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INSTITUTE OF ADVANCED  
LEGAL STUDIES

In the Privy Council

(12)

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ON APPEAL  
FROM THE COURT OF APPEAL FOR ONTARIO

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BETWEEN:

THE MCKINNON INDUSTRIES LIMITED (Defendant).....Appellant

— AND —

WILLIAM WALLACE WALKER (Plaintiff).....Respondent

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Record of Proceedings

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L. BINGHAM & CO.,  
1 Budge Row, E. C. 4.  
*Solicitors for the Appellant*

HANCOCK & SCOTT,  
222-225 Strand, W. C. 2,  
*Solicitors for the Respondent*

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LONDON,  
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222-225 Strand, W. C. 2,  
*Solicitors for the Respondent*

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197	Comparative statement of Plaintiff's greenhouse sales before and after strike period at Defendant's Plant .....		1905
198	Memo of gross sales greenhouse and store .....	1943, 1944 and 1948	1906
199	Financial statement re: Plaintiff's greenhouse .....	Nov., 1947	1907
200(a)	Photo showing water-wash system in operation in Defendant's cupola .....	9th May, 1949	1908
200(b)	Photo showing water-wash system in operation in Defendant's cupola .....	9th May, 1949	1909

*E X H I B I T S*

(Exhibit No. 1)

Plan showing location of Defendant's Plant and Plaintiff's property and surrounding area. (Not printed.)

This Exhibit is the same as Exhibit No. 11, with the exception that the names of owners of adjoining properties are marked on Exhibit No. 11.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 1  
(not printed)*



(Exhibit No. 2)

## W. W. WALKER — ST. CATHARINES

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 2  
Surveyor's  
Memo as to  
acreage of  
Plaintiff's  
Property  
1st April,  
1948*

	Building	Size	Area
	No. 1	50 x 28	1,400 sq. ft.
	" 2	77 x 16	1,232 " "
	" 3	77 x 20	1,540 " "
	" 4	77 x 20	1,540 " "
	" 5	24 x 20	480 " "
	" 6	14 x 10	140 " "
10	" 7	137.5 x 51	7,012 " "
		TOTAL	<u>13,344</u> " "

TOTAL AREA OF PROPERTY		45,160 sq. ft. approximately
Area for carnations,	90 x 100±	9,000 sq. ft.
Area east of No. 7,	50 x 130±	6,500 sq. ft.
Area east of No. 4	50 x 120±	6,000 sq. ft.
Area east of No. 7,	50 x 130±	6,500 sq. ft.
Area south of No. 1,	40 x 60±	2,400 sq. ft.

(Exhibit No. 3)

Old Plan of the City of St. Catharines, dated 1899. (Not printed.)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 3  
(not printed)*

(Exhibit No. 4)

Copy of Agreement of Sale, Graves to Walker, dated April 3rd, 1903. (Not printed.)

*In the  
Supreme  
Court  
of Ontario  
Plaintiff's  
Exhibit  
No. 4  
(not printed)*

(Exhibit No. 5)

W. W. WALKER & SONS, FLORISTS  
*Flowers for Every Occasion*

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 5  
Letter from  
Plaintiff  
to  
Defendant  
24th Nov.,  
1941

GERBERA and ORCHIDS  
A SPECIALTY  
"We Grow Them"

(CREST)

156 St. Paul Street  
Phone 763  
ST. CATHARINES, ONT.

NOVEMBER TWENTY-FOURTH,  
1 9 4 1

Mr. W. Wecker, Mgr.,  
10 MCKINNON INDUSTRIES, Ltd., City.

Dear Sir:

Referring our conversation ten days or more ago. With regards to smoke-oil smudge and refuse from your plant causing damage to our production at the greenhouses.

We thank you for the prompt attention in sending your Engineer Mr. Edwards over, but to date we have not heard either from him or yourself. He will recall the condition of some of the stock in our greenhouses. On inspection this week we find that we are again filled up with coke-breeze, and other dirt, and must ask that immediate attention be given to remedy this.

Thru this nuisance we have lost over 60% production in the upper house, add to this our outside loss this year and diminished production thru-out the greenhouses, this is running into many hundreds of dollars and is a serious threat. But we will take this loss up direct with you after the remedy has been found. In the meantime this loss keeps piling up. Your urgent attention is requested.

Very truly yours,

"W. W. WALKER"  
W. W. WALKER & SONS.

30 WWW.

1231

(Exhibit No. 6)

THE MCKINNON INDUSTRIES LIMITED  
SUBSIDIARY OF GENERAL MOTORS

St. Catharines, Ontario  
Canada

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 6  
Letter from  
Defendant  
to  
Plaintiff  
26th Nov.,  
1941*

November 26, 1941.

Mr. W. W. Walker,  
156 St. Paul Street,  
St. Catharines, Ontario.

10 Dear Mr. Walker:

We have for acknowledgment your letter with reference to your claim that your property is suffering damage as the result of operations at our plant.

Since you spoke to the writer concerning it, the matter has been having our best attention. You will appreciate that it is essential that we first determine whether or not the damage of which you complain is actually the result of our operations.

20 We will require probably an additional week or ten days within which to complete our preliminary investigation and you may be assured that, as soon as this has been done, we will be in communication with you.

THE MCKINNON INDUSTRIES LIMITED,  
W. A. WECKER.

WAW:VT

(Exhibit No. 7)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 7  
Letter from  
Plaintiff  
to  
Defendant  
6th Jan.,  
1942*

GREENHOUSES:  
CARLTON STREET

UPTOWN OFFICE:  
ST. PAUL ST.

Telephone: 763 - 1213  
W. W. WALKER & SONS  
IMPORTERS AND EXPORTERS

Orchids  
Plants and Cut Flowers  
At All Times

Member, F. T. D. A., Inc.  
and  
C. F. & G. A.

St. Catharines, Ontario  
Canada

10

McKinnon Industries, Limited,  
Ontario St., City,  
Mr. W. Wecker, Mgr.

JANUARY SIXTH, 1942

Dear Sirs:

20

Below I have itemized the losses we have sustained through the smoke oil smudge, and coke nuisance coming from your factory and about which we have already had correspondence, and conversations. In arriving at the loss have used wholesale cost of stock and have made no mention of the purchases that had to be made to replace the flowers damaged thru the nuisance mentioned above. I shall be glad to discuss with you any point on the estimate of this loss.

The loss is divided as follows:

30

Upper house, south end of our plant—1,460 Mums planted, estimated 2,900 bloom at 15c—\$435.00.	
60% loss in this greenhouse, amounting to.....	\$ 271.00
Outside cloth house—1,350 Mums planted, estimated 2,600 bloom at 15c ea.—\$390.00.	
50% loss in this cloth house, amounting to.....	195.00
Large house, north end of our plant—5,800 Mums planted; estimated bloom, 11,000 at 15c—\$1,650.00.	
25% loss in this house amounts to.....	412.50
Loss in bloom planted outside greenhouses spoiled.....	100.00
Loss in 3 other grhses and estimated cost cleaning plants	150.00
Estimated cost of cleaning houses with muriatic acid and replacing glass broken, twice during year.....	100.00
	<hr/>
	\$1,228.50

The losses outlined above amount to Twelve hundred and twenty-eight dollars and fifty cents. Undoubtedly this does not cover all, and we are not sure to what extent this has been remedied by yourselves as shortly we will have to open vents to air flowers. It is when this is done that a great deal of the damage occurs, with the coke breeze, etc., coming right down on the flowers.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 7  
Letter from  
Plaintiff  
to  
Defendant  
6th Jan.,  
1942  
Continued*

10 I shall be glad to hear from you as soon as convenient as to what the Company intends, respecting the losses outlined above.

Very truly yours,

"W. W. WALKER"  
W. W. WALKER & SONS.

DICT.WWW.

(Exhibit No. 8)

## R E L E A S E

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 8  
Release  
Plaintiff  
to  
Defendant  
2nd Jan.,  
1942*

WHEREAS William Wallace Walker of the City of St. Catharines, in the County of Lincoln, Florist, is the owner in fee simple of certain lands and premises situate, lying and being on the northerly side of Carlton Street, in the Township of Grantham, in the County of Lincoln;

10 AND WHEREAS the said lands and premises of the said Walker are adjacent to and in the neighbourhood of the manufacturing premises of The McKinnon Industries Limited, in the City of St. Catharines, and Township of Grantham, in the said County of Lincoln;

20 AND WHEREAS the said William Wallace Walker carries on at the said Township of Grantham and at the said City of St. Catharines, in the County aforesaid, the business of a florist under the firm name and style of W. W. Walker & Sons as evidenced by a certain declaration made pursuant to the provisions of the Partnership Registration Act, on or about the 18th day of April, 1933, and filed in the Registry Office for the Registry Division of the said County of Lincoln on the said 18th day of April, 1933, as Number GR1595;

AND WHEREAS upon the said premises of the said Walker, in his individual and business capacities, he maintains a dwelling, certain greenhouses and equipment for the cultivation of flowers and plants;

30 AND WHEREAS the said Walker alleges that his said premises, stocks of flowers and other growing crops have been damaged as the result of the operations carried on on the premises of the said The McKinnon Industries Limited and particularly by reason of the emission therefrom and the carriage over and deposit upon the premises and property of the said Walker of certain smoke, oil smudge, ash, gasses and other substances;

AND WHEREAS the said Walker claims that the said The McKinnon Industries Limited is liable for such damage so alleged to have been sustained by him;

AND WHEREAS the said The McKinnon Industries Limited has expressly denied its liability therefor;

AND WHEREAS the said Walker and the said The McKinnon Industries Limited, for the purposes of avoiding the expense

of litigation, have agreed to compromise the claim of the said Walker in respect of any and all injury or damage whatsoever resulting from any and all operations of the said The McKinnon Industries Limited up to and including the 1st day of January, 1942;

*In the  
Supreme  
Court of  
Ontario,  
Plaintiff's  
Exhibit  
No. 8  
Release  
Plaintiff  
to  
Defendant  
2nd Jan.,  
1942  
Continued*

10 NOW THEREFORE WITNESSETH that for and in consideration of the sum of Twelve Hundred and Twenty-five Dollars of lawful money of Canada to the said William Wallace Walker, paid by the said The McKinnon Industries Limited, the receipt  
20 whereof by him is hereby acknowledged, he the said William Wallace Walker, for himself, his heirs, executors, administrators, successors and assigns, hereby fully forever releases, acquits and discharges the said The McKinnon Industries Limited, its successors and assigns, of and from any and all actions, causes of action, claims and demands whatsoever which against the said The McKinnon Industries Limited the said William Wallace Walker ever had, now has or which his heirs, executors, administrators or assigns, or any of them hereafter can, shall or may have for or by reason of any cause, matter or thing whatsoever existing  
up to the present time; and without limiting the generality of the foregoing, particularly by reason of the emission from and discharge over, along and upon any of the premises and/or property of the said William Wallace Walker of any smoke, oil smudge, ash, gasses and other substances whatsoever and/or by reason of any nuisance or alleged nuisance to the said William Wallace Walker his lands, premises, chattels and effects occasioned or claimed to have been occasioned by the operations of the said The McKinnon Industries Limited.

30 It is expressly understood and agreed by the said William Wallace Walker that the acceptance of the hereinbefore mentioned sum is in full accord and satisfaction of a disputed claim and that the payment of the said amount by the said The McKinnon Industries Limited is not and shall not be construed as an admission of its liability to the said William Wallace Walker or as an admission that any of its operations constitute a nuisance to him or neighbouring occupiers or property owners.

40 It is further expressly understood and agreed that this release and settlement is intended to cover and does cover not only now known injuries, losses and damages, but any future injuries, losses and damages not known or anticipated but which may later be developed or be discovered as the result of any and all matters existing up to and including the 1st day of January, 1942.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 8  
Release  
Plaintiff  
to  
Defendant  
2nd Jan.,  
1942  
Continued*

It is further expressly understood and agreed that this release and settlement shall extend to and be binding upon the said William Wallace Walker in his individual capacity and in his capacity as the sole proprietor of the business carried on by him under the firm name and style of W. W. Walker & Sons.

IN WITNESS WHEREOF the said William Wallace Walker has hereunto set his hand and seal as of the 2nd day of January, A.D. 1942.

Witness:

10

"T. M. McCARRON"

"WILLIAM WALLACE WALKER"  
William Wallace Walker  
(seal)

(Exhibit No. 9)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 9  
Agreement  
Plaintiff  
and  
Defendant  
12th Jan.,  
1912*

THIS AGREEMENT made in triplicate as of the 1st day of January, one thousand nine hundred and forty-two.

BETWEEN:

WILLIAM WALLACE WALKER, residing and carrying on business at the City of St. Catharines, in the County of Lincoln, under the firm name and style of "W .W. Walker & Sons", hereinafter called "Walker",

*of the First Part,*

10

— and —

THE MCKINNON INDUSTRIES LIMITED, a Corporation having its head office at the City of St. Catharines, hereinafter called "McKinnon",

*of the Second Part.*

WHEREAS the said Walker is the owner and occupier of all and singular certain parcels or tracts of land and premises situate, lying and being in the Township of Grantham in the County of Lincoln, aforesaid, hereinafter more particularly described;

20

AND WHEREAS the said lands and premises lie adjacent to and in the neighbourhood of the lands and premises of McKinnon in the City of St. Catharines in the County of Lincoln, and in the Township of Grantham in the County of Lincoln aforesaid and upon which last mentioned lands and premises the said McKinnon carries on certain manufacturing operations;

AND WHEREAS upon the said lands of the said Walker he maintains a dwelling, greenhouses and certain equipment for the cultivation of flowers for commercial purposes;

30

AND WHEREAS in the course of its said operations the said McKinnon may require to emit from its said premises and to discharge over, along and upon the hereinafter described premises of the said Walker and the buildings and other erections thereon, certain smoke and constituent parts and ingredients thereof, oil smudge, ash gasses, vapours and other substances and to do and perform other acts which might be claimed to injuriously affect the use and enjoyment by the said Walker of the said lands hereinafter described:

40

AND WHEREAS for the purpose of defining the rights of the said McKinnon in respect of its use and occupation of its own lands and premises and the operation thereon of its manufacturing business as the same may affect the said lands of Walker, it has been agreed by and between the parties hereto to enter into these presents:

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 9  
Agreement  
Plaintiff  
and  
Defendant  
12th Jan.,  
1912  
Continued

NOW THEREFORE WITNESSETH that in consideration of the premises and the sum of One Dollar (\$1.00) now paid by McKinnon to Walker, the receipt whereof is hereby by him acknowledged, the parties hereto hereby covenant and agree to and with each other as follows:

1. Walker doth hereby grant, convey, release, assign and confirm unto McKinnon, its successors and assigns, the right, at all future times, to emit and discharge over, along and upon the lands hereinafter described, smoke of whatsoever nature and kind and the constituent parts and ingredients thereof, oil smudge, gasses, ash, vapors and noxious fumes, without any let or hindrance whatsoever and to do and create over, along and upon the said lands and premises for the purposes of the manufacturing operations of the said McKinnon, such other acts which, but for the existence of this agreement, might be deemed to constitute a nuisance thereon in respect of the occupation and use thereof.

The lands to be affected by this easement are ALL and SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Township of Grantham, in the County of Lincoln and Province of Ontario, and being composed of part of Lot No. 21 in the 4th Concession of the said Township of Grantham, and known as part of Lot No. 7 and the whole of Lot No. 8 and part of Lot No. 9 on a Map or Plan of that portion of the said Lot filed by Edwin C. Graves in the Registry Office for the County of Lincoln on the 4th day of August, 1902, as No. 78, and which may be more particularly described as follows:

FIRSTLY: *Being a part of Lot No. 7 on said Plan.* COMMENCING at a point on Carlton Street distant 12 feet from where the Easterly boundary of Lot 6 meets Carlton Street; THENCE Northerly parallel with the Easterly boundary of said Lot 6 to the rear of Lot 7; THENCE Easterly along the rear of Lot 7 to the Westerly boundary of Lot 8; THENCE along the Westerly boundary of Lot 8 to Carlton Street; THENCE Westerly along the Northerly boundary of Carlton Street, 70 feet more or less, to the place of beginning.

*Lot 8 and Part of Lot 9.* COMMENCING at a point on the Northerly side of Carlton Street where the boundary line between Lots 8 and 9 meets Carlton Street; THENCE Easterly along Carlton Street 2 feet; THENCE Northerly parallel with the easterly boundary of Lot 8 to the rear of Lot 9; THENCE Westerly along the rear of said Lot 9 to the Easterly boundary of Lot 8; thence along the Easterly boundary of Lot 8 to Carlton Street to the place of beginning.

SECONDLY: *Being part of Lot 21 in Concession 4.*  
 COMMENCING at a point in the rear of Lot 7, distant 12 feet from the Easterly boundary of Lot 6; THENCE Northerly 115 feet to a point; THENCE in an Easterly direction 108 feet to a point; THENCE Southerly 115 feet to a point; THENCE Westerly 108 feet to the place of beginning.

*In the  
 Supreme  
 Court of  
 Ontario  
 Plaintiff's  
 Exhibit  
 No. 9  
 Agreement  
 Plaintiff  
 and  
 Defendant  
 12th Jan.,  
 1942  
 Continued*

THIRDLY: Being composed of Lots Nos. 20, 21 and 22 as shown on registered Plan No. 95 of Ontario Gardens, being a subdivision of part of Lot 21 in the 4th Concession of the Township of Grantham, and of a re-subdivision of Lots Nos. 15 and 16 of the Graves Plot, said Lots fronting on the Easterly side of Manchester Avenue.

2. The said Easement hereby granted shall be and continue in full force and effect from the 1st day of January, 1942, until the 31st day of December, 1944.

3. During the said term of this Easement, McKinnon shall pay to Walker at St. Catharines, Ontario, the sum of Six Hundred Dollars (\$600.00) per annum in lawful money of Canada as consideration for the grant by him to it of the said Easement and in lieu of any and all damages, loss or injury resulting to or suffered by the said Walker by reason of the exercise by McKinnon of the rights hereby granted to it. Payment of the said sum shall be made to Walker in quarterly instalments of One Hundred and Fifty Dollars (\$150.00) each on the 1st days of January, April, July and October in each of the years 1942, 1943 and 1944. The said Walker hereby acknowledges receipt from McKinnon of the payment of the instalments due and payable hereunder on the 1st days of January and April, 1942.

4. In consideration of the said annual payments to him by McKinnon, in accordance with the provisions of this agreement, the said Walker covenants and agrees to and with McKinnon that he will release and discharge the said McKinnon and will indemnify and save harmless of and from any and all actions, claims or demands of every nature and kind whatsoever which may result from or be caused by the exercise by McKinnon of the rights hereby granted.

5. It is expressly understood and agreed by and between the parties hereto that the acceptance of the grant of easement herein and the payment of the aforesaid annual sum by McKinnon shall not be deemed to be or construed as an admission by McKinnon that any of the operations performed or acts done by it upon its own premises and affecting the lands and premises of Walker, or any other lands and premises, constitutes a nuisance in relation to the use and occupation of or cause injury or damage to such lands and premises.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 9  
Agreement  
Plaintiff  
and  
Defendant  
12th Jan.,  
1942  
Continued*

6. The grant by Walker of the rights of easement as herein contained shall be deemed to include the right of exercise by McKinnon of all powers, licenses, permissions and privileges in any way related or appurtenant to the said grant.

7. In case any instalment of the annual sum hereby reserved and payable by McKinnon to Walker shall remain unpaid for a period of ninety (90) days after the date appointed for payment thereof, the said Walker may by notice in writing sent by prepaid registered post addressed to McKinnon at St. Catharines, Ontario, terminate the easement hereby granted and provided that McKinnon shall not have cured its default in the making of the said payment within fifteen days after receipt by it of the said notice.

8. The said Walker hereby covenants with McKinnon that it shall peaceably hold and enjoy the rights and licenses hereby granted during the continuance of the said easement without any interruption on the part of the said Walker or any person claiming by, through or under him; and further that the said Walker will execute and deliver to the said McKinnon such further assurances as may be requisite to make fully effectual the rights and licenses hereby granted.

9. This agreement and everything herein contained shall enure to the benefit and be binding upon the parties hereto, their respective heirs, executors, administrators, successors and assigns.

IN WITNESS WHEREOF the said Walker has hereunto set his hand and seal and the said McKinnon has hereunto caused to be affixed its corporate seal duly attested by the hands of its proper officers in that behalf.

30 "WILLIAM WALLACE WALKER"  
William Wallace Walker.  
"T. M. McCARRON" (Seal)

By THE McKINNON INDUSTRIES LIMITED,  
"WM. A. WECKER"  
President (Seal)

By "D. F. THOM" C/S  
Ass't.-Secretary

CANADA  
Province of Ontario  
County of Lincoln

I, TERENCE MYLES McCARRON,  
of the City of St. Catharines,  
in the County of Lincoln, Solicitor,

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 9  
Agreement  
Plaintiff  
and  
Defendant  
12th Jan.,  
1942  
Continued*

TO WIT: } MAKE OATH AND SAY:

1. THAT I was personally present and did see the within Instrument and a duplicate duly signed, sealed and executed by WILLIAM WALLACE WALKER, one of the Parties thereto;

10 2. THAT the said Instrument and duplicate were executed by the said party at the City of St. Catharines, in the County of Lincoln.

3. THAT I know the said party.

4. THAT I am a subscribing witness to the said Instrument and duplicate.

SWORN before me at the City of St. Catharines, in the County of Lincoln, this 26th day of May, A.D. 1942.

"T. M. McCARRON"

20 "JAMES G. SCHILLER",  
A Commissioner, etc.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 10  
Letter from  
Plaintiff's  
Solicitor  
to  
Defendant  
7th Sept.,  
1945*

(Exhibit No. 10)

Collier & Schiller,  
Barristers, Solicitors, etc.

27 Queen Street,  
St. Catharines,  
Canada.

James G. Schiller, K.C.  
Harley D. Hallett.

September 7th, 1945.

The McKinnon Industries Limited,  
ST. CATHARINES, Ont.

10 Attention *T. J. Cook, Esq.*

*Re Walker*

Dear Sir:

As we told Mr. Cook over the telephone the day before yesterday, we intend to issue a Writ for damages and injunction. We could not effectively claim an injunction during the war period, but now that the war is over there is no reason why we could not get an injunction.

20 We regret the fact very much, and this letter is written for that purpose, that although we have co-operated to every extent with you, you did not co-operate in the last week when it was arranged that your Mr. Cook and your counsel would meet either at our office or at your office to inspect some photographs we have showing the damage done, in fact we had no word from your office whatever.

Therefore there is nothing else to do but to proceed by way of lawsuit and we will have to abide by the Judge's report.

Yours truly,

COLLIER & SCHILLER,  
Per: "J. G. SCHILLER"

30 JGS/B  
cc: Bench, Keogh, Rogers & Grass



GEO. ROBERTSON FARM

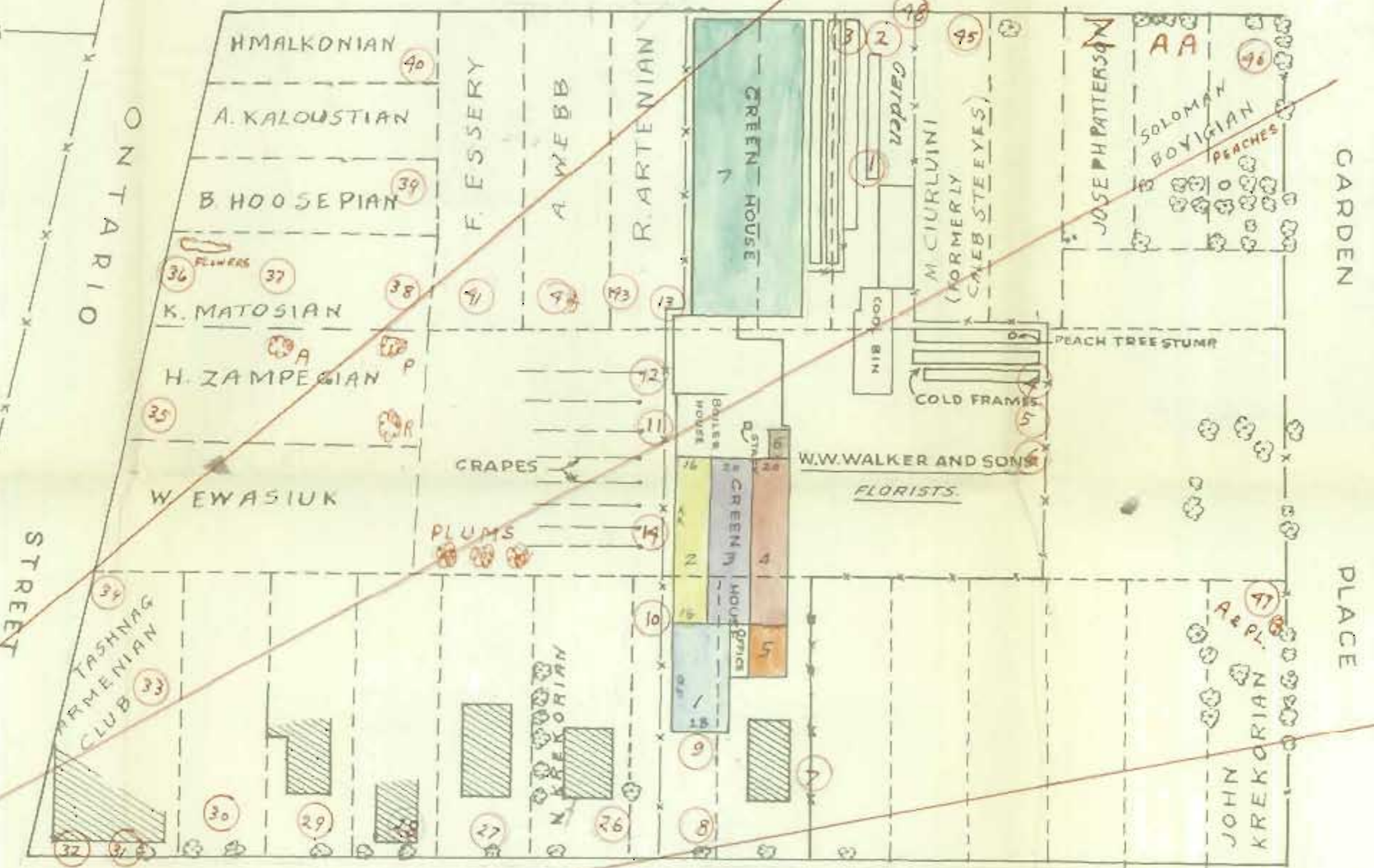
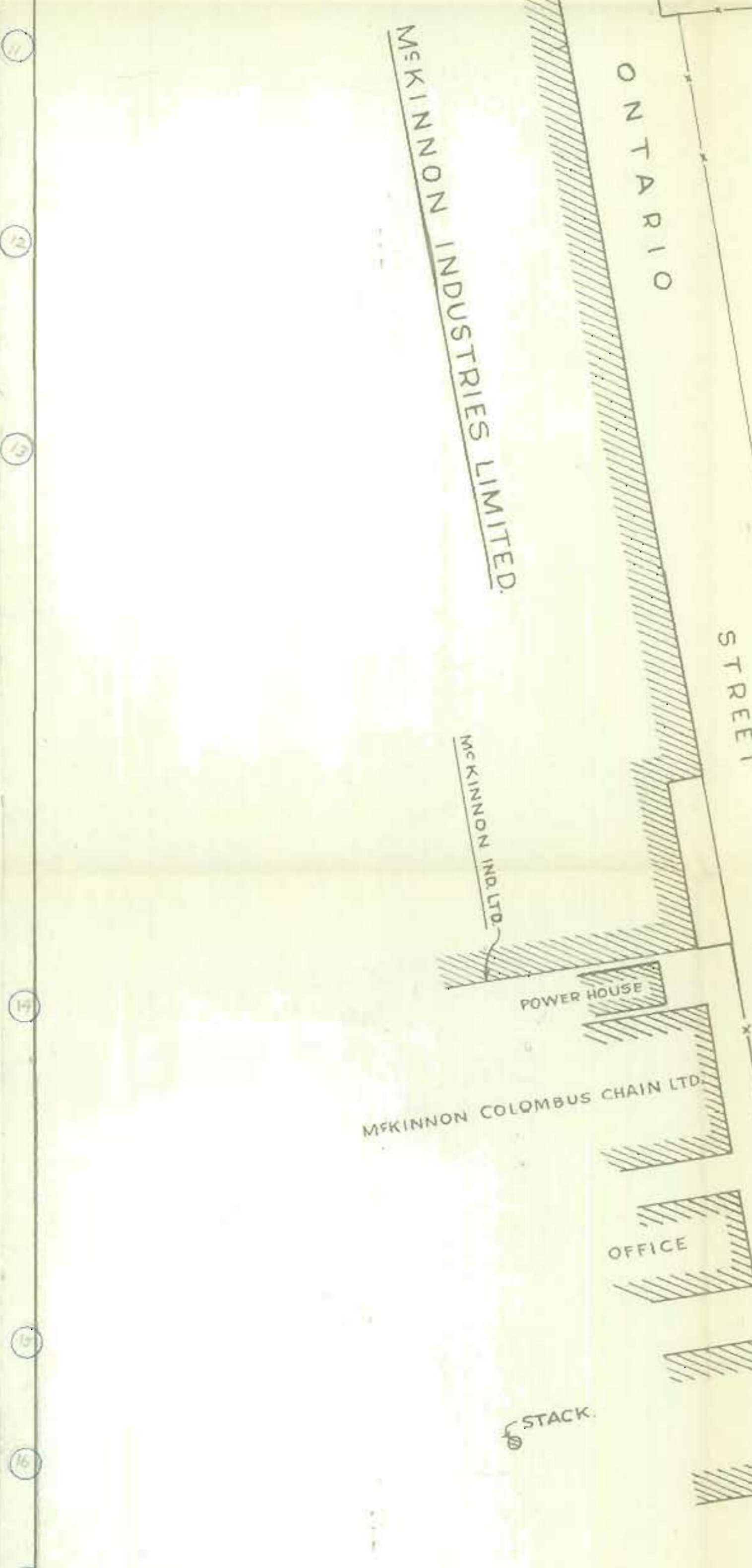
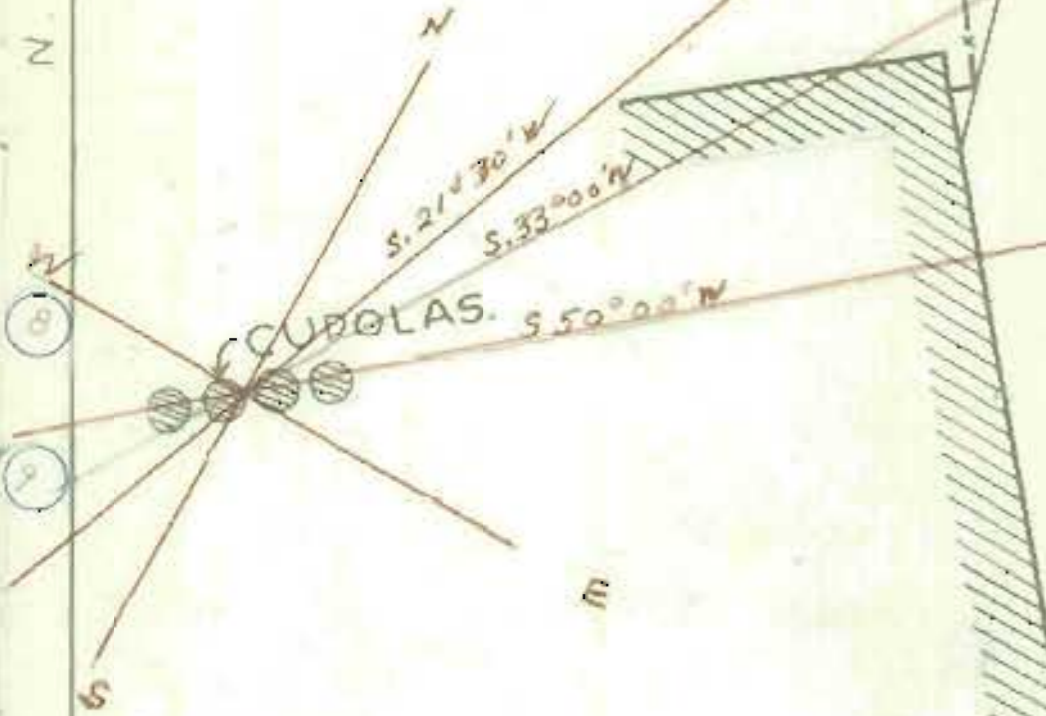
LINCOLN COUNTY INDUSTRIAL HOME (FRUIT FARM)  
 GEO. ROBERTSON (FRUIT FARM)  
 O. TOROSIAN (FRONT FRUIT FARM) APRICOTS, PLUMS, CHERRIES O. TOROSIAN (REAR FRUIT FARM)  
 A. MAUKERPERIAN (FRUIT FARM)  
 P. KALAGIAN (FRUIT FARM)  
 S. MALKONIAN (FRUIT FARM)  
 S. MANASIAN (FRUIT FARM)  
 D. FOULOUSKI  
 R. KLOIAN  
 P. DESCHERES  
 FITZGERALD GARAGE  
 (SOUTHERN LIMITS OF MINASIAN FARM)

STAFF HOUSES (NOW GRANTHAM APTS.)

HYDRO ELECTRIC POWER COMMISSION

MANCHESTER AVENUE

N. S. AND T. RAILWAY

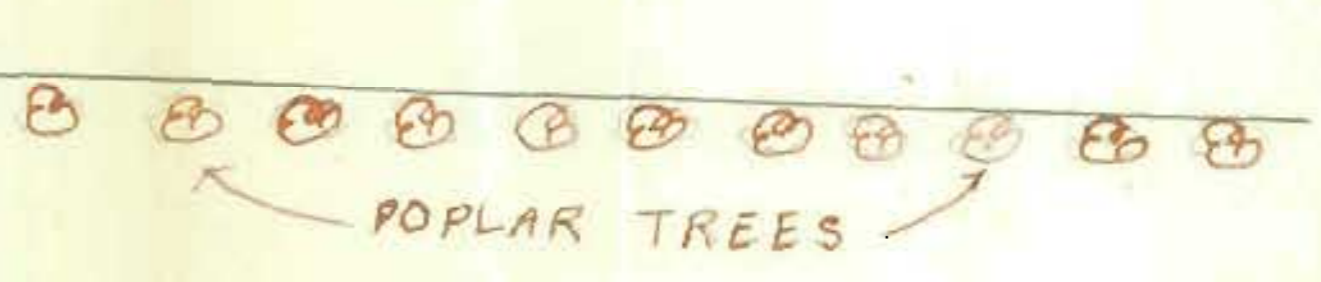


Colour Chart

1. Blue
2. Yellow
3. Purple
4. Carmine red
5. Orange
6. Brown
7. Green

- EXPLANATION
- FRUIT TREES IN RED
  - A. APRICOT
  - P. PEACH
  - PL. PLUMS
  - FIRST SOIL TESTS (RED CIRCLED) AND NUMBERED
  - SECOND SOIL TESTS (BLUE CIRCLED) AND NUMBERED
  - POPLAR TREES (PLEASANT AVE.)

**PLAN**  
 SHOWING LOCATION  
 of  
**WALKERS' GREENHOUSES**  
 and  
**THE MCKINNON INDUSTRIES LTD**  
 St. Catharines, Ont.  
 Scale 1"=50'



Douglas G. Ure  
 Engineer & Surveyor  
 St. Catharines, Ont.  
 April 2, 1948.

ST. JOHNSTON



1243

(Exhibit No. 11)

not bound. Inserted on page —.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 11*

(Exhibit No. 12)

## WALKER v. MCKINNON INDUSTRIES LIMITED

Measurements of greenhouses, building, etc., on the property and  
cost of same at time of erection

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 12*

<i>Greenhouse</i>	<i>Size</i>	<i>Cost</i>
No. 1	50' x 28' 1,400 sq. ft. at \$2.50.....	\$ 3,500.00
No. 2	16' x 78' 1,248 sq. ft. at \$2.50.....	3,120.00
10 No. 3	22' x 78' 1,716 sq. ft. at \$2.50.....	4,290.00
No. 4 and No. 5	105' x 18' 1,890 sq. ft. at \$2.50.....	4,725.00
No. 6—little propogating house	10' x 13' 130 sq. ft. at \$2.50.....	325.00
No. 7	137' x 52' 7,124 sq. ft. at \$3.25.....	23,150.00
Office and shed	10' x 24' 240 sq. ft.....	250.00
20 Boiler house, potting shed, holding shed, garage, coal, storage, heating and brick chimney and sewers.....		4,500.00
		<hr/> \$43,860.00
Dwelling house .....		3,500.00
		<hr/> \$47,360.00
Land, including soft water tank for orchids, sewages, approx. a little over an acre .....		10,000.00
Location of very special value to plaintiff to the extent of another .....		5,000.00
		<hr/> \$62,360.00
		<hr/>

30 All the greenhouses are of cyprus construction.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 13  
Photo of  
Sign above  
Defendant's  
Property  
14th March,  
1949*



EXHIBIT No. 13  
Photo of sign above Defendant's property.

(Seal)

(COAT OF ARMS)  
PROVINCE OF ONTARIO

By the Honourable  
LINCOLN GOLDIE,  
Provincial Secretary

To all to whom these presents shall come

**G R E E T I N G**

10 WHEREAS The Ontario Companies Act enacts that the Lieutenant-Governor may from time to time direct the issue of Supplementary Letters Patent to a Corporation embracing any or all of the matters in the said Act set forth;

AND WHEREAS by the said Act it is further provided that the Provincial Secretary may under the Seal of his Office have, use, exercise, and enjoy any power, right, or authority conferred by the said Act on the Lieutenant-Governor;

20 AND WHEREAS by its Petition in that behalf The McKinnon Industries, Limited, has prayed for Supplementary Letters Patent for the purpose of amending the preference share clause contained in the Letters Patent of Incorporation of the Company dated the seventh day of July, A.D. 1925;

AND WHEREAS it has been made to appear that the said Company has complied with the conditions precedent to the grant of the desired Supplementary Letters Patent;

NOW THEREFORE KNOW YE that I,

LINCOLN GOLDIE,  
Provincial Secretary,

30 under the authority of the hereinbefore in part recited Statute do by these Supplementary Letters Patent to

THE MCKINNON INDUSTRIES,  
LIMITED

Amend the preference share clauses, contained in the Letters Patent of Incorporation of the Company dated the Seventh day of July, A.D. 1925, by striking out and deleting clauses (1), (2) and (4) which read as follows:

40 (1) Holders of preference shares shall be entitled to receive and the Company shall be obligated to pay out of surplus profits (being moneys properly applicable to the payment of dividends) cumulative, preferential dividends at the rate of seven per centum per annum and no more, payable quarterly on the first days of January, April, July and October in each year in preference to and before any dividends shall be set apart for or paid upon the common shares; the first of such dividends, which shall be a full quarterly dividend of one and three-quarters per centum, shall be payable on the first day of October, A.D. 1925; all such dividends shall be payable by warrant or cheque in favour of the

*In the  
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Patent of the  
McKinnon  
Industries,  
Limited  
10th Nov.,  
1925*

*In the  
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copy of Sup-  
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Letters  
Patent of the  
McKinnon  
Industries,  
Limited  
10th Nov.,  
1925  
Continued*

registered shareholders and shall be made payable at par at any branch of the Bank of Toronto in Canada at the option of the holder; holders of preference shares who are bona fide residents of, or if corporations whose principal office is situate in, the United States of America and whose registered address in the books of the Company is at some place in the United States of America, shall be entitled to have dividends declared on such preference shares and payments in respect of any redemption of such shares paid in New York funds at the option of such holder;

(2) In the event of voluntary liquidation, dissolution, winding up or reorganization, by way of amalgamation or otherwise, of the Company or other distribution of its assets, other than by way of dividends out of its surplus profits, the holders of preference shares shall be entitled to receive \$110.00 per share and all accrued and unpaid dividends up to the time of such voluntary liquidation, dissolution, winding-up, reorganization or distribution of assets respectively; and in the event of involuntary liquidation, dissolution, winding up or reorganization of the Company or other involuntary distribution of its assets, the holders of preference shares shall be entitled to receive payment of par amount of their shares, together with all accrued and unpaid dividends, before any payment shall be made to the holders of common shares;

(4) No dividend shall be declared nor shall any dividend be payable upon or in respect of the common or ordinary shares or on any other class of shares of the Company at any time when there is any dividend, accrued and unpaid in respect of preference shares nor unless and until the following conditions shall have been fulfilled and complied with, namely: (a) The Company has a surplus of undivided profits over and above any dividend so proposed to be paid, sufficient to provide for the dividend on the preference shares for a full period of one year; (b) The payment of the proposed dividend upon the common or ordinary or other shares shall not, after providing for the surplus in sub-paragraph (a) hereof reduce the total amount of the then current assets below two hundred and fifty per centum (250%) of the then current liabilities, nor the net current assets below the sum of Seven Hundred and Fifty Thousand Dollars (\$750,000.00); "net current assets" shall mean the surplus of current assets over current liabilities; current assets shall be good accounts receivable, bills and notes receivable and similar or other instruments payable within one year received from and in connection with the sale of the products of the business of the Company, cash in hand and in banks, bonds or other securities which are lawful investment for trust funds in the Dominion of Canada taken at their cost or at the market value which ever is lower, raw material,

manufactured or partly manufactured products, and all material and supplies necessary for the operation of the plant and the manufacture of the Company's products; "current liabilities" shall be all liabilities of the Company except liability on capital stocks, contingent and other reserves or surplus and mortgage and funded indebtedness;

And substituting therefor the following:

10 (1) Holders of preference shares shall be entitled to receive and the Company shall be obligated to pay out of surplus profits (being moneys properly applicable to the payment of dividends) cumulative, preferential dividends at the rate of seven per centum per annum and no more, payable quarterly on the first days of January, April, July and October in each year, in preference to and before any dividends shall be set apart for or paid upon the common shares; the first of such dividends, which shall be a full quarterly dividend of one and three-quarters per centum, shall be payable on the first day of January, A.D. 1926; all such dividends shall be payable by warrant or cheque in favour of the registered shareholders and shall be made payable at par at any  
20 branch of the Bank of Toronto in Canada at the option of the holder; holders of preference shares who are bona fide residents of, or if corporations whose principal office is situate in, the United States of America and whose registered address in the books of the Company is at some place in the United States of America, shall be entitled to have dividends declared on such preference shares and payments in respect of any redemption of such shares paid in New York funds at the option of such holder;

30 (2) In the event of voluntary liquidation, dissolution, winding up or reorganization by way of amalgamation or otherwise of the Company, or other distribution of its assets, other than by way of dividends out of its surplus profits, the holders of preference shares shall be entitled to receive \$110.00 per share and all accrued and unpaid dividends up to the time of such voluntary liquidation, dissolution, winding up, reorganization or distribution of assets respectively; and in the event of involuntary liquidation, dissolution, winding up or reorganization of the Company or other involuntary distribution of its assets, the holders of preference shares shall be entitled to receive payment of par amount of their shares, together with all accrued and  
40 unpaid dividends before any payment shall be made to the holders of common shares, but shall not be entitled to participate further in the assets of the Company;

(4) No dividend shall be declared nor shall any dividend be payable upon or in respect of the common or ordinary shares or on any other class of shares of the Company at any time when there is any dividend accrued and unpaid in respect of preference

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10th Nov.,  
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shares nor unless and until the following conditions shall have been fulfilled and complied with, namely: (a) The Company has a surplus of undivided profits over and above any dividend so proposed to be paid, sufficient to provide for the dividend on the preference shares for a full period of one year; (b) The payment of the proposed dividend upon the common or ordinary or other shares shall not, after providing for the surplus in sub-paragraph (a) hereof, reduce the total amount of the then current assets below two hundred per centum (200%) of the then current liabilities, nor the net current assets below the sum of seven hundred and fifty thousand dollars (\$750,000); in this clause "net current assets" means the excess of current assets over current liabilities of the Company and of subsidiary companies of which the Company holds the entire outstanding capital stock (after eliminating inter-corporate liabilities); "current assets" in the case of the Company and of such last-mentioned subsidiary Companies means (after eliminating inter-corporate liabilities) good current accounts receivable, bills and notes receivable and similar or other instruments payable within one year received from or in connection with the sale of the products of the business of the Company and of any such last-mentioned subsidiary Companies, cash on hand and in bank, bonds and other securities which are lawful investment for trust funds in the Dominion of Canada taken at their cost or market value, whichever is less, raw material, manufactured or partly manufactured products and all material and supplies necessary for the operation of the plant and the manufacture of the products of the Company and of any such last-mentioned subsidiary companies; "current liabilities" in the case of the Company and of all such last-mentioned subsidiary companies means (after eliminating inter-corporate liabilities) all the liabilities of the Company and of such last-mentioned subsidiary companies, except liability on capital stocks, contingent and other reserves or surplus and mortgage and funded indebtedness.

GIVEN under my hand and Seal of Office at the City of Toronto, in the said Province of Ontario, this tenth day of November, in the year of Our Lord one thousand nine hundred and twenty-five.

L. GOLDIE,  
*Provincial Secretary.*

(Exhibit No. 15)  
(COAT OF ARMS)  
PROVINCE OF ONTARIO

By the Honourable

GEORGE HARRISON DUNBAR  
*Provincial Secretary.*

To all to whom these Presents shall Come,  
*G R E E T I N G*

*In the  
Supreme  
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Exhibit  
No. 15  
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Letters  
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McKinnon  
Industries,  
Limited  
14th Sept.,  
1945*

10 WHEREAS The Companies Act enacts that the Lieutenant-Governor may from time to time direct the issue of Supplementary Letters Patent to a Corporation embracing any or all of the matters in the said Act set forth;

AND WHEREAS by the said Act it is further provided that the Provincial Secretary may under the Seal of his office have, use, exercise, and enjoy any power, right, or authority conferred by the said Act on the Lieutenant-Governor;

AND WHEREAS by its Petition in that behalf the Corporation herein named has prayed for Supplementary Letters Patent for the purpose hereinafter set out;

20 AND WHEREAS it has been made to appear that the said Company has complied with the conditions precedent to the grant of the desired Supplementary Letters Patent;

NOW THEREFORE KNOW YE THAT I,  
GEORGE HARRISON DUNBAR,  
*Provincial Secretary,*

under the authority of the hereinbefore in part recited Statute, Do by these Supplementary Letters Patent to

THE MCKINNON INDUSTRIES,  
LIMITED

30 INCREASE the capital of the Company by the creation of Sixteen Thousand preference shares of the par value of One Hundred Dollars each, such preference shares to be issued subject to the privileges, preferences and conditions following, that is to say:

(1) The said preference shares shall entitle the holders thereof to a fixed non-cumulative dividend at the rate of three per centum (3%) per annum and no more on the amount paid up thereon, such dividend to be paid out of surplus profits of the Company properly applicable to the payment of dividends in preference to and before any dividends shall be set apart for or  
40 paid upon the common shares;

(2) All such dividends on the said preference shares shall be payable by cheque of the Company in favour of the registered shareholders, which cheque or cheques shall be drawn upon the Company's bankers in Canada and be payable in Canadian funds;



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(3) The holders of such preference shares shall have the right to vote at all meetings of shareholders of the Company, every holder of preference shares being entitled to one vote for each One Hundred Dollars (\$100.00) of capital paid up thereon; provided, however, that the holders of the common shares of the Company shall continue to have the right of voting at all meetings of shareholders of the Company, every holder of common shares being entitled to one vote for each common share held;

(4) The Company may from time to time pass a by-law authorizing an application to the Lieutenant-Governor of Ontario for Supplementary Letters Patent to change, alter or modify the terms and conditions attaching to the said preference shares or to create other preference shares ranking in priority to or pari passu with the preference shares hereby created, but no such application for Supplementary Letters Patent for such purpose shall be made without the consent, in addition to any consent required by the provisions of The Companies Act, of the holders of at least sixty-six and two-thirds per centum ( $66 \frac{2}{3}\%$ ) in value of the outstanding preference shares; and

20 (5) The said preference shares, or any part thereof, shall be redeemable at the option of the Company at any time by paying to the holder or holders thereof in Canadian funds the amount paid up thereon or, if fully paid up, the amount of the par value thereof, together with any dividends declared and unpaid in respect thereof; provided, however, that if, at any time, less than the total number of outstanding preference shares is to be redeemed, such redemption shall be pro rata amongst the holders of such shares unless all shareholders otherwise agree; and any  
30 and all such preference shares so redeemed shall thereupon be cancelled.

GIVEN under my hand and Seal of Office at the City of Toronto, in the said Province of Ontario, this fourteenth day of September, in the year of Our Lord one thousand nine hundred and forty-five.

(Seal of the Secretary for  
the Province of Ontario)

G. H. DUNBAR,  
*Provincial Secretary.*

(Exhibit No. 16)

(Seal)

(COAT OF ARMS)

PROVINCE OF ONTARIO

By the Honourable

WILLIAM HERBERT PRICE

*Acting Provincial Secretary.*

To all to whom these Presents shall come—

*G R E E T I N G :*

10 WHEREAS The Ontario Companies Act provides that, with the exceptions therein mentioned, the Lieutenant-Governor may by Letters Patent create and constitute bodies corporate and politic for any of the purposes to which the authority of the Legislature of Ontario extends;

AND WHEREAS by the said Act it is further provided that the Provincial Secretary may, under the Seal of his Office have, use, exercise and enjoy any power, right, or authority conferred by the Act on the Lieutenant-Governor;

20 AND WHEREAS by their Petition in that behalf the persons herein mentioned have prayed for Letters Patent constituting them a body corporate and politic for the due carrying out of the undertaking hereinafter set forth;

AND WHEREAS it has been made to appear that the said persons have complied with the conditions precedent to the grant of the desired Letters Patent and that the said undertaking is within the scope of the said Act;

NOW THEREFORE KNOW YE THAT I,

WILLIAM HERBERT PRICE,

*Acting Provincial Secretary,*

30 under the authority of the hereinbefore in part recited Act, Do by these Letters Patent hereby constitute the persons hereinafter named, that is to say:

MERVIL MacDONALD, FRASER GRANT and CLYDE AULD, Barristers-at-law; DOUGLAS IRVING GRANT and WILLIAM BEDFORD SCÉLLEN, Students-at-law; and MAUD WILLSON and ISABEL CLEMENT, Stenographers, all of the City of Toronto, in the County of York and Province of Ontario; and any others who have become subscribers to the Memorandum of Agreement of the Company, and persons who hereafter become Shareholders therein, a Corporation under the name of:

40 THE MCKINNON INDUSTRIES, LIMITED

for the following purposes and objects, that is to say:

(a) To manufacture, buy, sell, import, export, deal in, manipulate and work iron, steel, brass, metals and metal alloys of every kind and nature, leather, leather goods, fittings and finishings, wood and any mineral, animal or vegetable products

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Industries,  
Limited  
7th July,  
1925*

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or substances, dashes, dashboards, aprons, bonnets and fenders, carriages, wagons, trucks, cars, bicycles, automobiles, aircraft, agricultural implements and vehicles of every kind, nature and description, including any and all parts thereof and accessories therefor, fibrous substances of every description, rubber and gutta percha goods, hardware, cutlery, tools and every mechanical appliance or contrivance whatsoever, and malleable iron and other metal castings, forgings and metal stampings of all kinds;

10 (b) To manufacture, buy, sell, design, deal in and trade in all tools, appliances and apparatus used or capable of being used in any business which the Company is authorized to carry on or engage in, including the acquisition by purchase, manufacture or otherwise, of all materials, supplies, machinery and other articles necessary or convenient for use in connection with and in carrying on any or all of the said business;

(c) For the purposes aforesaid, to carry on the business of mechanical, electrical and civil engineers, chemists, metallurgists, founders, machinists, millwrights, iron and steel converters, smiths and woodworkers;

20 (d) To import, manufacture, distil, methylate, buy, sell and deal in chemicals, explosives and other products, whether simple or compounded with other substances;

(e) To purchase, take on lease or otherwise acquire, either with or without the surface, any coal, iron or other mineral lands, mining ground or minerals and any mining rights, grants, concessions and easements and any lands and hereditaments or other property necessary for the advantageous possession and use of the mines or works of the Company or any interest therein respectively; and to search for, get, win, quarry, burn, make  
30 merchantable, purchase, sell, dispose of or otherwise deal with coal, ores, metals, minerals and any substances of the earth;

(f) To import, purchase, acquire, sell, smelt, concentrate, quarry, reduce, distil, methylate, treat, extract, refine or produce in any manner whatsoever by any process whatsoever and deal in any vegetable, mineral, animal, wood, metallic, iron, chemical, medicinal, liquid, gaseous, or other substance or product;

40 (g) For the purposes of the Company only: to construct, acquire, maintain, operate, use and manage works, machinery and appliances for the production of electricity, electric, pneumatic, hydraulic or other power or energy or to lease or otherwise acquire such power; to accumulate, generate, transmit and distribute electricity and electric, pneumatic, hydraulic and other power and energy for light, heat, power or any purpose for which electricity or electric or other power or energy can be used; and to utilize water and steam or other power for the purpose of compressing ore or generating electricity;

(h) To apply for, secure, acquire by assignment, transfer, purchase or otherwise and to exercise, carry out and enjoy any charter, license power, authority franchise, concession, rights or privilege which any government or authority or any corporation or other public body may be empowered to grant and to pay for, aid in and contribute towards carrying the same into effect and to appropriate any of the Company's shares, bonds and assets to defray the necessary costs, charges and expenses thereof;

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10 (i) To remunerate any person or company for services rendered or to be rendered in placing or assisting to place or guaranteeing the placing of any of the shares of the Company's capital or any debentures, debenture stock or other securities of the Company or in or about the formation or promotion of the Company or the conduct of its business; provided, however, that no commission paid to any person in consideration of his subscribing or agreeing to subscribe, whether absolutely or conditionally, for any shares, debentures, debenture stock or other securities of the Company or procuring or agreeing to procure subscriptions, whether absolute or conditional, for any shares, debentures, debenture stock or other securities of the Company, shall exceed ten per centum of the amount realized upon the sale of such shares, debentures, debenture stock or other securities of the Company;

(j) To procure the Company to be registered and recognized in any foreign country and to designate persons therein according to the laws of such foreign country to represent the Company and to accept service for and on behalf of the Company of any process or suit;

30 (k) To raise and assist in raising money for and to aid by way of bonus, loan, promise, endorsement, guarantee of bonds, debentures or other securities or otherwise any other company or corporation and to guarantee the performance of contracts by any such company or corporation or by any other person or persons with which or whom the Company may have business relations;

(l) To acquire any business, including the real and personal property and assets thereof, of the nature or character which the Company is authorized to carry on and the goodwill thereof and to pay therefor, in whole or in part, by the allotment and issue of shares of the capital stock of the Company fully paid up and non-assessable; and

40 (m) Subject to the provisions of the Ontario Companies Act, to pay for any real or personal property, goodwill, assets, rights, credits or effects which may be acquired by the Company by allotment and issue of shares of the Company's capital stock, fully

paid up and non-assessable; provided, however, that nothing in these Letters Patent contained shall be deemed or construed to authorize or empower the Company to operate or control any public utility or municipal franchise within the meaning of the provisions of Part XII of The Ontario Companies Act until authorized so to do by Supplementary Letters Patent;

The capital of the Company to be divided into Ten Thousand Preference shares of the par value of One Hundred Dollars each, amounting in the aggregate to One Million Dollars, and Fifty Thousand common shares without any nominal or par value, the capital of the Company to be at least equal to the sum of the aggregate par value of all issued shares having par value, plus Five Dollars in respect to every issued share without par value, plus such amounts as, from time to time, by by-law of the Company, may be transferred thereto;

The Head Office of the Company to be situate at the City of St. Catharines, in the County of Lincoln and Province of Ontario; and the Provisional Directors of the Company to be Mervil MacDonald, Fraser Grant, Clyde Auld, Douglas Irving Grant, William Bedford Scellen, Maud Willson and Isabel Clement. hereinbefore mentioned;

And it is Hereby Ordained and Declared that

(1) Holders of preference shares shall be entitled to receive and the Company shall be obligated to pay out of surplus profits (being moneys properly applicable to the payment of dividends) cumulative, preferential dividends at the rate of seven per centum per annum and no more, payable quarterly on the first days of January, April, July and October in each year in preference to and before any dividends shall be paid upon the common shares: the first of such dividends, which shall be a full quarterly dividend of one and three-quarters per centum, shall be payable on the first day of October, A.D. 1925; all such dividends shall be payable by warrant or cheque in favour of the registered shareholders and shall be made payable at par at any branch of the Bank of Toronto in Canada at the option of the holder; holders of preference shares who are bona fide residents of, or if corporations whose principal office is situate in the United States of America and whose registered address in the books of the Company is at some place in the United States of America, shall be entitled to have dividends declared on such preference shares and payments in respect of any redemption of such shares paid in New York funds at the option of such holder;

(2) In the event of voluntary liquidation, dissolution, winding up or reorganization, by way of amalgamation or otherwise, of the Company or other distribution of its assets, other

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than by way of dividends out of its surplus profits, the holders of preference shares shall be entitled to receive \$110.00 per share and all accrued and unpaid dividends up to the time of such voluntary liquidation, dissolution, winding up, reorganization or distribution of assets respectively; and in the event of involuntary liquidation, dissolution, winding up or reorganization of the Company or other involuntary distribution of its assets, the holders of preference shares shall be entitled to receive payment of par amount of their shares, together with all accrued and unpaid dividends, before any payment shall be made to the holders of common shares;

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(3) The Company may at any time or times redeem all or any of the preference shares by purchasing any of such preference shares in the market at the lowest price at which in the opinion of the board of directors of the Company such shares are obtainable but not exceeding one hundred and ten per centum (110%) of the par value thereof, together with all unpaid dividends thereon and an amount calculated as if the preferential dividends were accruing from the period from the last dividend payment date to the date of such purchase; from and after the date of purchase of any such preference shares under the provisions herein contained, the preference shares so purchased shall be deemed to be redeemed and shall be cancelled; upon giving notice as hereinafter provided, the Company may on any quarterly dividend date redeem the whole or any part of the preference shares then outstanding upon payment of one hundred and ten per centum (110%) of the par value thereof together with all unpaid cumulative dividends and an amount calculated as if the preferential dividends on such shares were accruing from the period from the last dividend payment date to the date of such redemption; in the event of a part only of the outstanding preference shares being redeemed as aforesaid, the Company will select by lot in such manner as the board of directors may determine the shares to be redeemed; except in the case of shares purchased in the market, the Company shall give at least thirty days' notice in writing of its intention to redeem all or any of the outstanding preference shares to the holders thereof as registered in the Company's books at the date of giving such notice; such notice shall be given by posting the same in a post-paid registered letter addressed to each shareholder at the last address of such shareholder as it appears on the books of the Company; such notice shall set out the date on which redemption is to take place, and on and after the date so specified for redemption the Company shall pay or cause to be paid to the registered holders of such shares the redemption price on presentation and surrender at the Head Office of the Company or at any other place designated in

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such notice of the certificates of such shares called for redemption; the certificates of such shares shall thereupon be cancelled and the redemption of the shares thereby represented shall thereupon be completed; from and after the date specified in any such notice the holders of preference shares called for redemption shall not be entitled to exercise any of the rights of shareholders in respect thereof unless payment of the redemption price shall not be made by the Company upon presentation and surrender of the certificates; should the holders of any preference shares so called for redemption fail to present the certificates representing such shares within fifteen days after the date specified for redemption, the Company shall have the right to deposit the redemption price of such shares with any chartered bank or trust company in Canada to the credit of a special account or accounts in trust for the respective holders of such shares, to be paid to them upon surrender to such bank or trust company of certificates representing the same, and upon such deposit such shares shall, so far as liability of the Company is concerned, be deemed to be redeemed and cancelled; after the Company has made a deposit as aforesaid with respect to any preference shares, the rights of the holders of such shares as against the Company shall be limited to receiving the amount so deposited, and such holder shall not be entitled to any further participation in the profits or assets of the Company or to exercise any rights as holders of such shares so redeemed and cancelled; and any preference shares purchased or redeemed by the Company shall not be re-issued;

(4) No dividend shall be declared nor shall any dividend be payable upon or in respect of the common or ordinary shares or on any other class of shares of the Company at any time when there is any dividend accrued and unpaid in respect of preference shares nor unless and until the following conditions have been fulfilled and complied with, namely: (a) The Company has a surplus of undivided profits over and above any dividend so proposed to be paid, sufficient to provide for the dividend on the preference shares for a full period of one year; (b) The payment of the proposed dividend upon the common or ordinary or other shares shall not, after providing for the surplus in sub-paragraph (a) hereof reduce the total amount of the then current assets below two hundred and fifty per centum (250%) of the then current liabilities, nor the net current assets below the sum of Seven Hundred and Fifty Thousand Dollars (\$750,000.00); "net current assets" shall mean the surplus of current assets over current liabilities; current assets shall be good accounts receivable, bills and notes receivable and similar or other instruments payable within one year received from and in connection with the sale of the products of the business of the Company, cash on hand and in

banks, bonds or other securities which are lawful investment for trust funds in the Dominion of Canada taken at their cost or at their market value, which ever is lower, raw material, manufactured or partly manufactured products, and all material and supplies necessary for the operation of the plant and the manufacture of the Company's products; "current liabilities" shall be all liabilities of the Company except liability on capital stocks, contingent and other reserves or surplus and mortgage and funded indebtedness;

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- 10       5. By way of Sinking Fund in each and every year in which under the provisions of clause (4) hereof the Company may declare or pay a dividend upon or in respect of common or ordinary shares or any class of shares other than the preference shares hereby provided for, the Company shall forthwith after the conclusion of its fiscal year reserve and set apart out of its net earnings or profits, and before any dividend is paid or set apart for payment on the common, ordinary or other class of shares, a sum amounting to ten per centum (10%) of the said net earnings or profits available under clause (4) for payment of
- 20       dividends on such common, ordinary or other class of shares; and the fund so established shall be used for the purpose of redemption of preference shares by purchase in the market (upon some recognized stock exchange if the same are listed or dealt in by the members thereof) and if not so listed or dealt in, then by private purchase, at the lowest price or prices at which such shares are obtainable, forthwith from time to time as such shares with all dividend rights are obtainable at a price or prices not exceeding the par value of such shares, including in such price the cost of purchase; and if such shares cannot be so purchased
- 30       at or below the aforesaid price within the ensuing twelve months, the monies so reserved or set apart shall cease to be available for the said purpose and shall become part of the general funds of the Company; provided that in the event of the failure of the Company to comply with the provisions of this clause the monies remaining unexpended hereunder shall be applied in the redemption of preference shares as provided in clause (g) hereof; all preference shares purchased in accordance with the provisions of this clause shall be forthwith cancelled and shall not be re-issued;
- 40       (6) Except as otherwise expressly provided, the holders of preference shares shall not have any voting rights either for election of directors or for any other purpose nor shall they be entitled to receive any notice of shareholders' meetings or to attend the same so long as the Company shall not be in default as hereinafter provided, and all such notices, so far as permitted by law, shall be deemed to be waived by the acceptance of the



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 16  
Certified  
copy of  
Letters  
Patent of the  
McKinnon  
Industries,  
Limited  
7th July,  
1925  
Continued*

10 shares; in case, however, default shall be made by the Company in payment of dividend upon the preference shares in respect of four quarterly dividends (which shall not necessarily be consecutive) then and in every such case and so long as any such dividend shall continue to be in arrear and unpaid, the holders of preference shares shall have the same voting rights as the holders of common shares, namely, one vote for each share held, and shall also have the right to receive notice of all meetings of the shareholders of the Company, the holders of preference shares

20 in every case, when entitled, to exercise voting powers as aforesaid, to be entitled, exclusively of the holders of common or ordinary shares, to elect three of the number of the board of directors and such special rights shall continue to be enjoyed by the holders of preference shares until all accumulated dividends on the preference shares shall have been paid, at which time the said special rights shall be divested from the holders of preference shares and shall be enjoyed by the holders of common shares only and exclusively; at all times the holders of common shares shall have the exclusive right to vote upon the question of redeeming

30 the preference shares; provided, however, that nothing herein contained restricting the voting rights of the holders of preference shares or depriving such holders of the right to vote shall apply to matters, if any, which under The Ontario Companies Act, require for validity or effect the approval, authorization or sanction of shareholders representing any given proportion of the whole of the Company's subscribed capital; and further provided that except in so far as may be necessary to give such validity or effect the preceding proviso shall not be deemed to overrule the provisions hereof restricting the voting rights of holders of

40 preference shares or depriving such holders of the right to vote;

(7) So long as any of the preference shares remain outstanding and unredeemed, the Company shall not mortgage or encumber any of its assets, real or personal, in excess of One Million Dollars, the amount of a proposed issue of first mortgage twenty-year six and one-half per centum bonds, unless the by-law or resolution creating such mortgage or encumbrance is confirmed by a vote of the holders of at least two-thirds in value of the preference shares then outstanding at a special general meeting called for the purpose of considering such by-law or resolution; provided, however, that this paragraph shall not prevent the Company from giving to any bank or banks security or securities under the Bank Act of Canada for moneys borrowed or to be borrowed for the purposes of the Company or from creating purchase money obligations or liens or charges for unpaid purchase money; and

(8) The foregoing provisions respecting preference shares, other than the provisions of clause (7) hereof, may be repealed or modified if authorized by by-law of the Company confirmed by a vote of the holders of at least sixty per centum in value of the preference shares then outstanding at a special general meeting called for the purpose of considering such repeal or modification, and further confirmed by Supplementary Letters Patent;

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 16  
Certified  
copy of  
Letters  
Patent of the  
McKinnon  
Industries,  
Limited  
7th July,  
1925  
Continued*

AND IT IS HEREBY FURTHER ORDAINED AND DECLARED:

10 (1) That, if the by-laws of the Company so provide, it shall not be necessary for a majority of the directors to constitute a quorum of the board;

(2) That the Company may hold meetings of its shareholders, directors and executive committees (if any) at any place other than the Head Office, either within or without the Province of Ontario;

20 (3) That any shareholder or director may waive notice of the holding of any meeting of shareholders or directors, as the case may be, and that if all of the shareholders, in the case of shareholders' meetings, or all of the directors, in the case of directors' meetings, shall sign a waiver of notice of the holding thereof, no notice of such shareholders' meeting or directors' meeting, as the case may be, shall be necessary to be given; and

(4) That the Company may pay out of its fund all costs and expenses of and incidental to the incorporation and organization of the Company.

Given under my hand and Seal of Office at the City of Toronto, in the said Province of Ontario, this seventh day of July, in the year of Our Lord one thousand nine hundred and twenty-five.

30

WILLIAM H. PRICE,  
*Acting Provincial Secretary.*



*In the  
Supreme  
Court of  
Ontario  
No. 17  
Photo of  
Defendant's  
Forge Shop  
14th March,  
1949*

EXHIBIT No. 17  
Photo of Forge Shop dated 14th March, 1949.



*In the  
Supreme  
Court  
of Ontario  
Plaintiff's  
Exhibit  
No. 18  
Photo of  
Defendant's  
Forge Shop  
4th April,  
1949*

EXHIBIT No. 18  
Photo of Forge Shop dated April 4th, 1949.



*To the  
Supreme  
Court of  
Oklahoma  
Plaintiff's  
Exhibit  
No. 19  
Photo of the  
east side of  
Plaintiff's  
greenhouse  
1945*

EXHIBIT No. 19

On reverse side appears:

"1945 — Portion of east side of large greenhouse taken in the fall showing the uncleaned and cleaned glass."

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 20  
Photo of  
inside of  
Plaintiff's  
large  
greenhouse  
1946*



EXHIBIT No. 20

On reverse side appears:

"1946 — Showing section of large greenhouse east side —  
uncleaned."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 21  
Photo of  
Defendant's  
premises  
14th March,  
1949*

EXHIBIT No. 21  
Photo March 14th, 1949, of part of Defendant's premises,  
showing smoke, etc.





*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 22  
Photo of  
Plaintiff's  
greenhouse  
looking  
towards  
Defendant's  
premises  
1945*

EXHIBIT No. 22

On reverse side appears:

"1945 — Taken from plot east of greenhouses 2, 3 and 4. Shows — ventilators on roof, ventilators on sides, cupolas, forge shops, propagating houses. Glads on right—Spanish onions left."





*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 23  
Photo of  
Plaintiff's  
south  
greenhouse  
1946*

EXHIBIT No. 23

On reverse side appears:

"1946 — Plot south of greenhouses taken early in summer showing effects of gas on gladioli."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 24  
Photo of  
Test Plot of  
Defendant,  
1946*

EXHIBIT No. 24

On reverse side appears:

"1946 — Test plot of McKinnon Industries gladioli taken early in summer. These continued to become worse from effects of gas until taken out."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 25  
Photo of  
Plaintiff's  
gladioli  
bed,  
1946*

EXHIBIT No. 25

On reverse side appears:

"1946 — Showing gladioli east side of greenhouses taken early. These continued to become worse from effects of gas until taken out."



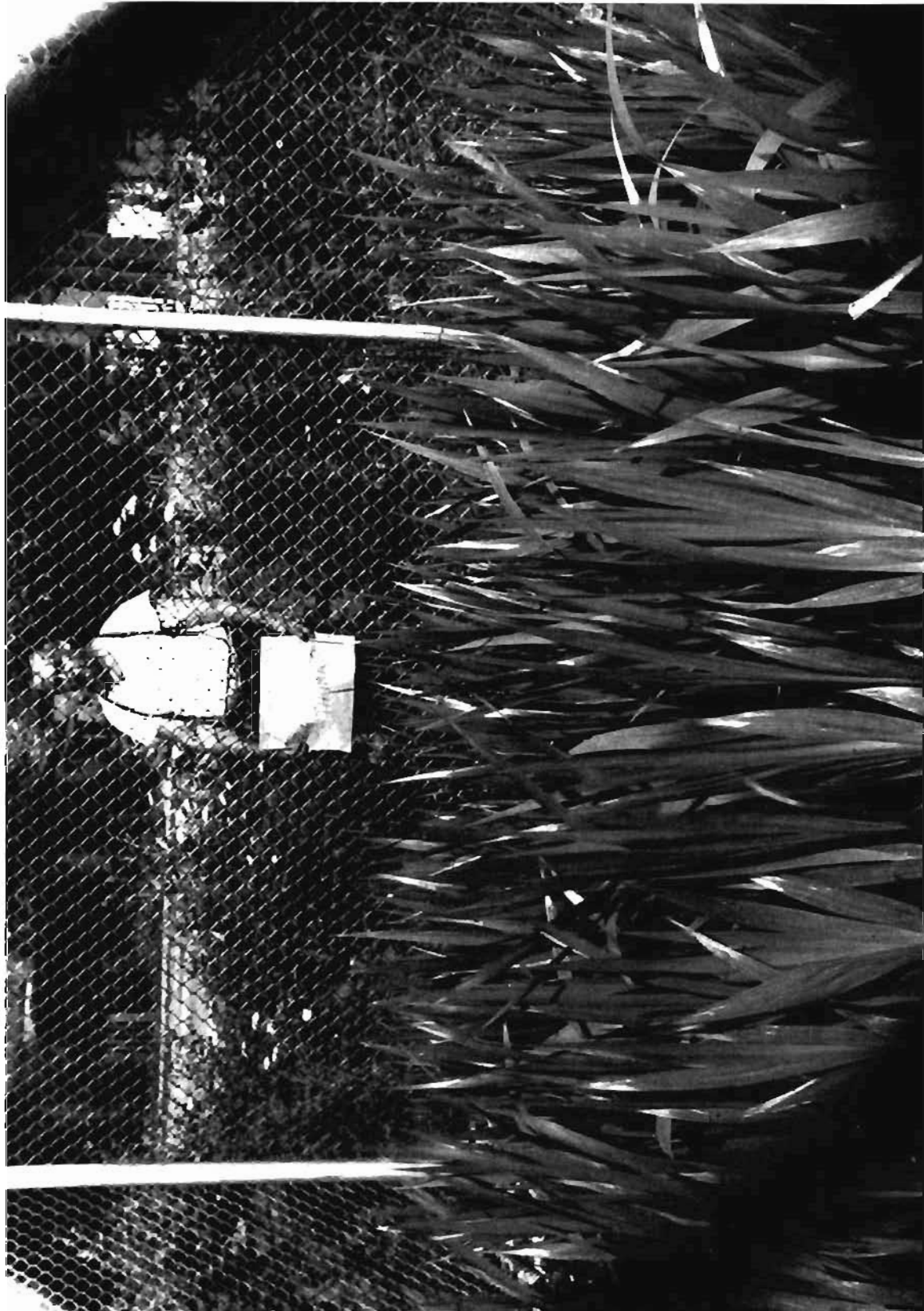


*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 26  
Photo of  
Plaintiff's  
gladioli  
7th Aug.,  
1947*

EXHIBIT No. 26

On reverse side appears:

"August 7, 1947—Photo of our upper lot planting of Glads."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 27  
Photo of  
Defendant's  
Test Plot  
7th Aug.,  
1947*

EXHIBIT No. 27

On reverse side appears:

"August 7, 1947—Photo of McKinnon Industries trial plot."



*In the  
Supreme  
Court  
of Ontario  
Plaintiff's  
Exhibit  
No. 28  
Photo of  
Plaintiff's  
Gladioli  
5th Sept.,  
1947*

EXHIBIT No. 28

On reverse side appears:

"5th September, 1947."



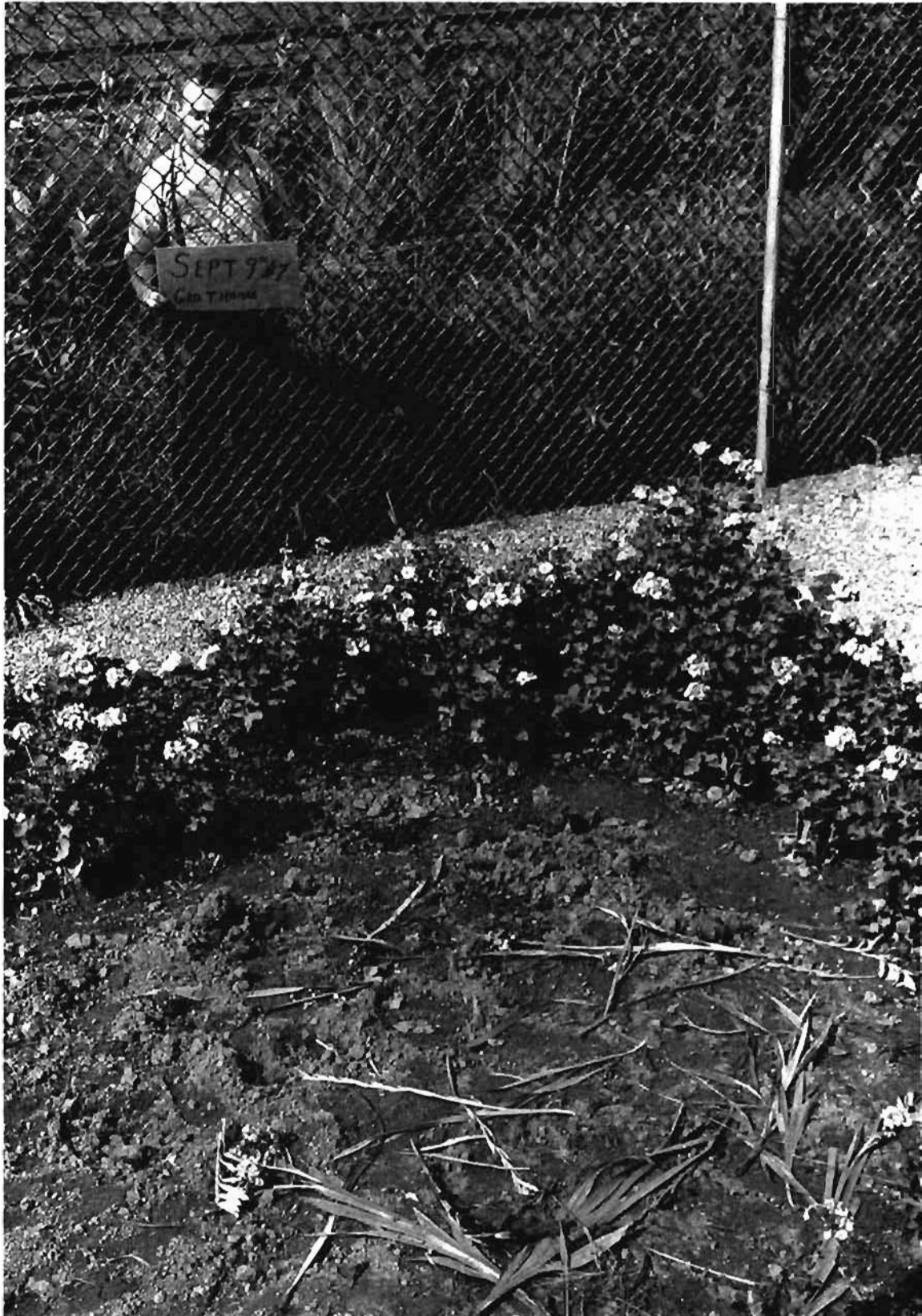
*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 29  
Photo of  
Test Plot of  
Defendant  
5th Sept.,  
1947*

EXHIBIT No. 29

On reverse side appears:

"5th September, 1947. This photo taken of trial plot of Mc-Kinnon Industries after the bad gladioli and damaged leavees had been cut off. W.W."





*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 30  
Photo of  
Defendant's  
Test Plot  
9th Sept.,  
1947*

EXHIBIT No. 30

On reverse side appears:

"September 9, 1947 — Trial Plot."



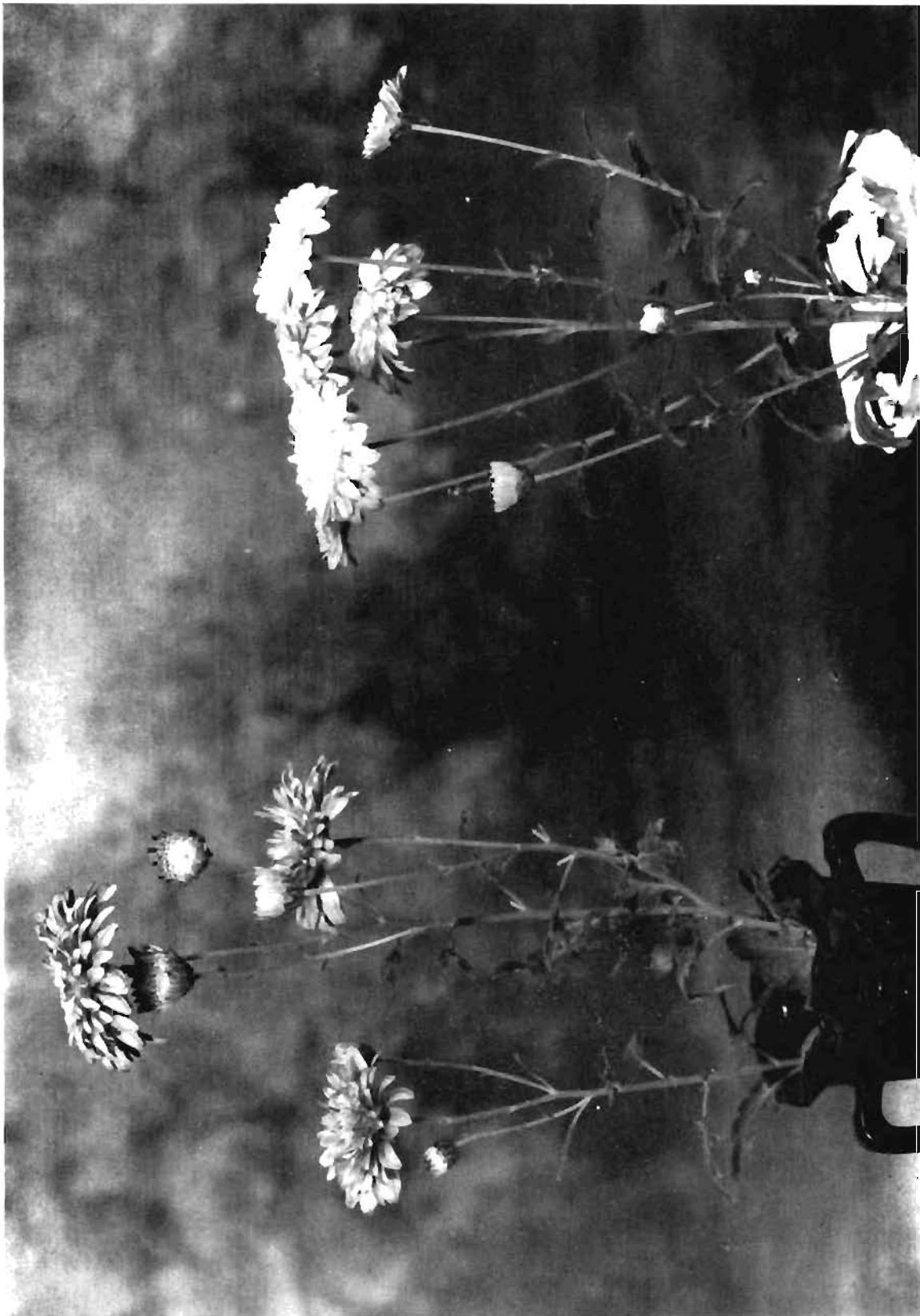


*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 31  
Photo of the  
Plaintiff's  
premises  
looking  
toward the  
premises of  
Defendant  
21st Oct.,  
1948*

EXHIBIT No. 31

On reverse side appears:

"October 21, 1948 — Cupolas and forge shop looking west and southwest over large greenhouse."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 32  
Photo of  
Plaintiff's  
Mums.  
1946*

EXHIBIT No. 32

On reverse side appears:

"1946 — Showing effects of gas and smoke on growth of mums. Smaller plant grown 300 feet closer to stacks. Larger flower shows better colour and growth. Both plants same variety, planted and grown under same conditions."



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 33  
Photo of  
inside of  
Plaintiff's  
Orchid  
House,  
1933*

EXHIBIT No. 33

On reverse side appears:

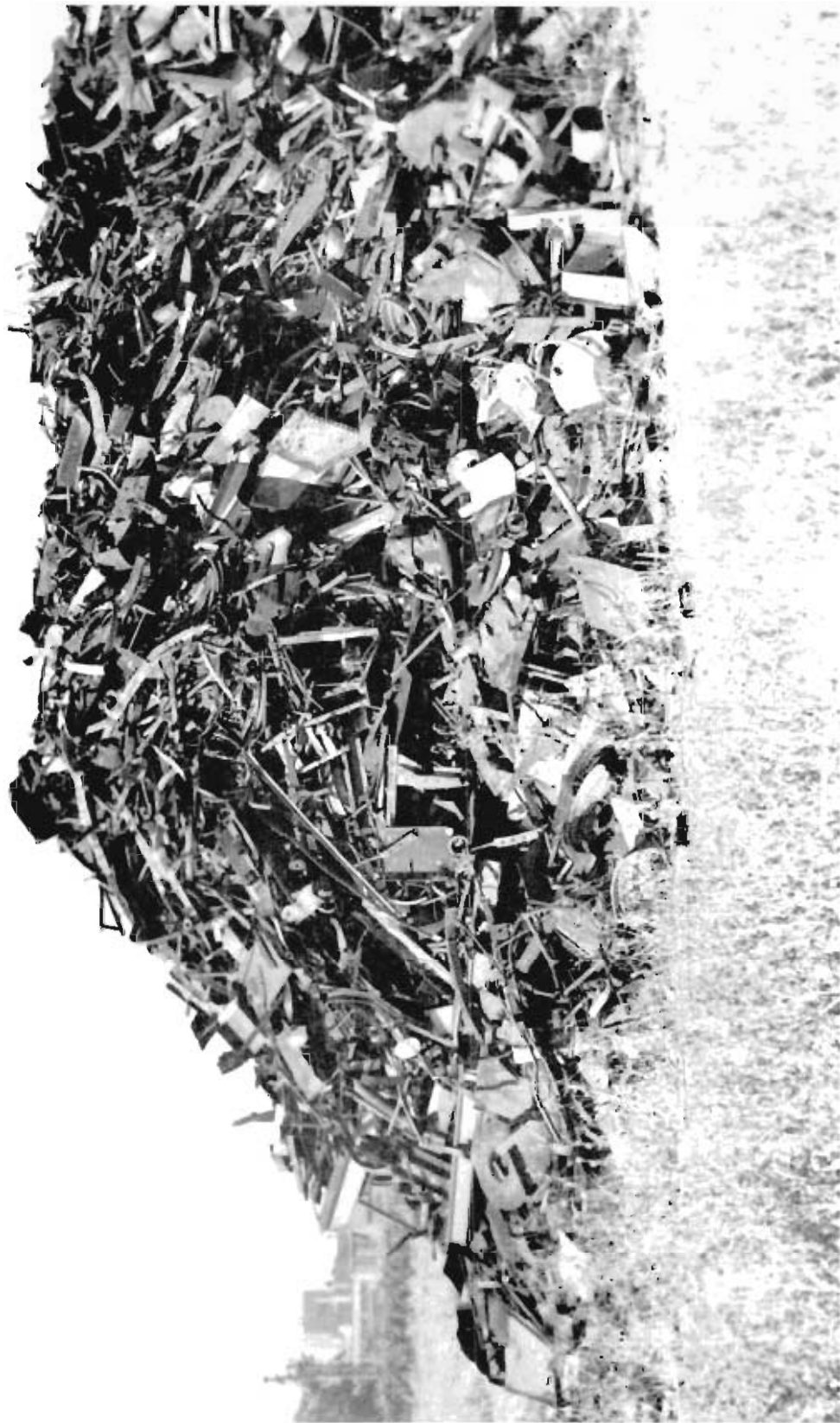
"This is a picture of one of our Cattlaia orchid houses taken 16 years ago showing Mr. W. W. Walker Sr. We now have the second largest collection of orchids in Canada."

(1933)



*In the  
Supreme  
Court  
of Ontario  
Plaintiff's  
Exhibit  
No. 34  
Photo of  
inside of  
Plaintiff's  
Orchid  
House  
4th April,  
1949*

EXHIBIT No. 34  
Photo inside of orchid house, 4th April, 1949.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 35 (a)  
Photo of  
Defendant's  
scrap pile  
27th Sept.,  
1948*

EXHIBIT No. 35A  
Photo Defendant's scrap pile September 27th, 1948.  
McKinnon scrap pile app. 120' x 40' x 25'  
No. 1



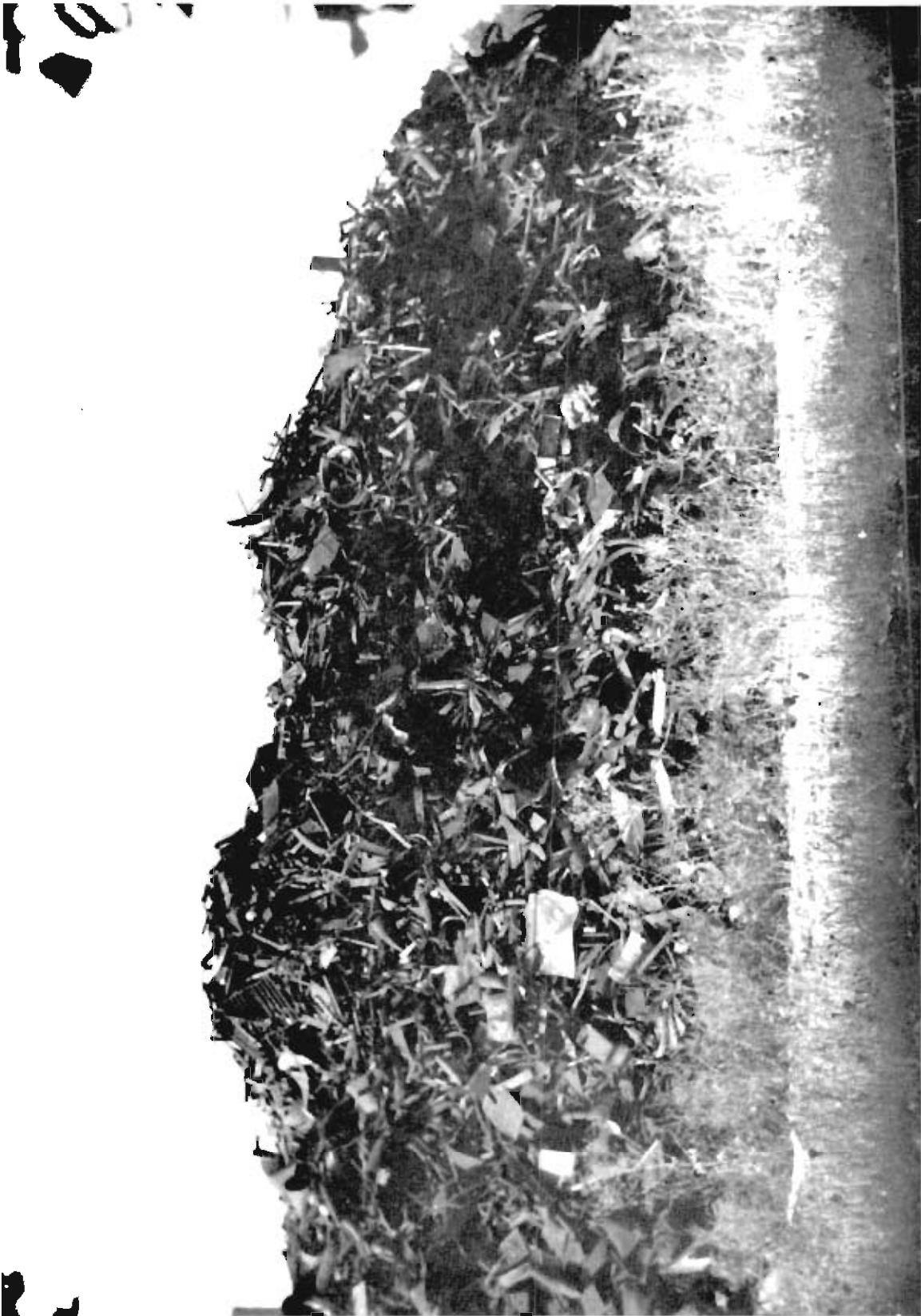


*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 35 (b)  
Photo of  
Defendant's  
scrap pile  
27th Sept.,  
1948*

EXHIBIT No. 35B

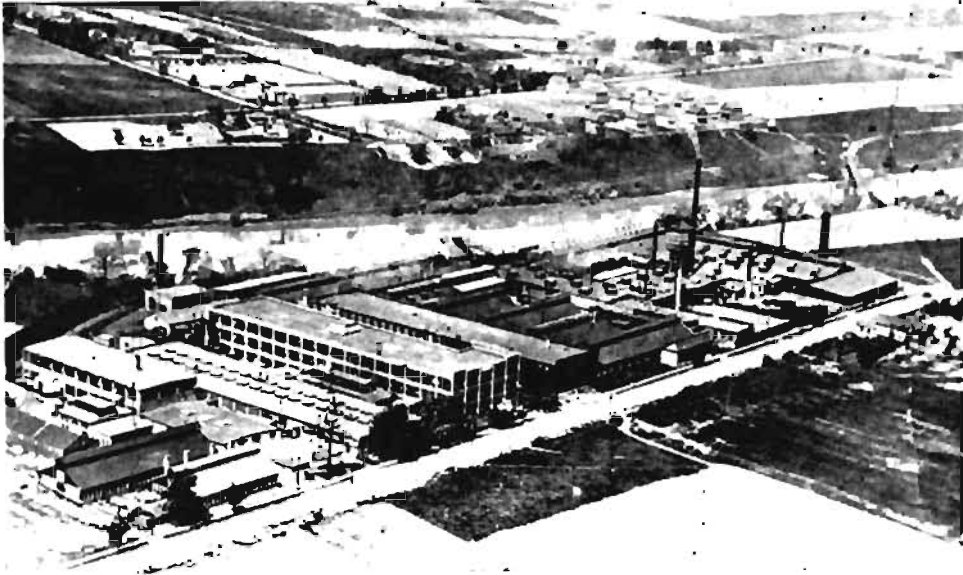
On reverse side appears:

"September 27, 1948 — McKinnon scrap pile."  
No. 2



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 35 (c)  
Photo of  
Defendant's  
scrap pile  
27th Sept.,  
1948*

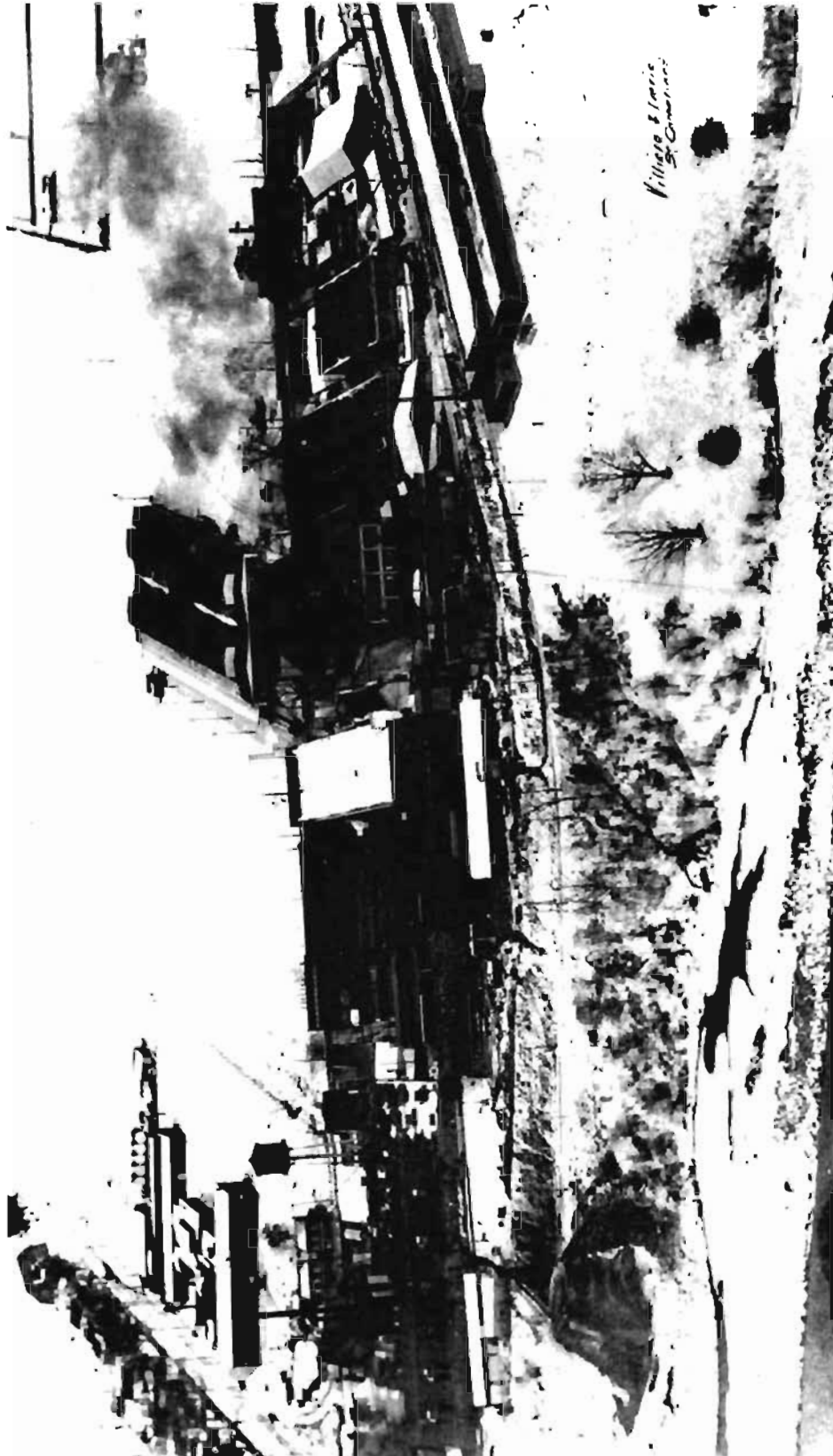
EXHIBIT No. 35C  
Photo Defendant's scrap pile September 27th, 1948.  
No. 3



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 36  
Aerial photo  
of plant of  
McKinnon  
Industries,  
Limited  
1917-1925*

EXHIBIT No. 36  
McKinnon Industries Limited, St. Catharines, Ont.,  
as seen from an aeroplane.  
Photo McKinnon Industries taken between 1917 and 1925.





*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 37  
Aerial photo  
of plant of  
The  
McKinnon  
Industries,  
Limited  
1930-1933*

EXHIBIT No. 37  
Photo McKinnon Industries taken between 1930 and 1933.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 38 (a)  
Photo of  
stumps of  
poplar trees  
31st May,  
1948*

EXHIBIT No. 38 (a)  
Photo of poplar stumps taken 31st May, 1948.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 38 (b)  
Photo of  
stumps of  
poplar trees  
31st May,  
1948*

EXHIBIT No. 38 (B)  
Photo of poplar stumps taken 31st May, 1948.



*In the  
Supreme  
Court  
of Ontario  
Plaintiff's  
Exhibit  
No. 38 (c)  
Photo of  
stumps of  
poplar trees  
31st May,  
1948*

EXHIBIT No. 38 (C)  
Photo of poplar stumps taken 31st May, 1948.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 39 (a)  
Photo of  
stump of  
poplar tree  
31st May,  
1948*

EXHIBIT No. 39 (A)  
Close-up view of poplar stump taken 31st May, 1948.





*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 39 (b)  
Photo of  
stump of  
poplar tree  
31st May,  
1948*

EXHIBIT No. 39 (B)  
Close-up view of poplar stump taken May 31st, 1948.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 39 (c)  
Photo of  
stump of  
poplar tree  
31st May,  
1948*

EXHIBIT No. 39 (C)  
Close-up view of poplar stump taken May 31st, 1948.

(Exhibit No. 40)

Members F.T.D.A.,  
Allied Florists, Inc.

Phone 763

W. W. WALKER & SONS  
Grower Florists

Orchids a Specialty  
We Grow Them

Flower Shop  
156 St. Paul St.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 40  
Statement  
of Cost of  
Greenhouses  
5th April,  
1948*

ST. CATHARINES, ONT.

GLASS GREENHOUSES (Carlton St.)

10	No. 1 Greenhouse, 20 x 20 panes used.....	685
	No. 2 West Side Greenhouse, 20 x 20 panes used.....	552
	No. 3 Centre House, 16 x 16 panes used.....	1720
	20 x 20 panes used.....	276
	No. 4 Orchid House, east side, 18 x 20 panes.....	772
	No. 5 East Side Upper Orchid House, 18 x 20 panes.....	240
	No. 6 Propagation House, 16 x 20 panes used.....	90
	No. 7 Iron Frame House, 16 x 16 panes used.....	4788
	16 x 20 panes used.....	396
20	Total panes of glass.....	9519

All Glass, Double Diamond

SIZE AND COST OF GREENHOUSES (hot water heated)

	Boiler house, potting shed, holding shed, garage, coal storage bins, boiler pits, sewers, brick chimney and heating.....	\$ 4,500.00
	Super Iron Frame Greenhouse, 1918-20; size, 137 ft. long, 52 ft. wide; contains 7,124 sq. ft. at \$2.75 per sq. ft.....	19,592.00
30	No. 1 Upper Greenhouse, pipe frame all cyprus construction; 28 ft. wide, 50 ft. long; 1,400 sq. ft. at \$2.25 per sq. ft.....	3,150.00
	No. 2 West Side Greenhouse, pipe frame all cyprus construction; 16 ft. wide, 78 ft. long; 1,248 sq. ft. at \$2.25 per sq. ft.....	2,808.00
	No. 3 Centre Greenhouse, pipe frame all cyprus construction; 22 ft. wide, 78 ft. long; contains 1,716 sq. ft. at \$2.25 per sq. ft.....	3,911.00
	No. 4 East Side Orchid House, pipe frame all cyprus construction; 18 ft. wide, 78 ft. long; contains 1,404 sq. ft. at \$2.25 per sq. ft.....	3,184.00
40	No. 5 East Side Upper Orchid House, pipe frame all cyprus construction; 18 ft. wide, 24 ft. long; contains 432 sq. ft. at \$2.25 per sq. ft.....	972.00
	No. 6 Propagation House, pipe frame all cyprus construction; 10 ft. wide, 13 ft. long; contains 130 sq. ft. at \$2.25 per sq. ft.....	292.00



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 40  
Statement  
of Cost of  
Greenhouses  
5th April,  
1948  
Continued*

Greenhouse entrance, office storage room, 10 ft. wide,  
24 ft. long, hot water heated..... 250.00  
Cost per foot includes heating boilers, pipe and so forth  
for a finished house. All benches throughout  
greenhouses, wood used is cyprus.  
Stokers and pumps, inside tanks, oil tanks, oil burners 2,175.00

“W. W. WALKER”

April 5, 1948.

(Exhibit No. 41)

(Extract from "Canadian Florist", issue of February 1, 1949)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 41  
Abstract  
from  
Canadian  
Florist  
1st Feb.,  
1949*

So You Want to  
GROW ORCHIDS?

I have been asked on many occasions by members of the trade, why I don't grow more orchids for the trade. Here is a short answer to this question. Let us suppose an individual wanted to form a collection of three thousand orchid plants. One could reckon the cost as follows:

10	One thousand assorted specie, established plants in six and seven inch pots, valued at \$10 each.....	\$10,000.00
	Two thousand hybrid in varied classes, mostly hybrid cattleya, in six-inch pots, that have bloomed, at \$20 each .....	40,000.00
		<hr/>
	These two items now have cost .....	\$50,000.00
	To house these, and other expenses in their connection	25,000.00
		<hr/>
	Total .....	\$75,000.00

20 To interest a grower, or individual in an expenditure of fifty to seventy-five thousand dollars these days is not the easiest matter. He will have to be a most enthusiastic person. For years I have leaned on the other producing plants, cut flowers and the retail store to carry on, and have produced now some of the finest available orchids in the Dominion of Canada.

Saw some West Coast orchids, Florida, South American, not to forget Hawaiian orchids, a short time ago. All may have looked O.K. when boxes were opened but as the old saying goes, "Lord help the florist" who would send these to his trade.

30 As I write this I read where there have been several shipments of airborne orchid blooms from Australia and India. With the heavy cost of air transportation added, plus the entire loss of bloom where planes have been forced to higher altitudes to escape storms, this is not a feasible proposition. I question if good fresh-cut orchids will ever be subjected to close competition by foreign or long-distance shipments. Imported specie we have seen are usually soft, and will not carry like our own northern-produced stock. These are my observations through more than thirty years as a grower of orchids in a fairly substantial way.

(Exhibit No. 42)

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 42  
Advt.  
23rd Mar.,  
1948

*E A S T E R F L O W E R S !*

EASTER LILY PLANTS  
50c per bud and bloom

The finest assortment of . . .

(Sketch  
of  
10 Easter  
Lily)

POTTED HYDRANGEAS,  
ROSEBUSHES,  
AZALEAS,  
CINERARIAS,  
POTTED HYACINTHS,  
TULIPS, and  
DAFFODILS.

South African VIOLETS  
\$1.25 and \$1.50 each

Roses, Carnations, Daffodils,  
Snapdragons, Poetaz, and all  
other seasonable cut flowers.

W. W. WALKER & SONS  
*Florists*

20 156 St. Paul St. Phone 5-5541

*"See Our Market Display Thursday and Saturday"*  
(St. Catharines Standard, March 23, 1948)

1294

(Exhibit No. 43)

K. L. McALPINE, M.A., F.C.I.C.  
22 Glenholme Ave.  
TORONTO 10, CANADA

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 43  
Analysis of  
Deposit on  
Plaintiff's  
Greenhouse  
18th Nov.,  
1947*

November 18, 1947.

*Analysis Deposit, Walker's Greenhouse*

	(Ether soluble extract) .....	0.8%
	Magnesium as magnesium carbonate .....	4.0%
	Calcium as calcium carbonate .....	14.4%
10	Iron as iron oxide .....	43.0%
	Ash insoluble in acid .....	11.0%
	Carbon loss on ignition .....	14.3%
	Manganese .....	0.2%
	Sulphur as sulphuric acid .....	1.7%

"K. L. McALPINE"

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 45  
Analysis of  
Deposit on  
Plaintiff's  
Greenhouse  
31st Mar.,  
1945*

(Exhibit No. 45)

K. L. McALPINE, M.A., F.C.I.C.  
22 Glenholme Ave.  
TORONTO 10, CANADA

March 31st, 1949.

*Analysis of Deposit on Roof of Walker's Greenhouse  
in St. Catharines:*

	(Ether soluble) .....	0.5%
	Magnesium as carbonate .....	1.9%
10	Calcium as carbonate .....	6.7%
	Iron as iron oxide .....	45.4%
	Ash insoluble in acid .....	16.9%
	Loss on ignition .....	27.8%
	Manganese .....	0.2%
	Sulphur as sulphuric acid .....	2.3%

"K. L. McALPINE"

## (Exhibit No. 44)

Small bottle containing extraction from deposit on Plaintiff's greenhouse roof (not printed).

## (Exhibit No. 46)

Small bottle containing extraction from deposit taken from the Plaintiff's greenhouse No. 2 on the east side (not printed).

*Plaintiff's  
Exhibit  
No. 46  
(not printed)*

## (Exhibit No. 47)

Small bottle containing extraction from deposit taken from the east side of Plaintiff's greenhouse No. 3 (not printed).

*Plaintiff's  
Exhibit  
No. 47  
(not printed)*

10

## (Exhibit No. 48)

Small bottle containing extraction from deposit taken from roof of Plaintiff's greenhouse, south end, east side, No. 3 (not printed).

*Plaintiff's  
Exhibit  
No. 48  
(not printed)*

## (Exhibit No. 49)

Small bottle containing extraction from deposit taken from roof of Plaintiff's greenhouse, east side, No. 2 (not printed).

*Plaintiff's  
Exhibit  
No. 49  
(not printed)*

## (Exhibit No. 50)

Small bottle containing extraction from deposit taken from Plaintiff's greenhouse No. 1, east side (not printed).

*Plaintiff's  
Exhibit  
No. 50  
(not printed)*

20

## (Exhibit No. 51)

Small bottle containing extraction from deposit taken from roof of Plaintiff's greenhouse, front side, big house (not printed).

*Plaintiff's  
Exhibit  
No. 51  
(not printed)*

## (Exhibit No. 52)

Small bottle containing extraction from deposit taken from the Plaintiff's greenhouse, east side, top and side (not printed).

*Plaintiff's  
Exhibit  
No. 52  
(not printed)*

## (Exhibit No. 53)

Small bottle containing extraction from deposit taken from the Plaintiff's large greenhouse, east roof (not printed).

*Plaintiff's  
Exhibit  
No. 53  
(not printed)*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 54  
(not printed)*

(Exhibit No. 54)

Small bottle containing extraction from deposit on the W. B. Miller greenhouse, Toronto (not printed).

*Plaintiff's  
Exhibit  
No. 55  
(not printed)*

(Exhibit No. 55)

Small bottle containing extraction from deposit from the roof of the Manton greenhouse, Toronto (not printed).

*Plaintiff's  
Exhibit  
No. 56  
(not printed)*

(Exhibit No. 56)

Small bottle containing extraction from deposit from the roof of the Doughby greenhouse, Oakville (not printed).

*Plaintiff's  
Exhibit  
No. 57  
(not printed)*

(Exhibit No. 57)

Small bottle containing extraction from deposit taken from the roof of the greenhouse of S. Lorimer, Port Credit (not printed).

*Plaintiff's  
Exhibit  
No. 58  
(not printed)*

(Exhibit No. 58)

Pane of glass from Plaintiff's greenhouse taken April 3rd, 1949 (not printed).

*Plaintiff's  
Exhibit  
No. 59  
(not printed)*

(Exhibit No. 59)

Filter paper with iron deposit from snow on Plaintiff's property, west side, No. 2 greenhouse (not printed).

*Plaintiff's  
Exhibit  
No. 60  
(not printed)*

(Exhibit No. 60)

Filter paper with iron deposit from snow on Defendant's premises in front of Forge Shop (not printed).

*Plaintiff's  
Exhibit  
No. 61  
(not printed)*

(Exhibit No. 61)

Map of district, with coloured pins denoting magnetic or non-magnetic deposits (not printed).



(Exhibit No. 62)

Folder containing pieces of cloth used in dust test at Plaintiff's property (not printed).

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 62  
(not printed)*

(Exhibit No. 63)

Folder containing piece of cloth used in dust test at Clover Leaf, Port Credit (not printed).

*Plaintiff's  
Exhibit  
No. 63  
(not printed)*

(Exhibit No. 64)

Folders containing cloths used in dust tests at Plaintiff's greenhouse (not printed).

*Plaintiff's  
Exhibit  
No. 64  
(not printed)*

10

(Exhibit No. 65)

Folders containing cloths used in dust tests at Plaintiff's greenhouse (not printed).

*Plaintiff's  
Exhibit  
No. 65  
(not printed)*

(Exhibit No. 66)

Folder containing cloths used in dust test at Plaintiff's premises (not printed).

*Plaintiff's  
Exhibit  
No. 66  
(not printed)*

(Exhibit No. 67)

EXTRACTS FROM THE DIARY OF W. W. WALKER  
YEAR 1946

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 67  
Diary for  
1946

- Friday,  
March 29      Week ending. Gas and dust very bad, all bloom  
having to be washed. Houses continually shaking  
from big hammer in forge.
- Saturday,  
April 6      Week ending April 6th, 1946, with smoke and a  
terrible lot of cupola dust.
- 10 Monday,  
April 8      Muggy day, gas very bad, wind southeast.  
—W.W.
- Tuesday,  
April 9      All plants Tuesday, April 9, hydrangeas and violets  
had to be washed off from that cupola dust.
- Tuesday,  
April 16      A.M. wind southwest. Dust and sand very bad,  
covering all plants. 2:30 p.m. wind changed to  
northwest, still lots of grit coming in, gas seems  
to be always present.
- 20 Wednesday,  
April 17      A.M. wind southwest. Much dirt coming over  
greenhouses. P.M., wind changing. Still dirt  
coming. Have to clean all Easter blooms twice  
*a day.*
- Thursday,  
April 18      West wind. This is the meanest wind yet, every-  
thing General Motors have in the way of dirt is  
coming over here today, messing up all our Easter  
stock, and the gas is right along as always.
- Friday,  
April 19      Not much dirt, only a bit of smoke.
- Saturday,  
April 20      Not much dirt, only a bit of smoke.
- 30 Sunday,  
April 21      Same for the third day, just a bit of smoke.
- Monday,  
April 22      Monday, south wind by west. Oil smoke and soft  
coal smoke. Very sticky when contacting plant.  
Cannot get this off plant.
- Tuesday,  
April 23      Tuesday, north wind sweeping upper corner of  
orchid house. Wind comes in gushes, all the grit  
and dirt with it and always the gas.
- Wednesday,  
April 24      Our worst day of all. Wind northwest, changing  
to southwest, flecks like small ashes coming over,  
along with all the cupola grit, also all the gas they  
have.
- 40 Thursday,  
April 25      Southwest wind. We planted outside stock; as  
fast as you planted General Motors grit and dirt  
land on top of same. My car was just painted, the  
grit and oily scum settled on it the first few hours,  
covering same.

- Friday, April 26 West wind. Oil smudge, gas and dirt coming over, some more of those white flakes again.
- Saturday, April 27 Not so much smoke today.
- Monday, April 29 Gas and oil very bad this morning, wind southwest directly over greenhouses.—W. W. Walker. P.S.—I noted this morning tulips in frames damaged by gas, no bloom this year.—W.W.
- 10 Tuesday, April 30 Southwest wind, changing to west. Gas very bad today. Black grit blowing over today, mixed with gray.
- Wednesday, May 1 Very little wind today but gas is gradually wiping out our outside plants that are tender when planted, as we keep replacing same.
- Thursday, May 2 Northwest wind, changing to north. Ash flakes, gas and grit coming over. You can stand outside and see particles dropping.
- 20 Friday, May 3 East wind today. We are getting our first break in weeks. General Motors are sending a sample of gas and dirt across the Canal today.
- Saturday, May 4 Southeast wind again. We are blessed, the people across the Canal are getting the dirt again today. I only hope this keeps up until after Mother's Day, as we have lots of bloom in stock.
- Sunday, May 5 West wind, changing to southwest today. I came down to inspect the Mother's Day stock; everything is covered with their dirt and sand, also a lot of that white or gray ash. All the stock will have to be washed and never looks as well after.
- 30 Monday, May 6 West wind, changing to northwest. That helps some but the damage has been done; gas, dirt and even an oil smudge has started.
- Tuesday, May 7 Northeast wind. We are getting a bit of a break; have just cleaned all of our Mother's Day stock again. Hope General Motors keep all their dirt and gas until after our big rush.
- Wednesday, May 8 West wind. All the dirt and gas dropping right directly on us, changing to north wind. Now all stock has to be cleaned again.
- 40 Thursday, May 9 Oil, gas and smoke bad, wet weather and low, directly over greenhouses. Southwest wind.  
—W. W. Walker.
- Friday, May 10 West wind again. Our Mother's Day stock suffers with dirt, gas and these large gray specks. All this bloom is just covered again.

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 67  
Plaintiff's  
Diary for  
1946

- Monday, May 13 Northwest wind. Some dirt and gas but no big flecks of brown ash today.
- Tuesday, May 14 North wind. Not so bad, as rain helped us out today.
- Wednesday, May 15 North wind, changing to northwest. Dirt and gas is coming over today but no big gray flecks.
- Thursday, May 16 South wind, changing to northwest. Rain is helping us to clean all this oil smudge off the glass.
- 10 Monday, May 27 Oil and gas worst I have seen in months. Gas low. 7 a.m. —W.W.
- Tuesday, May 28 Oil and gas very bad, 7 a.m. gas low. W.W.
- Friday, May 31 Gas and oil very bad. Weather heavy. Gas low. W.W.
- Monday, June 3 Smoke to colour of sulphur and black soot seems to be blown off around six in the morning. Walking by General Motors new forge shop you can hardly see. That is what we are getting.
- 20 Tuesday, June 4 Today the dirt, gas and yellow smoke are striking us dead centre; it has created a burn on some of the angel wing begonias in our cemetery tubs, which we have to replace before delivering.
- Wednesday, June 5 Southwest wind today. We are taking all the filth from General Motors dirt, gas, oily smoke and that sort of gray ash. The hammer from the forge is continuously shaking our glass down from the big hammer.
- 30 Thursday, June 6 Again we have a southwest wind and as usual the dirt, gas and oil dust is with us, along with the gray ash; the hammers have caused the plaster to crack in every room of our house *up front*. The new residents next door just complained to me about their plaster falling. Now that the Armenian people know of our challenge with General Motors, a lot is coming out. The damage the Motors create is unbelievable.
- 40 Friday, June 7 Southwest wind again today. The oily smoke is just laying right down on our glass; due to our previous rain the dampness has exposed the gas more than ever; our customers remarked today about the very strong gas odor.
- Monday, June 10 Southwest wind. All the grit and sort of oil flecks coming directly over. Gas so bad this afternoon it really bothered your breathing out of doors.
- Monday, June 17 Today we are taking all of the General Motors dirt, gas, oil smoke and those gray-like flecks being

- carried to us by a southwest wind. It really is unpleasant to breathe here today.
- Thursday, June 20 Southwest wind, turning to almost south. The oil, gas and smoke are settling right on the greenhouses today. We seem to be at the right distance for this detriment to bother us.
- Friday, June 21 Again the southwest wind is prevailing and as usual we get the big gray ash, oil smudge, gas and all they have today. The wind is helping to whip it up more so.
- 10 Saturday, June 22 West wind again. We are getting the oil smoke, gas and all their dirt. This oily smoke gets on the glass, paint, cars and everything we have.
- Monday, June 24 West wind by slightly south. Not so windy today although the smoke, gas and dirt, along with that gray ash, are dropping right across our houses.
- Sunday, June 30 Most of the prevailing wind over the greenhouses these days. Gas and oil bad.—W.W.
- 20 Friday, July 5 Southwest wind today. Very much gas, oil and smoke dropping on our houses and plants outside today.
- Tuesday, July 9 West wind again today by slightly south. Smoke from big chimney at Delco dropping right down on us, along with gas and that fine gray ash.
- Thursday, July 11 Smoke from Delco chimney dropping on us again today by southwest wind. I notice in General Motors trial plot, as fast as the grit and dirt settle on their flowers the old keeper is over there washing same off several times a day. Would it be possible for a commercial plant like ours to do that, I ask you?
- 30 Saturday, July 20 Gas and oil very bad most days and directly over greenhouses except one day, when it was a direct west over their trial house. First direct day over the trial house I've seen this year.—W.W.
- Monday, July 22 Gas and oil smoke very bad and directly over greenhouses, then shifting directly over their trial houses.—W.W.
- 40 Tuesday, July 23 Gas and oil smoke very bad and directly over greenhouses.—W.W.
- Wednesday, July 24 Directly over their trial house. Strong sign of gas already showing.—W.W.
- Thursday, July 25 The whole area is covered when they light up with a dirty old oil every day.
- Friday, July 26 Going on holidays.

In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 67  
Plaintiff's  
Diary for  
1946  
Continued

- Tuesday, August 6 Oil, smoke, gas and that gray ash coming over today.
- Wednesday, August 21 Oil, gas and smoke directly over us. Notice man in test place of General Motors trying to clean up affected plants.
- Wednesday, August 28 Today gas, oil, smoke and that gray ash are coming over very low. It looks as though we may have rain. Yesterday a chemist from the American side was looking at our orchids and as he passed General Motors he remarked about the gas.
- 10 Monday, Sept. 9 Southwest wind. Smoke, gas and oil particles coming over low today, also some of that gray ash.
- Tuesday, Sept. 11 Oil and gas directly over greenhouse. Southwest wind. —W.W.
- Sunday, Sept. 15 There seems to be enough breeze from the Canal to carry the dirt over here at all times. Mostly from a westerly direction.
- Monday, Sept. 16 Gas, oil, soot and gray ash coming over in the early morning. You can taste the gas in your mouth on certain days.
- 20 Tuesday, Sept. 17 Again we have the gas, oil, soot and gray ash coming over. Absolutely no encouragement to try and grow with this continual menace over our heads.
- Wednesday, Sept. 18 Gas, oil, soot and that form of gray ash coming over again today. This makes three days in a row.
- Monday, Sept. 23 South wind today. Smoke very low, coming directly overhead from big Delco chimney. As men clean glass *in big house* you can almost see their work in vain. The smoke today is re-covering the glass so quickly.
- 30 Wednesday, October 9 Southwest wind. Gas, oil and smoke directly overhead. Very low. You can taste gas in the air.
- Wednesday, October 16 Gas and smoke still very bad and, with mild weather and open ventilation, all growth suffering. —W.W.W.
- Wednesday, October 23 Southwest wind. Smoke, gas and oil very low. More dirt today than in the past week.
- 40 Thursday, October 24 West by south again today. Smoke from big chimney dropping down on us today. Very low. You can taste gas right in the air.
- Friday, October 25 West wind today and windy. Violets and Xmas begonias seem to be in a coma. The gas is really making these plants sickly this year. Growth is very much stunted.

	Wednesday, October 30	Smoke and gas continuing. Getting heavier at more often periods. —W.W.W.
	Wednesday, Nov. 6	Smoke and gas very heavy all day. —W.W.W.
	Thursday, Nov. 7	Smoke and gas still very heavy. —W.W.W.
	Friday, Nov. 8	Smoke and gas still continue very bad. <i>See Dec. 8/46.</i> —W.W.W.
10	Saturday, Nov. 16	Oil and gas very bad the past two weeks. Mild, muggy weather holds gas and oil smoke low to ground and with ventilation open, growth suffering. —W.W.
	Thursday, Nov. 28	Smoke and gas still very bad and growth of plants very bad. Worst since before V-Day.—W.W.
	Wednesday, Dec. 4	Ventilators open and gas and oil very bad. —W.W.
	Thursday, Dec. 5	Smoke and gas again over greenhouses today bad. —W. W. Walker.
20	Sunday, Dec. 8	Mild weather. Vents open. Bloom suffering from dirt from General Motors.
	Monday, Dec. 9	Southwest wind today is the heart breaker for us. That gray ash and brown has just covered all our Xmas bloom. This will take hours of work to clean and will never be right. 52 degrees outside necessitates vents to be opened.
	Wednesday, Dec. 11	Gas and oil smoke very bad. Directly over greenhouses. Mild, heavy weather. —W.W.W.
	Thursday, Dec. 19	Smoke and gas very bad. Directly over greenhouses. —W.W.
30	Sunday, Dec. 22	Smoke and gas very bad last few days.
	Wednesday, Dec. 25	Gas and smoke bad. —W.W.
	Thursday, Dec. 26	Smoke and gas very bad. —W.W.
	Friday, Dec. 27	Smoke and gas directly over greenhouse. —W.W.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 67  
Plaintiff's  
Diary for  
1946  
Continued*



(Exhibit No. 68)

EXTRACTS FROM THE DIARY OF W. W. WALKER  
Year 1947

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 68  
Plaintiff's  
Diary for  
1947*

- Monday, Gas and oil and smoke very bad. —W.W.  
January 20
- Friday, Mild weather. Gas, oil and smoke very bad. —W.W.  
January 24
- Monday, Gas directly over greenhouses today, also smoke. —W.W.  
January 27
- 10 Tuesday, Gas and oil very bad. Soft weather, directly over  
January 28 greenhouses. —W.W.  
Wednesday, Oil, gas and smoke bad over greenhouses. —W.W.W.  
March 19
- Thursday, Gas, oil and smoke directly over greenhouses, very  
March 20 bad. —W.W.W.
- Tuesday, Mr. F. called. West wind. Spring. Dirt, oil and  
April 22 their gas is always followed up. They must have a  
lot more steel in as the hammers are shaking the  
place as much as wartime.—J.H.W. per W.W.
- 20 Wednesday, Southwest wind. Gas, oil and smoke as bad as we  
April 23 have ever seen it. The debris from all of General  
Motors is being layed down upon us today.
- Thursday, This morning the houses are right filled with gas,  
April 24 you can taste it very badly. Wind is southwest  
again. All our Mother's Day stock and spring  
stock is marked.
- Tuesday, Gas, oil and smoke extra bad today and holding  
April 29 close to ground. —W. Walker.
- 30 Wednesday, Gas, oil and smoke extra bad again today and low,  
April 30 muggy weather. —W. W. Walker.
- Thursday, Gas, oil and smoke very bad today again. —W. W. Walker.  
May 1
- Monday, 7 A.M. Gas, oil and smoke very low and directly  
May 5 over greenhouses. —W.W.W.
- Park, Duff, Grey and Mr. Tennyson Jarvis here  
while gladioli planted in front lot.
- Monday, Gas, oil and smoke very bad directly over green-  
May 12 houses. —W.W.W.
- 40 Southwest wind. All the smoke, gas and oil is very  
low down today. —J.W.
- Tuesday, Very muggy today. Still southwest wind. Gas, oil  
May 13 and smoke still coming over. Thank goodness not  
quite as bad as the 12th of May, yesterday. That  
was, I believe, the worst yet.  
—J.H.W. per W.W.

- Wednesday, May 14 Slight effects of gas on gladioli beginning to show. This should be Wednesday, June 11.—W.W.W.
- Friday, May 16 Effects of gas on gladioli getting worse. Should be Friday, June 13. —W.W.
- Friday, May 23 Southwest wind. Smoke exceptionally bad, with wind. A lot of that gray ash is coming in the vents today. You can actually taste the gas today. —J.H.W. per W.W.
- 10 Wednesday, June 11 Southwest wind. Very *bad*, gray ash larger than full-size match heads coming over here. Smoke and gas striking our young double begonias. All bedding has got to be washed.—J. Walker.
- Friday, June 13 Effects of gas showing quite plain on gladioli. Getting worse. —W.W.
- Saturday, June 14 Gladioli very bad. Effects of gas plain now. —W.W.
- Monday, June 16 7 A.M., gas, oil and smoke very bad today. —W.W.
- 20 Monday, July 14 Gas and oil smoke directly over greenhouses. —W.W.
- Monday, July 21 7 A.M., gas and oil directly over greenhouses. —W.W.W.
- Thursday, July 24 Gas and oil smoke very bad all day. Directly over greenhouse. Took photos of stack *foundry* and gladioli planting and also lily valley plantings today. —W.W.W.
- Friday, July 25 Gas and oil directly over greenhouses today. —W.W.
- 30 Saturday, July 26 McKinnon Industries closed today till after Civic Holiday.
- Thursday, July 31 Mr. Jarvis here today. Examined gladioli, also glads in McKinnon's plot. Took his photo in our plot and also standing in front of McKinnon's plot.
- Monday, August 25 McKinnon's started up operations again but foundry on a very small tonnage. —W.W.
- Saturday, August 30 Noticed today that McKinnon's had cut all spikes with the most damaged foliage from their test plot on Warren Axe & Tool grounds, also cut all glads from round bed in front of forge shop on Ontario Street which were extra bad. —W.W.W.
- 40 Thursday, Sept. 11 8 A.M. Gas and oil directly over greenhouses. —W.W.
- Friday, Sept. 12 8.30 A.M. Gas and oil directly over greenhouses. —W.W.W.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 68  
Plaintiff's  
Diary for  
1947  
Continued*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 68  
Plaintiff's  
Diary for  
1947  
Continued*

- Saturday, Sept. 13 Operator of big hammer in forge plant, Matt O'Hara, stated reason we are not getting so much oil smoke, operator of fire had instruction to turn oil on gradually, not as formerly when he opened valves in full. —W.W.
- Sunday, Sept. 14 Cyclamen in upper house are beginning to show effects of gas. Leaves turning yellow.—W.W.
- Monday, Sept. 15 8.30 A.M. Gas and oil directly over greenhouse. —W. W. Walker.
- 10 Tuesday, Sept. 16 8.30 A.M. Smoke and gas heavy directly over greenhouses. —W.W.
- Wednesday, Sept. 17 8.30 A.M. Gas and smoke directly over greenhouse. —W. W. Walker.
- Thursday, Sept. 18 Cyclamen plants in upper house getting very bad yellow leaves from effects of gas. Look like a total loss. —W.W.
- Tuesday, Sept. 23 8.45 A.M. Gas, oil and smoke coming southwest (very low) over greenhouses, also particles of gray ash—J.W. 3.30 afternoon. Gas and oil still over greenhouses. —W.W.W.
- 20 Friday, October 3 Gas and oil been very bad for past four days, directly over greenhouse. —W. W. Walker.
- Monday, October 6 Gas and oil directly over greenhouses bad.
- Tuesday, October 7 8 A.M. Gas and oil directly over greenhouses bad. Hard to breathe at times; unknown photographer taking pictures at 1.45 P.M. Very little gas coming out then. Took film shot 20 minutes before, then gas coming out brown. W.W.W. —W. W. Walker.
- 30 Monday, October 20 11.15 A.M. Smoke and gas coming over very heavily. Smoke is also quite low. —J.W.
- Monday, October 27 7 A.M. Smoke and gas extra heavy, coming directly over greenhouses.—W. W. Walker.
- Tuesday, October 28 8.20 A.M. Smoke and gas bad, coming directly over greenhouses. —W. W. Walker.
- Thursday, Nov. 6 8.20 A.M. Southwest wind. Gas, oil and smoke very bad, also very low —J. Walker.
- Tuesday, Nov. 25 West wind. Gas and oil very bad directly overhead. —J.H.W. — W.W.
- 40 Wednesday, Nov. 26 West wind again today. Gas, oil and smoke again directly overhead. —J.H.W. — W.W.
- Tuesday, Dec. 2 8.30 A.M. Gas and oil very bad directly over greenhouses, also oil from large puncher press. —W. W. Walker.
- Wednesday, Dec. 3 8.30 A.M. Oil and gas very bad directly over greenhouses, also oil from puncher press. —W. W. Walker.

(Exhibit No. 69)

EXTRACTS FROM THE DIARY OF W. W. WALKER  
YEAR 1948

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948*

- Wednesday, January 7  
10
- NOTE: Len Waters, florist of Toronto, and Felix Sonnevile called today. Mr. Waters remarked on the sulphur and other fumes. He was on the first investigation at the nickel mines at Sudbury. He said he recognized the gas fumes almost as soon as he left the Queen Elizabeth Highway,  $\frac{3}{4}$  mile north; gas was that way and heavy that day. Mr. Len Waters and Mr. Gard both on Sudbury investigations at nickel plant. Mr. Waters stated they had to move greenhouses to other locations.—W.W.
- Thursday, Jan. 15  
Friday, Jan. 16
- There has been oil and gas over the houses this week but only when wind from southwest or west, when oil comes over heavy from exhaust stack of large steam hammer and over in forge shop north of Carlton.—W.W.
- 20 Saturday, January 17  
Talked with Matt O'Hara, who runs one of the large machines in forge shop north of Carlton St. He explained the oil nuisance. The big 6,000-lb. hammer has cylinder oil forced in each time before operation. Then when hammer comes down, the surplus oil is forced out with the steam and blows wherever wind takes it. Also man who operates heating first sometimes turns oil on full, which causes the smoke screen. Usually oil is turned on gradually half hour before, heating up gradually, which greatly reduces unburnt oil.—W.W.
- 30 Monday, January 19  
Tuesday, January 20
- 8.30 A.M. Oil and gas directly over greenhouses this morning.—W.W.
- NOTE: Mr. Leslie Dwyer, who lives one mile north of McK. Industries, and who has travelled the Ontario St. part of McK. I., said today that this gas-oil haze was directly over the greenhouses and worst he had ever seen. He can also vouch for oil condition for past 10 years, as he brought his son and daughter to school every day.—W.W.
- 40 Wednesday, January 21  
Sunday, January 25
- NOTE: Man killed in January, 1945. Was overcome by monoxide gas in cupola when trying to hook on chain that had become loose.—W.W.
- NOTE: Frenchman used to turn oil on heavy and let smoke and oil go. Now he comes earlier in the morning and turns oil on gradually, thus stopping such heavy smoke, and bunker oil is now used. Creates more smoke. Believe they changed from

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948  
Continued*

- fuel oil about two years ago. —W.W.  
Very little smoke when fuel oil was used compared to bunker oil.  
Gas and oil very bad directly over greenhouses. —W.W.
- Friday, January 30 8.30 A.M. Gas and oil very bad directly over greenhouse. Wind southwest. —W.W.W.  
1.45 P.M. Wind shifted, oil and gas changed. Wind northeast. —W.W.W.
- 10 Monday, Feb. 9 8.30 A.M. Very mild. Gas and oil directly over greenhouses. —W.W.W.
- Wednesday, March 3 8.30 A.M. Weather bad, raining, gas and oil directly over greenhouses.  
NOTE: Several other days between Feb. 10 last entry and today, gas and oil bad and over greenhouses. —W.W.W.
- Thursday, April 1 Gas very bad all day. Just blue haze all through the greenhouses. —W.W.W.
- 20 Monday, April 5 8.30 A.M. Muggy day; gas and oil very bad directly over greenhouses. —W.W.W.
- Friday, April 30 The last three weeks of April fair. Very little gas or oil over greenhouses, as winds were mostly southeast or northeast so not over greenhouses. —W.W.
- Saturday, May 1 NOTE: Was informed today that a solution was being introduced by spraying inside cupolas to deaden effect of sulphur gas. (Believe soda ash is the solution.) Will check this. Later: Soda ash is correct. —W.W.W.
- 30 Monday, May 3 8.20. NOTE: Noticed Mr. Jackson today digging up tulip bulbs in front of old plant west side Ontario St. Bulbs never matured, as movie will show. —W.W.
- Wednesday, May 5 NOTE: 8.20 A.M. Noticed today Mr. Jackson planting annual plants where he removed tulips from; this planting usually done about May 20 to 29. —W.W.
- 40 Thursday, May 6 NOTE: Was informed by a forge worker who has been over 10 years in forge shop that live oil is used to oil the heavy hammers and with the escape of steam the surplus is blown in air. Later informed same man ends of exhausts capped and oil kept on McK. I. grounds. —W.W.
- Saturday, May 8 NOTE: One of the oldest workers in forge shop says that oil smoke much worse since they started to use cheaper oil (bunker oil). They formerly used fuel oil, only half the fumes and smoke.—W.W.

- Sunday, May 9 NOTE: Tom Cook, Supt. of McK. Industries; Dr. Berkley, head Research Dept. here; Palmer, Vine-land Experimental Farm; Lance Dunn, local florist conducting experiments in outside growing for McK. Industries—all members of Rotary Club here.
- Saturday, May 15 So far this month, with mostly southeast and north-east winds, very little gas, oil have come over green-houses. —W.W.
- 10 Friday, May 21 8 A.M. Gas and oil over greenhouses this morning. Joe Wiley said he could taste it over on York St. very strong. —W.W.
- Wednesday, May 26 Gas and oil very bad directly over greenhouses. —W. W. Walker.
- Friday, May 28 Gas and oil coming over bad in afternoon. —W.W.W.
- Tuesday, June 1 Gas and oil coming over this morning; placing the tubes with chemicals today. —W.W.W.
- 20 Friday, June 4 8 A.M. Gas and oil very bad. Directly over green-houses. 2.30 P.M. Gas and oil still over green-houses very bad. Over eight hours here.—W.W.W.
- Thursday, June 10 8.30 A.M. Gas and oil directly over greenhouses.
- Friday, June 11 Mr. Jarvis here; found bleaching on glads and barley. Glads in round bed in front of tank at McKinnon's forge plot show bleaching and took pictures. Night watchman at Warren Pink Co. told me tonight gas very bad last night.—W.W.W.
- 30 Sunday, June 13 Took photos of beds before tanks on Ontario St. and round bed at south end has a number of very bad gas-touched glads. Jack Campbell in photo.
- Monday, June 14 8 A.M. Oil and gas very bad. Extra heavy. Directly over greenhouse. Took movie also of cotton house. On Nov. 9 called Mr. J. Watson, weather bureau. He states on Monday, June 14, noon reading was west. This date when heaviest burning 1948 took place.—W.W. (added in afterward).  
Joe Scott, tenant at greenhouse, stated gas so bad could hardly breathe. —W.W.
- 40 Tuesday, June 15 Mr. J. Watson told me Nov. 9, 1948, direction of wind at noon was northwest. Check for gas and wind D. —W.W.
- Wednesday, June 16 Check for gas and wind direction.  
Mr. J. Watson told me Nov. 9 that, checking his chart, wind on June 15 was northwest.—W.W.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948  
Continued*

- Thursday,  
June 17 8.20 A.M. Gas and oil directly over greenhouses this morning. Late today, 5 P.M.—Noticed they had set gladioli in beds in front of gas tank on Ontario. All beds, all old glads and new glads very bad gas burned. —W.W.W.
- Friday,  
June 18 9 A.M. Came this a.m. to take photo of glads burned bad. Gardener had already dug them up. Mr. Jackson very busy after 9 A.M. digging up gladioli, south wall of Delco plant. Mr. Cooper took photos of this plot. These not burned as bad as others, as protected by wall at back.—W.W.
- 10 Saturday,  
June 19 Mr. George Hakson, night watchman, stated Wed. or Thurs. night gas so bad he could not sit out doors. —W.W.
- Sunday,  
June 20 NOTE: On Sunday, June 13, took movies, J. Campbell, in both of beds in front of forge shop. Glads in one bed badly burned. NOTE: On Thursday, June 17, 1948, noticed that they had re-planted all these beds with heavy started gladioli which all had been burned the worst I ever saw on first burn. Brought J. Cooper down next morning, Nov. 18, to take movies but they had been removed, but took gardener removing glads from other beds. —W.W.W.
- 20 Monday,  
June 21 Gas very bad, particularly as reported by Jack Walker at 6.15 A.M.—J. Walker.—W.W.W.
- Tuesday,  
June 22 Gas again very bad as reported at 6.14 A.M. 8.30—Wind shifted to east. —W.W.W.  
J. Walker — W. W. Walker.
- 30 Wednesday,  
June 23 8.30 A.M. Gas and oil very bad directly over greenhouses. Took photo of beds in front of gas tanks on Ontario St. Glads was removed last Friday, June 18, and geraniums planted in beds yesterday, Tuesday, July 22. Took photo today, G. Thomas in inset. —W.W.W.
- Thursday,  
June 24 Jack Walker again reports extra lot of gas from cupolas at 6 to 6.15, when they start fire. —J. Walker — W.W.
- 40 Friday,  
June 25 Gas and oil very bad over greenhouses. —W.W.
- Saturday,  
June 26 Mr. Jarvis down; saw the gladioli and other stock. Took notice and samples of stock affected on Mr. Matossian's and next door neighbour, also noted stock affected and took samples of trees on Garden Place, on Mr. Krikorian's place, Corner Garden Place and Carlton. —W.W.W.



- Sunday, June 27 Jack Cooper down and took reel movie of Matossian and next door neighbour damage, also of me, W. W. Walker, taking samples of damaged branches and putting in box for sending away to our chemist, McAlpine. —W.W.W.
- Monday, June 28 Gas and oil right over greenhouses. Mrs. Matossian said so bad early aft. 6 A.M. the house filled with it—could hardly sleep or breathe.—W. W. Walker.
- 10 Tuesday, June 29 NOTE: George Hinton, night watchman at Warren Pink Co., across the road from greenhouse, and also my night man, who lived alongside greenhouses for 20 years, will both vouch when foundry is operating at night sometimes they have to go in shipping rooms as they can hardly breathe in the open. —W.W.
- Wednesday, June 30 Smoke and gas very bad today. Coming directly over orchid house. Time now 10 A.M. and still very bad. —J.W.
- 20 Thursday, July 1 Factory closed. Holiday. —W.W.
- Friday, July 2 Gas and oil directly over greenhouses this A.M. Checked in morning and afternoon with tubes, also took soil from in front of greenhouse down to Dwyer's and planted glads in it. George and Joe took movies of them also at Dwyer's.—W.W.W.
- Monday, July 5 8.10. Gas and oil over greenhouses. Weather very sultry. —W.W.W.
- 30 Friday, July 9 8.10 A.M. Gas and oil very bad directly over greenhouses. Took down soil and new glads and planted same at L. Dwyer's. Joe Scott and George Thomas helped. Took movies. Glads small, about one-inch size. Poor quality. —W.W.
- Monday, July 12 6.30 A.M. Gas and oil very bad directly over greenhouses. Looks like rain. —W.W.
- Wednesday, July 28 Already you can notice the increased new growth in outside stock since McKinnon Industries has been closed down.
- 40 Saturday, October 9 NOTE: Supt. Bert Gray of the Parks today inspected the plants and growing stock and could hardly believe that there could be such a difference with McKinnon not operating. (They are on strike yet.) —W.W.W.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948  
Continued*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948  
Continued*

- Sunday, October 10 Mr. S. Goutby here and made survey; could hardly believe that with the McKinnon Industries closed down only about 12 weeks so much of an improvement could take place in everything except begonias, Lady Mac, which still have not recovered from bad effects of gas before shutdown. He particularly noticed fine growths on all orchids and extra number of bloom and sheath spikes.—W.W.
- 10 Thursday, October 14 McKinnon's have had fire lit in powerhouse. Some smoke again from the large stack. (Strike still continues.) —J. Walker—W.W.
- Monday, Nov. 1 McKinnon's called men to report for work today.
- Tuesday, Nov. 2 McKinnon Industries resumed operation today. Heavier production later as they get set. —W. W. Walker.
- Thursday, Nov. 4 Gas and smoke directly over greenhouses today. —W.W.
- 20 Friday, Nov. 5 8.30 A.M. Gas and oil over greenhouse today. Notice yesterday plants had been removed from beds in front of forge shop. They had made very poor growth. —W.W.W.
- Monday, Nov. 8 8.20 A.M. Gas and oil smoke very bad. Directly over greenhouses. 10.45 A.M. Gas and oil still over greenhouses. —W.W.
- Tuesday, Nov. 9 7.00 A.M. Gas and oil and forge shop smoke over greenhouses. Called Mr. J. Watson, Government Weather Bureau, today regarding winds on June 13, 14, 15, 16—direction. Have made notes of same. —W.W.
- 30 Thursday, Nov. 11 8.20 A.M. Gas and oil very bad. Directly over greenhouses. 11.30, gas and oil still bad over G.H.—X. 2.30, gas and oil very bad yet. Ruth down to see Mrs. J. Scott, Mrs. Leita Marshall, and Mrs. J. Scott drew Ruth's attention how bad gas was. This runs gas over 8 hours.—W.W.
- Tuesday, Nov. 16 8 A.M. Gas and oil west down Carlton Street, fumes bad over upper house. —W.W.
- 40 Wednesday, Nov. 17 8.20 A.M. Gas and oil west down Carlton Street, changing to northwest later. —W.W.
- Monday, Nov. 22 8 A.M. Gas and smoke very bad over greenhouses. —W.W.W.
- Tuesday, Nov. 23 8.10. Gas and oil very bad but slightly northwest. But air bad over greenhouses. —W.W.

Sunday, Dec. 5 Begonias, particularly Lady Mac, and cyclamen, also azaleas, are beginning to show effects of gas and oil. *Old fresh look* that they got when foundry was closed down leaving. Also foliage beginning to get dirty and oily. —W.W.

Wednesday, Dec. 8 8 A.M. Gas and smoke bad. Wind almost west. —W.W.

Thursday, Dec. 9 8.20 A.M. Gas and oil and smoke very bad. Slightly northwest, but air over greenhouses a blue haze. —W.W.W.

10 Friday, Dec. 10 8.20 A.M. Gas and oil bad. Wind almost west, but air over greenhouse very bad and a blue haze. —W.W.

Saturday, Dec. 11 8.15. Gas and smoke extra heavy. Winds almost west. Foundry, I am informed, back to usual hours now. W.W.

Sunday, Dec. 12 Stock in upper houses are beginning to show effect of gas and oil for past four days. —W.W.

20 Tuesday, Dec. 14 8.10 A.M. Gas and oil very bad. —W.W.

Wednesday, Dec. 22 7 A.M. Gas and oil very bad over greenhouses. Wind shifted a little more southwest. 3.30 P.M., gas and smoke very bad over greenhouse. Dust, gas and smoke still bad. This the worst day since Dec. 1, 1948.

Friday, Dec. 24 7 A.M. Gas and oil very bad over greenhouses. —W.W.

30 Saturday, Dec. 25 Xmas day. Note most of our azaleas: Azaleas which had begun to show signs of gas and oil getting so bad expect to lose 80 of same, as I could not offer them in such a condition. —W.W.

Sunday, Dec. 26 Notice Lady Mac begonias and azaleas almost a total loss. Will get Mr. Jarvis down tomorrow to examine them. —W.W.

Monday, Dec. 27 Had Mr. Jarvis down to look at damage to azaleas. Counted 42 select this year's plants lost. Also checked the Lady Mac.

40

42 azaleas at \$4.00.....	\$168.00
Had 150 plants at \$1.50.....	225.00
Also should have had 600 2½ begonias at 25c.....	150.00
	<hr/>
	\$543.00

The poorest begonias I've grown in 20 years.  
—W.W.

*In the Supreme Court of Ontario Plaintiff's Exhibit No. 69 Plaintiff's Diary for 1948 Continued*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 69  
Plaintiff's  
Diary for  
1948  
Continued*

Tuesday,  
Dec. 28

7 A.M. Gas and oil directly over greenhouses. Had George Thomas take a number of tests with vacuum suction machine every 30 minutes. Gas bad all day, still bad late afternoon. Jack Campbell had to throw out 52 more azaleas today from upper house, buds spoiled. Value: 52 plants at \$3.50, \$182.00.

Wednesday,  
Dec. 29

Threw out a further 52 azalea plants today, which were affected by gas at same time as others. Mr. Jarvis saw these. 52 azaleas at \$3.50, \$182.00. These had buds so badly burnt, would not develop, whereas a few in lower house that gas did not affect are coming on O.K. —W.W.W.

10

(Exhibit No. 70)

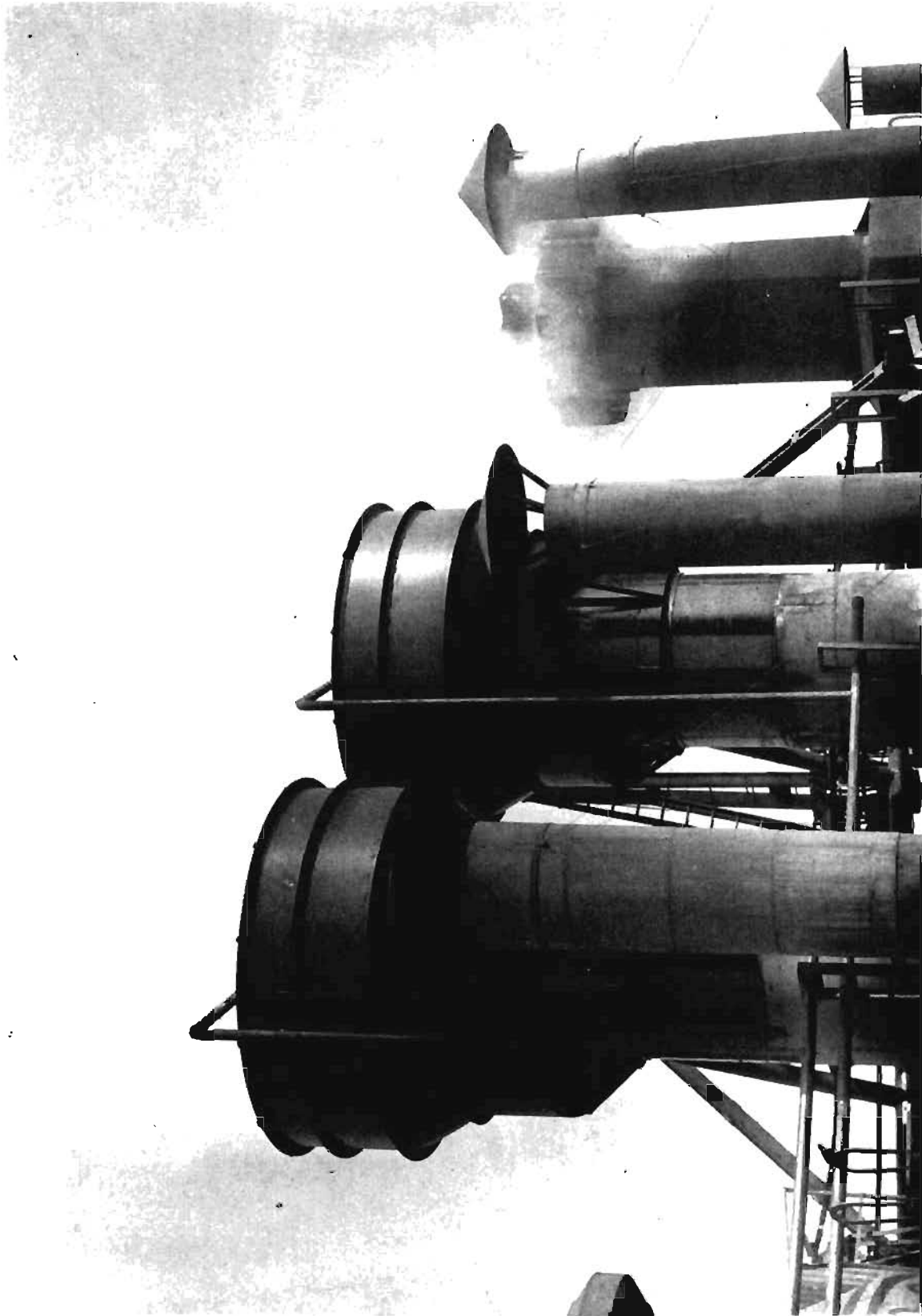
EXTRACTS FROM THE DIARY OF W. W. WALKER  
YEAR 1949

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 70  
Plaintiff's  
Diary for  
1949  
Continued*

	Monday, January 10	7 A.M. Gas and oil over greenhouses. —W.W.
	Wednesday, January 12	Gas and oil over greenhouses. Wind shifted. —W.W.
	Thursday, January 13	8.10 A.M. Gas and oil slightly northwest but shifted directly over greenhouses later. —W.W.
10	Friday, Feb. 11	A.M. Gas and oil over greenhouses but wind shifting.
	Monday, Feb. 14	A.M. Gas and oil over greenhouses. 12.30 P.M. Shifted to northwest. Cupola lit.
	Tuesday, Feb. 15	A.M. Smoke, gas and oil over greenhouses. Cupola lit. Smoke 5.50, flames 6.45.—Steves.
	Wednesday, Feb. 16	A.M. Smoke, gas and oil over upper greenhouse. Cupola lit. Smoke 5.50. —Steves.
	Thursday, Feb. 17	Was down at 5.45 A.M. Saw smoke and flames. —W.W.W.
20	Friday, Feb. 18	Cupola lit. Smoke 5.40 and flames.—Steves. Cupola lit. Smoke 5.40. —Steves.
	Monday, Feb. 21	Cupola lit. Smoke 5.35. —Steves.
	Tuesday, Feb. 22	Cupola lit. Foggie. —Steves.
	Wednesday, Feb. 23	Cupola lit. Smoke 5.45. —Steves.
30	Thursday, Feb. 24	Cupola lit. Smoke 5.45. —Steves.
	Friday, Feb. 25	Cupola lit. Smoke 5.45. —Steves.
	Monday, Feb. 28	Very little gas and oil over greenhouses last few days. Understand lack of pig iron to operate in full. —W.W.
	Tuesday, March 1	Cupola lit. Smoke 5.40. —Steves. 8.20 A.M. Gas and oil over greenhouses. Cupola's smoke and gas heavier. Cupola lit. Smoke 5.40. —Steves.
40	Wednesday, March 2	Smoke 5.40. —Steves.
	Thursday, March 3	Smoke 5.40. —Steves.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 70  
Plaintiff's  
Diary for  
1949  
Continued*

	Friday, March 4	Smoke 5.40. —Steves.
	Tuesday, March 8	8.30 A.M. Gas and oil bad right over greenhouses. —W.W.W. Smoke 5.45. —Steves.
	Wednesday, March 9	Couldn't see.
	Thursday, March 10.	Smoke 5.45. —Steves.
10	Monday, March 14	Smoke 5.45. —Steves.
	Monday, March 21	8.15 A.M. Gas and oil over greenhouses very bad. Weather mild and damp. George took tests for gas with tubes; sent same to McAlpine. 3.30 P.M. Wind shifted. —W.W.
	Tuesday, March 22	8.30 A.M. Gas and oil very bad over greenhouses. Raining and blue haze close to giving.—W.W.
	Monday, March 28	8.10. Gas and oil just south of Carlton Street. —W.W.
20	Monday, April 4	Gas and oil over greenhouses for short periods this week. —W.W.



*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 71  
Photo  
showing  
Defendant's  
cupolas*

EXHIBIT No. 71  
Photo showing cupola stacks.



(Exhibit No. 72)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 72  
Analysis of  
Tienken  
16th Aug.,  
1948*

being extracts from letter of August 16, 1948, from Harry G. Tienken, containing in this exhibit, as directed by the Chief Justice, only the technical results of the analysis made by Mr. Tienken.

10 "On two samples I received Aug. 11, 1948, one marked 'off top of different greenhouses' had a pH of 5.9, while the one marked 'lots off of plants inside greenhouses' had a pH of 5.7. The pH system of acid or alkali testing is very accurate, with pH 7.0 being neutral; pH 6.5 to 6.9, slightly acid; 5.3-6.4, medium acid; pH 4.5-5.2, strongly acid; pH 4.5 and lower, very strongly acid . . .

" . . . The composite of both samples is—

Calcium as CaCO <sub>3</sub> .....	14.27%
Iron as Fe <sub>2</sub> O <sub>3</sub> .....	44.28%
Ash insoluble in acid (SiO <sub>2</sub> ) .....	11.03%
Ignition loss .....	25.77%
Carbon .....	16.42%
Manganese .....	.14%
20 Sulphur as H <sub>2</sub> SO <sub>4</sub> .....	1.56%”

NOTE: This exhibit as to form has been approved by counsel for both parties.

(Exhibit No. 73)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 73  
Analysis of  
Tienken  
6th Nov.,  
1948*

being extracts from letter dated November 6th, 1948, of Harry G. Tienken, covering samples taken by him personally on 25th October, 1948, from the Walker plant.

"On the samples taken the analyses are—

	Off Plants in Greenhouse	Off Greenhouse	Off Cloth House (dry)
Calcium as CaCO <sub>3</sub> .....	14.42	13.87	14.01
Iron as Fe <sub>2</sub> O <sub>3</sub> .....	43.97	44.52	44.33
10 Ash insoluble in acid SiO <sub>2</sub> .....	10.94	11.26	11.17
Ignition loss .....	25.61	25.64	25.72
Carbon .....	16.36	16.47	16.42
Manganese .....	.13	.17	.16
Sulphur as H <sub>2</sub> SO <sub>4</sub> .....	1.63	1.37	1.48"

NOTE: This exhibit as to form has been approved by counsel for both parties.

(Exhibit No. 74)  
Specimen Gladioli taken by Mr. Jarvis (not printed).

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 74  
(not printed)*

(Exhibit No. 75)  
Specimen Grape taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 75  
(not printed)*

(Exhibit No. 76)  
Specimen Lombardy Poplar taken by Mr. Jarvis (not  
printed).

*Plaintiff's  
Exhibit  
No. 76  
(not printed)*

(Exhibit No. 77)  
Specimen Sweet Peas taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 77  
(not printed)*

10 (Exhibit No. 78a)  
Specimen Sword Fern taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 78a  
(not printed)*

(Exhibit No. 78b)  
Specimen Sword Fern taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 78b  
(not printed)*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 79  
(not printed)*

(Exhibit No. 79)

Specimen Gladioli taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 80  
(not printed)*

(Exhibit No. 80)

Specimen Apricot taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 81  
(not printed)*

(Exhibit No. 81)

Specimen Peach taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 82  
(not printed)*

(Exhibit No. 82)

Specimen Gladioli taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 83  
(not printed)*

(Exhibit No. 83)

Specimen Apricot taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 84  
(not printed)*

(Exhibit No. 84)

Specimen Plum taken by Mr. Jarvis (not printed).

1323

(Exhibit No. 85)

Specimen Oats taken by Mr. Jarvis (not printed).

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 85  
(not printed)*

(Exhibit No. 86)

Specimen Barley taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 86  
(not printed)*

(Exhibit No. 87)

Specimen Plum taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 87  
(not printed)*

(Exhibit No. 88)

Specimen Peach taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 88  
(not printed)*

(Exhibit No. 89a)

10 Specimen Sword Fern taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 89a  
(not printed)*

(Exhibit No. 89b)

Specimen Sword Fern taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 89b  
(not printed)*

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 90a  
(not printed)*

(Exhibit No. 90a)

Specimen Grape taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 90b  
(not printed)*

(Exhibit No. 90b)

Specimen Grape taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 91  
(not printed)*

(Exhibit No. 91)

Specimen Gladioli taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 92  
(not printed)*

(Exhibit No. 92)

Specimen Peony taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 93  
(not printed)*

(Exhibit No. 93)

Specimen Garlic taken by Mr. Jarvis (not printed).

*Plaintiff's  
Exhibit  
No. 94  
(not printed)*

(Exhibit No. 94)

Specimen Day Lily taken by Mr. Jarvis (not printed).

(Exhibit No. 95)

Specimen of Apricot taken  $\frac{5}{8}$  of a mile from McKinnon's  
by Mr. Jarvis (not printed).

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 95  
(not printed)*

(Exhibit No. 96a)

Orchid leaf taken from plaintiff's greenhouse (not printed).

*Plaintiff's  
Exhibit  
No. 96a  
(not printed)*

(Exhibit No. 96b)

Orchid leaf taken from plaintiff's greenhouse (not printed).

*Plaintiff's  
Exhibit  
No. 96b  
(not printed)*

(Exhibit No. 98)

10 Pane of glass from Taylor's greenhouse, Lake Shore Road  
(not printed).

*Plaintiff's  
Exhibit  
No. 98  
(not printed)*

(Exhibit No. 99)

Pane of glass from plaintiff's cloth house, east side (not  
printed).

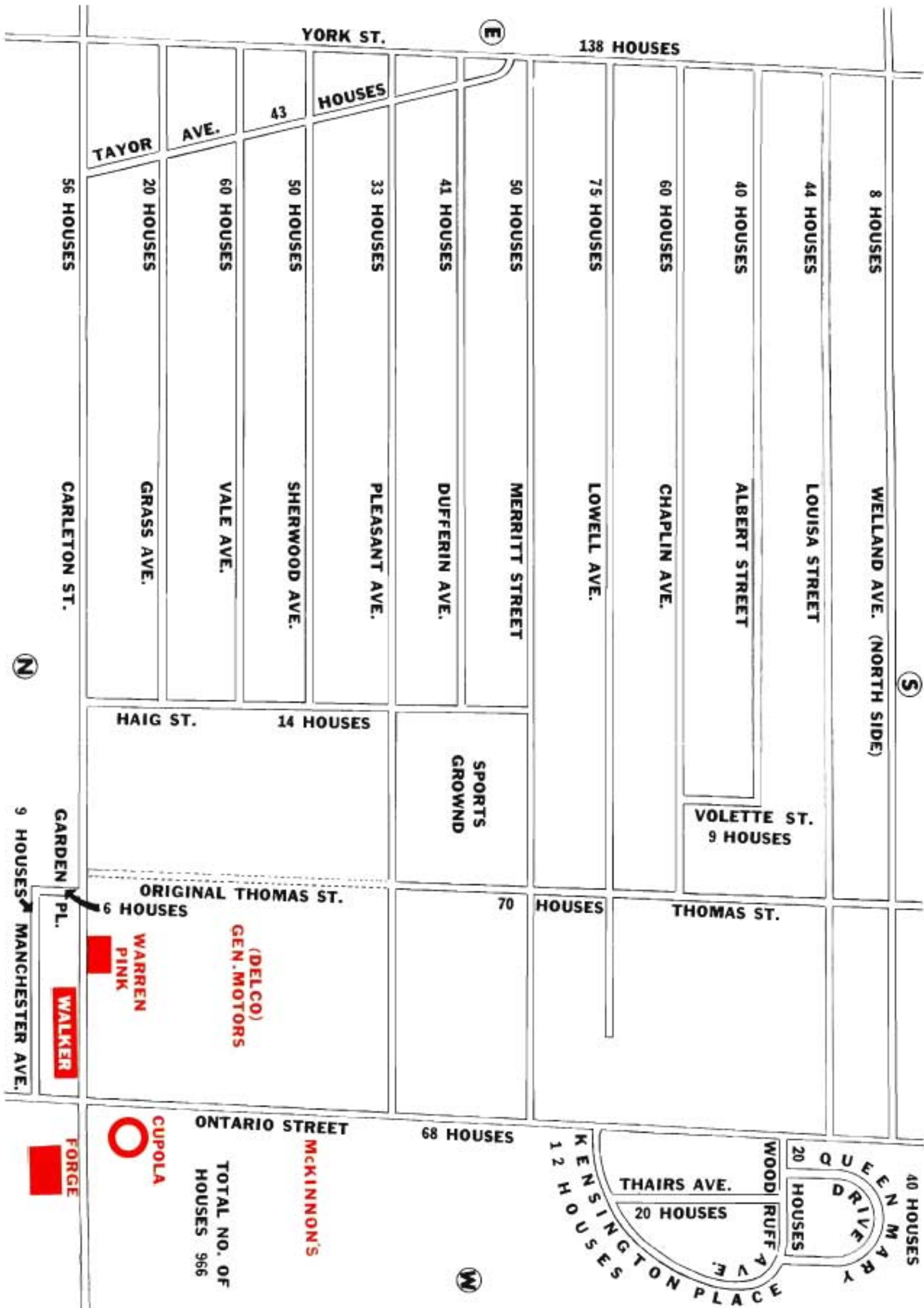
*Plaintiff's  
Exhibit  
No. 99  
(not printed)*

(Exhibit No. 100)

Pane of glass from east side of plaintiff's No. 7 greenhouse  
(not printed).

*Plaintiff's  
Exhibit  
No. 100  
(not printed)*





In the  
Survey  
Covered  
Ontario  
Parish  
No. 87  
Map of  
district  
prepared by  
C. W. H. H.  
showing  
location of  
houses

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 98 (a)  
Light graph  
referring to  
Exhibit  
No. 98*

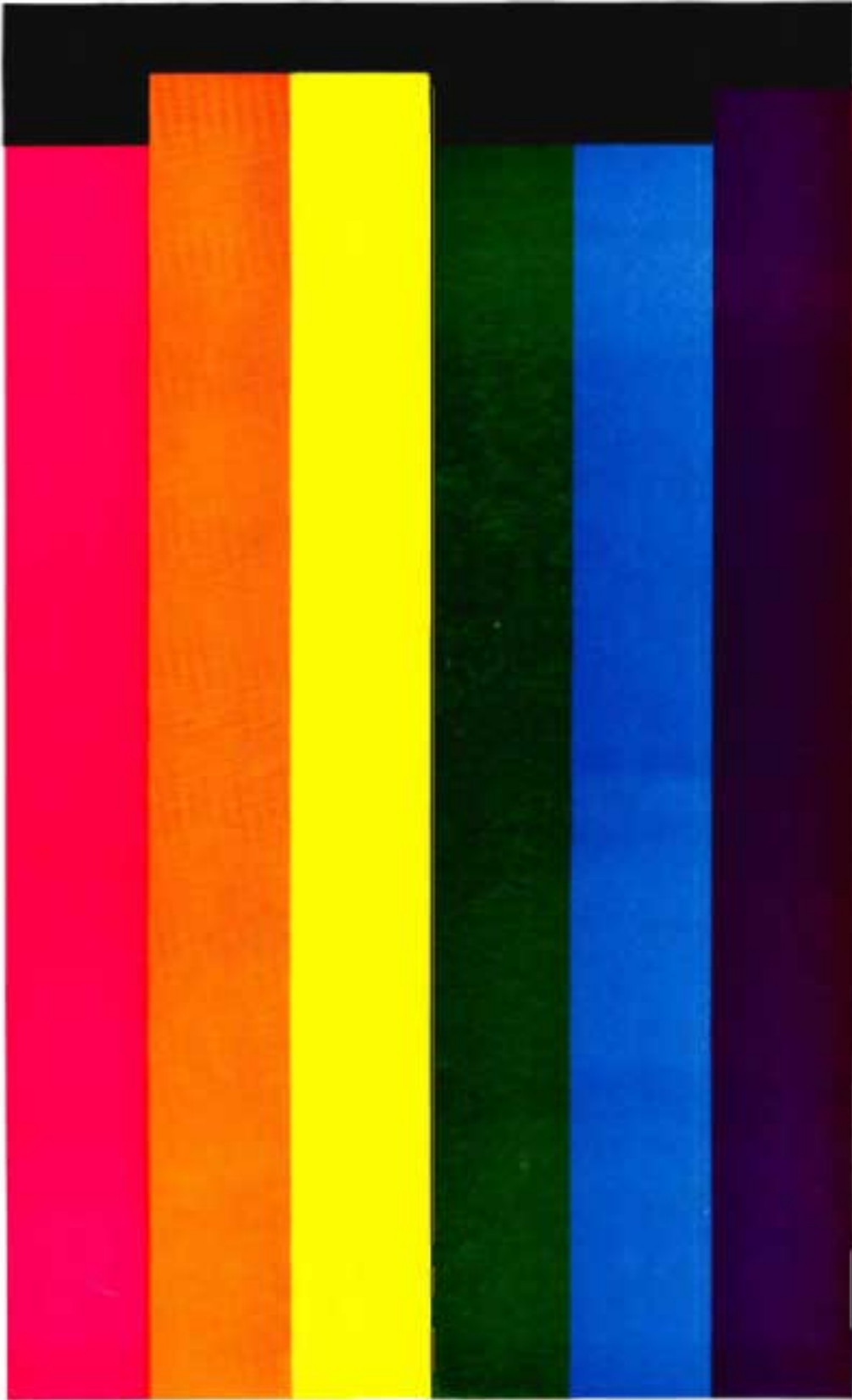


EXHIBIT No. 98 (a)

Glass taken by Mr. James Taylor from his own greenhouse  
on Lakeshore Road on April 21, 1949, at 9 a.m.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 99 (a)  
Light graph  
reference to  
Exhibit  
No. 29*



EXHIBIT No. 99 (a)  
Glass taken from east side of cloth house near south end.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 100 (a)  
Liquid graph  
relating to  
Exhibit  
No. 100*

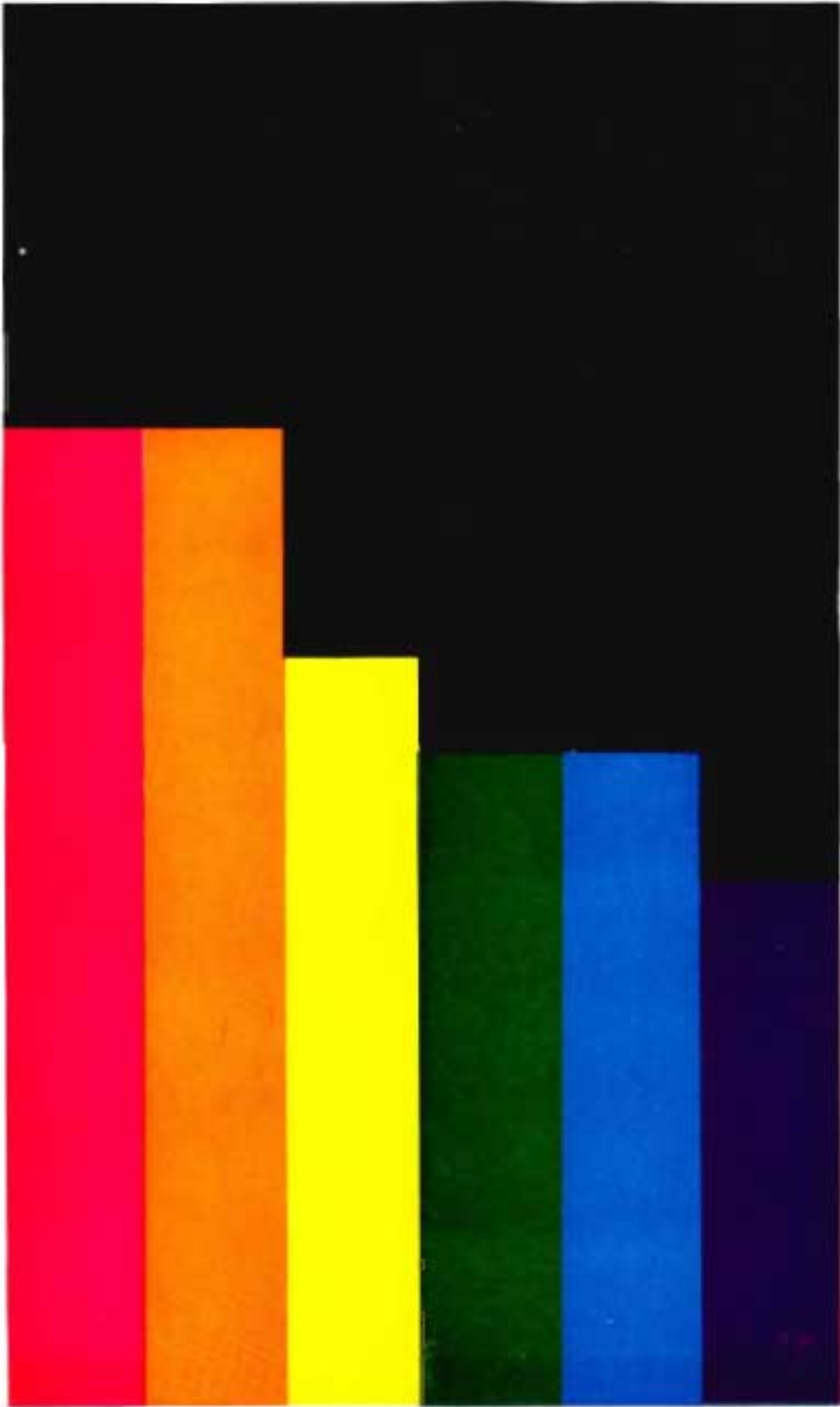
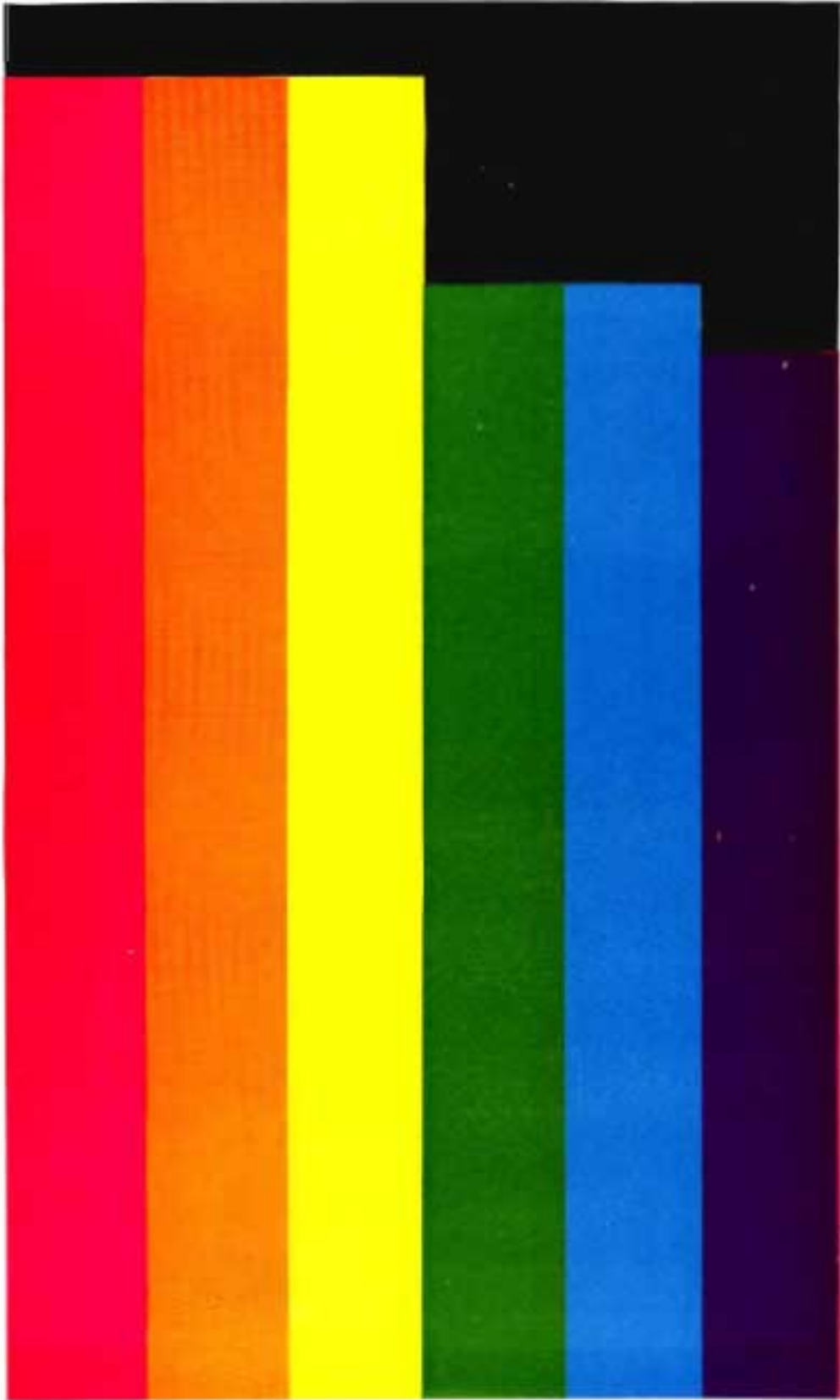


EXHIBIT No. 100 (a)  
Glass taken from south end roof of No. 7 greenhouse.  
(Glass No. 1)



*In the  
Supreme  
Court of  
Oahu  
Plaintiff's  
Exhibit  
No. 102 (a)  
Light graph  
reference to  
Exhibit  
No. 102*

EXHIBIT No. 102 (a)  
Glass taken from roof of W. B. Miller's greenhouse, April 21,  
1949, at 5.50 p.m.

(Exhibit No. 103)

TECHNICAL SERVICE LABORATORIES  
*Specialists in Spectrochemistry*  
 ANALYSIS — CONSULTING — SALES — SERVICE

P.O. Box 31, Station A

Toronto, Ontario

April 23, 1949.

*In the  
 Supreme  
 Court of  
 Ontario  
 Plaintiff's  
 Exhibit  
 No. 103  
 Burgener's  
 Report on  
 Test of  
 Glass  
 23rd April,  
 1949*

Mr. K. McAlpine,  
 Toronto.

Dear Sir:

10 The glass sheets received from you and Mr. Walker on the morning of April 22, 1949, were spectrophotometrically examined. The effect of the deposit on the glass on the quality of the light transmitted is shown below.

Quality of Light	Colour	Wavelength	% of Light Transmitted through Dirty Glass as compared with a Clean Portion of the Glass Sheet				
			Sample 1 (Ex. 99)	Sample 2 (Ex. 100)	Sample 3 (Ex. 101)	Sample 4 (Ex. 98)	Sample 5 (Ex. 102)
	Red	6500A	16%	70%	75%	90%	95%
	Orange	6000A	24%	70%	65%	95%	95%
20	Yellow	5800A	22%	55%	65%	95%	95%
	Green	5200A	20%	48%	67%	90%	80%
	Blue	4700A	17%	48%	50%	90%	80%
	Violet	4100A	8%	37%	43%	95%	75%

Sample 1—Glass taken from east side of cloth house near south end.

Sample 2—Glass taken from south end roof of No. 7 greenhouse, glass No. 1.

Sample 3—Glass taken from south end roof of No. 7 greenhouse, glass No. 2.

30 Sample 4—Glass taken by Mr. James Taylor from his own greenhouse on Lake Shore Road on April 21, 1949, at 9 a.m.

Sample 5—Glass taken from roof of W. B. Miller's greenhouse, April 21, 1949, at 5.50 p.m.

Each glass sheet was moved in a random manner during the course of its exposure to obtain an average value over the whole glass.

Yours very truly,

TECHNICAL SERVICE LABORATORIES

"JOHN E. BURGNER"  
 John E. Burgener

JEB/ERB

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 101  
(not printed)*

(Exhibit No. 101)

Pane of glass from plaintiff's No. 7 greenhouse, west side  
(not printed).

*Plaintiff's  
Exhibit  
No. 102  
(not printed)*

(Exhibit No. 102)

Pane of glass from Miller's greenhouse, Dufferin Street,  
Toronto (not printed).

*Plaintiff's  
Exhibit  
No. 104a  
(not printed)*

(Exhibit No. 104a)

Sample plant taken by Armour from plaintiff's greenhouse  
(not printed).

*Plaintiff's  
Exhibit  
No. 104b  
(not printed)*

(Exhibit No. 104b)

Sample plant taken by Armour from plaintiff's greenhouse  
(not printed).

*Plaintiff's  
Exhibit  
No. 104c  
(not printed)*

(Exhibit No. 104c)

Sample plant taken by Armour from plaintiff's greenhouse  
(not printed).

*Plaintiff's  
Exhibit  
No. 104d  
(not printed)*

(Exhibit No. 104d)

Sample plant taken by Armour from plaintiff's greenhouse  
(not printed).

*Plaintiff's  
Exhibit  
No. 104e  
(not printed)*

(Exhibit No. 104e)

Sample plant taken by Armour from plaintiff's greenhouse  
(not printed).

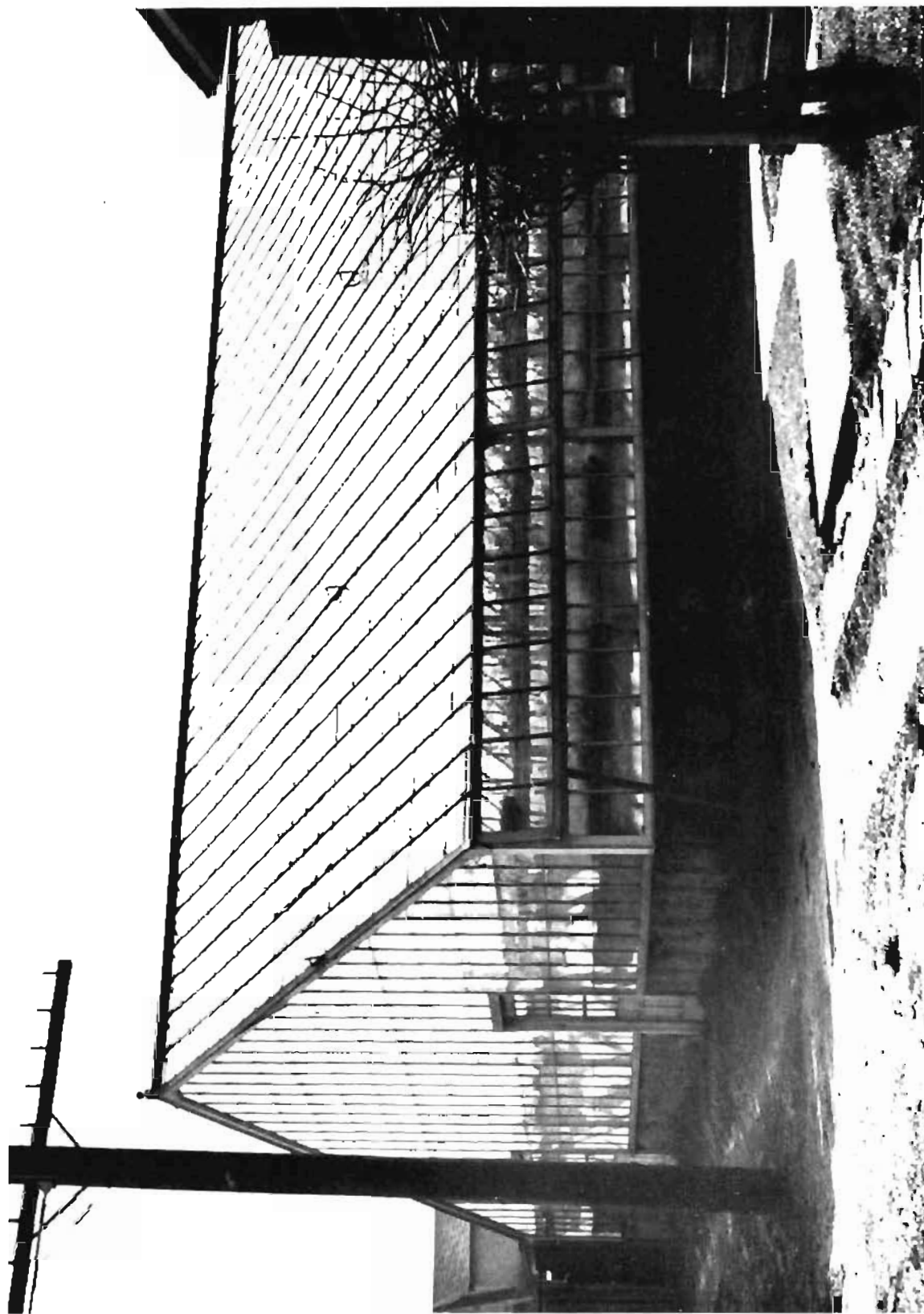
(Exhibit No. 105)

EXTRACTS FROM DIARY OF W. W. WALKER  
YEAR 1949 (Second Diary)

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 105  
Plaintiff's  
Diary for  
1949*

- Tuesday, April 12 } Vibrations from hammers these four days at  
Wednesday, April 13 } Court so did not check these days for gas, oil and  
smoke. —W.W.
- Tuesday, April 19 8.30 A.M. West wind. Gas and oil over. —W.W.
- 10 Wednesday, April 20 1.30 afternoon. Smoke and oil and blue haze bad over greenhouses. Mr. Jarvis down. Went down Johnson St. Haze almost southwest and over to staff houses. —W.W.
- Thursday, April 21 8.10 A.M. Gas and oil directly over greenhouses  
5 P.M. Oil smoke coming over.  
10.30. Oil smoke and hammers running.—W.W.
- Friday, April 22 6.30 A.M. South wind. Foundry not working.  
Hammers running. 4.30 P.M., wind shifting to southwest; forge shop running. 8 P.M., hammers running and oil smoke coming over.—W.W.
- 20 Saturday, April 23 }  
Sunday, April 24 } Have noticed for some days larger hammers appear to be running at night only.
- Monday, April 25 Early A.M. Gas, oil and smoke directly over greenhouses. Hammers running and vibration. P.M., 10.45. Hammers running and vibrations. —W.W.—W.W.
- 30 Tuesday, April 26 8.10 A.M. Gas and oil over greenhouses. Weather wet and muggy all day.  
9.45 P.M. Mr. Slaght and Mr. Ferguson and Miss Waters down. They saw vibrations of plants and felt shock of hammers and saw hammers running through open door of forge shop.—W.W.
- Wednesday, April 27 8.30 A.M. Gas, oil smoke and vibrations coming over. Mr. McAlpine and Mr. Goutby down and saw same, also damage to concrete walls on greenhouse and vibrations of same.





*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 106  
Photo of  
Plaintiff's  
No. 7  
greenhouse  
27th April,  
1949*

EXHIBIT No. 106  
Photo of Plaintiff's No. 7 Greenhouse.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 107  
Photo of  
Orchid  
plants*

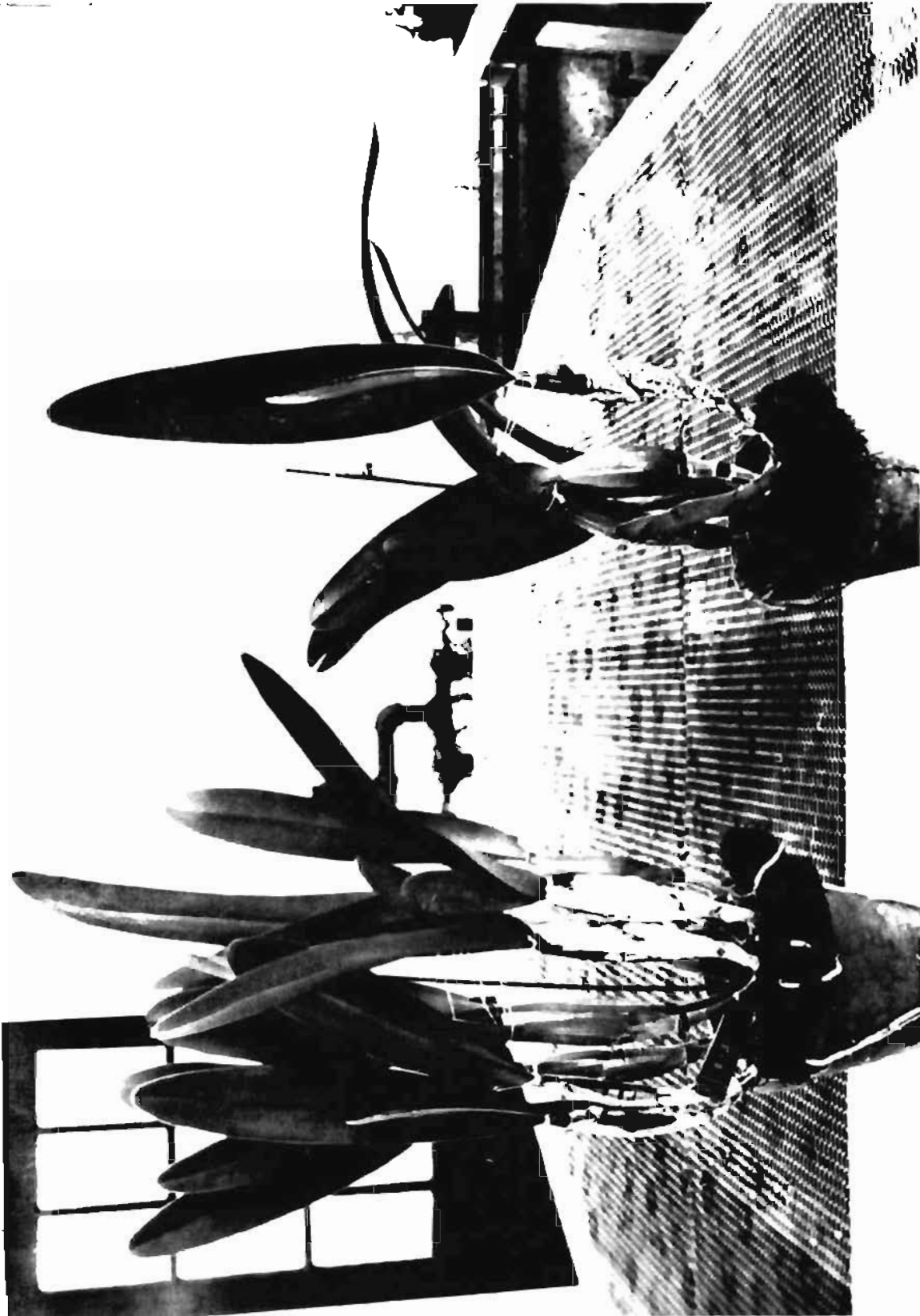
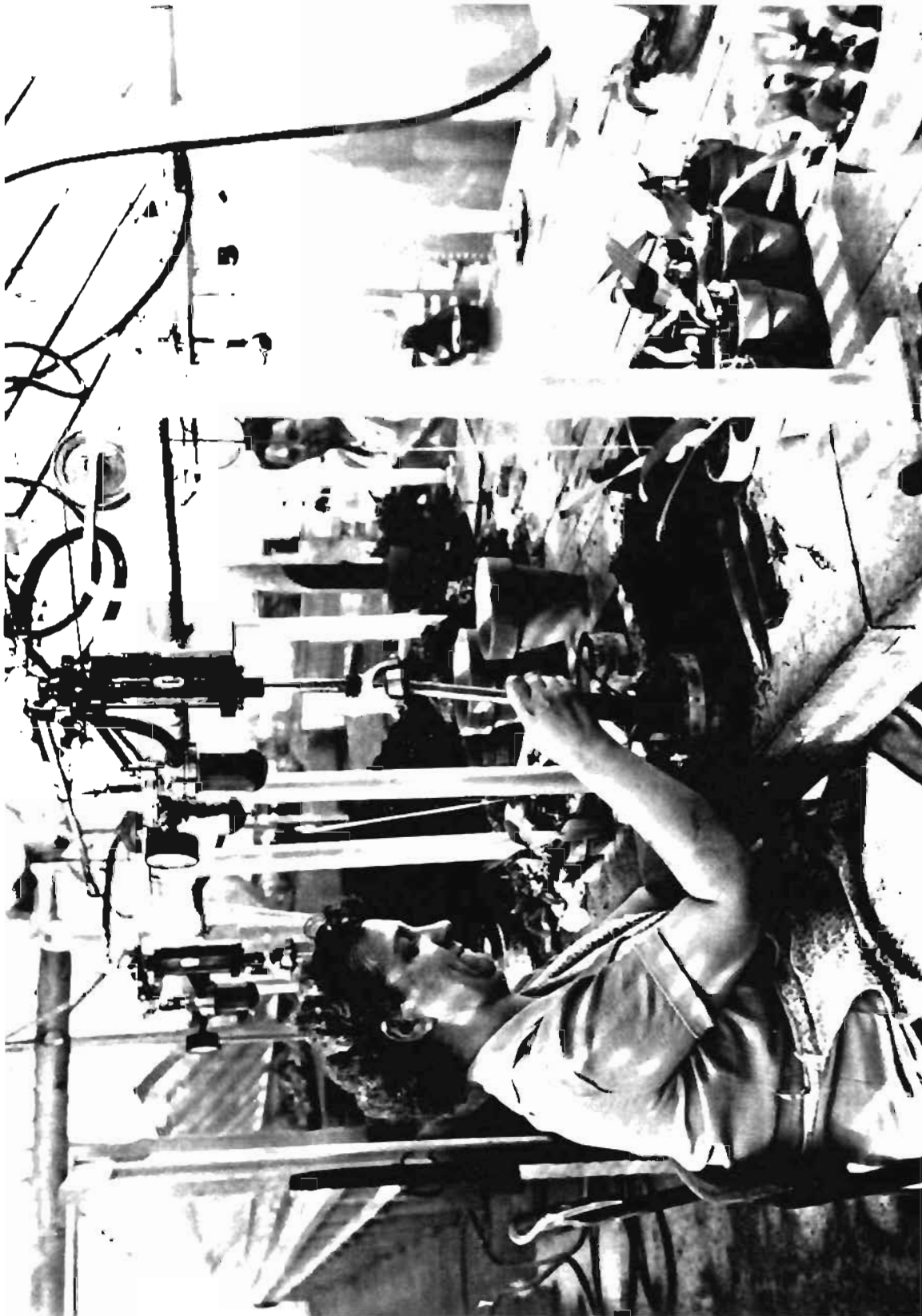


EXHIBIT No. 107

On reverse side appears:

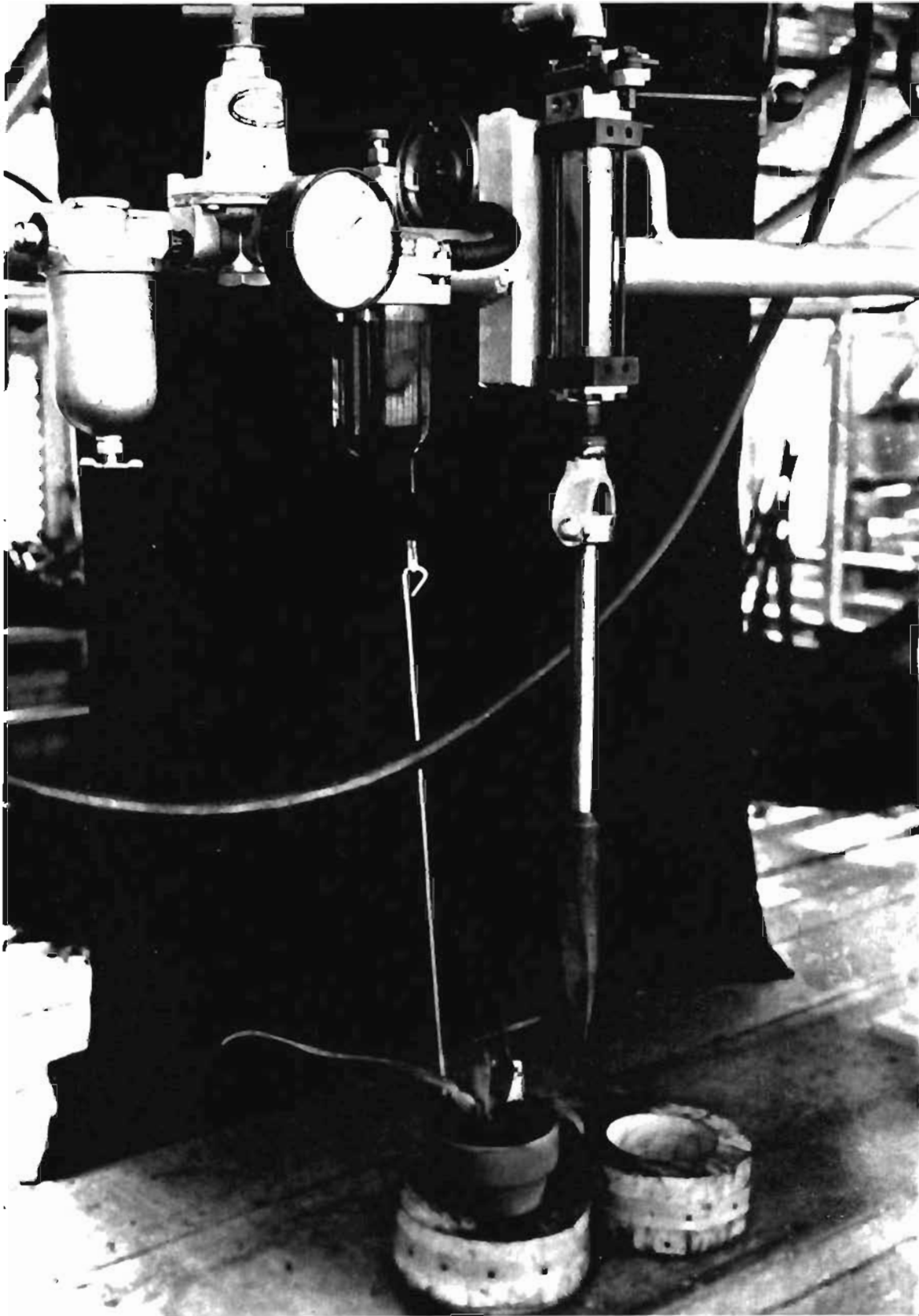
"Right: 6" Pot — *LeCanhamiana* containing (1) pre-blooming growth with (1) second growth. This plant cannot be divided into two plants after blooming. (to meet commercial standards). This plant contains only (7) bulbs."

"Left: This plant offers sufficient front and back bulbs to present a condition that will make two plants of favorable quality."



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 108 (a)  
Photo of girl  
operating  
potting  
machine*

EXHIBIT No. 108A  
Photo showing girl operating potting machine.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 108 (b)  
Photo  
showing  
potting  
machine*

EXHIBIT No. 108B  
Photo showing potting machine alone.

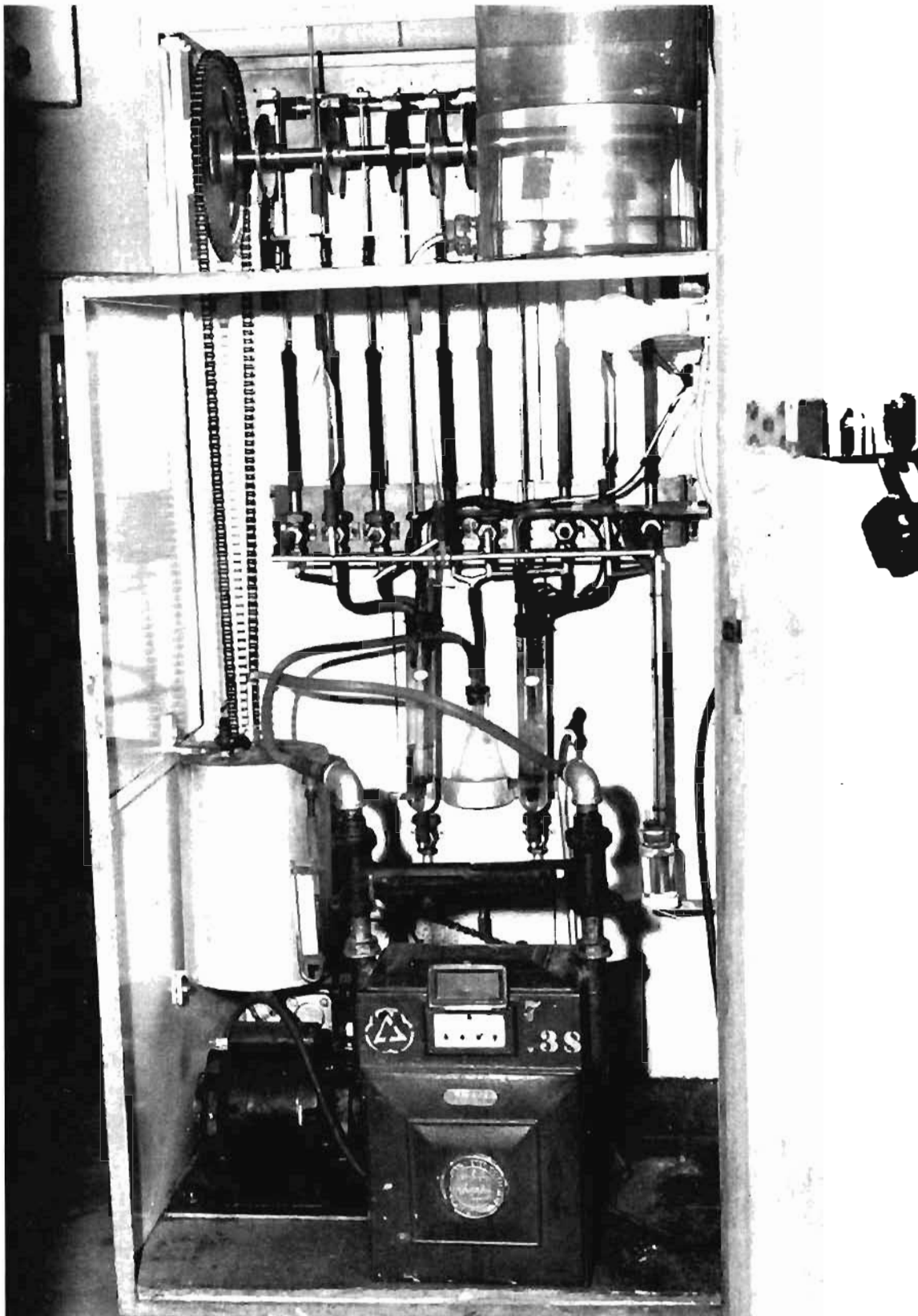


EXHIBIT No. 109

On reverse side appears:

"This plant was imported from the wilds in 1947 (June). Note the back bulbs; scars, tears, and insect markings; stubby growth. Note the front bulbs; they have become slender and in this case slightly shorter under normal cultivation at Boundbrook, N.J. The production yield at the Easter season was exceptionally high (1949). A change in the habit or form of growth does not prove that productivity has been reduced due to this change.

Thomas Young Orchids  
Aug. '48."



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 110  
Photo of  
inside of  
Defendant's  
test house  
30th Sept.,  
1946*

EXHIBIT No. 110

Photo inside of test house at Defendant's property taken  
September 30th, 1946.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 111  
Photo show-  
ing sulphur  
dioxide  
recording  
machine  
inside  
Defendant's  
test house  
30th Sept.,  
1946.*

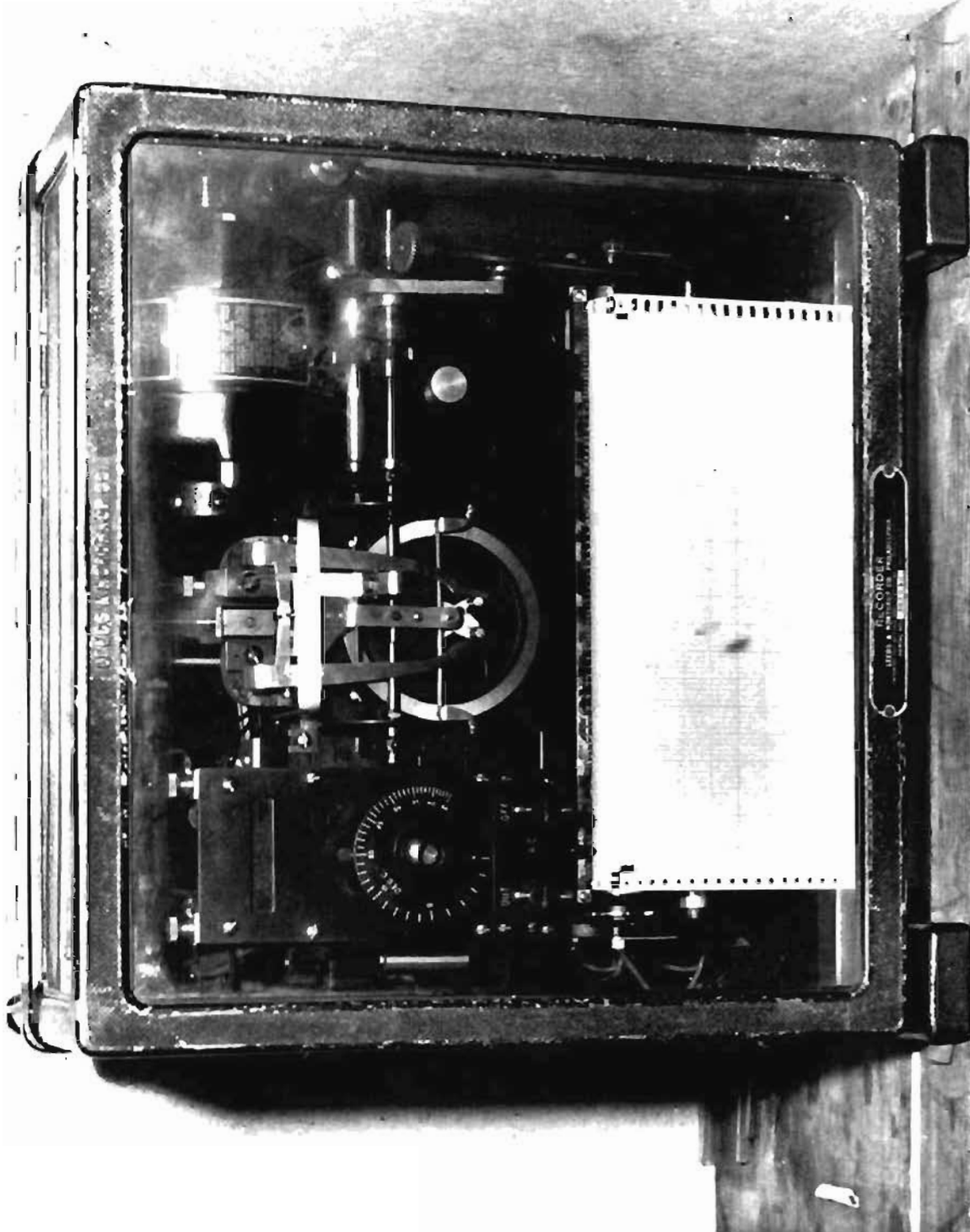


EXHIBIT No. 111  
Photo showing inside of test house at Defendant's property  
taken September 30th, 1946.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 112  
Photo of dust  
recording  
machine and  
equipment  
inside  
Defendant's  
test house*

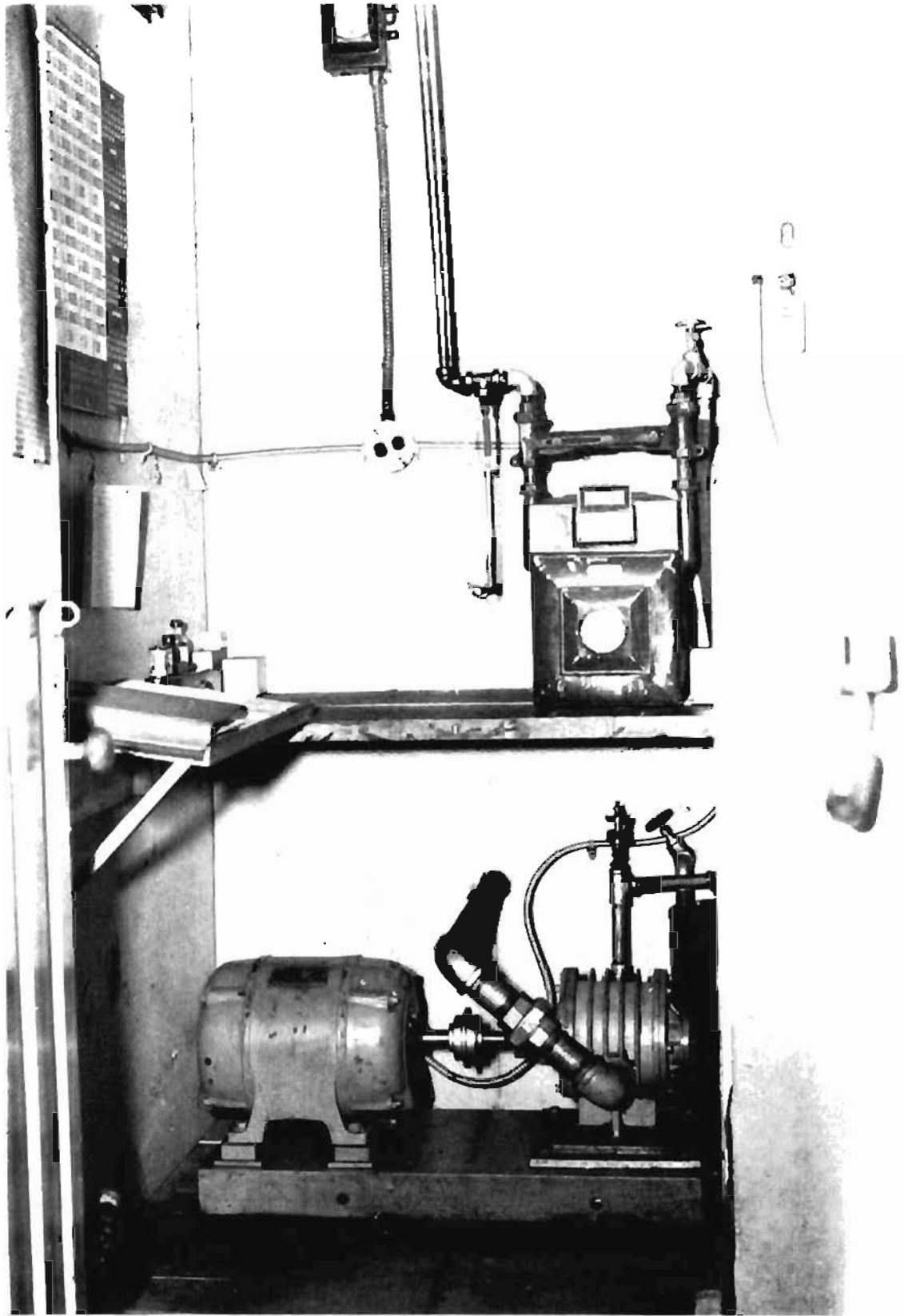


EXHIBIT No. 112  
Photo of dust machine equipment at Defendant's test house.



(Exhibit No. 113)

Sample roll of charts from defendant's recording machine  
(not printed).

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 113  
(not printed)*

(Exhibit No. 114)

Sample sheet of notations made by Longhurst, showing  
sulphur dioxide machine recordings (not printed).

*Defendant's  
Exhibit  
No. 114  
(not printed)*

(Exhibit No. 114a)

10 Sample sheet showing notations in respect to dust from the  
defendant's dust recording machine, made by Longhurst (not  
printed).

*Defendant's  
Exhibit  
No. 114a  
(not printed)*

(Exhibit No. 115)

Sample weekly chart wind graph (not printed).

*Defendant's  
Exhibit  
No. 115  
(not printed)*

(Exhibit No. 116)

Binder containing further chart (not printed).

*Defendant's  
Exhibit  
No. 116  
(not printed)*

(Exhibit No. 117)

June 4, 1945.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 117  
Analysis by  
Williams  
4th July,  
1945

Memo to Mr. G. Macaulay  
Mr. G. Gaukroger  
File

## Cupola Water Wash Tower—LABORATORY REPORT.

## Gas Analysis:

On charging floor time 1.00 p.m.

10 CO<sub>2</sub> ..... 14.2%  
CO ..... 9.8%

Gas after coming through water wash tower—1.30 p.m.

CO<sub>2</sub> ..... 4.0%  
CO ..... 3.0%

It was found that the pipes, pumps and metal parts of water wash cupola system were being eaten away after 6 weeks. On May 21st we checked the water and found it to be acid as follows:

	Time	Normality	% Acid
	9.30 a.m.	.0123 acid	0.3
	10.30	.0197 "	
20	11.30	.0231 "	
	12.30	.0217 "	
	1.30 p.m.	.0234 "	
	2.30	.0240 "	.067
	3.30	—	
	4.30	.0290 "	.080

The acids washed from cupola gases apparently are the corrosive agents. So soda ash has been added to keep the system alkaline.

A typical day's run is as follows: May 23, 1945—

	Time	% Alkaline	Soda Ash Additions
	3.00 a.m.	—	200 lbs.
	7.30 a.m.	.03	
	8.30 a.m.	.01	
	9.30 a.m.	.002	
	10.00 a.m.	—	100 lbs.
	10.30	.04	
	11.30	.01	
	12.30	.01	
40	1.30 p.m.	.01	
	2.30	.01	100 lbs.
	3.30 p.m.	.02	
	12.30 a.m. (May 24)	.01	

R. H. WILLIAMS,

RHW:s b

Asst. Chief Metallurgist.

(Exhibit No. 118)

CORRECTED COPY

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 118  
Report by  
Williams  
5th July,  
1945

July 5, 1945

Memo to Mr. G. C. Macaulay.  
Copy to Mr. G. J. Gaukroger.  
File.

*Analysis of Cupola Gases at McKinnon Industries  
Before Water Wash*

10	% CO	% CO <sub>2</sub>	SO <sub>2</sub> Parts per Million
	14.2	11.0	1.6
	16.5	11.3	2.9
	9.8	14.2	2.3
	14.3	10.3	1.8
	13.6	10.6	1.3
			1.1
			1.1
			1.8

*After Water Wash*

20	% CO	% CO <sub>2</sub>	SO <sub>2</sub> Parts per Million
	3.0	4.0	0.24
	3.6	3.6	0.54
	3.3	3.3	0.33
			0.55
			0.88
			0.93
			0.88

Samples taken between June 9th and 26th, 1945.

30

RHW:sb

R. H. WILLIAMS,  
*Asst. Chief Metallurgist.*

(Exhibit No. 119)

August 3, 1945.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 119  
Analysis of  
Samples of  
Air from  
Cupola  
Stacks for  
Sulphur  
Dioxide  
3rd Aug.,  
1945

## SULPHUR DIOXIDE

The cupola gas is passed through a 10% KOH Solution, 5,500 c.c. of gas used for each determination. Then add 20 c.c. 1:1 H<sub>2</sub>SO<sub>4</sub>.

The solution is titrated with a .00519 Normal Iodine. Blank required 1.7 c.c. of Iodine Solution.

## CALCULATIONS

$$10 \quad 1 \text{ c.c. of (.00519 Normal Iodine)} = .000166 \text{ grams SO}_2.$$

$$1 \text{ c.c. of SO}_2 \text{ gas at } 0^\circ \text{ C. and 760 mm.} = .00285 \text{ grams}$$

$$\% \text{ SO}_2 = \frac{\text{c.c. iodine} \times .000166 \times 100}{\text{Corrected volume} \times .00285}$$

$$\text{Corrected Volume} = \frac{\text{Volume gas used} \times \text{pressure} \times (273 + 0)}{760 \times (273 + \text{Temp.})}$$

## SAMPLES TAKEN AT CHARGING FLOOR, Aug. 3rd

			Parts per Million
20	1.	8.00 a.m. = $\frac{.7 \times 5.8}{5000 \text{ c.c.}}$ = .00081% .....	8
	2.	9.00 a.m. = $\frac{.3 \times 5.8}{4995 \text{ c.c.}}$ = .00035% .....	Note (Blast off) 3.5
	3.	10.00 a.m. = $\frac{.7 \times 5.8}{4950 \text{ c.c.}}$ = .00082% .....	8
30	4.	1.00 p.m. = $\frac{1.5 \times 5.8}{4930 \text{ c.c.}}$ = 00.18% .....	Blast just started 18
	5.	1.30 p.m. = $\frac{.9 \times 5.8}{4925 \text{ c.c.}}$ = .0010% .....	10
	6.	2.00 p.m. = $\frac{.7 \times 5.8}{4870 \text{ c.c.}}$ = .00083% .....	8

	7.	3.00 p.m.	= $\frac{.6 \times 5.8}{4870 \text{ c.c.}}$	= .00072%	7
	8.	3.00 p.m.	= $\frac{1.1 \times 5.8}{4790 \text{ c.c.}}$	= .0013%	13
			ROOF OUTLET—taken between Aug. 4th and Aug. 8th—		
			.3 X 5.8		
10	1.	8.00 a.m.	= $\frac{.3 \times 5.8}{4970 \text{ c.c.}}$	= .00035%	3.5
	2.	10.00 a.m.	=	nil	nil
	3.	11.00 a.m.	=	nil	nil
			.05 X 5.8		
	4.	1.00 p.m.	= $\frac{.05 \times 5.8}{4970 \text{ c.c.}}$	= .000058%	.5
	5.	2.00 p.m.	=	nil	nil
			August 8th		
			.05 X 5.8		
20	6.	10.00 a.m.	= $\frac{.05 \times 5.8}{5040 \text{ c.c.}}$	= .00057%	.5
			.15 X 5.8		
	7.	11.00 a.m.	= $\frac{.15 \times 5.8}{5025 \text{ c.c.}}$	= .00017%	1

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 119  
Analysis of  
Samples of  
Air from  
Cupola  
Stacks for  
Sulphur  
Dioxide  
3rd Aug.,  
1945  
Continued*

### HYDROCYANIC ACID

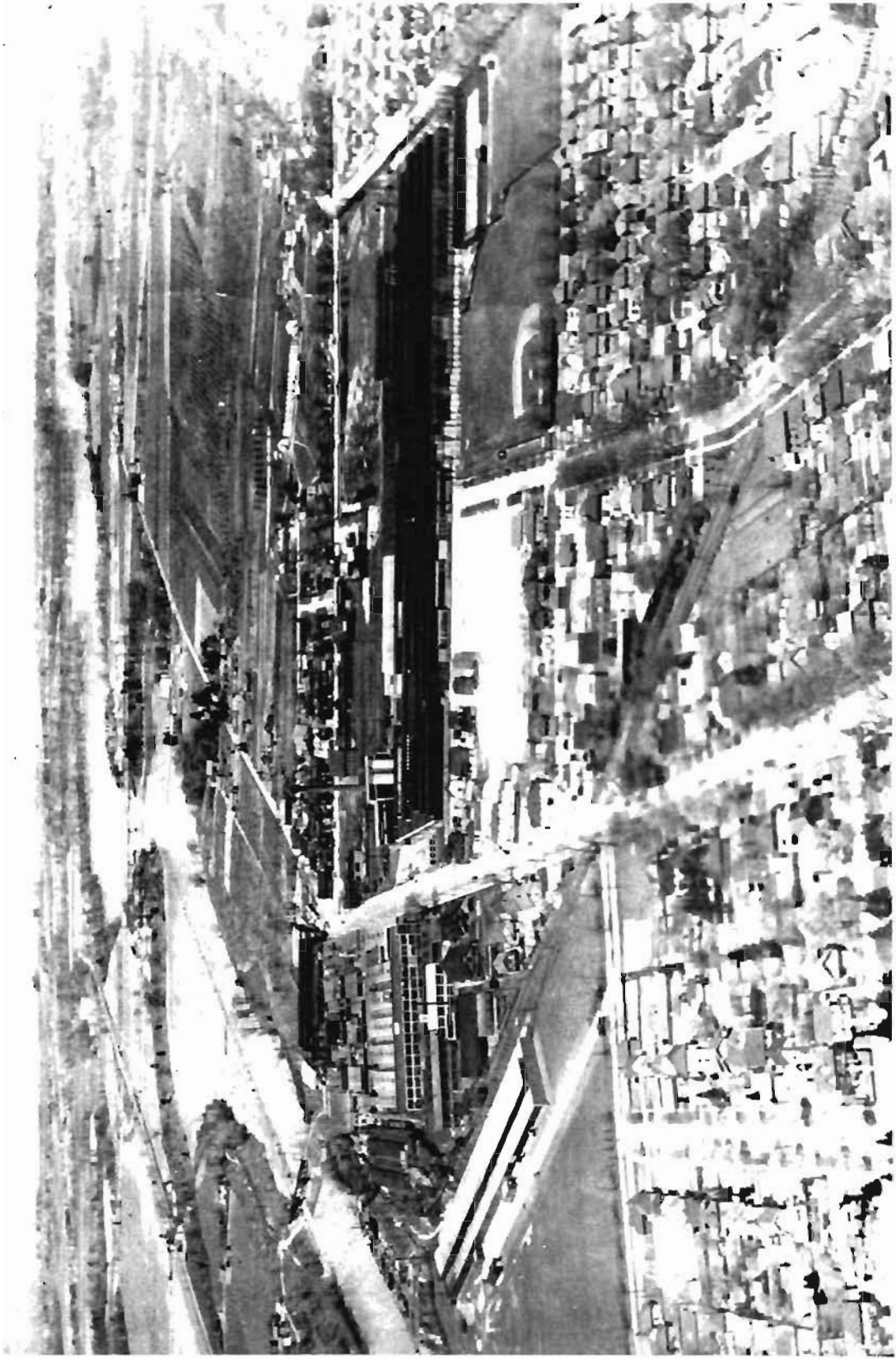
Five thousand cubic centimeters of gas from cyanide pots was poured through two hundred c.c. of water.

30 METHOD: To the solution to be tested are added two drops of 10% NaOH and the mixture is evaporated nearly to dryness. After cooling, a drop of 2% Ferrous Sulphate is added and the sample allowed to stand in the cold for about fifteen minutes. Now 2-3 drops conc. HCL are added and the solution warmed gently and then cooled. The solution is a blue green if HCN was present in the original sample. .000002 grms. HCN may be detected, or 3 parts in 10,000,000. We ran six tests during the day and were unable to detect any HCN. Thus, due to the sensitivity of our test, HCN if present is less than three parts in 10,000,000.

(Signed) R. H. WILLIAMS,  
R. H. WILLIAMS,

40 RHW :sb

*Asst. Chief Metallurgist.*



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 120  
Aerial photo  
of  
Defendant's  
plant  
19th May,  
1947*

EXHIBIT No. 120  
Aerial Photo of Defendant's Plant taken May 19th, 1947.

(Exhibit No. 121)

April 18th, 1949.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 121  
Analysis of  
Gaukroger  
18th April,  
1949*

To: Mr. T. J. Cook (3).  
cc: Mr. G. C. Macaulay.

*Analysis of Sulphur Dioxide at Cupola Stack*

Following are the results of gas analyses taken at the Cylinder Iron Cupola on April 18th, 1949:

	Time of Sampling	Charging Floor % SO <sub>2</sub> p.p.m. SO <sub>2</sub>	Roof Outlet % SO <sub>2</sub> p.p.m. SO <sub>2</sub>
10	11.00 - 11.21 a.m.	.00238 24	.00093 9
	1.25 - 1.45 p.m.	.0025 25	.000232 2
	1.45 - 2.05 p.m.	.00138 14	.000116 1
	2.15 - 2.34 p.m.	.00188 19	Nil Nil

"Charging Floor" refers to gas samples taken before the gas passed through the water wash. "Roof Outlet" refers to the samples taken after the gas had passed through the water wash. All samples were taken when the cupola was in operation.

*Method of Sampling*

20 10,000 ml. samples of Cupola Gas were asperated through 100 ml. of 2% KOH solution.

*Method of Analysis*

30 An excess (15 ml.) of .01 Normal Iodine solution is added to the 100 ml. of 2% KOH solution containing the dissolved SO<sub>2</sub>. 2 ml. of Starch solution added as an indicator, and then the solution made slightly acid with 1:1 HCL, which turns it blue. It is then immediately titrated with an .01 Normal Sodium Thiosulphate solution until the blue colour of the Starch is destroyed. A "Blank" determination is made on the reagents used and this value subtracted; the difference is the amount of Iodine consumed by the SO<sub>2</sub> present.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 121  
Analysis of  
Gaukroger  
18th April,  
1949  
Continued

### Calculations

1 ml. of .01 Normal Iodine = .00032 grams SO<sub>2</sub>.

1 ml. of SO<sub>2</sub> Gas at N.T.P. = .00285 grams.

$$\% \text{ SO}_2 = \frac{\text{ml. Iodine X .00032 X 100}}{\text{Corrected Volume X .00285}}$$

	Corrected Volume (Charging Floor).....	$\frac{10,000 \times 750 \times 273}{760 \times 300}$
10	Corrected Volume (Roof Outlet).....	$\frac{10,000 \times 750 \times 273}{760 \times 279}$

*"Blank" run on reagents*

15.0 ml. Iodine = 15.0 Sodium Thiosulphate.

### Titration

Charging Floor—				
	Time of Sampling	Sod. Thio. Titration	Iodine Blank & Thio. Diff.	SO <sub>2</sub> Equivalent
	11.00 - 11.21 a.m.	13.1 ml.	1.9 ml.	.00060 grams
20	1.25 - 1.45 p.m.	13.0	2.0	.00064
	1.45 - 2.05 p.m.	13.9	1.1	.000352
	2.15 - 2.34 p.m.	13.5	1.5	.00048
Roof Outlet—				
	11.00 - 11.21 a.m.	14.2 ml.	.8 ml.	.00025
	1.25 - 1.45 p.m.	14.8	.2	.000064
	1.45 - 2.05 p.m.	14.9	.1	.000032
	2.15 - 2.34 p.m.	Nil	Nil	Nil

(Sgd.) G. J. Gaukroger.

"G. J. GAUKROGER"



(Exhibit No. 122)

April 19th, 1949.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 122  
Analysis by  
Gaukroger  
19th April,  
1949*

To: Mr. T. J. Cook (3).

cc: Mr. G. C. Macaulay.

*Analysis of Sulphur Dioxide at Cupola Stack*

Following are the results of gas analyses taken at the Malleable Iron Cupola on April 19th, 1949.

	Time of Sampling	Charging Floor		Roof Outlet	
		% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>	% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>
10	11.10 - 11.30 a.m.	.00132	13	.000232	2
	11.30 - 11.50 a.m.	.00072	7	.000348	3
	1.20 - 1.37 p.m.	.00060	6	.000464	5
	1.35 - 1.55 p.m.	.00144	14	.000348	3
	1.55 - 2.15 p.m.	.00072	7	.000232	2
	2.15 - 2.35 p.m.	.00084	8	Nil	Nil

“Charging Floor” refers to gas samples taken before the gas passed through the water wash. “Roof Outlet” refers to the samples taken after the gas passed through the water wash. All samples were taken when the cupola was in operation.

20 *Method of Sampling*

10,000 ml. samples of Cupola Gas were asperated through 100 ml. of 2% KOH Solution.

*Method of Analysis*

- 30 An excess (15 ml.) of .01 Normal Iodine solution is added to the 100 ml. of 2% KOH solution containing the dissolved SO<sub>2</sub>. 2 ml. of Starch solution added as an indicator, and then the solution made slightly acid with 1:1 HCL which turns it blue. It is then immediately titrated with an .01 Normal Sodium Thio-sulphate solution until the blue colour of the starch is destroyed. A “Blank” determination is made on the reagents used and this value subtracted; the difference is the amount of Iodine consumed by the SO<sub>2</sub> present.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 122  
Analysis by  
Gaukroger  
19th April,  
1949  
Continued

### Calculations

1 ml. of .01 Normal Iodine = .00032 grams SO<sub>2</sub>.

1 ml. of SO<sub>2</sub> gas at N.T.P. = .00285 grams.

$$\% \text{ SO}_2 = \frac{\text{ml. Iodine X .00032 X 100}}{\text{Corrected Volume X .00285}}$$

$$\text{Corrected Volume (Charging Floor)} \dots\dots\dots \frac{10,000 \text{ X } 750 \text{ X } 273}{760 \text{ X } 290}$$

10

$$\text{Corrected Volume (Roof Outlet)} \dots\dots\dots \frac{10,000 \text{ X } 750 \text{ X } 273}{760 \text{ X } 280}$$

### "Blank" Run on Reagents

15.0 ml. Iodine = 14.8 ml. .01 Normal Sodium Thiosulphate.

### Titrations

#### Charging Floor—

	Time of Sampling	Sod. Thio. Titration	Iodine Blank & Thio. Diff.	SO <sub>2</sub> Equivalent
	11.10 - 11.30 a.m.	13.7 ml.	1.1 ml.	.00032 grams
20	11.30 - 11.50 a.m.	14.2	.6	.000192
	1.20 - 1.37 p.m.	14.3	.5	.000160
	1.37 - 1.55 p.m.	13.6	1.2	.000384
	1.55 - 2.15 p.m.	14.2	.6	.000192
	2.15 - 2.35 p.m.	14.1	.7	.000224

#### Roof Outlet—

	11.10 - 11.30 a.m.	14.6	.2	.000064
	11.30 - 11.50 a.m.	14.5	.3	.000096
	1.20 - 1.37 p.m.	14.4	.4	.000128
	1.37 - 1.55 p.m.	14.5	.3	.000096
30	1.55 - 2.15 p.m.	14.6	.2	.000064
	2.15 - 2.35 p.m.	14.8	Nil	Nil

rh

"G. J. GAUKROGER"

(Exhibit No. 123)

April 19th, 1949.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 123  
Analysis by  
Gaukroger  
19th April,  
1949*

To: Mr. T. J. Cook (3).

cc: Mr. G. C. Macaulay.

*Analysis of Sulphur Dioxide at Cupola Stack*

Following are the results of gas analyses taken at the Soft Iron Cupola on April 19th, 1949.

	Time of Sampling	Charging Floor		Roof Outlet	
		% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>	% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>
10	7.30 - 7.50 a.m.	.00060	6	.000116	1
	7.50 - 8.10 a.m.	.00036	4	Nil	Nil
	8.15 - 8.35 a.m.	.00072	7	Nil	Nil
	8.40 - 9.00 a.m.	.00060	6	.000232	2
	9.25 - 9.45 a.m.	.00192	19	.000232	2

“Charging Floor” refers to gas samples taken before the gas passed through the water wash. “Roof Outlet” refers to the samples taken after the gas passed through the water wash. All samples were taken when the cupola was in operation.

*Method of Sampling*

20 10,000 ml. samples of Cupola Gas were asperated through 100 ml. of 2% KOH Solution.

*Method of Analysis*

30 An excess (15 ml.) of .01 Normal Iodine solution is added to the 100 ml. of 2% KOH solution containing the dissolved SO<sub>2</sub>. 2 ml. of Starch solution added as an indicator, and then the solution made slightly acid with 1:1 HCL which turns it blue. It is then immediately titrated with an .01 Normal Sodium Thio-sulphate solution until the blue colour of the starch is destroyed. A “Blank” determination is made on the reagents used and this value subtracted; the difference is the amount of Iodine consumed by the SO<sub>2</sub> present.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 128  
Analysis by  
Gaukroger  
19th April,  
1949  
Continued

*Calculations*

1 ml. of .01 Normal Iodine = .00032 grams SO<sub>2</sub>.

1 ml. of SO<sub>2</sub> gas at N.T.P. = .00285 grams.

$$\% \text{ SO}_2 = \frac{\text{ml. Iodine} \times .00032 \times 100}{\text{Corrected Volume} \times .00285}$$

$$\text{Corrected Volume (Charging Floor)} \dots\dots\dots \frac{10,000 \times 754 \times 273}{760 \times 290}$$

10

$$\text{Corrected Volume (Roof Outlet)} \dots\dots\dots \frac{10,000 \times 754 \times 273}{760 \times 280}$$

*"Blank" Run on Reagents*

15.01 ml. Iodine = 14.6 ml. .01 Normal Sodium Thiosulphate.

*Titrations*

## Charging Floor—

	Time of Sampling	Sod. Thio. Titration	Iodine Blank & Thio. Diff.	SO <sub>2</sub> Equivalent
	7.30 - 7.50 a.m.	14.1 ml.	.5 ml.	.00016 grams
20	7.50 - 8.10 a.m.	14.3	.3	.000096
	8.15 - 8.35 a.m.	14.0	.6	.000192
	8.40 - 9.00 a.m.	14.1	.5	.00016
	9.25 - 9.45 a.m.	13.0	1.6	.000512

## Roof Outlet—

	7.30 - 7.50 a.m.	14.5 ml.	.1 ml.	.000032
	7.50 - 8.10 a.m.	14.6	.0	0.
	8.15 - 8.35 a.m.	14.6	0.	0.
	8.40 - 9.00 a.m.	14.4	.2	.000064
	9.25 - 9.45 a.m.	14.4	.2	.000064

(Exhibit No. 124)

THE MCKINNON INDUSTRIES LIMITED  
 CHEMICAL AND METALLURGICAL LABORATORY

DATE April 22nd, 1949.

To: Mr. T. J. Cook (3).

cc: Mr. G. C. Macaulay.

*Sulphur Dioxide Content of Solid Matter and Water  
 in Cupola Water Wash System*

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 124  
 Analysis by  
 Gaukroger  
 of Water  
 Wash  
 System.  
 22nd April,  
 1949*

10 Following are the results of analyses of water samples taken from the Cupola Water Wash System on April 20th, 1949. This data represents the actual Sulphur Dioxide absorbed from the Cupola gases. The SO<sub>2</sub> content of the tap water, chemical reagents and Soda Ash have been deducted.

Time	Overflow		Tank	
	% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>	% SO <sub>2</sub>	p.p.m. SO <sub>2</sub>
7.00 a.m.	.002007	20	.0020625	21
8.00	.00396	40	.0040925	41
9.00	.002365	24	.00374	37
10.00	.00297	30	.00341	34
20 11.00	.003108	31	.003052	31
1.00 p.m.	.00275	28	.003740	37
2.00	.002558	26	.00220	22
3.00	.00385	39	.005023	50
4.00	.009955	100	.01254	125
5.00	.0044825	45	.004675	47

30 Malleable Iron Cupola Blower started ..... 5.15 a.m.  
 Malleable Iron Cupola Blower stopped ..... 3.40 p.m.  
 Cylinder and Soft Cupola Blower started ..... 6.15 a.m.  
 Cylinder and Soft Cupola Blower stopped ..... 4.03 p.m.  
 Water Wash System stopped ..... 5.00 p.m.

From the above figures, it is calculated that 1,368 lbs. of SO<sub>2</sub> were disposed of through the overflow. This weight of gas represents 217 litres at N.T.P. At 5 p.m. the tank contained approximately 5,000 gallons with .004675% SO<sub>2</sub>. This amounts to 2.35 lbs. of SO<sub>2</sub> or 373 litres. Total volume of SO<sub>2</sub> absorbed in the wash water was therefore 590 litres.

*Solid Matter in Settling Tank During 24-Hour Period*

40 After allowing the sediment to settle in the 5,000-gallon tank, as much water as possible was siphoned off without disturbing the solids. This sludge was then transferred to a smaller tank, allowed to settle, and more water siphoned off. The volume of the sludge was found to be 53.33 cu. ft. (8' x 10' x 8"). A representative 12-litre sample of this material was removed and after partial air drying, was found to weigh 34.5 lbs. A moisture analysis of this material showed it to contain 46.1% water (drying at 100° C.).

THE MCKINNON INDUSTRIES, LIMITED  
CHEMICAL AND METALLURGICAL LABORATORY

DATE April 22nd, 1949.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 124  
Analysis by  
Gaukroger  
of Water  
Wash  
System  
22nd April,  
1949  
Continued

From the above, it is calculated that:

12 litres contain 18.6 lbs. dry matter.

53.3 cu. ft. contain  $\frac{18.6}{12} \times \frac{53.33}{.035316} = 2340$  lbs. dry solids.

10 In one day's operation, therefore, 2,340 lbs. of solid material have been prevented from going out into the atmosphere by the Cupola Water Wash System.

*Analysis of Solid Matter*

As BaSO<sub>4</sub> 2.63%  
As SO<sub>2</sub> 0.72%

From the above, 2,340 lbs. dry material contains 16.89 lbs. SO<sub>2</sub>.

*Method of Analysis*

20 200 ml. samples of the water from the overflow pipe and settling tank were removed at regular intervals and analyzed according to the following procedure:

To a 200 ml. sample, 10 ml. of Bromine water are added. Add 30 ml. of HNO<sub>3</sub>, and digest for 5 minutes. Add 20 ml. of HCL, and evaporate to dryness. Drench the residue with 5 ml. of dilute HCL (1:1), add 50 ml. of hot water, and digest until soluble salts are in solution. Remove the insoluble matter by filtration, dilute to 150 ml., heat to boiling, and precipitate by adding 10 ml. of a 10% solution of Barium Chloride. Digest on the steam bath for 2 hours, and allow to stand overnight. Filter on a paper of close texture, wash a few times with dilute HCL (1:99) and then with hot water until free from chloride. Ignite and weigh as BaSO<sub>4</sub>. A blank on reagents, tap water and Soda Ash is also run and subtrated.

30 *Barium Sulphate Precipitates Obtained on 200 ml. Samples*

	Time	Overflow	Tank
	7.00 a.m.	.0323 grams	.0328 grams
	8.00	.0466	.0512
	9.00	.0350	.0450
	10.00	.0391	.0416
	11.00	.0404	.0401
40	1.00 p.m.	.0379	.0459
	2.00	.0364	.0338
	3.00	.0418	.0544
	4.00	.0902	.1089
	5.00	.0504	.0517

THE MCKINNON INDUSTRIES, LIMITED  
 CHEMICAL AND METALLURGICAL LABORATORY

DATE April 22nd, 1949.

*Amounts of BaSO<sub>4</sub> to Be Deducted for Reagents,  
 Tap Water and Soda Ash*

200 ml. Tap Water.....	.0156 grams BaSO <sub>4</sub>
Reagents used .....	.0018 grams BaSO <sub>4</sub>
Soda Ash (5 gram sample).....	.0020 grams BaSO <sub>4</sub> (.04%)
500 lbs.	500 X .04

10 Soda Ash (Cupola System) contains  $\frac{500 \times .04}{100} = 0.2 \text{ lb. BaSO}_4$ .

0.2 lb. BaSO<sub>4</sub> in 8,600 gallons (5000 + 3600) = 0.0002% BaSO<sub>4</sub>.

Amounts of BaSO<sub>4</sub> to be deducted are therefore: Tap Water, .0156 grams; Reagents, .0018 grams; Soda Ash, .0004 grams; Total, .0178 grams BaSO<sub>4</sub>.

*Barium Sulphate Contents of 200 ml. Samples After Deductions  
 Were Made for Tap Water, Reagents and Soda Ash*

		Overflow		Tank	
	Time	Grams	Per Cent.	Grams	Per Cent.
20	7.00 a.m.	.0145	.0073	.0150	.0075
	8.00	.0288	.0144	.0340	.0167
	9.00	.0172	.0086	.0272	.0136
	10.00	.0213	.0108	.0238	.0124
	11.00	.0226	.0113	.0223	.0111
	1.00 p.m.	.0201	.0100	.0281	.0136
	2.00	.0186	.0093	.0160	.0080
	3.00	.0240	.0140	.0366	.0183
	4.00	.0724	.0362	.0911	.0456
	5.00	.0326	.0163	.0339	.0170

30 Percentage SO<sub>2</sub> is obtained by using the factor  $\frac{\text{SO}_2}{\text{BaSO}_4} = \frac{64}{233}$

Thus .0073% BaSO<sub>4</sub> =  $\frac{64}{233} \times .0073 = .002007\% \text{ SO}_2$

*Analysis of the Solid Matter in Settling Tank*

Using similar analytical methods, a 5 gram sample of the dried solids (100° C.) from the settling tank was found to contain 0.1315 grams.

40 0.1315 grams = 2.63%  
 $2.63 \times \frac{64}{233} = .722\% \text{ SO}_2$

rh

"G. J. GAUKROGER"

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 124  
 Analysis by  
 Gaukroger  
 of Water  
 Wash  
 System  
 22nd April,  
 1949  
 Continued*

(Exhibit No. 124A)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 124a  
Analysis by  
Gaukroger  
with  
corrected  
figures  
2nd May,  
1949*

May 2nd, 1949.

## CUPOLA SLUDGE TANK

Size of Tank — Length, 20 ft.  
Width, 10 ft.  
Depth, 53 inches.

Volume —  $20 \times 10 \times 4.42 = 884$  cu. ft.  
 $884$  cu. ft.  $= 884 \times 6.2 = 5,481$  gallons.

Sludge tank fills in 45 minutes.

10 Therefore fresh water per hour is  $\frac{5,481 \times 60}{45} = 7,308$  gallons.

Total water through overflow per 12-hour day =

$$\frac{7,308 \times 12}{876,960 \times .0038} = 87,696 \text{ gallons.}$$

SO<sub>2</sub> disposed of through overflow =  $\frac{\quad}{100} = 33.12$  lbs.

20 SO<sub>2</sub> in 5,304-gal. tank =  $\frac{54,810 \times .0047}{100} = 2.58$  lbs. SO<sub>2</sub>.

rh

"G. J. GAUKROGER"



(Exhibit No. 125)

March 22nd, 1949.

Memo To: Mr. T. J. Cook (2).  
File.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 125  
Analysis by  
Gaukroger  
of Snow  
Samples  
taken near  
Dunn's  
greenhouses  
and  
Plaintiff's  
greenhouses  
22nd Mar.,  
1949  
Continued*

This report covers the analysis of dust samples taken in the vicinity of Dunn's and Walker's greenhouses.

Identity of the samples is as follows:

- #1 Sample—Rear of residence, 15' from greenhouse stack (Dunn's).
- 10 #2 Sample—At rear of greenhouse property, 200' from stack (Dunn's).
- #3 Sample—North side of Manchester Street near fence line, about 300' from greenhouse stack (Walker).
- #4 Sample—North side of Manchester Street near fence line. This sample taken about 75' further east than #3.
- #5 Sample—Dust removed from Aster leaves in Dunn's greenhouse.

*Method of Sampling*

20 In the case of No. 1, 2, 3 and 4 samples, the dust was gathered from the top of undisturbed snow, and placed in clean 120 c.c. Erlenmeyer flasks. The samples in the flasks consisted of dust particles and loosely packed snow. Time of sampling was 10.00 - 12.00 noon, March 21st, 1949.

No. 5 sample was dust removed from aster leaves at Dunn's greenhouse. The leaves were shaken onto a piece of paper, and the latter then emptied into a flask. This was performed at the same time as the other samples were taken.

*Method of Analysis*

30 After thorough shaking, two samples of 10 c.c. each were taken from flasks 1, 2, 3 and 4. After filtering and drying at 100° C., the total sediment was determined. The dried samples were then ignited at a high temperature to burn off all combustible matter, the remainder being ash.

*Results of Analysis*

	#1 Sample—		
	Total Sediment .....	.0355 gm.	.0384 gm.
	Combustible Matter .....	.0218 (61.5%)	.0244 (63.6%)
	Ash .....	.0137 (38.5%)	.0140 (36.4%)
	#2 Sample—		
40	Total Sediment .....	.0379	.0326
	Combustible Matter .....	.0217 (57.3%)	.0185 (57.8%)
	Ash .....	.0162 (42.7%)	.0141 (42.2%)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 125  
Analysis by  
Gaukroger  
of Snow  
Samples  
taken near  
Dunn's  
greenhouses  
and  
Plaintiff's  
greenhouses  
22nd Mar.,  
1949  
Continued*

## #3 Sample—

Total Sediment .....	.0037	.0043
Combustible Matter .....	.0023 (62.1%)	.0024 (55.9%)
Ash .....	.0014 (37.9%)	.0019 (44.1%)

## #4 Sample—

Total Sediment .....	.0027	.0030
Combustible Matter .....	.0011 (40.7%)	.0012 (40.0%)
Ash .....	.0016 (59.3%)	.0018 (60.0%)

## #5 Sample—

10 Total Sediment .....	.1044 gm.
Combustible Matter .....	.0444 (42.5%)
Ash .....	.0560 (57.5%)

rh

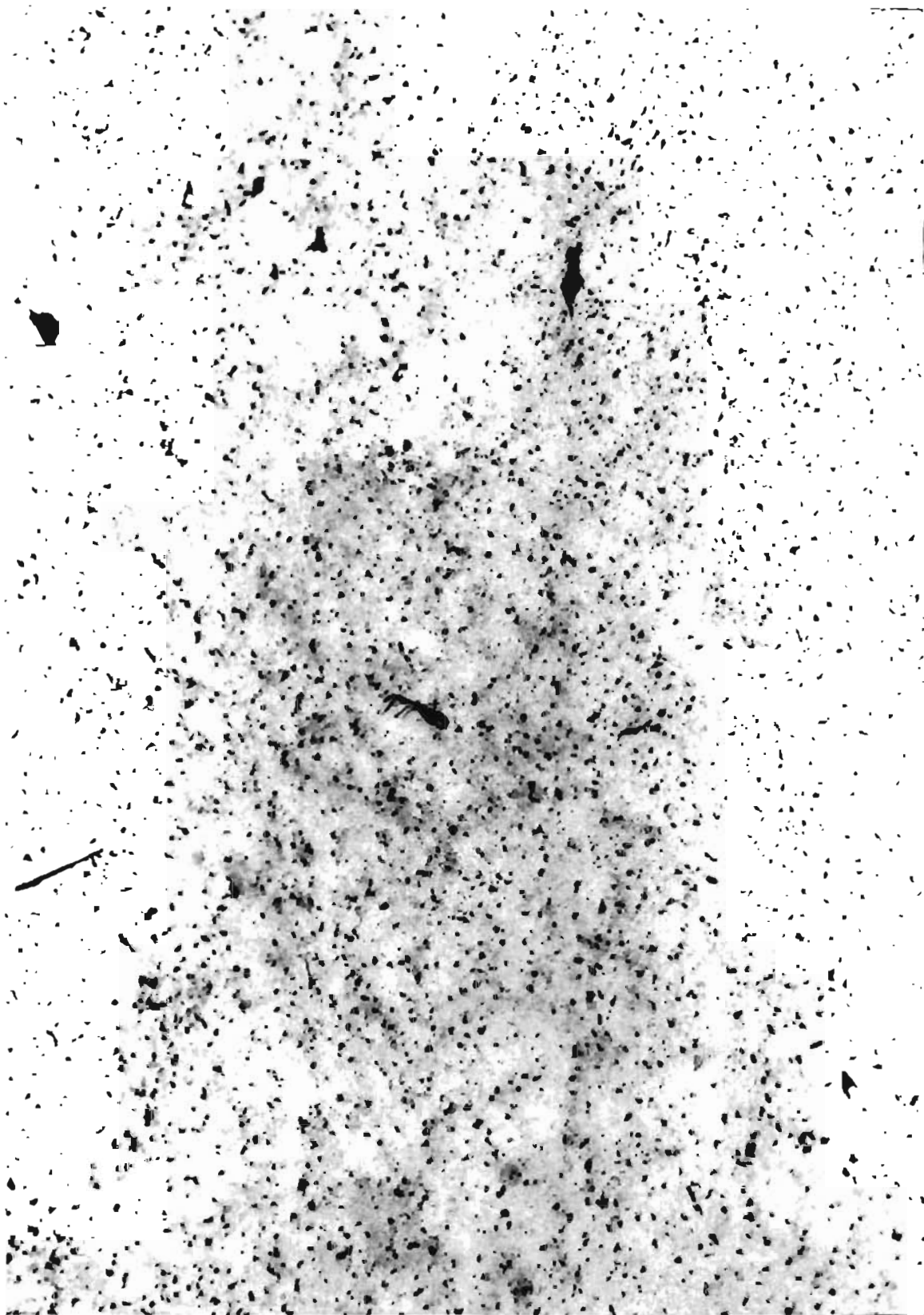
"G. J. GAUKROGER"

(Exhibit No. 126a)  
Flask containing material from snow samples (not printed).  
*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 126a  
(not printed)*

(Exhibit No. 126b)  
Flask containing material from snow samples (not printed).  
*Defendant's  
Exhibit  
No. 126b  
(not printed)*


(Exhibit No. 126c)  
Flask containing material from snow samples (not printed).  
*Defendant's  
Exhibit  
No. 126c  
(not printed)*

(Exhibit No. 126d)  
Flask containing material from snow samples (not printed).  
*Defendant's  
Exhibit  
No. 126d  
(not printed)*



In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 127 (a)  
Photo of  
snow at  
Dunn's  
greenhouse  
before  
sample taken  
(see exhibit  
126a)

EXHIBIT No. 127A  
Photo of snow at Dunn's greenhouse before sample taken  
(See Exhibit No. 126A)

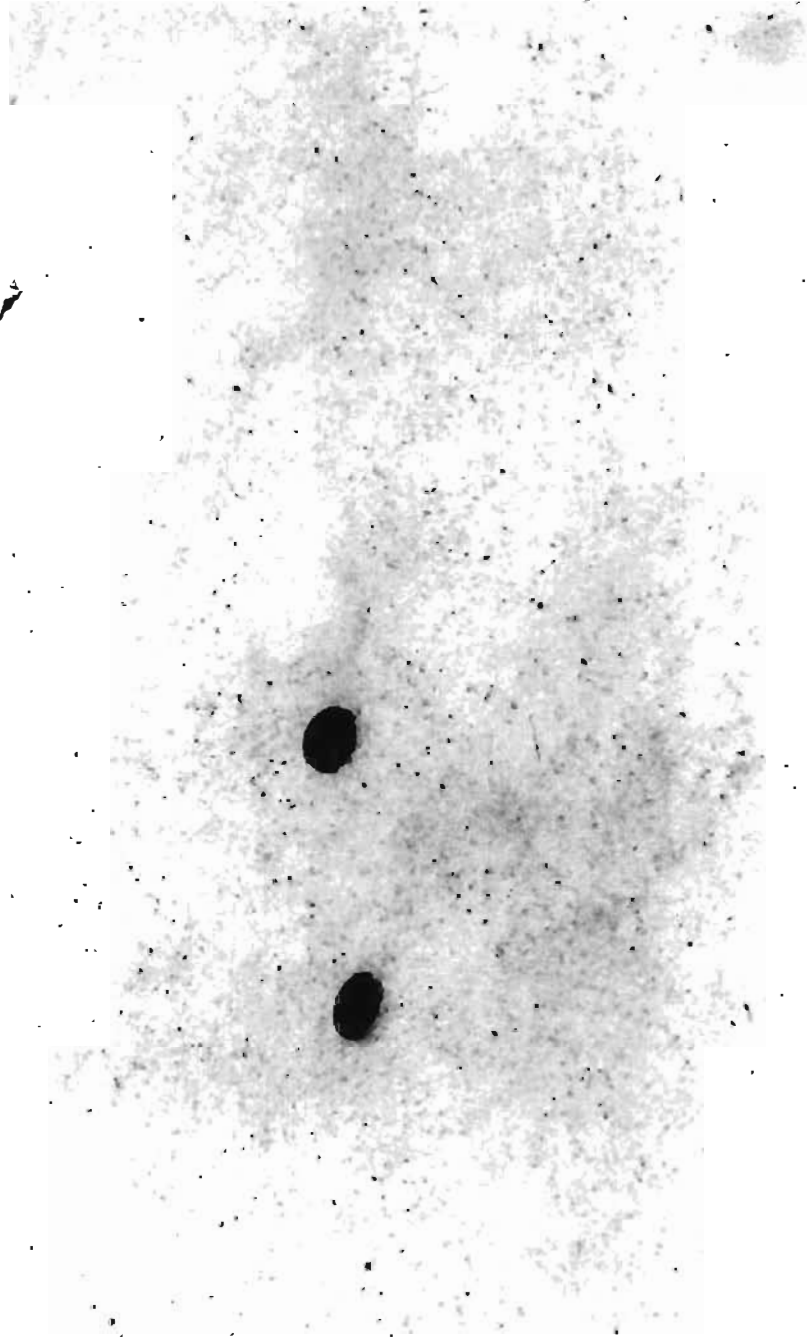


*In the  
Supreme  
Court  
of Ontario  
Defendant's  
Exhibit  
No. 127 (b)  
Photo of  
snow at  
Dunn's  
greenhouse  
before  
sample taken  
(see exhibit  
126b)*

EXHIBIT No. 127B  
Photo of snow at Dunn's greenhouse before sample taken  
(See Exhibit No. 126B)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 127 (c)  
Photo of  
snow at  
Dunn's  
greenhouse  
before  
sample taken  
(see exhibit  
126c)*

EXHIBIT No. 127C  
Photo of snow at Dunn's greenhouse before sample taken  
(See Exhibit No. 126C)



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 127 (d)  
Photo of  
snow at  
Dunn's  
greenhouse  
before  
sample taken  
(see exhibit  
126d)*



EXHIBIT No. 127D  
Photo of snow at Dunn's greenhouse before sample taken  
(See Exhibit No. 126D)

1365

(Exhibit No. 128)

#59—Paper, 11.45 a.m., July 3/46, to 7.30 a.m., July 4/46.

Temp. Deg. F.	Press MB	Inches Merc. Met. Col.	Time Int. Hrs.	Cum. Total Cu. Ft.
71	1015.9	3.87	19.75	3840

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 128  
Analysis by  
Gaukroger  
as to dust  
4th July,  
1946*

Total Dust and Organic Matter: .0129 grams.

Soluble Organic Matter: .0067 grams.

Photo Electric Cell: BL. 65.  
S. 25.

10

(Sgd.) G. J. GAUKROGER.



1366

(Exhibit No. 129)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 129  
Sample  
Computation  
made by  
Davey  
31st May,  
1948*

#23—Paper, 11.45, May 31, 1948, to 16.15, May 31, 1948.

Temp.	Press	Inches	Time	Cum.
Deg. F.	MB	Merc. Met. Col.	Int. Hrs.	Total Cu. Ft.
85.5	1012.0	2.81	4.50	700

Total Dust and Organic Matter: .0085 grams.

Soluble Organic Matter: .0062 grams.

Photo Electric Cell: BL. 65.  
S. 55.

10

(Sgd) A. DAVEY.

1367

(Exhibit No. 130)

#319—Paper, 11.45, Oct. 15/47, to 16.15, Oct. 15/47.

Temp. Deg. F.	Press MB	Inches Merc. Met. Col.	Time Int. Hrs.	Cum. Total Cu. Ft.
86	1009.8	7.0	4.50	1180

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 130  
Sample  
Computation  
made by  
Deroche  
15th Oct.,  
1947*

Total Dust and Organic Matter: .0160 grams.

Soluble Organic Matter: .0105 grams.

Photo Electric Cell: BL. 65.  
S. 35.

10

(Sgd.) W. A.DEROCHE.

(Exhibit No. 131)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 131  
Sample  
Computation  
made by  
Klimek  
13th May,  
1947*

#23—Paper, 7.45 a.m., May 13/47, to 11.30 a.m., May 13/47.

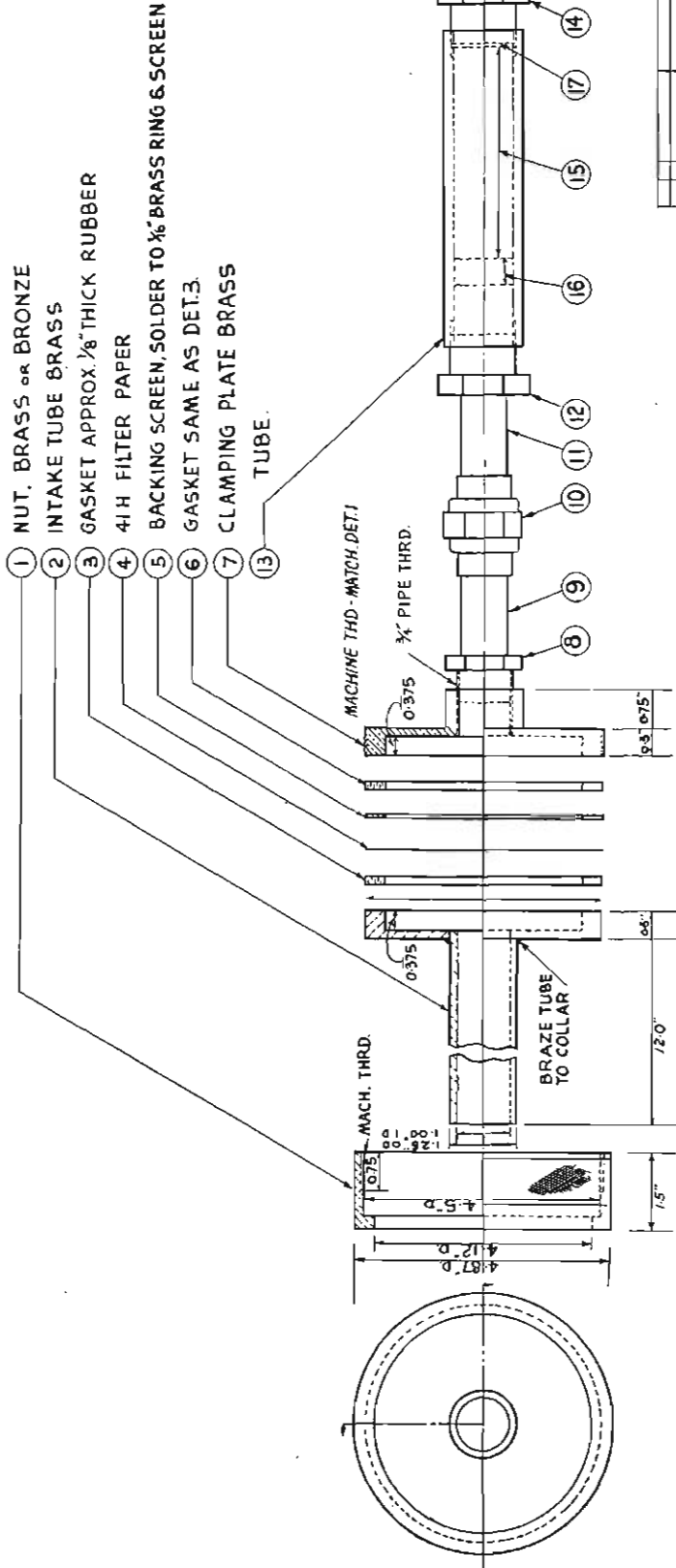
Temp. Deg. F.	Press MB	Inches Merc. Met. Col.	Time Int. Hrs.	Cum. Total Cu. Ft.
81	999.0	7.0	3.75	760

Total Dust and Organic Matter: .0125 grams.

Soluble Organic Matter: .0086 grams.

10 Photo Electric Cell: BL. 65.  
S. 35.

(Sgd.) S. KLIMEK.



17	1	Fine Mesh Wire Screen
16	1	3/8" Brass Glass Vapour
15	1	Silica Gel. 4.5" diameter in Tube
14	1	Cap. 1/2"
13	1	1 1/2" dia. Aluminium Brass Tube
12	1	Cap. 3/4"
11	1	Cap. 3/4"
10	1	Cap. 3/4"
9	1	1/2" dia. Nut
8	1	1/2" dia. Nut

THE MARKING INDUSTRIES LIMITED  
1000, UNIVERSITY STREET, TORONTO, CANADA

Approved For  
Smoke Survey

LD-283-E

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 132  
Photostatic  
Drawing of  
intake tube  
at  
Defendant's  
test house

EXPANDED VIEW SHOWING ORDER OF ASSEMBLY

EXHIBIT No. 132

Photostatic Drawing of intake tube at Defendant's test house.

EXHIBIT NO. 133  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 McKINNON INDUSTRIES, ST. CATHARINES, ONT.

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 133  
 Detailed  
 Record of  
 Sulphur  
 Dioxide  
 Machine  
 25th Nov.,  
 1944 to  
 14th Dec.,  
 1944*

Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Nov. 25	16.20-24.00	Zero		NW 15.00-18.00 S and SE 19.00- Mid	5 3
10 Nov. 26	0.00-24.00	Zero		SE 0.00- 7.00 E & NE 7.00-20.00 S & SE 20.00-24.00	3-4 11-4 2
Nov. 27	0.00- 4.00	Zero		S & SE	5-10
	4.00- 8.45	No record		S & SE	10
	8.45-10.30	Zero		Mainly S	7
	10.30-11.20	No record			
	11.20-16.40	Zero		SW	14
	16.40-17.10	0.31	0.05	Mainly W	8
	17.10-17.40	0.18	0.04		
20	17.40-18.10	0.00	0.00		
	18.10-21.10	0.05	0.05	Mainly W	11
	21.10-22.10	ca. 0.02	0.02		
	22.10-22.40	0.05	0.05		
	22.40-23.10	0.12	0.12	Mainly W	6
	23.10-23.40	0.05	0.05		
	23.40-00.10	0.10	0.06		
Nov. 28	00.10- 1.10	0.06	0.06	W	7
	1.10- 1.40	0.03	0.03		
	2.00-11.15	Switch broken (broken contact arm)		NW 3.00-8.00	7-9
30	11.15-11.30	0.06	0.06	Mainly N	12
	11.30-12.00	trace	trace		
	12.00-12.30	0.04	trace		
	12.30-13.00	trace	trace		
	13.00-13.30	0.06	trace	Mainly N	12
	13.30-14.00	0.05	0.05	Mainly N	10-12
	14.00-14.30	0.06	0.03		
	14.30-15.30	0.03	0.03		
	15.30-16.00	0.04	0.06		
40	16.00-16.45	0.10	0.07		
	16.45-17.15	0.03	0.03		
	17.15-17.45	0.06	0.06	NE	6
	17.45-18.45	0.05	0.03		
	18.45-19.15	0.03	0.03		
	19.15-19.45	0.06	trace		
	19.45-20.15	0.03	0.04		
	20.15-20.45	0.06	0.04		
	20.45-21.15	0.04	0.04	Mainly E and NE	6
50	21.13-21.45	0.04	trace		
	21.45-22.15	0.04	0.06		
	22.15-23.45	0.05	0.05		
	23.45-00.15	trace	0.06		

## EXHIBIT NO. 133 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 133  
Detailed  
Record of  
Sulphur  
Dioxide  
Machine  
25th Nov.,  
1944 to  
14th Dec.,  
1944  
Continued*

	Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Nov. 29	00.15-00.45	0.06	trace	Mainly E	8
		00.45- 1.15	0.03	0.05		
		1.15- 1.45	0.05	0.03		
		1.45- 4.45	trace	trace		
		4.45- 5.15	0.03	0.06		
		5.15- 5.45	0.03	0.05	Mainly E	8
		5.45- 6.15	0.03	0.06		
		6.15- 6.45	0.06	0.06		
20	Nov. 29	6.45- 7.15	0.08	0.05	NE	8
		7.15- 7.45	0.17	0.17		
		7.45- 8.15	0.11	0.09		
		8.15- 8.45	0.13	0.13		
		8.45- 9.15	0.11	0.13		
		9.15- 9.45	0.10	0.11	NE	11
		9.45-10.15	0.08	0.08		
		10.15-11.15	0.08	0.08		
		11.15-11.45	0.06	0.04	NE and E	13
		11.45-12.15	0.06	0.06		
		12.15-12.45	0.10	0.10		
		12.45-13.15	0.13	0.13	Grass fire started by Warren Axe Co. out- side of this building.	
30		13.15-13.45	0.14	0.10		
		13.45-14.15	0.11	0.10	NE and E	12
		14.15-14.45	0.07	0.07		
		14.45-15.15	0.07	0.09		
		15.15-15.45	0.11	0.09		
		15.45-16.15	0.12	0.12		
		16.15-16.45	0.12	0.12	NE and E	9
		16.45-17.15	0.07	0.07		
		17.15-17.45	0.09	0.09		
		17.45-18.15	0.06	0.10		
		18.15-18.45	0.09	0.09	NE and E	10
		18.45-19.15	0.09	0.10	East	
40		19.15-19.45	0.09	0.06		2
		19.45-20.15	0.09	0.13	S and SW	2
		20.15-20.45	0.10	0.10		
		20.45-21.15	0.09	0.06		2
		21.15-21.45	0.04	0.04		
		21.45-22.15	0.05	0.05	S and SW	4
		22.15-22.45	0.06	trace		
		22.45-23.15	trace	0.04	South	3
		23.15-00.15	trace	trace		

EXHIBIT NO. 133 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
Nov. 30	00.15-00.45	trace	trace	South	2	
	00.45- 1.15	0.06	0.06			
	1.15- 1.45	0.04	0.04			
	10	1.45- 3.15	Zero		South	3
		3.15- 5.45	trace	trace	SW	3
		5.45- 6.15	0.08	0.06	W and SW	6
		6.15- 6.45	0.12	0.06		
		6.45- 7.15	0.09	0.08		
		7.15- 7.45	0.06	0.06	W and SW	7
	7.45- 9.00	zero		NW	11	
9.00- 9.30	0.06	0.09	W and SW	12		
9.50-10.00	0.12	0.11				
20	10.00-10.30	0.09	0.12		16	
	10.30-11.00	0.17	0.11	W and SW	20	
	11.00-11.30	0.12	0.12			
	11.30-12.00	0.12	0.12			
	12.00-12.30	0.06	0.08	W and SW	20	
	12.30-13.00	0.16	0.12			
	13.00-13.30	0.12	0.14			
	13.30-14.00	0.16	0.12			
	14.00-14.30	0.12	0.14			
	14.30-15.00	0.14	0.12	W and SW	25	
30	15.00-15.30	0.11	0.12	SW		
	15.30-16.00	0.12	0.11			
	16.00-16.30	0.05	0.05			
	16.30-17.00	0.05	trace	SW	26	
	17.00-17.30	trace	0.05			
	17.30-18.00	0.05	0.05			
	18.00-18.30	0.06	0.06			
	Nov. 30	18.30-19.00	0.08	0.06		
	19.00-19.30	0.06	0.06	SW	24	
	19.30-20.00	0.09	0.09	SW		
40	20.00-20.30	trace	trace	Mainly west	23	
	20.30-21.00	0.06	trace			
	21.00-21.30	0.06	0.06	Mainly W, some SW	23	
	21.30-22.00	0.04	0.04			
	22.00-23.00	trace	trace			
	23.00-24.00	trace	trace	Mainly W, some SW	22	
Dec. 1	0.00- 0.30	0.06	0.06			
	0.30- 1.00	0.04	trace	Mainly W, some SW	20	
	1.00- 6.00	zero				
	6.00- 6.30	0.17	0.17	Mainly W, some SW	16	
	50	6.30- 7.00	0.15	0.10		
		7.00- 8.00	trace	trace		
	8.00- 8.30	0.09	0.06	Mainly W, some SW	15	
	8.30- 9.00	0.27	0.20			
	9.00- 9.30	0.18	0.23			
	9.30-10.00	0.24	0.18			
10.00-10.30	0.12	0.12				

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EXHIBIT NO. 133 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
20	Dec. 1	10.30-11.00	trace	trace	Mainly W, some SW	15
		11.00-12.30	zero			
	1944	12.30-13.00	trace	trace	Mainly West	18
		13.00-13.30	.06	.06		
		13.30-14.00	trace	trace		
		14.00-14.30	0.04	0.06		
		14.30-15.00	0.12	0.08		
		15.00-15.30	trace	trace	Mainly West	20
15.30-24.00	zero	zero	Mainly West 16.00-20.30 NW 20.30-24.00	18		
Dec. 2	0.00- 8.00	zero		NW and N	18	
	8.00-24.00	zero		NW to 13.00 SW 13.00-16.00 then NW		
Dec. 3	0.00- 8.00	zero		Mainly North	6	
	8.00-24.00	zero		Calm followed by NW and Southerly winds	1-4	
Dec. 4	0.00-24.00	zero		S and SE	2-4	
Dec. 5	0.00-24.00	zero		S and SE	2-4	
Dec. 6	0.00-24.00	zero		S and SW	4-8	
30	Dec. 7	0.00- 1.30	zero	South	2	
		1.30-11.00	No complete record	South	calm	
	11.00-24.00	zero	SE	6		
Dec. 8	0.00-16.30	zero		SE	6	
	16.00-24.00	no record		NW, W and SW	12	
Dec. 9	0.00- 8.45	no record		SW	18	
	8.45-24.00	zero		SW	18	
Dec. 10	0.00-11.00	zero		SW	18	
	11.00-16.20	no record		SW and NW	8-6	
	16.20-24.00	zero		SW and NE	2-6	
40	Dec. 11	0.00-11.30	zero	NE	10-12	
		11.30-12.00	trace	trace		
		12.00-12.30	zero		NE	16
		12.30-13.00	trace			
13.00-24.00	zero		NE	16-25		
Dec. 12	0.00-15.15	zero		N and NE changed to NW in afternoon	25-30	



EXHIBIT NO. 133 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10 Dec. 13	15.15-24.00	{ Closed down because			
	0.00-14.15	{ of snow storm			
	14.15-16.00	zero		NW	10
	16.00-17.00	zero			
	17.00-18.30	trace	trace	Westerly	12
	18.30-22.00	zero		Westerly	8
	22.00-23.00	trace	trace	SW	6
	23.00-24.00	zero			
Dec. 14	0.00-00.30	zero			
	0.30- 6.00	zero		SW	6
	6.00- 8.00	trace	trace	SW	8

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EXHIBIT NO. 134

T A B L E I

SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES  
 Sampling Point at Side Facing Cupolas

Date 1944	Time not Operated	Zero Readings	Trace to 0.04	0.05 to 0.10	0.11 to 0.15	0.16 to 0.25	Above 0.25	Maximum Readings	Prevailing Wind Direction	Average Wind Velocity m.p.h.
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	p.p.m.		
Nov. 25	16:20	7:40	—	—	—	—	—	—	NW,S & SE	3-5
Nov. 26	—	24:00	—	—	—	—	—	—	SE,E, NE	2-11
Nov. 27	5:35	11:35	1:00	4:20	0:30	0:30	0:30	0.31	S,SE & W	5-14
Nov. 28	9:35	—	6:45	7:40	—	—	—	0.10	N,NE, E	6-12
Nov. 29	—	—	7:00	12:00	4:30	0:30	—	0.17	E, NE, S	2-13
Nov. 30	—	2:45	7:15	8:00	4:30	1:30	—	0.17	W, SW	2-26
Dec. 1	—	15:00	4:00	1:30	1:30	1:30	0:30	0.27	W, SW	15-20
Dec. 2	—	24:00	—	—	—	—	—	—	NW, N	18
Dec. 3	—	24:00	—	—	—	—	—	—	N, NW, S	1-6

EXHIBIT NO. 134 (Cont.)

T A B L E I

SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES  
 Sampling Point at Side Facing Cupolas

Date 1944	Time not Operated	Zero Readings	Trace to 0.04	0.05 to 0.10	0.11 to 0.15	0.16 to 0.25	Above 0.25	Maximum Readings	Prevailing Wind Direction	Average Wind Velocity m.p.h.
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	p.p.m.		
Dec. 4	—	24:00	—	—	—	—	—	—	S, SE	2-4
Dec. 5	—	24:00	—	—	—	—	—	—	S, SE	2-4
Dec. 6	—	24:00	—	—	—	—	—	—	S, SW	4-8
Dec. 7	9:30	14:30	—	—	—	—	—	—	S, SE	2-6
Dec. 8	7:30	16:30	—	—	—	—	—	—	SE, NW, W	6-12
Dec. 9	8:45	15:15	—	—	—	—	—	—	SW	18
Dec. 10	5:20	18:40	—	—	—	—	—	—	SW, NW, NE	2-18
Dec. 11	—	23:00	1:00	—	—	—	—	—	N, NE	25-30
Dec. 12	8:45	15:15	—	—	—	—	—	—	N, NE	25-30
Dec. 13	14:15	7:15	2:30	—	—	—	—	—	NW, W	6-10
Totals	85:35	291:25	29:30	33:30	11:00	4:00	1:00	—	—	—

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EXHIBIT NO. 134 (Cont.)

T A B L E 2

SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES  
 Sampling Point at Side Facing Smoke Stack  
 (For Wind Direction and Velocity see Table 1)

Date 1944	Time not Operated	Zero Readings	Trace to 0.04	0.05 to 0.10	0.11 to 0.15	0.16 to 0.25	Above 0.25	Maximum Readings
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	p.p.m.
Nov. 25	16:20	7:40						
Nov. 26	—	24:00						
Nov. 27	5:35	11:35	1:30	4:50	0:30	—	—	0.12
Nov. 28	9:35	—	8:30	5:55	—	—	—	0.07
Nov. 29	—	—	6:45	13:15	3:30	0:30	—	0.17
Nov. 30	—	2:45	7:45	7:30	6:00	—	—	0.14
Dec. 1	—	15:00	3:30	3:00	0:30	2:00	—	0.23
Dec. 2-13	See Table 1 for breakdown of readings.							
Totals	85:35	291:25	31:30	34:30	10:30	2:30	—	—

EXHIBIT NO. 135  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 McKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Dec. 14 8.00- 9.00	Trace		SW	10
	9.00-10.00	Zero			
	10.00-11.30	Trace			
	11.30-12.00	0.07		SW	13
	12.00-12.30	0.075			
	12.30-13.00	0.115			
	13.00-13.30	0.13			
	13.30-14.00	0.07			
	14.00-14.30	0.085			
	14.30-15.00	0.085			
	15.00-15.30	0.165			
	15.30-16.00	0.145			
	16.00-16.30	Trace		SW	9
	20	16.30-19.00	Trace		
19.00-20.00		Zero			
20.00-24.00		Trace		SW	9
Dec. 15 0.00- 0.30		0.115		SW	11
0.30- 1.00	Trace				
1.00- 3.00	Zero		SW	8.5	
3.00- 5.00	Trace				
5.00- 5.30	0.06				
30	5.30- 6.00	Trace		SW and SE	12
	6.00- 6.30	0.05			
	6.30- 7.30	Trace			
	7.30- 8.00	0.05			
	8.00- 9.00	0.06		SW and SE	12.5
	9.00- 9.30	0.05			
	9.30-10.30	Adjusting Absorber			
	10.30-11.30	Trace			
	11.30-14.30	Zero		SW and SE	12
	14.30-15.00	Trace			
40	15.00-16.30	Trace		SW and SE	13.5
	16.30-17.00	0.065		Mainly SW	
	17.00-22.30	Trace		SW and SE	14
	22.30-23.00	0.07		SW	
	23.00-23.30	0.075		SW	16
	23.30-24.00	0.08			
	Dec. 16 0.00- 0.30	0.04		SW	13.5
	0.30- 2.30	Trace			
50	2.30- 3.00	0.05			
	3.00- 3.30	0.065			
	3.30- 4.00	0.06			
	4.00- 4.30	0.08		SW	12
	4.30- 5.00	0.095			
	5.00- 5.30	0.085			
	5.30- 6.00	0.10			
	6.00- 7.00	0.70			

## EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Dec. 16	7.00- 7.30	0.08			
	7.30- 8.30	0.10		SW	13
	8.30- 9.00	0.05			
	9.00-11.00	0.06			
	11.00-12.00	0.06		SW	13
	12.00-13.00	Trace		SW	18.5
	13.00-13.30	Zero			
	13.30-15.00	Trace			
	15.00-24.00	Zero		SW	18.5
Dec. 17	0.00- 9.00	Zero		SW	20
	9.00-24.00	Zero		SW and NW	23-14
Dec. 18	0.00- 0.30	0.06		N and W	8
	0.30- 1.00	0.08			
	1.00- 1.30	0.05			
	1.30- 3.00	0.06			
	3.00- 9.00	Trace		N, E occasional	7
Dec. 18	9.00- 9.30	0.06		NE	9
	9.30-10.00	0.04			
	10.00-10.30	0.06			
	10.30-11.00	0.08			
	11.00-12.00	0.12		NE	13-11
	12.00-13.00	0.06			
	13.00-13.30	0.08			
	13.30-14.00	0.06			
	14.00-15.00	Trace			
	15.00-15.30	0.06			
	15.30-16.00	0.11		E, occasional	9
	16.00-16.30	0.07		N and S	
	16.30-19.00	0.06			
	19.00-22.00	0.08			
22.00-22.30	0.13		SE and E	10-6	
22.30-23.00	0.19				
23.00-23.30	0.17				
23.30-24.00	0.085				
Dec. 19	0.00- 0.30	0.10		SE	7
	0.30- 1.00	0.23			
	1.00- 1.30	0.03			
	1.30- 2.00	0.165		SE	1
	2.00- 3.00	0.08		SE	6
	3.00- 3.30	0.11		S	2
	3.30- 4.30	0.09			
4.30- 5.00	0.16				

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10 Dec. 19	5.00- 5.30	0.145		S and W	4	
	5.30- 6.00	0.065				
	6.00- 6.30	Trace				
	6.30- 7.30	0.12				
	7.30- 8.00	0.07				
	8.00- 8.30	0.085		S, Occasional W	4	
	8.30- 9.00	0.095				
	9.00- 9.30	0.18				
	9.30-10.00	0.095				
	10.00-10.30	0.08				
	10.30-12.00	0.06				
	12.00-12.30	Trace		SW	5	
	12.30-14.00	0.07				
	20 Dec. 19	14.00-15.00	Trace		SW	9
15.00-16.00		0.10				
16.00-19.00		Trace				
19.00-19.30		0.06		SW	13	
19.30-20.00		0.10				
20.00-21.00		0.08		SW	18	
21.00-22.30		0.06				
22.30-23.00		Trace				
23.00-23.30		0.06				
23.30-24.00		Trace				
30 Dec. 20	0.00- 0.30	0.135		SW	18	
	0.30- 1.00	Trace				
	1.00- 2.00	Zero				
	2.00- 2.30	Trace				
	2.30- 4.30	0.06				
	4.30- 5.00	0.16		SW	15	
	5.00- 6.00	0.08				
	6.00- 7.00	0.12				
	7.00- 7.30	0.07				
	40 Dec. 20	7.30- 9.00	0.11		SW	12
		9.00-10.00	0.10			
		10.00-11.00	0.05			
		11.00-12.00	0.06			
		12.00-15.00	0.04		SW and SE	14
15.00-15.30		0.10		SW	17	
15.30-16.00		0.09				
16.00-17.30		0.10				
17.30-19.00	0.05		SW	23		
50 Dec. 20	19.00-20.00	0.08				
	20.00-20.30	0.12		SW	20	
	20.30-21.00	0.06				
	21.00-22.30	Trace				
	22.30-23.00	0.085				
	23.00-23.30	0.10		W	16	
23.30-24.00	0.14					

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1944	Time	SO <sub>2</sub> in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Dec. 21	0.00- 0.30	0.11		W	18
	0.30- 4.30	Trace			
	4.30- 5.00	Zero		NW	11
	5.00- 8.00	Trace		NW and SW	12
	8.00- 8.30	0.05		N	14
	8.30- 9.30	Zero		NW	12
	9.30-10.00	0.06			
	10.00-11.30	0.05		N and W	11
	11.30-15.00	Trace		NW and N	9
	15.00-24.00	Zero		NW and S	9.5
Dec. 22	0.00-11.30	Zero		SW	6.8
Dec. 22	11.30-Dec. 26, 10.00 a.m. Recorder Not operated				
Dec. 26	10.00-14.45	Galvanometer unbalanced			
	14.45-17.00	Trace		SW	10
	17.00-24.00	Zero		S	6-3
Dec. 27	0.00- 3.30	Zero		S	4
	3.30- 4.30	0.06			
	4.30- 5.00	0.08		SE	8
	5.00- 5.30	0.20			
	5.30- 6.00	0.345	Smoke	SE	8
	6.00- 6.30	0.30	from Stack		
	6.30- 7.00	0.37	directly over		
	7.00- 7.30	0.385	recorder at low level.		
	7.30- 8.00	0.345			
	8.00- 8.30	0.47		E, occasional S	6
	8.30- 9.00	0.40			
	9.00- 9.30	0.35			
	9.30-10.00	0.35			
	10.00-10.30	0.565			
10.30-11.00	0.215				
11.00-11.30	0.305				
11.30-12.00	0.285				
12.00-12.30	0.25				
12.30-13.00	0.355				
Dec. 27	13.00-13.30	0.37		NE	7.5
	13.30-14.00	0.195			
	14.00-14.30	0.17			
	14.30-15.00	0.135			
	15.00-15.30	0.20		E and N	5.5
	15.30-16.00	0.29			
	16.00-16.30	0.26			
	16.30-17.00	0.32			
	17.00-17.30	0.24		SE	9
	17.30-18.00	0.10			
Dec. 27	18.00-18.30	0.10			



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Date 1944	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Dec. 27 18.30-19.00	0.07				
	19.00-20.00	0.04				
	20.00-21.00	0.08		S	5	
	21.00-21.30	0.09		W	2	
	21.30-23.30	Trace		SW	7	
	23.30-24.00	0.05				
20	Dec. 28 0.00- 1.00	0.155		SW	15.5	
	1.00- 1.30	0.07				
	1.30- 3.30	Trace				
	3.30- 4.00	0.06				
	4.00- 5.00	0.05		SW	20	
	5.00- 5.30	0.06				
	5.30- 6.00	0.10				
	6.00- 6.30	0.11				
	6.30- 7.00	0.08				
	7.00- 7.30	0.155				
	7.30- 8.00	0.12				
	8.00- 9.00	0.08		SW	17	
	9.00- 9.30	0.11				
	9.30-11.00	0.08				
	11.00-11.30	0.06				
	11.30-12.00	0.14				
	12.00-12.30	0.14				
	12.30-16.00	0.18		W	18	
30	16.00-16.30	0.10				
	16.30-17.00	0.12				
	17.00-17.30	0.13		W		
	17.30-18.00	0.12				
	18.00-24.00	Zero		NW	13	
	40	Dec. 29 0.00- 2.00	Zero		N	7
		2.00- 3.00	Trace		NE	8
		3.00- 3.30	0.05		NE	5
3.30- 5.30		0.12				
5.30- 6.00		0.07		E		
6.00- 6.30		0.09		E	4.5	
6.30- 7.00		0.18		SE	5	
7.00- 7.30		0.51				
7.30- 8.00		0.26				
8.00- 8.30		0.195		E	5	
8.30- 9.00		0.295				
9.00- 9.30		0.26				
50	9.30-10.00	0.29				
	10.00-10.30	0.24		SE	9	
	10.30-11.00	0.11				
	11.00-11.30	0.14				

## EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

In the  
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Date 1944	Time	SO2 in p.p.m. Cupolas	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Dec. 29	11.30-12.00	0.09		E	10
	12.00-15.00	0.12			
	15.00-15.30	0.13		NE	12
	15.30-16.00	0.125			
	16.00-16.30	0.85			
	16.30-19.00	Trace			
	19.00-21.00	0.08		E	10
	21.30-22.30	0.10			
	22.30-24.00	0.12		E	9
	Dec. 30	0.00- 0.30	0.10		E
0.30- 1.30		0.17			
1.30- 2.30		0.05		E	1
2.30- 3.00		Trace			
3.00- 3.30		0.06			
3.30- 4.00		0.16			
4.00- 4.30		0.12			
4.30- 5.00		0.08		SW	2
5.00- 5.30		0.11			
5.30- 6.00		0.09			
6.00- 6.30		0.18			
6.30- 7.30		0.10			
7.30- 8.00		0.23			
8.00- 8.30		0.14		S	8
8.30- 9.00	0.12		S	8	
9.00- 9.30	0.18				
9.30-10.00	0.12		SW	2	
10.00-12.00	0.08				
Dec. 30	12.00 Noon to Jan. 2, 1945, 9.00 a.m.—Recorder not operated.				
Jan. 2	9.00-11.00	0.06		SW	24
	11.00-12.00	0.09			
	12.00-13.00	0.05		SW	26
	13.00-14.00	0.08		SW	23.5
	14.00-15.00	0.06			
	15.00-16.00	0.12			
	16.00-17.00	Trace			
	17.00-17.30	0.09		SW	15
	17.30-19.00	0.12			
	19.00-21.00	0.10			
	21.00-21.30	0.08		SW	12
	21.30-22.00	0.12			
	22.00-22.30	0.07			
	22.30-23.00	Trace			
23.00-23.30	0.085				
23.30-24.00	0.05				

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
Jan. 3  10	0.00- 2.00	Trace		SW	8	
	2.00- 4.00	Zero		S	4	
	4.00- 4.30	Trace				
	4.30- 5.00	0.08				
	5.00- 5.30	0.06				
	5.30- 6.00	0.10		SW	7.5	
	6.00- 9.30	Trace				
	9.30-13.00	0.06		SW	13	
	13.00-14.00	0.12		SW	16.23	
	14.00-15.00	0.08				
	15.00-15.30	0.17				
	15.30-16.00	0.175				
	16.00-16.30	0.10				
	16.30-17.00	0.05		SW	19	
20	17.00-19.00	Trace				
	19.00-21.00	Trace		SW	16	
	21.00-22.00	0.05				
	22.00-22.30	Trace		W	6.5	
	22.30-23.30	0.06				
	23.30-24.00	Trace				
	Jan. 4  30	0.00- 1.00	0.06		W	8
		1.00- 1.30	Trace			
1.30- 6.00		Zero		SW	6.5	
6.00- 6.30		0.105				
6.30- 9.30		Zero		SW	6	
9.30-11.30		Trace		SW	9	
11.30-12.30		0.12				
12.30-15.00		0.16		W	13	
15.00-15.30		0.125				
15.30-16.00		0.085				
16.00-17.00		Trace		SW	13	
17.00-20.00		Zero		SW	7	
20.00-20.30		Trace				
20.30-21.30		Zero				
21.30-22.00	Trace					
22.00-22.30	Zero					
22.30-23.00	0.12					
23.00-00.30	0.08					
Jan 5  40	00.30- 2.30	Zero		SW	16	
	2.30- 3.00	0.06				
	3.00- 3.30	Trace				
	3.30- 5.00	Zero		SW	10	
	5.00- 7.00	Trace		SW	14	
	7.00- 8.00	0.05				
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## EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Jan. 4	8.00- 8.30	0.10		SW	17
	8.30- 9.00	0.06			
	9.00-10.00	0.10			
	10.00-10.30	0.08			
	10.30-13.00	0.10			
	13.00-14.30	0.08		SW	17
Jan. 5	14.30-15.00	0.12			
	15.00-15.30	0.12			
	15.30-16.00	0.09		SW	14
	16.00-24.00	Zero		SW	14.11
Jan. 6	0.00- 3.00	Zero		S	3
	3.00- 3.30	Trace			
	3.30- 4.30	0.08			
	4.30- 5.00	0.10		E	7.5
	5.00- 5.30	0.06			
	5.30- 6.30	0.07			
	6.30- 7.00	0.13			
	7.00- 7.30	0.28			
	7.30- 8.00	0.195			
	8.00- 8.30	0.25		E	8.5
	8.30- 9.00	0.215			
	9.00- 9.30	0.20			
	9.30-10.30	0.15			
	10.30-11.00	0.12			
	11.00-11.30	0.08			
	11.30-12.00	0.06			
	12.00-13.00	Trace		E	10
	13.00-19.30	Zero		NE	12
19.30-20.00	0.06		E	13	
20.00-22.30	0.08		E	13	
22.30-24.00	Trace				
Jan. 7	0.00- 1.00	Trace		E	15
	1.00- 3.30	0.06			
	3.30- 4.30	0.10			
	4.30- 5.30	0.06		E	13
	5.30- 6.00	0.05			
	6.00- 6.30	0.10			
	6.30- 7.00	0.09			
	7.00- 9.00	0.10		NE	9
	9.00-10.00	0.12			
	10.30-12.30	0.15		NE	5
	12.30-13.00	0.175			
	13.00-14.00	0.15		N	3
	14.00-16.00	0.12			

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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 7 16.00-17.00	0.14		Calm	1
	17.00-20.00	0.10			
	20.00-21.00	0.14			
	21.00-22.30	0.16		NE	3
	22.30-23.00	0.175			
	23.00-23.30	0.12			
	23.30-24.00	0.08			
20	Jan. 8 0.00- 3.00	Trace		SW	4
	3.00- 6.00	0.05		SW	2.5
	6.00- 7.00	0.08		SW	7
	7.00- 8.00	0.05			
	8.00-11.00	0.10		SW	6
	11.00-11.30	0.16		SW	8
	11.30-12.00	0.055			
	12.00-12.30	0.13			
	12.30-13.00	0.13		SW	10
	13.00-14.30	0.14			
	14.30-16.30	0.16			
	16.30-18.00	0.10		SW	5.5
	18.00-19.00	0.06			
	19.00-19.30	0.06		SW, NW	9.5
	19.30-20.30	0.08			
30	20.30-21.30	0.06			
	21.30-22.00	0.185			
	22.00-22.30	Trace		NW	12.5
	22.30-24.00	Zero			
40	Jan. 9 0.00- 6.00	Zero		NW	13
	6.00- 8.00	Trace		NW	13
	8.00-10.00	Zero		NW	12
	10.00-11.30	Trace			
	11.30-14.00	0.06		NW	11
	14.00-15.00	0.05			
	15.00-16.30	Trace			
	16.30-17.00	Zero		NW	9
	17.00-18.00	0.04			
	18.00-19.00	Trace		W	10.5
	19.00-21.00	Zero			
21.00-24.00	Trace		NW, W	9-4	
50	Jan. 10 0.00- 1.30	0.06		S	4
	1.30- 7.00	Zero		S	3.5
	7.00- 7.30	0.06			
	7.30- 8.00	0.12			
	8.00-10.30	Zero		S	3
	10.30-11.00	Trace			
	11.00-12.00	Zero			
12.00-13.00	Trace		S	4	

## EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 10	13.00-14.30	Zero		SW	6
		14.30-15.00	Trace		SW	8
		15.00-15.30	0.06			
		15.30-18.30	0.04		W	6
		18.30-19.30	Zero			0
		19.30-20.00	0.10		SE	5
		20.00-21.00	0.10		SE and SW	4-8
		21.00-22.30	0.12			
		22.30-24.00	0.06			
20	Jan. 11	0.00- 0.30	0.04		SW	8
		0.30- 3.00	0.06			
		3.00- 5.30	0.10		SW	4-8
		5.30- 6.00	0.06		SW and S	3-6
		6.00- 7.00	0.05			
		7.00- 9.30	Trace			
		9.30-10.30	Zero			
		10.30-11.30	Trace			
		11.30-12.00	0.06		SW	7-10
		12.00-14.00	0.10			
		14.00-14.30	Trace			
		14.30-15.30	0.06			
30		15.30-16.00	0.10			
		16.00-16.30	0.06		S	2-8
		16.30-20.00	Zero		S	4
		20.00-21.00	0.05		SE	6
		21.00-21.30	0.06		SE	10
		21.30-22.00	0.10		SW	8
		22.00-22.30	0.07		SE and SW	10
		22.30-23.30	0.06		SW and E	9
		23.30-24.00	0.06	SE and W	11	
40	Jan. 12	0.00- 0.30	0.10			
		0.30- 2.00	0.12			
		2.00- 3.00	0.08			
		3.00- 4.30	0.06			
		4.30- 9.00	Trace		SW and E	17
		9.00-10.30	0.06		SW	18
		10.30-11.00	0.12			
		11.00-11.30	0.15			
		11.30-13.30	0.10			
		13.30-14.00	0.16			
		14.00-14.30	0.24		W	16
		14.30-15.00	0.30			
50		15.00-15.30	0.26			
		15.30-18.00	Zero			

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 12	18.00-18.30	0.18	SW	11
		18.30-19.30	0.10		
		19.30-20.30	0.08		
		20.30-21.00	0.12		
		21.00-21.30	0.06	NW	11
		21.30-23.00	0.08		
		23.00-24.00	0.05		
20	Jan. 13	0.00- 0.30	0.05	N	13
		0.30- 1.00	0.07		
		1.00- 1.30	0.10		
		1.30- 2.30	0.06		
		2.30- 3.00	0.05		
		3.00- 5.00	0.12	N	11
		5.00- 7.30	0.12		
		7.30- 9.00	0.06	N	10
		9.00-10.00	0.08		
		10.00-11.30	0.12		
		11.30-12.00	0.06		
		12.00-14.00	Trace	NE	11
		14.00-16.00	Zero		
		16.00-17.00	Trace	NE	11
30		17.00-18.00	0.08		
		18.00-19.30	0.06		
		19.30-22.00	Trace	E	11
		22.00-22.30	Zero		
		22.30-23.00	0.06		
		23.00-23.30	Trace		
		23.30-24.00	Zero		
40	Jan. 14	0.00- 7.30	Zero	NE	14
		7.30- 9.00	Trace	NW	14
		9.00-10.00	Zero		
		10.00-10.30	Trace		
		10.30-11.30	0.06	E	16
		11.30-12.30	0.04		
		12.30-14.00	Trace		
	14.00-24.00	Zero	NE	15	
Jan. 15		0.00- 6.30	Zero	NE	13.5
		6.30- 7.00	Trace		
		7.00- 8.00	0.06	NE	15
		8.00-10.30	0.10	NE	14.5
		10.30-12.00	0.10		

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date	Time	SO2 in p.p.m.	Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
Jan. 16	12.00-13.00	0.06		NE	17	
	13.00-14.00	0.08				
	14.00-14.30	0.06				
	14.30-16.00	Trace				
	16.00-17.30	Zero		NE	18	
	17.30-18.00	Trace				
	18.00-18.30	0.10				
	18.30-21.00	Trace				
Jan. 16	21.00-24.00	Zero		NE	19	
	0.00- 9.30	Zero		NE	15	
	9.30-11.30	Trace		N	13	
	11.30-12.00	0.04				
	12.00-12.30	Trace				
	12.30-14.00	Zero		N	12	
	14.00-14.30	0.06				
	14.30-15.30	Zero				
Jan. 17	15.30-16.30	0.08				
	16.30-17.00	0.06				
	17.00-24.00	Zero		N	13	
	0.00- 8.30	Zero		NW	9	
	8.00-24.00	Zero		NW	9	
	Jan. 18	0.00- 9.00	Zero		S	4
		9.00-10.00	Trace			
		10.00-10.30	Trace			
10.30-12.00		0.12		S	3	
12.00-12.30		0.15		S	2	
12.30-13.00		0.23		S	4	
13.00-14.00		0.20		S	4	
14.00-14.30		0.12				
14.30-15.30		0.07		SW	5.5	
15.30-16.30		0.06		SW	4.5	
16.30-17.30		Trace		W	3	
17.30-18.00		Zero				
Jan. 19		18.00-18.30	0.08			
	18.30-20.30	Zero				
	20.30-21.00	Trace				
	21.00-21.30	0.05		SE	3	
	21.30-22.30	0.15				
	22.30-23.00	0.08				
	23.00-24.00	0.06		NW	4	
	0.00- 1.00	Trace		S and W	2	
1.00- 2.00	Zero					
2.00- 2.30	Trace					
2.30- 3.00	0.06					
3.00- 3.30	Trace					



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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 19	3.30- 4.30	0.06		
		4.30- 5.00	0.10		
		5.00- 7.00	0.06		
		7.00- 7.30	0.10		
		7.30- 8.00	0.30		
		8.00- 8.30	0.38	N	2
		8.30- 9.00	0.26		
		9.00- 9.30	0.24		
		9.30-10.30	0.12		
		10.30-11.30	0.10		
		11.30-13.30	Trace	N	6.5
		13.30-19.45	Zero		7
		19.45-24.00	No report		
20	Jan. 20	8.00- 8.30	0.30	SW	1
		8.30- 9.30	0.24		
		9.30-10.00	0.30		
		10.00-11.00	0.35	SW and NE	3.5
		11.00-11.30	0.27	NE	7
		11.30-12.00	0.20		
		12.00-12.30	0.10		
		12.30-13.00	0.06		
		13.00-13.30	0.04		
		13.30-14.00	0.06		
		14.00-15.30	Trace	NE	5
		15.30-16.30	Zero		
		16.30-17.30	Trace		
	17.30-18.00	0.05	E	2	
	18.00-19.30	0.08			
	19.30-20.30	0.14			
	20.30-23.30	Trace	S	3	
	23.30-24.00	0.05			
40	Jan. 21	0.00- 1.30	Trace	SW	4
		1.30- 2.00	0.08		
		2.00- 2.30	0.18		
		2.30- 3.00	0.08		
		3.00- 3.30	0.10		
		3.30- 4.00	0.14		
		4.00- 4.30	0.08	S	3
		4.30- 5.00	0.06		
		5.00- 6.00	Trace		
		6.00- 8.30	Zero		
50	Jan. 21	8.30-10.00	Trace	SW	6
		10.00-24.00	Zero	SW	8
	Jan. 22	0.00- 8.30	Zero	SW	9.5
		8.30-24.00	Zero	SW	11

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 23	0.00-19.00	Zero		W and NW	13
		19.00-20.00	0.05		S	4
		20.00-20.30	0.06			
		20.30-21.00	0.10			
		21.00-21.30	0.05			
		21.30-24.00	Trace			
20	Jan. 24	0.00- 5.00	Trace		W	7
		5.00- 6.30	Zero		NW	18.5
		6.30- 7.00	0.05			
		7.00-20.00	Zero		NW	20
		20.00-22.00	0.11		NW	20
		22.00-23.00	0.10		N	18
		23.00-23.30	0.12			
		23.30-24.00	0.08			
30	Jan. 25	0.00- 1.00	0.14		N	17
		1.00- 1.30	0.10			
		1.30- 3.30	0.06		NW	10
		3.30- 6.00	0.04			
		6.00- 6.30	0.06		SW	6.5
		6.30- 7.00	0.08			
		7.00- 8.00	Trace			
		8.00- 8.30	0.06		SW	7
		8.30- 9.00	0.06			
		9.00- 9.30	0.08			
		9.30-10.30	0.12			
		10.30-11.30	0.06			
		11.30-12.00	0.10			
		12.00-12.30	0.12		NW	7
		12.30-13.00	0.10			
13.00-15.00	Zero					
15.00-17.30	Trace		SW	6		
17.30-18.30	Zero					
18.30-19.30	Trace					
19.30-22.30	Zero		SW	4		
22.30-23.30	Trace					
23.30-24.00	Zero					
50	Jan. 26	0.00- 6.30	Zero		NW and S	4
		6.30- 7.00	0.05		SW	5
		7.00- 7.30	0.05			
		7.30- 8.00	0.07			
		8.00- 8.30	0.12		SW	5
		8.30- 9.00	0.14			
		9.00-10.00	0.10			
		10.00-11.30	0.15			
		11.30-12.00	0.06			
		12.00-13.30	Trace		SW	8

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Jan. 26	13.30-14.00	Zero			
		14.00-14.30	0.06			
		14.30-15.30	Trace			
		15.30-16.00	0.10			
		16.00-16.30	0.05		SW	
		16.30-18.30	Trace			
		18.30-21.30	Zero			
		21.30-22.30	Trace			
		22.30-23.30	Zero			
		23.30-24.00	0.10			
20	Jan. 27	0.00- 3.00	Trace	S	4	
		3.00- 8.00	Zero			
		8.00-13.00	Zero	SW	4	
		13.00-13.30	Trace	SW	8	
		13.30-14.30	0.08			
30	Jan. 27	14.30-15.00	0.06			
		15.00-15.30	Trace			
		15.30-16.30	Trace			
		16.30-18.00	Zero			
		18.00-20.00	Trace	S	3	
		20.00-24.00	Zero			
	40	Jan. 28	0.00- 0.30	0.08	S	3
			0.30- 1.00	0.10		
			1.00- 1.30	0.06		
			1.30- 2.00	0.16		
		2.00- 2.30	0.22			
		2.30- 3.00	0.06	Calm	1	
		3.00- 3.30	0.08			
		3.30- 4.00	0.32		3	
		4.00- 4.30	0.32	S		
		4.30- 5.00	0.20			
		5.00- 5.30	0.20			
		5.30- 6.00	0.35			
		6.00- 6.30	0.49	E	3	
		6.30- 7.00	0.67			
		7.00- 7.30	0.70			
50		7.30- 8.00	0.51			
		8.00- 8.30	0.39	E	8	
		8.30- 9.00	0.28			
		9.00- 9.30	0.14			
		9.30-10.00	0.08			
		10.00-10.30	0.12			
		10.30-11.30	0.10			
		11.30-12.00	0.06			
		12.00-13.30	Power Off	NE		
		13.30-14.30	0.06	NE	6	
	14.30-15.00	0.10				

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

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Date	Time	SO <sub>2</sub> in p.p.m.	Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.
1945					
Jan. 28	15.00-16.00	0.10			
	16.00-17.00	0.06			
	17.00-18.30	0.10			
	18.30-23.00	0.16		E	4
	23.00-24.00	0.10			
Jan. 29	0.00- 0.30	0.14		NW	15
	0.30- 1.30	0.10			
	1.30- 2.00	0.04			
	2.00- 3.00	Trace			
	3.00- 3.30	0.06			
	3.30- 4.00	0.08			
	4.00- 5.00	0.05		N	5
	5.00- 5.30	0.06			
	5.30- 6.30	0.04			
	6.30- 8.00	Trace			
	8.00- 8.30	Zero		SW	5.5
	8.30- 9.00	0.18			
	9.00- 9.30	0.08			
	9.30-10.00	0.06			
	10.00-11.00	0.08			
	11.00-12.00	Trace			
	12.00-12.30	0.10		SW	14
	12.30-13.00	0.12			
	13.00-13.30	0.20			
	13.30-14.30	0.12			
	14.30-15.00	0.22			
	15.00-16.00	0.15			
	16.00-17.00	0.12		SW	14
	17.00-18.00	0.08			
	18.00-19.00	0.06			
	19.00-20.00	Zero			
	20.00-21.00	0.12		W and SW	11
	21.00-22.00	0.06			
	22.00-22.30	0.04			
	22.30-24.00	Zero			
Jan. 30	0.00- 3.30	Zero		SW	8.5
	3.30- 4.00	Trace			
	4.00- 4.30	0.06		SW	9
	4.30- 5.30	Trace			
	5.30- 6.00	Zero			
	6.00- 7.00	0.06			
	7.00- 8.30	Zero			
	8.30- 9.00	0.08			
	9.00-10.00	0.12		SW	13
	10.00-12.00	0.14			

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Jan. 30	12.00-12.30	0.10	SW	14
		12.30-14.00	0.17		
		14.00-15.00	0.22		
		15.00-15.30	0.10		
		15.30-16.00	0.23		
		16.00-16.30	Trace	SW	10
		16.30-17.00	0.12		
		17.00-18.30	0.06		
		18.30-22.30	Trace	SW	12
		22.30-23.30	0.11		
	23.30-24.00	0.06			
20	Jan. 31	0.00- 3.00	Zero	SW	16
		3.00- 3.30	0.18		
		3.30- 4.30	Trace		
		4.30- 6.00	Zero		
		6.00- 7.00	0.10		
		7.00- 9.30	0.12	SW	15
		9.30-10.00	0.10		
		10.00-11.00	0.16		
		11.00-11.30	0.18		
		11.30-12.00	0.12		
30		12.00-13.30	0.10	SW	19.5
		13.30-14.00	0.18		
		14.00-15.00	0.23		
		15.00-15.30	0.20		
		15.30-16.00	0.16		
		16.00-16.30	Trace	SW	21
		16.30-17.00	0.06		
		17.00-17.30	0.08		
		17.30-18.30	0.05		
		18.30-19.00	Trace		
	19.00-24.00	Zero	SW and N	15	
40	Feb. 1	0.00- 1.00	Trace	NW	13
		1.00- 2.30	0.08		
		2.30- 3.00	Trace		
		3.00- 6.00	Zero		
		6.00- 6.30	0.06	NW	13
		6.30- 7.30	0.10		
		7.30- 8.00	0.22	W	8
		8.00- 8.30	0.16	NW	13
		8.30- 9.00	Trace		
		9.00-12.30	Zero		
	12.30-13.00	Trace	W and SW	11	

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Feb. 1	13.00-14.00	0.08			
		14.00-14.30	0.26	SW	12	
		14.30-15.00	Trace			
		15.00-15.30	0.10			
		15.30-16.00	0.22			
		16.00-16.30	0.08	W	15	
		16.30-17.00	Trace			
		17.00-17.30	0.08			
		17.30-18.00	0.05			
		18.00-18.30	Trace			
		18.30-19.30	0.08			
		19.30-20.00	0.06			
		20.00-21.30	Zero	W	13	
20		21.30-22.30	0.06			
		22.30-23.30	0.10			
		23.30-24.00	0.12			
	30	Feb. 2	0.00- 0.30	0.10	NW	11
			0.30- 1.00	Trace		
			1.00- 7.00	Zero		
			7.00- 7.30	Trace		
			7.30- 8.00	0.10		
			8.00- 9.30	0.06	SW	12.5
			9.30-10.00	0.10		
			10.00-10.30	0.26	W	10
			10.30-11.00	0.12	SW	9
			11.00-13.30	0.05	NW	10
		13.30-15.00	0.07	W	10	
		15.00-15.30	0.12			
		15.30-16.00	Trace			
40		16.00-17.00	Zero			
		17.00-17.30	Trace			
		17.30-18.00	0.06			
		18.00-19.00	0.08	NW	13	
		19.00-19.30	0.06			
		19.30-20.00	0.10			
		20.00-20.30	0.06			
		20.30-21.30	0.10			
		21.30-22.30	0.12			
		22.30-23.00	0.10			
		23.00-24.00	0.06			
	50	Feb. 3	0.00- 0.30	0.06	NW and SW	7
			0.30- 2.30	Trace		
		2.30- 3.00	0.05			
		3.00- 3.30	0.12			
		3.30- 4.00	0.08			
		4.00- 4.30	0.10	NW	6	
		4.30- 6.00	0.10			
	6.00- 6.30	Trace				

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Feb. 3 6.30-10.30	Zero		NW	8	
	10.30-11.00	0.12		W	10	
	11.00-12.00	0.15		SW	6	
	12.00-13.00	Trace		NW	8	
	13.00-14.00	Zero		W and S	5	
	14.00-15.00	Trace				
	15.00-19.00	Zero				
	19.00-19.30	Trace				
	19.30-20.00	0.08				
	20.00-20.30	0.10		S	4.5	
20	20.30-21.00	0.08				
	21.00-21.30	0.10				
	21.30-22.00	0.16				
	22.00-23.00	0.08				
	23.00-24.00	Trace				
	30	Feb. 4 0.00- 0.30	0.10		S	6
		0.30- 1.00	0.04			
		1.00- 1.30	0.10			
		1.30- 2.00	0.04			
		2.00- 3.00	0.14			
3.00- 4.00		0.15				
4.00- 4.30		0.23				
4.30- 5.00		0.17				
5.00- 5.30		0.16				
5.30- 6.30		0.12				
40	6.30- 7.00	0.10				
	7.00- 8.30	0.07				
	8.30- 9.00	0.12		S	5.5	
	9.00- 9.30	0.16				
	9.30-10.30	0.20				
	10.30-11.00	0.40		SW	5	
	11.00-11.30	0.64		E	3	
	11.30-12.30	0.54				
	12.30-13.00	0.36		N	4	
	13.00-13.30	0.28		N	6	
50	Feb. 4 13.30-14.00	0.30				
	14.00-14.30	0.20		NE	7	
	14.30-15.00	0.12				
	15.00-15.30	0.10				
	15.30-16.30	0.06				
	16.30-17.00	0.06				
	17.00-18.00	0.12				
	18.00-19.00	0.16		E and NE	7	
	19.00-19.30	0.08				
	19.30-20.00	0.12				
50	20.00-21.00	0.13				
	21.00-21.30	0.22		E	2	
	21.30-22.00	0.14		NW	3	
	22.00-23.30	0.10				
	23.30-24.00	0.06				

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Feb. 5	0.00- 0.30	0.12		SW	13
	0.30- 2.30	0.06			
	2.30- 3.30	0.04			
	3.30- 4.30	Trace			
	4.30- 5.30	0.06		NW	12
	5.30- 6.00	Trace			
	6.00- 9.00	Zero			
	9.00-17.30	Zero		NW and SW	7
	17.30-18.30	Trace		SW	
	18.30-19.00	0.08			6
	19.00-19.30	0.06			
	19.30-21.30	Trace			6
	21.30-22.00	0.04		SW	
	22.00-23.00	0.08			
23.00-24.00	0.09				
Feb. 6	0.00- 1.00	Trace		SW	8
	1.00- 2.00	Zero			
	2.00- 2.30	Trace			
	2.30- 4.30	0.04			
	4.30- 5.30	0.06			
	5.30- 7.00	0.06			
	7.00- 7.30	0.10			
	7.30- 8.00	0.12			
	8.00- 8.30	0.10		SW	
	8.30- 9.00	0.06			8
	9.00- 9.30	0.04			
9.30-24.00	Zero				
Feb. 7	0.00- 8.30	Zero		S	3
	8.30- 9.00	0.20		SE	
	9.00- 9.30	0.18			4
	9.30-10.00	0.34			
	10.00-10.30	0.20		S	
	10.30-11.00	0.23		E	4
	11.00-11.30	0.12		NE	
	11.30-12.00	0.10			8
	12.00-12.30	Trace		NE	
	12.30-17.00	Zero			11
	17.00-17.30	0.05			
	17.30-18.00	Trace			
	18.00-20.00	0.05		E	17
20.00-22.00	0.04				
22.00-24.00	Trace				



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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Feb. 8	0.00- 1.30	Zero	E	14
		1.30- 3.30	Trace		
		3.30- 4.00	0.04		
		4.00- 4.30	0.06	NE	8
		4.30- 5.00	0.10		
		5.00- 5.30	0.12		
		5.30- 6.00	0.12		
20	Feb. 8	6.00- 7.00	0.16		
		7.00- 7.30	0.20		
		7.30- 8.00	0.17		
		8.00- 8.30	0.13	NE	1.5
		8.30- 9.00	0.30		
		9.00- 9.30	0.22	Calm	0
		9.30-10.00	0.16		
		10.00-10.30	0.22	N	1
		10.30-11.00	0.30		
		11.00-11.30	0.34	N	2
		11.30-12.00	0.40		
		12.00-13.00	0.35	NW	1
		13.00-13.30	0.30	Calm	0
		13.30-14.00	0.20	NW	3
30		14.00-14.30	0.18	NE	2
		14.30-15.30	0.10	N	3
		15.30-16.30	0.08		
		16.30-18.00	0.10		
		18.00-19.00	0.08		
		19.00-19.30	Trace		
		19.30-20.00	0.06		
		20.00-21.30	Trace	SW	2.5
		21.30-22.30	0.08		
		22.30-24.00	0.06		
40	Feb. 9	0.00- 2.30	0.04	SW	7
		2.30- 3.00	0.06		
		3.00- 3.30	0.12		
		3.30- 4.00	0.14		
		4.00- 4.30	0.12	SW	13
		4.30- 5.00	0.10		
		5.00- 6.00	0.06		
		6.00- 6.30	0.12		
		6.30- 7.00	0.06		
		7.00- 7.30	0.12		
		7.30- 8.00	0.10		
		8.00- 9.00	0.10	SW	12
	50		9.00-10.00	0.10	
		10.00-10.30	0.15		
		10.30-11.00	0.13		
		11.00-12.00	0.06		
		12.00-12.30	0.05	SW	8
		12.30-13.00	0.11		

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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Feb. 9	13.00-14.00	0.08			
		14.00-14.30	0.06			
		14.30-15.00	0.06			
		15.00-17.00	0.10			
		17.00-18.30	0.11		S and E and W	6
		18.30-19.00	0.10			
		19.00-20.30	0.10			
		20.30-21.00	0.08		SW	10
		21.00-22.00	0.06			
		22.00-24.00	0.08			
	Feb. 10	0.00- 0.30	0.07		SW	8
		0.30- 2.30	0.10			
20		2.30- 3.30	0.12			
		3.30- 5.00	0.10			
		5.00- 7.00	0.10			
		7.00- 7.30	0.06			
		7.30- 8.00	0.12			
		8.00- 8.30	0.08		SW	5
		8.30-11.30	0.06			
		11.30-12.30	0.05		S	3
		12.30-13.00	0.08			
		13.00-13.30	0.10			
		13.30-14.00	0.12			
30		14.00-16.00	0.10			
		16.00-16.30	0.12			
		16.30-17.30	0.10		S and W	4
	Feb. 10	17.30-19.00	0.12		S and W	8
		19.00-19.30	0.06			
		19.30-20.00	0.05			
		20.00-21.00	Trace			
		21.00-21.30	0.12		SW	13
		21.30-22.00	Trace			
40		22.00-22.30	0.05			
		22.30-23.00	Trace			
		23.00-24.00	Zero			
	Feb. 11	0.00- 1.30	Trace		SW	14
		1.30- 8.30	Zero			
		8.30- 8.55	Power Off		W	
		8.55-11.30	Zero		SW	15
		11.30-11.55	Power Off		SW	
		11.55-24.00	Zero		SW	11
	Feb. 12	0.00- 4.30	Zero		S	4
50		4.30- 7.00	Trace		SW	3
		7.00- 7.30	0.05		SW	2
		7.30- 8.00	0.06		W	4
		8.00- 8.30	0.05		SW	6

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Feb. 12	8.30- 9.00	0.07			
		9.00- 9.30	0.10			
		9.30-10.00	0.10			
		10.00-11.00	0.08			
		11.00-11.30	0.10	W	7	
		11.30-12.00	0.06			
		12.00-19.00	Zero	W	7	
		19.00-20.00	Trace	N	1	
		20.00-22.30	0.07	S	3.5	
		22.30-23.30	0.20			
	23.30-24.00	0.16				
20	Feb. 13	0.00- 0.30	0.12	S	1.5	
		0.30- 1.00	0.18			
		1.00- 1.30	0.20			
		1.30- 2.00	0.26			
		2.00- 2.30	0.24	E	6	
		2.30- 3.00	0.40			
		3.00- 3.30	0.22			
		3.30- 4.00	0.13			
		4.00- 4.30	0.20			
		4.30- 5.30	0.11			
30		5.30- 6.00	0.16			
		6.00- 6.30	0.20			
		6.30- 7.00	0.22			
		7.00- 7.30	0.36			
		7.30- 8.00	0.28			
		8.00- 8.30	0.22	NE	12.5	
		8.30- 9.00	0.15			
		9.00-10.00	0.16			
		10.00-10.30	0.13			
		10.30-11.00	0.17			
40		11.00-12.00	0.10			
		12.00-12.30	0.06	NE	19	
		12.30-13.00	0.14			
		13.00-14.00	0.10			
		14.00-15.00	0.06			
		15.00-16.00	0.06			
		16.00-19.00	Trace	NE	19	
		19.00-24.00	Zero			
	50	Feb. 14	0.00- 4.00	Zero	NE	9.5
			4.00- 5.00	Trace	N	8
		5.00- 7.00	0.06			
		7.00- 8.00	0.04			
		8.00- 9.00	0.05	NW	6	

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Feb. 14	9.00- 9.30	Trace		N	3
		9.30-10.00	0.06			
		10.00-10.30	0.08		W	7
		10.30-11.30	0.06			
		11.30-14.00	Trace		SW	5
		14.00-15.00	0.05			
		15.00-16.00	Trace			
		16.00-17.30	Zero			4
		17.30-18.30	Trace			3
		18.30-19.30	0.05		S	
		19.30-22.30	0.10		S	
		22.30-23.30	0.08			
		23.30-24.00	0.06			
20	Feb. 15	0.00- 1.00	0.05		SW	8
		1.00- 1.30	0.04			
		1.30- 3.30	0.10			
		3.30- 4.00	0.06			
		4.00- 5.00	0.10		SW	4.5
		5.00- 6.00	0.07			
		6.00- 6.30	0.12			
		6.30- 7.00	0.10			
		7.00- 8.00	0.06			
		8.00- 8.30	0.04		SW	4
30		8.30- 9.30	0.10		S	2
		9.30-10.30	0.20			
		10.30-11.00	0.17			
		11.00-11.30	0.12		SW	5
		11.30-12.00	0.14			
		12.00-12.30	0.20		E	6
		12.30-14.00	0.12		E	5
		14.00-14.30	0.10		E	11
		14.30-15.30	0.10			
		15.30-17.00	Trace			
40		17.00-18.00	Zero			
		18.00-18.30	Trace			
		18.30-19.30	0.06		E	4
		19.30-20.00	0.20		S	4
		20.00-20.30	0.10			
		20.30-24.00	Zero		SW	13
	Feb. 16	0.00- 6.30	Zero		SW	20
		6.30- 7.00	0.06			
		7.00- 8.00	0.07			
50		8.00- 8.30	0.08		SW	20
		8.30- 9.30	0.10			
		9.30-10.00	0.04			
		10.00-11.00	Trace			
		11.00-11.30	0.05			
		11.30-12.00	0.06			

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Feb. 16	12.00-12.30	0.10		
		12.30-13.00	0.05		
		13.00-14.30	0.12		
		14.30-16.00	0.16		
		16.00-16.30	0.15		19
		16.30-17.30	0.08	SW	
		17.30-18.00	0.06		
		18.00-20.30	Trace		
		20.30-22.00	0.06	W	13
		22.00-22.30	0.10		
	22.30-24.00	0.06			
20	Feb. 17	0.00- 1.00	0.05	W and SW	9
		1.00- 1.30	Trace		
		1.30-11.00	Zero		
		11.00-12.00	Trace	W	9
		12.00-24.00	Zero	SW and W	9
Feb. 18	0.00-24.00	Zero	SW	11	
30	Feb. 19	0.00- 5.30	Zero	W	8
		5.30- 6.30	Trace	SE	8
		6.30- 7.30	0.06		
		7.30- 9.00	0.08		
		9.00-10.00	0.06		
		10.00-11.00	0.12		
		11.00-11.30	0.14	NW	6
		11.30-24.00	Zero	SW	5
Feb. 20	0.00-16.30	Zero	S	4.5	
	16.30-24.00	Recorder not operated			
40	Feb. 21	0.00- 8.30	Recorder not operated		
		8.30- 9.00	Zero	E	8
		9.00- 9.30	Trace		
		9.30-10.00	0.16		
		10.00-10.30	0.12		
		10.30-11.00	0.08		
		11.00-11.30	0.05		
		11.30-24.00	Zero	E	11
Feb. 22	0.00-11.00	Zero	SW and SE	13	
	11.00-12.00	Trace	SW	23	
	12.00-12.30	Zero			
	12.30-14.30	Trace			
	14.30-15.00	0.06			
	15.00-15.30	0.12			
	15.30-16.00	0.10			
16.00-24.00	Zero				

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EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date	Time	SO2 in p.p.m. Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Feb. 23	0.00- 3.30	Zero	SW	19
		3.30- 7.30	Trace		
		7.30- 9.30	0.07		
10		9.30-11.30	0.06	SW	19
		11.30-12.30	0.05		
		12.30-13.30	0.06		
		13.30-14.00	0.10		
		14.00-14.30	0.12		
		14.30-15.00	0.10	W	17
		15.00-16.00	0.07		
		16.00-17.00	0.06		
		17.00-17.30	0.10		
		17.30-18.00	0.12		
20		18.00-20.00	0.10		
		20.00-20.30	0.08	S and S	13
		20.30-22.00	Trace		
		22.00-22.30	0.08		
		22.30-23.00	0.10		
		23.00-23.30	0.08		
		23.30-24.00	Trace		
	Feb. 24	0.00- 5.30	Zero	SW	15
		5.30- 6.00	Trace		
		6.00- 6.30	0.06		
30		6.30- 7.30	0.10		
		7.30- 8.00	0.06		
		8.00- 9.00	0.10	SW	14
		9.00- 9.30	0.12		
		9.30-10.00	0.08		
		10.00-10.30	0.10		
		10.30-11.00	0.08		
		11.00-11.30	0.12		
		11.30-12.30	0.08		
40		12.30-13.30	0.12		
		13.30-14.00	0.10		
		14.00-15.00	0.08		
		15.00-17.30	Trace		
		17.30-19.30	Zero	SW	5.5
		19.30-22.00	Trace		
		22.00-23.00	0.06		
		23.00-24.00	0.08	S	2
	Feb. 25	0.00- 0.30	0.16	S	
		0.30- 8.30	No Record		
		8.30- 9.00	Zero	SW	4
50		9.00- 9.30	Trace	S	3

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Feb. 25	9.30-10.00	0.06			
		10.00-10.30	0.08			
		10.30-11.00	0.08			
		11.00-11.30	0.05			
		11.30-12.00	Trace			
		12.00-12.30	0.05			
		12.30-13.00	0.10			
		13.00-13.30	0.08			
		13.30-14.30	0.05			
		14.30-15.00	Trace		N and W	2.5
		15.00-16.00	0.10			
		16.00-16.30	0.12			
		16.30-17.00	0.17		NE	7
	20		17.00-19.00	0.20		
		19.00-19.30	0.13	E	8	
		19.30-20.00	0.18			
		20.00-20.30	0.20			
		20.30-21.00	0.26	SE	9	
		21.00-21.30	0.50			
		21.30-23.00	0.26	E	5	
		23.00-23.30	0.24			
30	Feb. 26	0.00- 2.00	0.05	SE	7	
		2.00- 6.00	Trace	S	3	
		6.00- 6.30	0.06	S	2	
		6.30- 8.00	0.08	S	10	
		8.00- 8.30	0.06	S and E	11.5	
		8.30- 9.00	0.08			
		9.00-10.00	0.10			
		10.00-10.30	0.08			
		10.30-11.00	Trace			
		11.00-16.00	Zero	SW and E	9	
		16.00-16.30	Trace	SW	16	
40		16.30-17.00	0.05			
		17.00-18.00	Trace	W and SW	13	
		18.00-19.00	0.05			
		19.00-19.30	Trace			
		19.30-24.00	Zero			
50	Feb. 27	0.00- 3.00	Zero	SW	18	
		3.00- 4.30	0.04			
		4.30- 5.30	0.06			
		5.30- 7.00	0.10			
		7.00- 8.00	0.12			
		8.00- 9.30	0.10	W and S	17	
		9.30-24.00	Zero			
Feb. 28	0.00-24.00	Zero	S and NE	7.5		

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Mar. 1	0.00-12.00	Zero		SW	8
		12.00-14.00	Trace		SW	11
		14.00-14.30	0.06			
		14.30-15.00	0.08			
		15.00-15.30	0.06			
		15.30-16.00	0.08			
		16.00-16.30	0.05			
		16.30-24.00	Zero		SW	15
20	Mar. 2	0.00- 9.30	Zero		SW	9
		9.30-10.00	Trace		SW	14
		10.00-12.00	0.05			
		12.00-12.30	Trace			
		12.30-13.30	0.06			
		13.30-15.00	0.04			
		15.00-15.30	Trace			
15.30-24.00	Zero		SW and S	7		
Mar. 3	0.00-24.00	Zero		SW and W	13	
Mar. 4	0.00-24.00	Zero		NW and NE	7	
30	Mar. 5	0.00- 8.15	Zero		E	2.5
		8.15- 8.45	Not operated			
		8.45-10.00	Trace		S	1
		10.00-10.30	0.08		SE	1
		10.30-11.30	Trace		SW and S	6
		11.30-24.00	Zero			
Mar. 6	0.00- 8.30	Zero		SW	9	
	8.30-	No record				
Mar. 8	-16.40	No Record				
	16.40-24.00	Zero		W	3	
Mar. 9	0.00-24.00	Zero		SW	8	
Mar. 10	0.00-24.00	Zero		SW and NE	5	
40	Mar. 11	0.00-19.30	Zero		SW	3.5
		19.30-20.00	0.05		SE	4
		20.00-20.30	0.07			
		20.30-21.00	0.12			
		21.00-21.30	0.16			
		21.30-22.00	0.18			
		22.00-23.00	0.12			
		23.00-23.30	0.26		S	4
23.30-24.00	0.32					



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McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO <sub>2</sub> in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Mar. 12	0.00- 0.30	0.30	SE	6	
		0.30- 1.00	0.25			
		1.00- 1.30	0.10			
		1.30- 8.00	No Record			
		8.00-10.00	Zero	SW	12	
		10.00-11.30	Trace			
		11.30-12.00	0.08			
		12.00-13.00	0.10			
		13.00-13.30	0.12			
		13.30-14.00	0.05	W	11	
		14.00-14.30	0.04			
		14.30-15.00	Trace			
	20		15.00-21.00	Zero		
			21.00-22.00	Trace		
		22.00-22.30	0.06			
		22.30-24.00	0.05			
Mar. 13		0.00- 1.00	Trace	SW	6	
		1.00- 8.00	Zero			
30		8.00- 8.30	Trace	SW	3	
		8.30- 9.00	Zero			
		9.00- 9.30	0.04			
		9.30-10.00	0.05			
		10.00-11.00	0.06	W	5	
		11.00-11.30	Trace	SW	9	
		11.30-12.00	0.04			
		12.00-12.30	0.08			
		12.30-13.00	0.06			
		13.00-13.30	0.07	Calm	0	
		13.30-14.00	0.10			
		14.00-14.30	0.06			
		14.30-15.30	Trace			
		15.30-24.00	Zero	SW and S	7	
40	Mar. 14	0.00-10.40	Zero	S and SW	7	
		10.40-11.05	No Record			
		11.05-11.30	Zero	SW	13	
		11.30-13.00	Trace			
		13.00-13.30	0.05			
		13.30-14.00	Trace			
		14.00-15.00	0.04			
		15.00-16.00	0.05			
		16.00-17.30	Trace			
		17.30-18.30	0.05			
	50		18.30-19.30	Trace	SW	8
			19.30-20.00	Zero		
			20.00-20.30	Trace		
			20.30-23.00	Zero		
		23.00-24.00	Trace			

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Mar. 15	0.00- 2.30	Zero		SW	6
		2.30- 5.00	Trace			
		5.00- 6.00	0.06			
		6.00- 6.30	0.05			
10		6.30- 8.15	No Record			
		8.15- 8.30	0.10		S and W	2
		8.30- 9.00	0.08			
		9.00- 9.30	0.12			
		9.30-10.00	0.12			
		10.00-10.30	0.16			
		10.30-11.00	0.14			
		11.00-12.00	0.06			
20		12.00-12.30	0.05		SW	8
		12.30-13.30	0.06			
		13.30-14.00	0.05			
		14.00-14.30	Trace			
		14.30-15.00	0.40		S	7
		15.00-15.30	0.13			
		15.30-16.00	0.11		SE	8
		16.00-16.30	0.14			
		16.30-18.30	Trace			
		18.30-19.00	0.20			
30		19.00-19.30	0.15			
		19.30-20.00	0.13			
		20.00-20.30	0.07			
		20.30-21.00	0.15			
		21.00-21.30	0.16			
		21.30-22.00	0.20			
		22.00-23.30	Trace			
		23.30-24.00	0.07			
	Mar. 16	0.00- 1.00	0.05		SE and SW	8.5
		1.00- 2.00	Trace			
40		2.00- 6.00	Zero			
		6.00- 6.30	0.04			
		6.30- 7.30	Trace			
		7.30- 8.30	0.04			
		8.30-10.30	0.05		SW	10.5
		10.30-11.00	0.10			
		11.00-11.30	Trace			
		11.30-12.00	0.06			
		12.00-12.30	Trace			
		12.30-13.00	0.07			
50		13.00-13.30	0.09			
		13.30-14.00	0.12			
		14.00-15.00	0.06			
		15.00-15.30	0.10			
		15.30-16.00	0.18			
		16.00-16.30	0.12			

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Mar. 16	16.30-18.00	0.07			
		18.00-18.30	0.05			
		18.30-19.00	0.07			
		19.00-19.30	0.05			
		19.30-21.30	Trace		S	4
		21.30-24.00	Zero			
20	Mar. 17	0.00-11.00	Zero		W	3
		11.00-12.00	Trace			
		12.00-14.30	Trace		E and W	3
		14.30-15.00	0.06		SW	25
		15.00-15.30	0.08			
		15.30-16.00	0.10			
		16.00-17.00	0.06			
		17.00-18.00	Trace			
		18.00-19.30	Trace			
		19.30-24.00	Zero		W	19
30	Mar. 18	0.00- 5.30	Zero			
		5.30- 9.00	No Record		SW	7.5
		9.00- 9.30	Zero		SW	10
		9.30-10.00	Trace			
		10.00-10.30	0.04			
		10.30-11.30	Zero			
		11.30-12.30	Trace			
		12.30-14.00	0.04			
		14.00-19.30	Zero			
		19.30-20.00	0.06		SE	4
		20.00-20.30	0.10			
		20.30-21.00	0.12			
		21.00-21.30	0.06		S	6
		21.30-22.30	Trace			
		22.30-23.00	0.04		SE	6
23.00-23.30	0.15					
23.30-24.00	0.20					
40	Mar. 19	0.00- 0.30	0.24		E	2
		0.30- 1.00	0.22			
		1.00- 1.30	0.24			
		1.30- 2.00	0.30			
		2.00- 2.30	0.28			
		2.30- 3.00	0.23		SE	2
		3.00- 3.30	0.16		S and SW	5.5
		3.30- 4.00	0.10			
		4.00- 4.30	0.08			
		4.30- 5.30	Trace			
		5.30- 8.30	Trace			
		8.30- 9.00	0.05		S	1
9.00- 9.30	0.06		N	3		
9.30-11.00	0.06					
50						

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EXHIBIT NO. 135 — (Continued)  
AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	Mar. 19	11.00-11.30	0.04		S	3
		11.30-12.00	0.06			
		12.00-12.30	0.10			
		12.30-13.00	0.08			
		13.00-13.30	0.07		SW	8
		13.30-14.30	Trace		E	4
		14.30-15.00	0.10		S	5
		15.00-15.30	0.07		SW	8
		15.30-16.00	0.10			
		16.00-16.30	0.04			
		16.30-17.30	Trace			
		17.30-24.00	Zero		SW and S	5
	Mar. 20	0.00-24.00	Zero		SW and E	9
20	Mar. 21	0.00-24.00	Zero		N and NE	15
	Mar. 22	0.00-19.00	Zero		N	13
		19.00-19.30	Trace		E	4
		19.30-20.00	0.12		S	6
		20.00-20.30	Zero		S and E	5
		20.30-21.00	Trace			
		21.00-21.30	0.04			
		21.30-22.30	0.12		S	4
		22.30-23.00	0.08			
		23.00-23.30	0.04		SW	4
30		23.30-24.00	Trace			
	Mar. 23	0.00- 0.30	0.04		S and SW	3
		0.30- 4.00	Trace			
		4.00- 8.00	Zero			
		8.00- 8.30	0.04		S and SW	6
		8.30- 9.30	Trace			
		9.30-10.00	0.12			
		10.00-10.30	0.07			
		10.30-11.00	0.08			
		11.00-11.30	0.06			
40		11.30-12.00	0.07			
		12.00-12.30	0.06			
		12.30-14.00	0.06		W and N	6
		14.00-15.00	0.08		N	11
		15.00-15.30	0.10		NE	7
		15.30-16.00	0.06			
		16.00-16.30	0.05			
		16.30-17.00	0.04			
		17.00-18.30	0.05			
		18.30-19.30	0.04			
50		19.30-20.00	0.05			
		20.00-20.30	0.06		E	2
		20.30-21.00	0.11			
		21.00-21.30	0.05			

EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
Mar. 23	21.30-22.00	0.07		W	1	
	22.00-22.30	0.06				
	22.30-24.00	Trace				
10 Mar. 24	0.00- 2.00	Zero		SW and W	3	
	2.00- 2.30	Trace				
	2.30- 3.00	0.04				
	3.00- 3.30	0.06				
	3.30- 4.00	0.07				
	4.00- 4.30	Trace				
	4.30- 5.30	0.04				
	5.30- 6.00	Trace				
	6.00- 7.00	0.06				
	7.00- 8.00	0.05				
20	8.00- 9.00	0.04		NW and E	6.5	
	9.00-10.00	0.05				
	10.00-11.00	0.04				
	11.00-12.00	0.05				
	12.00-13.30	0.04				
	13.30-15.30	Trace				
	15.30-18.30	Zero				
	18.30-19.00	Trace		W	2.5	
	19.00-21.00	Zero				
	21.00-21.30	Trace				
30	21.30-22.00	0.04				
	22.00-22.30	0.21				
	22.30-23.00	0.05				
	23.00-23.30	0.12		E	4	
	23.30-24.00	0.10				
Mar. 25	0.00- 1.00	0.06		E	4	
	1.00- 1.30	0.12				
	1.30- 2.00	0.14				
	2.00- 2.30	0.11				
	2.30- 3.00	0.12		SE	2	
	3.00- 3.30	0.10				
	3.30- 4.00	0.09				
	4.00- 4.30	0.08				
	4.30- 5.30	0.06				
	5.30- 6.00	0.04		W	2	
40	6.00- 7.00	Trace				
	7.00- 9.30	Trace				
	9.30-10.00	0.04				
	10.00-11.30	0.10				
	11.30-12.30	0.04		N	5	
	50	12.30-13.00	Trace		W	4
		13.00-22.30	Zero			
		22.30-23.00	0.06			
		23.00-23.30	Trace			
		23.30-24.00	Zero			

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.		
10	Mar. 26	0.00- 3.30	Zero		SW	3		
		3.30- 5.30	Trace					
		5.30- 6.30	Zero					
		6.30- 8.00	Trace					
		8.00- 8.30	0.04		NW and W	4		
		8.30-10.50	Zero					
		10.50-11.45	No Record					
		11.45-12.00	Zero					
		12.00-13.00	Trace					
		13.00-14.00	Zero					
		14.00-14.30	Trace					
		14.30-15.30	0.05					
		15.30-24.00	Zero					
		20	Mar. 27	0.00-24.00	Zero		SW	9
				Mar. 28	0.00-24.00	Zero		SW
Mar. 29	0.00-16.00				Zero		SW	
			16.00-24.00	No Record				
Recorder not operated until April 2								
30	Apr. 2	8.30- 9.30	0.06		SE	9		
		9.30-10.00	Trace					
		10.00-10.30	0.05					
		10.30-11.00	0.11					
		11.00-11.30	0.06					
		11.30-12.30	Trace					
		12.30-14.00	0.06		E and S	5		
		14.00-14.30	0.08					
		14.30-15.00	0.05					
		15.00-15.30	0.04		W	4.5		
40	Apr. 3	0.00-10.30	Zero		W and N	10		
		10.30-12.00	Trace		W and E	7		
		12.00-15.30	Zero					
		15.30-17.00	Trace					
		17.00-23.00	Zero					
Apr. 4	Apr. 4	0.00- 1.00	0.04		E	7.5		
		1.00- 2.00	Trace					
		2.00- 2.30	0.05					
		2.30- 3.30	Trace					
		3.30- 4.30	Trace					
		4.30- 5.00	Zero					
		5.00- 7.00	Trace					

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Apr. 4 7.00- 8.30	Zero			
	8.30-10.00	Trace		E and W	5
	10.00-11.00	0.04			
	11.00-11.30	0.06			
	11.30-14.00	Zero			
	14.00-15.00	0.05			
20	Apr. 5 15.00-24.00	Zero		SW	19
	0.00- 6.00	Zero		SW	22
	6.00- 6.30	0.08			
	6.30- 7.00	0.06			
	7.00- 7.30	0.08			
	7.30- 8.00	0.04			
	8.00- 8.30	0.12			
	8.30- 9.30	0.04		SW	23½
	9.30-10.00	0.06			
	10.00-11.00	0.08			
	11.00-12.00	0.05			
	12.00-13.00	0.07			
	13.00-14.00	Trace		W	19
	14.00-14.30	0.06			
14.30-15.30	0.04				
15.30-24.00	Zero				
30	Apr. 6 0.00- 8.00	Zero		SW	12
	8.00- 8.30	0.05		SW and S	10
	8.30- 9.00	0.10			
	9.00-10.30	0.04			
	10.30-11.30	0.09			
	11.30-12.00	0.10			
	12.00-12.30	0.06			
	12.30-14.00	0.10			
	14.00-15.00	Trace			
15.00-24.00	Zero				
40	Apr. 7 0.00- 9.10	Zero		S and SW	7.5
	9.10-10.10	Repairing Valve			
	10.10-11.30	Zero		SW	15
	11.30-13.00	Trace			
	13.00-13.30	0.06			
	13.30-14.30	0.10			
	14.30-16.00	0.06			
	16.00-17.30	0.04			
	17.30-18.30	Trace			
18.30-24.00	Zero				

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 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.		
10	Apr. 8	0.00- 8.00	Zero		SW	6		
		8.00- 9.30	Trace		SW and S	9		
		9.30-11.00	0.04					
		11.00-12.00	0.05					
		12.00-14.30	0.06					
		14.30-16.00	0.04					
		16.00-22.30	Zero					
		22.30-23.00	Trace					
		23.00-23.30	0.10					
		23.30-24.00	0.05					
20	Apr. 9	0.00- 1.00	Trace		S	5		
		1.00- 1.30	0.06					
		1.30- 3.00	0.04					
		3.00- 4.00	0.06					
		4.00- 6.30	0.05					
		6.30- 8.00	0.04					
		8.00- 9.30	0.06		SW	8		
		9.30-11.00	0.04					
		11.00-11.30	Trace					
		11.30-12.00	0.04					
30		12.00-13.00	0.06					
		13.00-14.00	Trace					
		14.00-14.30	0.06					
		14.30-15.00	Trace					
		15.00-15.30	0.10					
		15.30-16.30	0.06					
		16.30-17.00	Trace					
		17.00-24.00	Zero		S	3.5		
		40	Apr. 10	0.00-20.00	Zero		SW	6
				20.00-21.30	Trace		SW	5
21.30-22.00	0.20				SE	4		
22.00-22.30	0.04				SE	3		
22.30-24.00	Zero				W	1		
50	Apr. 11	0.00- 7.00	Zero		W (almost calm)	2.5		
		7.00- 8.00	Trace					
		8.00- 8.30	0.07		N	3		
		8.30-10.00	0.05					
		10.00-10.30	0.08		SW	6		
		10.30-11.00	0.05					
		11.00-12.30	0.04					
		12.30-13.00	0.06					
		13.00-16.00	0.04		E	6		
		16.00-17.00	Trace					
		17.00-18.00	0.04		E	9		
		18.00-18.30	Trace					
		18.30-24.00	Zero		SW, S	2.5		



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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO <sub>2</sub> in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	Apr. 12	0.00- 0.30	Zero			
		0.30- 3.00	Trace		S	3
		3.00- 3.30	0.05			
		3.30- 4.00	0.10		S	6
		4.00- 5.00	0.05			
		5.00- 5.30	Trace			
		5.30- 9.00	Zero		SE, S	4
		9.00-10.00	Trace			
		10.00-11.00	0.06		SW	10
		11.00-11.30	0.09			
20		11.30-12.00	0.12			
		12.00-12.30	0.13		SW	12
		12.30-13.00	0.15			
		13.00-13.30	0.17		SW	10
		13.30-14.00	0.13			
		14.00-14.30	0.10			
		14.30-15.00	0.07		SW	4
		15.00-16.00	0.04			
		16.00-17.30	Trace			
		17.30-24.00	Zero		S	3
30	Apr. 13	0.00- 7.00	Zero		S	1.5
		7.00- 7.30	0.06		S, SE	6
		7.30- 8.30	0.09			
		8.30- 9.00	0.13			
		9.00-11.00	0.12		SE, S	8
		11.00-11.30	0.08			
		11.30-12.30	0.06			
		12.30-13.00	Trace		SW	14
		13.00-13.30	0.10			
		13.30-14.00	0.13			
40		14.00-15.00	0.07		SW	18
		15.00-15.30	0.14			
		15.30-16.00	0.08			
		16.00-16.30	0.04		SW	25
		16.30-17.00	0.06			
		17.00-23.00	Trace		SW	25
50	Apr. 14	23.00-24.00	Zero			
		0.00-16.00	Zero		W, NW	6-8
		16.00-20.00	Trace		N	10-12
50	Apr. 15	20.00-24.00	Zero		W and N	12
		0.00-24.00	Zero		NE, E	6-14
		Apr. 16	0.00- 1.30	Zero		
50		1.30- 6.30	Trace		E	10-12
		6.30- 8.30	0.04			

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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
	Apr. 16	8.30- 9.00	0.06		E	12	
		9.00-10.00	0.06				
		10.00-10.30	0.08				
		10.30-11.30	0.06		E	10	
		11.30-12.00	0.10				
		12.00-12.30	0.05				
		12.30-13.30	0.13				
		13.30-14.00	0.07		SE	10	
		14.00-14.30	0.10				
		14.30-15.30	0.06				
		15.30-19.00	Zero		W	6-2	
		19.00-20.30	Trace		SE	20	
		20.30-24.00	Zero		SE, SW	20-16	
20	Apr. 17	0.00- 7.30	Zero		SE	20	
		7.30- 8.00	Trace		SW	28	
		8.00- 8.30	0.06				
		8.30-10.00	0.10				
		10.00-11.00	0.06				
		11.00-11.30	0.10		SW	30	
		11.30-12.00	0.07				
		12.00-12.30	0.04				
		12.30-14.00	0.10		SW	28-25	
			14.00-14.30	0.06			
			14.30-15.00	0.09			
			15.00-15.30	0.16			
			15.30-16.00	0.30		SW	25
	16.00-16.30	0.10					
	16.30-18.00	0.06					
	18.00-19.30	0.04					
	19.30-21.00	Trace		SW	20-16		
	21.00-24.00	Zero		SW	7		
40	Apr. 18	0.00- 8.00	Zero		SW	10-12	
		8.00- 8.30	0.04				
		8.30- 9.00	0.10		SW	14-16	
		9.00- 9.30	0.12				
		9.30-10.00	0.06				
		10.00-11.00	0.08		SW	16	
		11.00-11.30	0.18				
		11.30-12.00	0.07				
		12.00-12.30	0.08		SW	20	
		12.30-13.00	0.12				
		13.00-13.30	0.06				
		13.30-14.00	0.08				
			14.00-14.30	0.11		SW	23
	14.30-15.00	Trace					
	15.00-16.30	0.10					
	16.30-17.00	Trace					
	17.00-24.00	Zero		W, SW	16-14		
50							

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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	Apr. 19 0.00- 6.00	Zero		SW	12	
	6.00- 6.30	Trace				
	6.30- 7.30	0.06		SW	14-18	
	7.30- 8.00	0.08				
	8.00- 8.30	0.12				
	8.30- 9.00	0.18				
	9.00-10.00	0.20		SW	19	
	10.00-11.00	0.18				
	11.00-11.30	0.16				
	11.30-12.00	0.05				
20	12.00-14.00	0.10		SW	17	
	14.00-16.30	0.06				
	16.30-17.00	Trace				
	17.00-24.00	Zero		SW	20-6	
	Apr. 20 0.00-24.00	Zero		SW	6-10-14	
	Apr. 21	0.00-10.00	Zero		S, SE	3-8
		10.00-10.30	All contaminated			
		10.30-24.00	Zero		N, W	8-20
	Apr. 22 0.00-24.00	Zero		W, N	10-6-2	
	30	Apr. 23 0.00-24.00	Zero		E	2-6-14-20
Apr. 24		0.00-17.00	Zero		N and W	2-4
		17.00-17.30	Trace			
		17.30-18.00	0.06		SE	4
		18.00-18.30	Trace			
		18.30-19.00	0.06	One Cell	SE	6
		19.00-19.30	0.06	Line		
		19.30-20.00	Trace	Contaminated		
		20.00-20.30	0.08	"		
		20.30-21.00	0.10			
	21.00-22.00	0.06		SE	10	
22.00-23.30	Trace					
23.30-24.00	Zero					
Apr. 25 0.00-24.00	Zero		SW, W, NW	8-2-6		
40	Apr. 26 0.00-12.00	Zero		W, E	2-10	
	12.00-12.30	0.40		E	16	
	12.30-24.00	Zero		E, W	20-4-14	
Apr. 27	0.00- 8.30	Zero		W	16-18	
	8.30- 9.00	0.06				
	9.00- 9.30	Trace		W	16	
	9.30-24.00	Zero		W	16-10	
Apr. 28 0.00-24.00	Zero		W, W, NW	10-6		

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
Apr. 29	0.00-10.30	Zero		N	7
	10.30-11.30	Trace		NW	8
	11.30-12.30	Zero		W	
	12.30-24.00	Zero		NW, SW	6
Apr. 30	0.00- 5.30	Zero		W	2-4
	5.30- 8.30	Trace		SW	4
	8.30- 9.00	0.05		SW	8
	9.00-10.00	Zero			
	10.00-11.00	0.04			
	11.00-11.30	0.06			
	11.30-12.00	0.04			
	12.00-14.30	Trace			
	14.30-15.00	Zero			
	15.00-16.00	Trace			
	16.00-24.00	Zero		W	8
May 1st	0.00-24.00	Zero		W and SW	8
May 2	0.00-24.00	Zero		SW and E	5
May 3	0.00-24.00	Zero		SE and E	9
May 4	0.00-24.00	Zero		E and N	8
May 5	0.00- 8.30	Zero		W	5
	8.30-10.00	No Record		W	6
	10.00-24.00	Zero		S and W	5
May 6	0.00-19.30	Zero		SW and W	6
	19.30-20.00	Trace		S	3.5
	20.00-20.30	0.06			
	20.30-21.30	0.12			
	21.30-22.30	0.04			
	22.30-23.00	0.06			
	23.00-23.30	0.08			
23.30-24.00	0.20				
May 7	0.00- 0.30	0.13		S and W	2
	0.30- 1.00	0.06			
	1.00- 2.00	0.05			
	2.00- 3.00	0.12			
	3.00- 3.30	0.10			
	3.30- 4.00	0.18			
	4.00- 5.30	0.06			
	5.00- 6.00	0.14			
	6.00- 6.30	0.17			
6.30- 7.00	0.30				

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	7.00- 7.30	0.20			
	7.30- 8.00	0.17			
	8.00- 9.00	No Record			
	9.00- 9.30	0.13		SW, Occasional SE	5
	9.30-10.00	0.13			
	10.00-10.30	0.06			
	11.00-11.30	0.11			
	11.30-12.00	0.14			
	12.00-12.30	0.17			8
	12.30-13.00	0.14			
	13.00-13.30	0.17			
	13.30-14.00	0.08			
	14.00-14.30	0.06			
20	14.30-15.00	0.06			
	15.00-24.00	No Record			
May 7	Shut Down until May 9 (VE Day)				
30	May 9 0.00- 8.30	No Record		W, Occasional S	19
	8.30- 9.00	0.09			
	9.00- 9.30	0.16			
	9.30-10.00	0.17			
	10.00-10.30	0.14			
	10.30-11.00	0.16			
	11.00-11.30	0.16			
	11.30-12.00	Trace			
	12.00-12.30	Trace		W	12
	12.30-13.00	Zero			
	13.00-13.30	Trace			
	13.30-14.00	0.05			
	14.00-16.00	Zero			
	16.00-16.30	Zero			
16.30-21.30	Zero				
21.30-22.00	Trace		SW	5	
22.00-24.00	Zero				
40	May 10 0.00- 1.00	Zero		SE	5
	1.00- 2.30	Trace			
	2.30- 3.00	0.06			
	3.00- 3.30	0.05			
	3.30- 4.00	0.11			
	4.00- 4.30	0.05			
	4.30- 5.00	0.08			
	5.00- 5.30	0.25			
	5.30- 6.00	Trace			
	6.00- 7.30	Trace			
50	7.30- 8.30	0.05			
	8.30- 9.30	Trace		E	13

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McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	9.30-10.00	Zero			
	10.00-10.30	0.05			
	10.30-11.00	0.05			
	11.00-16.00	Zero			
	16.00-17.00	Trace			
	17.00-21.30	Zero		N	12
	21.30-24.00	Trace		W, Occasional S	7
May 11	0.00- 0.30	0.05		W	8
	0.30- 4.00	Zero			
	4.00- 4.30	Trace			
	4.30- 6.00	Zero			
	6.00- 6.30	Trace			
	6.30- 7.00	0.06			
	7.00- 7.30	0.17			
	7.30- 8.00	0.19			
	8.00- 8.30	0.06		W	10
	8.30- 9.00	0.11			
	9.00-10.00	Zero			
	10.00-10.30	Trace			
	10.30-11.00	0.05			
	11.00-11.30	Zero			
	11.30-12.00	0.05			
	12.00-12.30	0.06			
	12.30-13.00	0.05			
	13.00-14.00	Trace			
	14.00-16.00	Zero			
	16.00-16.30	Trace		SW	11.5
	16.30-18.50	Zero		SW	9.5
	18.30-23.30	Trace			
	23.30-24.00	Zero			
May 12	0.00- 0.30	Trace		SW	6
	0.30- 2.00	Trace			
	2.00- 5.30	Zero		S and E	3
	5.30- 6.00	Trace			
	6.00- 6.30	0.05			
	6.30- 7.00	0.13			
	7.00- 7.30	0.13			
	7.30- 8.00	0.14			
	8.00- 8.30	0.13			
	8.30- 9.00	0.11		E	7
	9.00- 9.30	0.13			
	9.30-10.00	0.06			
	10.30-11.00	0.05			
	11.00-11.30	Trace			
	11.30-14.00	Trace			
	14.00-14.30	0.05			
	14.30-15.00	0.06		N and W	3

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	May 12 15.00-16.30	Zero			
	16.30-17.00	Trace			
	17.00-18.00	Trace			
	18.00-19.30	Zero		W	3
	19.30-20.00	Trace			
	20.00-21.00	Zero			
	21.00-24.00	Zero			
20	May 13 0.00- 0.30	Zero		S and E	3
	0.30- 1.00	Trace			
	1.00- 2.00	Zero			
	2.00- 3.00	Trace			
	3.00- 6.30	Zero			
	6.30- 7.00	Trace		N, S, E, W	5
	7.00-11.30	Zero			
	11.30-12.00	0.05			
	12.00-13.00	Zero		N, Occasional W	5.5
	13.00-13.30	Trace			
	13.30-16.00	Trace			
	16.00-17.00	Zero			
	17.00-17.30	0.05			
	17.30-18.30	Trace			
18.30-19.00	Zero		S, Occasional W	3	
30	19.00-19.30	Trace			
	19.30-20.00	0.05			
	20.00-20.30	Zero			
	20.30-21.00	Trace			
	21.00-21.30	0.05			
	21.30-24.00	Zero			
	40	May 14 0.00- 6.00	Zero		S and SW
6.00- 6.30		0.05			
6.30- 7.30		Trace			
7.30- 8.30		0.06			
8.30- 9.30		Trace		W	7
9.30-11.00		Zero			
11.00-11.30		Trace			
11.30-18.00		Zero		W, Occasional S and N	4
18.00-18.30		Trace		E	8.5
18.30-24.00	Zero				
50	May 15 0.00- 2.30	Trace		E	13.5
	2.30- 3.30	Zero			
	3.30- 4.30	Trace			
	4.30- 5.00	0.05		NE	10.5
	5.00- 6.00	Zero			
	6.00- 8.00	Trace		E	10.5
8.00-12.00	Zero		E	12.5	

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EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date	Time	SO2 in p.p.m.	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	12.00-12.30	Trace			
	12.30-13.30	Zero			
	13.00-14.00	Zero			
	14.00-15.00	Trace			
	15.00-24.00	Zero		E	9
May 16	0.00-24.00	Zero		E	10
May 17	0.00-24.00	Zero		E	10
20	May 18 0.00- 4.00	Zero		E	14
	4.00- 5.00	Trace		S	5
	5.00-14.00	Zero		(No Wind Record from 11.30-24.00 May 18)	
	14.00-16.00	Trace			
	16.00-16.30	0.06			
	16.30-17.00	Trace			
	17.00-18.00	Zero			
	18.00-18.30	Trace			
	18.30-19.30	Zero			
	19.30-20.00	Trace			
	20.00-21.30	Zero			
	21.30-24.00	Trace			
30	May 19 0.00- 1.30	Zero		W	8.5
	1.30- 2.00	Trace			
	2.00- 7.30	Zero			
	7.30- 8.00	Trace			
	8.00- 9.30	Zero		W	8.5
	9.30-10.00	Trace			
	10.00-14.30	Zero			
14.30-15.00	Trace		W and S	4.5	
15.00-24.00	Zero				
40	May 20 0.00- 1.30	Zero		S (Occasional W)	3
	1.30- 2.00	Trace			
	2.00- 3.30	Zero			
	3.30- 5.00	Trace			
	5.00- 7.30	Zero			
	7.30- 8.00	Trace			
	8.00-15.00	Zero		S and SW	6.5
	15.00-15.30	0.05			
	15.30-17.00	Zero			
	17.00-17.30	Trace		E	8
	17.30-18.00	Zero			
	18.00-20.00	Trace			
20.00-22.00	Zero				
22.00-23.00	Trace				
50	23.00-23.30	0.14		SE	10
	23.30-24.00	0.08			



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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.		
10	May 21	0.00- 0.30	0.13		SE	8.5		
		0.30- 1.00	0.06					
		1.00- 1.30	Trace					
		1.30- 2.00	0.09					
		2.00- 2.30	0.11					
		2.30- 3.00	0.13					
		3.00- 3.30	0.14					
		3.30- 4.00	0.08					
		4.00- 5.30	Zero		W		3	
		5.30- 8.30	No Record					
20		8.30- 9.00	0.08		S	2		
		9.00- 9.30	Zero					
		9.30-10.00	0.09		W	3.5		
		10.00-11.30	Zero					
		11.30-12.30	Trace					
		12.30-13.00	0.06					
		13.00-17.30	Zero		SW	13		
		17.30-18.00	Trace					
		18.00-18.30	0.06		SW	12		
		18.30-19.00	Zero					
30		19.00-20.00	Trace					
		20.00-20.30	Zero					
		20.30-21.00	Trace					
		21.00-21.30	Zero					
		21.30-22.00	Trace					
		22.00-22.30	Zero					
		22.30-24.00	Trace					
		40	May 22	0.00- 0.30	Trace		SW, Occasional E	9
				0.30- 1.00	Zero			
				1.00- 5.00	Trace			
5.00- 6.00	Zero							
6.00- 7.00	Trace							
7.00- 7.30	Zero							
7.30- 8.00	0.06							
8.00- 8.30	0.05				SW	22		
8.30- 9.00	Trace							
9.00- 9.30	0.08							
50		9.30-10.00	0.11					
		10.00-10.30	0.11					
		10.30-11.00	0.06					
		11.00-11.30	0.09					
		11.30-12.00	0.09					
		12.00-12.30	0.11					
		12.30-13.00	Trace					
		13.00-13.30	0.08		SW	34		
		13.30-14.00	0.08					
		14.00-14.30	0.05					
14.30-15.00	Trace							
15.00-15.30	0.08							
15.30-16.00	0.08							

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McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	16.00-17.30	Trace		
	17.30-18.00	Zero		
	18.00-18.30	Trace		
	18.30-19.00	0.06		
	19.00-19.30	Zero		
	19.30-20.30	Trace		
	20.30-22.00	Zero	SW	25
	22.00-24.00	Trace		
20	May 23 0.00- 5.30	Zero	W, Occasional S	17
	5.30- 6.00	0.09		
	6.00- 6.30	0.25		
	6.30- 7.00	0.19		
	7.00- 7.30	0.13		
	7.30- 8.00	0.16		
	8.00- 8.30	0.22	W, Occasional S	14
	8.30- 9.00	0.16		
	9.00-10.00	Zero		
	10.00-12.00	Zero	W, Occasional, S	12
	12.00-13.00	Trace		
	13.00-13.30	0.05		
30	13.30-14.00	Zero		
	14.00-14.30	Trace		
	14.30-15.00	Zero		
	15.00-15.30	Trace		
	15.30-20.00	Zero		
	20.00-24.00	Zero	SW	5
May 24 0.00-24.00	Zero	SW		
May 25	0.00-21.30	Zero	S and SW	6
	21.30-22.00	0.09	SE	5.5
	22.00-22.30	0.19		
	22.30-23.00	0.14		
	23.00-23.30	0.38		
	23.30-24.00	0.05		
40	May 26 0.00- 0.30	Zero	SE	6.5
	0.30- 1.00	Trace		
	1.00- 1.30	0.05		
	1.30- 2.00	0.09		
	2.00- 2.30	0.20		
	2.30- 3.00	0.11		
	3.00- 3.30	0.08		
	3.30- 4.00	0.13		
	4.00- 4.30	0.09		

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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10	May 26	4.30- 5.00	0.09			
		5.00- 5.30	0.11			
		5.30- 6.00	0.06			
		6.00- 6.30	0.14			
		6.30- 7.00	0.08			
		7.00- 7.30	0.16			
		7.30- 8.00	0.05			
		8.00- 8.30	0.06		SE and W	6
		8.30-19.00	Zero			
		19.00-19.30	0.06		S	4
		19.30-22.30	Zero			
		22.30-23.00	Trace			
23.00-24.00	Trace					
20	May 27	0.00- 0.30	Trace		S and E	3
		0.30- 2.00	Zero			
		2.00- 2.30	0.05			
		2.30- 3.00	0.05			
		3.00- 3.30	Trace			
		3.30- 7.40	Zero			
		7.40- 9.30	No Record (Power off)			
		9.30-10.00	Zero		W	3
		10.00-11.00	Zero			
		11.00-12.00	Trace			
		12.00-12.30	Zero			
		12.30-13.00	Trace			
13.00-16.30	Trace		SW and S	5		
16.30-22.00	Zero					
22.00-22.30	0.13		S	3.5		
22.30-23.00	0.13					
23.00-23.30	0.06					
23.30-24.00	Zero					
40	May 28	0.00- 3.30	Zero		S and SE	7.5
		3.30- 6.00	Trace		SE	13
		6.00- 6.30	Zero			
		6.30- 8.35	Trace			
		8.35- 9.00	Zero		SW	22
		9.00- 9.30	0.06			
		9.30-10.00	Trace			
		10.00-10.30	0.06			
		10.30-11.00	0.05			
		11.00-11.30	Trace			
		11.30-12.00	Zero			
		12.00-12.30	.05			
50		12.30-13.00	.06			
		13.00-13.30	.05			
		13.30-14.00	0.09			
		14.00-14.30	0.13			
		14.30-15.00	0.09			

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McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.
		15.00-15.30	0.20		
		15.30-16.00	0.13		
		16.00-16.30	0.11	W, occasional	15
10	May 29	16.30-24.00	Zero		
		0.00- 9.00	Zero	SW	7
		9.00-10.00	Trace	SW	11
		10.00-11.30	Zero		
		11.30-12.00	Trace		
		12.00-13.00	Zero		
		13.00-13.30	.05		
		13.30-24.00	Zero		
	May 30	0.00-24.00	Zero	W and SW	11
20	May 31	0.00-24.00	Zero	W, occasional N	9
	June 1	0.00-24.00	Zero	W, N, E, S, almost calm	5
	June 2	0.00-24.00	Zero	E, Occasional S & N	10
	June 3	0.00-24.00	Zero	E, Occasional N	7
	June 4	0.00-24.00	Zero	W	7
	June 5	0.00- 8.30	Zero	W	
		8.30-14.25	Zero		
		New machine installed			
	June 11	16.10-24.00	Zero	SW	8
	June 12	0.00-24.00	Zero	W, occasional E	5
	June 13	0.00- 8.40	Zero	W	
30		8.40-14.40	pen blocked		
	June 13	14.40-24.00	Zero	SW	6.5
	June 14	0.00-10.30	Zero	S & SW	4.5
		10.30-10.45	Zero	SW and S	9
		10.45-11.00	.05		
		11.00-13.45	Zero		
		13.45-14.00	Trace		
		14.00-14.15	Zero		
		14.15-14.30	Trace		
		14.30-14.45	Zero		
40		14.45-15.00	0.05		
		15.00-15.30	0.05		
		15.30-15.45	Zero		
		15.45-16.00	Trace		
		16.00-16.30	Trace		
		16.30-24.00	Zero		
	June 15	0.00- 4.15	Zero	SW & SE	5.5
		4.15- 4.30	0.08		
		4.30- 5.15	Zero	SW	2
		5.15- 5.30	Trace	SE	4
50		5.30- 5.45	Zero		
		5.45- 6.00	0.04	SW & SE	8
		6.00- 6.15	Zero	S	4.5
		6.15- 6.30	Zero		
		6.30- 7.45	Zero		
		7.45- 8.00	Trace		
		8.00-14.15	Zero	SE & SW & S	5

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
		14.15-14.30	Trace			
		14.30-24.00	Zero			
10	June 16	0.00- 9.00	Zero		SW & E	3
		9.00-24.00	Zero		SW	9
	June 17	0.00-14.30	Zero		SW & S	5
		14.30-15.00	0.05			
		15.00-20.45	Zero		E & S & N	3.5
		20.45-21.00	Trace		E	3.5
		21.00-24.00	Zero			
	June 18	0.00- 0.45	Zero		E	10
		0.45- 1.00	Trace			
		1.00- 1.45	Zero			
		1.45- 2.00	0.05			
20		2.00- 5.30	Zero			
		5.30- 6.00	0.02			
		6.00- 6.30	Zero			
		6.30- 7.00	0.03			
		7.00- 7.30	Zero		W & S	6.5
		7.30-10.15	Zero		E	
		10.15-10.30	Trace			
		10.30-15.15	Zero			
		15.15-15.30	Trace			
		15.30-19.15	Zero			
30		19.15-19.30	0.04			
		19.30-24.00	Zero			
	June 19	0.00-24.00	Zero		S & S W	4
	June 20	0.00-24.00	Zero		S & W & SW	5
	June 21	0.00-10.15	Zero		W, E, W, S	4
		10.15-10.45	Trace			
		10.45-11.00	Zero			
		11.00-11.30	0.05			
		11.30-24.00	Zero			
	June 22	0.00-24.00	Zero		S & SW	6
40	June 23	0.00-24.00	Zero		SW & W & SW	7
	June 24	0.00- 9.00	Zero		S & SW	7
		9.00- 9.30	0.07			
		9.30-24.00	Zero			
	June 25	0.00- 8.45	Zero		SW	5
		8.45-24.00	Zero		S, W, E	8
	June 26	0.00- 5.15	Zero		Occasional E	5
		5.15- 5.30	0.05		E & W	5.5
		5.30-24.00	Zero			
	June 27	0.00- 7.45	Zero		S occasional W	3
		7.45- 8.00	Trace		SE & E	5.5
50		8.00- 8.45	Zero			
		8.45- 9.00	Trace			
		9.00-13.15	Zero			
		13.15-13.30	Shut down to replace meter			
		13.30-24.00	Zero			

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EXHIBIT NO. 135 — (Continued)  
 AUTOMATIC SULPHUR DIOXIDE READINGS,  
 MCKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
June 28	0.00-23.30	Zero		S & W & SW	6
	23.30-24.00	0.095		S	2
June 29	0.00-11.30	Zero		S & SW	6
	11.30-10.47	June 30 machine repaired.			
June 30	10.47-24.00	Zero		E & W & S	5
July 1	0.00-24.00	Zero		S & SW	9
July 2	0.00- 8.50	Zero		W	5
	8.50-24.00	Zero			
July 3	0.00- 6.00	Zero			
	6.00- 8.30	(Pen out of order)			
	8.30-24.00	Zero			
July 4	0.00-24.00	Zero			
July 5	0.00- 8.45	Zero		S	4
	8.45- 9.00	Trace		SW	8
	9.00- 9.15	Zero			
	9.15- 9.30	Trace			
July 6	9.30-24.00	Zero			
	0.00- 7.10	Zero		S & W	8
July 7	7.10-24.00	Power off			
	0.00- 8.30	Power off			
July 8	8.30-24.00	Zero		SW & S	8
	0.00-24.00	Zero		S & SW	6
July 9	0.00- 8.40	Zero		S, occasional E, W	7.5
	8.40- 8.50	No record			
	8.50- 9.45	Zero		SW	5.5
	9.45-10.00	0.08			
	10.00-10.30	Trace			
	10.30-11.00	Trace			
	11.00-11.15	Zero			
	11.15-11.30	Trace			
	11.30-13.10	Zero			
	13.10-14.10	Machine shut down			
	14.10-14.45	Zero			
	14.45-15.00	Trace			
	15.00-15.30	0.06			
15.30-16.00	0.05				
16.00-16.15	Zero				
16.15-16.30	0.08				
16.30-16.45	Zero				
16.45-17.00	0.05				
17.00-17.30	0.03				
17.30-18.00	Zero				
18.00-18.30	Trace				
July 10	18.30-24.00	Zero		S, occasional W	5
	0.00- 0.45	Zero		W	8.5
	0.45- 1.00	Trace			

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
10	1.00-10.15	Zero				
	10.15-10.30	0.08		W	13	
	10.30-14.00	Zero				
	14.00-16.30	No Record				
	16.30-17.00	0.03				
July 11	17.00-24.00	Zero				
	0.00- 9.10	Zero		W	10	
	9.10- 9.40	0.04		W	8.5	
	9.40-17.00	No record, pump repaired				
July 12	17.00-24.00	Zero				
	0.00-10.45	Zero		S, occasional E, W	5	
20	10.45-11.00	0.05		SW	12	
	11.00-11.15	Zero				
	11.15-11.30	Trace				
	11.30-12.30	Zero				
	12.30-13.00	0.04				
	13.00-16.15	Zero				
	16.15-16.30	Trace				
	16.30-16.45	Zero				
	16.45-17.00	Trace				
	17.00-24.00	Zero				
	July 13	0.00- 0.45	Zero		S, occasional E & W	7
		0.45- 1.00	Zero			
30	1.00- 8.00	Zero				
	8.00- 8.15	Trace		SW, occasional E	11	
	9.00- 9.30	0.03				
	9.30-10.00	0.04				
	10.00-10.30	0.03				
	10.30-11.00	0.05				
	11.00-11.30	0.07				
	11.30-12.00	0.05				
	12.00-12.30	0.06				
	12.30-13.00	0.05				
40	13.00-13.30	0.09				
	13.30-14.00	0.03				
	14.00-14.30	Trace				
	14.30-15.00	Trace				
	15.00-15.30	0.04				
	15.30-16.00	0.04				
	16.00-16.30	0.06				
	16.30-24.00	Zero		S, occasional E, W	4	
	July 14	0.00- 5.45	Zero			
		5.45- 6.00	0.08			
6.00- 7.45		Zero				
7.45- 8.00		Trace				
8.00- 9.45		Zero				
9.45-10.00		Trace				
50	10.00-24.00	Zero				

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EXHIBIT NO. 135 — (Continued)

AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
	July 15	0.00-24.00	Zero		E	11
	July 16	0.00- 6.45	Zero		W, occasional S	3
		6.45- 7.00	Trace			
		7.00- 8.40	Zero			
		8.40- 8.50	No Record		W & E	5
		8.50-21.45	Zero			
		21.45-22.00	Trace		S E	4
		22.00-22.15	Zero			
		22.15-22.30	Trace			
		22.30-22.45	Zero			
		22.45-23.00	Trace			
		23.00-23.30	.11			
		23.30-24.00	0.09			
20.	July 17	0.00- 0.30	0.19		S & W	2
		0.30- 3.30	Zero			
		3.30- 4.00	Trace			
		4.00- 4.30	Zero			
		4.30- 5.00	0.03			
		5.00- 5.30	Zero			
		5.30- 6.00	Trace			
		6.00- 6.45	Zero			
		6.45- 7.00	Trace			
		7.00- 7.45	zero			
		7.45- 8.00	Trace			
30		8.00-24.00	Zero		W & E	8
	July 18	0.00-24.00	Zero		E	5
	July 19	0.00-24.00	Zero		W	5
	July 20	0.00- 8.45	Zero		S	2
		8.45- 9.00	Trace			
		9.00- 9.15	Zero		S	2
		9.15- 9.30	0.12			
		9.30-10.15	Zero		S W	4
		10.15-10.30	0.06			
		10.30-24.00	Zero			
40	July 21	0.00- 4.15	Zero		W	2
		4.15- 4.30	0.05			
		4.30- 7.30	Zero			
		7.30- 8.00	Trace			
		8.00- 8.45	Zero		W & E	5
		8.45- 9.00	0.05			
		9.00-24.00	Zero			
	July 22	0.00-21.30	Zero		W & SW & S	3.5
		21.30-22.00	Improper record			
		22.00-24.00	Zero			
50	July 23	0.00-24.00	Zero		W & E	4



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	Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.		
10	July 24	0.00-13.45	Zero		W & E	3		
		13.45-14.00	Trace					
		14.00-24.00	Zero					
	20	July 25	0.00- 7.30	Zero		S	3	
			7.30- 8.00	0.03				
			8.00-11.30	Zero		SW	5	
			11.30-12.00	0.03				
			12.00-12.45	Zero				
			12.45-13.00	Trace				
			13.00-13.15	Zero		W	6	
13.15-13.30			0.06					
13.30-14.15			Zero		SW			
14.15-14.30			Trace					
30	July 25	14.30-14.45	Zero					
		14.45-15.00	0.05		S	5		
		15.00-15.15	Zero		SW	10		
		15.15-15.30	Trace					
		15.30-16.00	0.07					
		16.00-16.15	Zero		W & E & SE	6		
		16.15-16.30	Trace					
		16.30-17.00	Trace					
		17.00-19.30	Zero					
		19.30-19.45	0.24		E	8		
40	July 25	19.45-20.00	0.05		W	4		
		20.00-20.15	Zero					
		20.15-20.30	Trace					
		20.30-24.00	Zero					
		July 26	0.00-24.00	Zero		W & E	9	
		July 27	0.00-24.00	Zero		E	10	
		50	July 28	0.00- 7.45	Zero		E	6
				7.45- 8.00	Trace			
				8.00-11.15	Zero		W & E	4
				11.15-11.30	Trace			
11.30-11.45	Zero							
11.45-12.00	Trace							
12.00-12.15	Zero							
12.15-12.30	Trace							
12.30-24.00	Zero							
July 29	0.00-24.00			Zero		E	7	
50	July 30	0.00- 8.50	Zero		E & W	1		
		8.50-24.00	Zero		E	5		
	July 31	0.00- 1.45	Zero		SW	1.5		
		1.45- 2.00	Trace					
		2.00- 2.45	Zero					
		2.45- 3.00	Trace					
		3.00- 8.45	Zero					
		8.45- 9.00	0.03		SW, E, S, W	4		
		9.00-11.15	Zero					
		11.15-11.30	0.04					
11.30-11.45	Zero							
11.45-12.00	0.06							

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AUTOMATIC SULPHUR DIOXIDE READINGS,  
McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.	
	12.00-15.30	Soln. contaminated, but zero reading				
	15.30-24.00	Zero				
Aug. 1	0.00-24.00	Zero		S & E & W	4	
Aug. 2	0.00-12.45	Zero		W & SW	5.5	
	12.45-13.00	Trace				
	13.00-17.45	Zero				
	17.45-18.00	Trace		W & SW	6	
	18.00-23.45	Zero				
	23.45-24.00	Trace				
Aug. 3	0.00- 3.35	Zero		W	10	
	3.30- 4.00	0.02				
	4.00-24.00	Zero				
Aug. 4	0.00-15.15	Zero		SW & W	7	
	15.15-15.30	0.03				
	15.30-24.00	Zero				
Aug. 5	0.00-24.00	Zero		W & E	5	
Aug. 6	0.00- 1.45	Zero		S E	4	
	1.45- 2.00	0.03				
	2.00- 2.30	0.04				
	2.30- 2.45	Zero				
	2.45- 3.00	Trace				
	3.00- 3.15	Zero				
	3.15- 3.30	0.05				
	3.30- 7.45	Zero				
	7.45- 8.00	Trace				
	8.00- 8.45	Zero		S E	4	
	8.45- 9.00	0.03				
	9.00- 9.45	Zero				
	9.45-10.00	0.04				
	10.00-10.15	Zero				
	10.15-10.30	Trace				
	10.30-11.00	0.06				
	11.00-11.15	Zero		E	3	
	11.15-11.30	0.05				
	11.30-12.00	Zero				
	12.00-12.30	0.02				
	12.30-13.15	Zero				
	13.15-13.30	0.03				
	13.30-24.00	Zero		W	5	
Aug. 7	0.00-24.00	Zero		E & W	7	
Aug. 8	0.00- 7.15	Zero		W	5	
	7.15- 7.30	0.02				
	7.30-24.00	Zero				
50 Aug. 9	0.00- 1.45	Zero		SW & W	4	
	1.45- 2.00	Trace				
	2.00-24.00	Zero				
Aug. 10	0.00- 4.15	Zero		SW	3	
	4.15- 4.30	0.03				
	4.30- 5.00	0.02				
	5.00- 5.15	Zero				

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 AUTOMATIC SULPHUR DIOXIDE READINGS,  
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	Date 1945	Time	SO <sub>2</sub> in p.p.m. Cupolas side	Stack side	Prevailing wind direction	Aver. wind velocity, m.p.h.
10		5.15- 5.30	Trace			
		5.30- 5.45	Zero			
		5.45- 6.00	0.06			
		6.00- 6.30	0.02			
		6.30- 6.45	Zero			
		6.45- 7.00	0.03			
		7.00- 7.15	Zero			
		7.15- 7.30	0.04			
		7.30- 7.45	Zero			
		7.45- 8.00	0.07			
20		8.00- 8.15	Zero			
		8.15- 8.30	0.05			
		8.30- 9.00	0.04			
		9.00- 9.30	0.03			
		9.30-24.00	Zero		W & SW	5
	Aug. 11	0.00-22.15	Zero		S & E & SE	5
		22.15-22.30	0.04			
		22.30-22.45	Zero			
		22.45-23.00	0.04			
		23.00-23.15	Zero			
30		23.15-23.30	0.03			
		23.30-24.00	Zero			
	Aug. 12	0.00- 0.15	Zero		S E & S W	6
		0.15- 0.30	0.04			
		0.30- 0.45	Zero			
		0.45- 1.00	0.04			
		1.00- 1.15	Zero			
		1.15- 1.30	0.06			
		1.30- 3.15	Zero			
		3.15- 8.45	pen blocked			
40		8.45-24.00	Zero		SW	6.5
	Aug. 13	0.00-24.00	Zero		SW	7
	Aug. 14	0.00-11.15	Zero		SE & SW	10.5
		11.15-11.45	0.04			
		11.45-12.15	Zero			
		12.15-12.30	0.06			
		12.30-19.45	Zero			
		19.45-20.00	0.60		W	12
		20.00-20.15	Zero		SW & S	13
		20.15-20.30	0.12			
50		20.30-24.00	Zero			
	Aug. 15	0.00-24.00	Zero		W	
	Aug. 16	0.00-24.00	Zero		W & SW	5
	Aug. 17	0.00-24.00	Zero		S & SW	4
	Aug. 18	0.00-24.00	Zero		S & SW	4
	Aug. 19	0.00-24.00	Zero		SW & W	4

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McKINNON INDUSTRIES, ST. CATHARINES, ONT.

Date 1945	Time	SO2 in p.p.m. Stack Cupolas side side	Prevailing wind direction	Aver. wind velocity, m.p.h.		
10	Aug. 20	0.00- 8.37	Zero	S	1.5	
		8.37-24.00	Zero	W & SW	4	
	Aug. 21	0.00-16.30	Zero	SW	9	
		16.30-16.45	Trace	W	6	
		16.45-24.00	Zero			
	Aug. 22	0.00-24.00	Zero	W & E	9	
	Aug. 23	0.00-24.00	Zero	E	10.5	
	20	Aug. 24	0.00- 8.30	Zero	E	4
			8.30- 8.45	Trace	S & E	3
			8.45- 9.00	Zero		
		9.00- 9.15	0.04	S & E		
		9.15-11.00	Zero			
		11.00-11.15	0.04			
		11.15-11.45	Zero			
		11.45-12.00	0.04			
		12.00-24.00	Zero			
Aug. 25		0.00-13.00	Zero	S & SW	5	
	13.00-13.15	0.19	SE	7.5		
	13.15-24.00	Zero	W	12		
Aug. 26	0.00-24.00	Zero	W	16		
Aug. 27	0.00- 8.50	Zero	S	2.5		
	8.50-11.30	No record				
	11.30-24.00	Zero				
30	Aug. 28	0.00-11.45	Zero			
		11.45-12.00	Trace	SW	4	
		12.00-24.00	Zero			
Aug. 29	0.00-24.00	Zero	SW	8.5		
Aug. 30	0.00-24.00	Zero	SW & S	4.5		
Aug. 31	0.00-24.00	Zero	SW, SE	5		
Sept. 1	0.00-24.00	Zero	SW & S	13.5		
Sept. 2	0.00-24.00	Zero	W	9		
Sept. 3	0.00-24.00	Zero	SW & E	6		
Sept. 4	0.00- 9.45	Zero	SE	6		

EXHIBIT NO. 136  
 T A B L E I  
 SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
Dec. 14	—	8:00	11:30	2:30	1:30	:30	—	0.165	SW	9.1666
15	1:00	5:00	12:30	5:00	:30	—	—	0.115	SW, SE	12.4375
16	—	9:30	5:00	9:30	—	—	—	0.10	SW	14.75
17	—	24:00	—	—	—	—	—	—	SW, NW	19.25
18	—	—	7:30	13:30	2:00	1:00	—	0.19	N,NE,E,SE	8.8333
19	—	—	6:00	13:30	2:00	2:00	:30	0.30	SE,S,W,SW	6.9
20	—	1:00	5:30	13:00	4:00	:30	—	0.16	SW,SE,W	16.875
21	—	10:30	10:30	2:30	:30	—	—	0.11	NW,W,SW,S	11.75
22	12:30	11:30	—	—	—	—	—	—	SW	7.0
23	24:00	—	—	—	—	—	—	—	—	—
24	24:00	—	—	—	—	—	—	—	—	—
25	24:00	—	—	—	—	—	—	—	—	—
26	14:45	7:00	2:15	—	—	—	—	—	—	4.5
27	—	3:30	3:00	5:00	:30	3:30	8:30	0.565	SE	6.2
28	—	6:00	2:00	7:00	5:30	3:30	—	0.18	SW,W,NW	16.7
29	—	2:00	3:30	6:00	8:30	1:30	2:30	0.51	N,NE,E,SE	7.6818
30	12:00	—	:30	6:00	2:30	3:00	—	0.23	E,SW,S	4.5
31	24:00	—	—	—	—	—	—	—	—	—
Jan. 1 1945	24:00	—	—	—	—	—	—	—	—	—
2	9:00	1:30	10:30	3:00	—	—	—	0.12	SW	20.1
3	—	2:00	11:00	9:00	1:00	1:00	—	0.175	SW,S,W	10.5625
4	—	12:00	4:30	3:30	2:00	2:30	—	0.16	SW,W	9.3125

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 136  
 Daily  
 Summary  
 for same  
 period as in  
 Exhibit 135

EXHIBIT NO. 136 (Continued)  
T A B L E I  
SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	•Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
Jan. 5	—	11:30	2:30	8:30	1:00	—	—	0.12	SW	14.3571
6	—	9:30	3:00	7:00	2:00	2:00	:30	0.28	S,E,NE	9.5714
7	—	—	1:00	11:30	9:00	2:30	—	0.175	E,NE,N	7.0
8	—	1:30	3:30	13:30	2:30	3:00	—	0.185	SW,NW	6.95
9	—	10:30	10:00	3:30	—	—	—	0.06	NW,N,W	10.7142
10	—	11:30	5:00	5:30	2:00	—	—	0.12	S,SW,W,SE	5.0555
11	—	4:30	4:30	15:00	—	—	—	0.10	SW,S,SE,W	7.9166
12	—	2:30	4:30	11:30	3:00	1:30	1:00	0.30	SW,E,W,NW	14.6
13	—	3:00	6:00	9:00	6:00	—	—	0.12	N,NE,E	11.1666
14	—	18:30	4:30	1:00	—	—	—	0.06	NE,NW,E	14.75
15	—	11:00	5:00	8:00	—	—	—	0.10	NE	16.1666
16	—	19:00	3:00	2:00	—	—	—	0.08	NE,N	13.25
17	—	24:00	—	—	—	—	—	—	NW	9.0
18	—	11:30	3:00	4:30	3:30	1:30	—	0.23	S,SW,W,SE, NW	3.7
19	4:15	7:15	4:00	5:30	1:00	:30	1:30	0.38	S,W,N	4.375
20	8:00	1:00	6:00	4:00	1:00	1:30	2:30	0.35	SW,NE,E,S	3.5833
21	—	16:30	4:00	2:30	:30	:30	—	0.18	SW,S	5.25
22	—	24:00	—	—	—	—	—	—	SW	10.25
23	—	19:00	2:30	2:30	—	—	—	0.10	W,NW,S	8.5
24	—	14:30	5:00	2:00	2:30	—	—	0.12	N,NW	16.7
25	—	6:30	8:00	7:00	2:00	—	—	0.14	N,NW,SW	8.2142
26	—	11:00	5:30	5:00	2:30	—	—	0.15	NW,S,SW	5.8
27	—	15:30	7:00	1:30	—	—	—	0.08	S,SW	4.75
28	1:30	—	—	10:30	6:00	1:30	4:30	0.70	S,E,NE	4.0

EXHIBIT NO. 136 (Continued)

T A B L E I  
SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05		0.11		0.16		Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
				to 0.10 Hrs.	Hrs.	to 0.15 Hrs.	Hrs.	to 0.25 Hrs.	Hrs.				
29	—	3:00	5:30	9:00	5:00	1:30	—	—	—	0.22	NW,N,SW,W	10.75	
30	—	5:30	6:00	5:00	4:30	3:00	—	—	—	0.23	SW	10.4166	
31	—	9:30	2:00	5:00	4:30	3:00	—	—	—	0.23	SW	17.3	
Feb. 1	—	8:00	4:00	9:30	1:00	1:00	1:00	1:00	1:00	0.26	NW,W,SW	12.25	
2	—	7:00	2:00	12:30	2:00	—	—	—	:30	0.26	NW,SW,W	10.6428	
3	—	9:00	6:00	6:30	2:30	—	—	—	—	0.16	NW,SW,W,S	6.8125	
4	—	—	1:00	7:30	9:00	3:00	3:00	3:00	3:30	0.64	S,SW,E, NE,NW	4.85	
5	—	11:30	6:00	6:00	6:00	—	—	—	—	0.12	SW,NW	8.8	
6	—	15:30	4:00	4:00	4:00	3:00	3:00	—	—	0.12	SW	8.0	
7	—	13:00	5:00	1:30	3:00	2:00	:30	2:00	:30	0.34	S,SE,E,NE	7.4285	
8	—	1:30	4:30	8:30	3:00	3:00	3:00	3:00	3:00	0.40	E,NE,N, NW,SW	3.8	
9	—	—	2:30	16:00	5:30	—	—	—	—	0.15	SW,S,E,W	9.333	
10	—	1:00	2:00	16:30	4:30	—	—	—	—	0.12	SW,S,W	6.8333	
11	:50	21:40	1:30	—	—	—	—	—	—	—	SW,W	13.3333	
12	—	11:30	3:30	7:30	—	1:30	—	1:30	—	0.20	S,SW,W,N	4.1666	
13	—	5:00	3:00	6:00	3:30	5:00	1:30	5:00	1:30	0.40	S,E,NE	11.6	
14	—	5:30	7:00	11:30	—	—	—	—	—	0.10	NE,N,NW, SW,S	5.6875	
15	—	4:30	3:00	11:00	3:00	2:30	—	2:30	—	0.20	SW,S,E	6.0454	
16	—	6:30	4:00	10:00	2:00	1:30	—	1:30	—	0.16	SW,W	18.0	
17	—	21:30	1:30	1:00	—	—	—	—	—	0.05	W,SW	9.0	
18	—	24:00	—	—	—	—	—	—	—	—	SW	11.0	
19	—	18:00	1:00	3:30	1:30	—	—	—	—	0.14	W,SW,NW	6.75	

EXHIBIT NO. 136 (Continued)

T A B L E I  
SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES

Date	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
1945	7:30	16:30	—	—	—	—	—	—	S	4.5
	8:30	13:00	:30	1:00	:30	:30	—	0.16	E	9.5
	—	19:30	3:00	1:00	:30	—	—	0.12	SW,SE	18.0
	—	3:30	6:00	13:30	1:00	—	—	0.12	SW,W,S	17.0
	—	7:30	5:30	9:00	2:00	—	—	0.12	SW,S	9.125
	8:00	:30	1:30	6:00	1:00	4:30	2:30	0.50	SW,S,N,W, NE,SE	5.5
	—	9:30	6:30	8:00	—	—	—	0.10	SE,S,E,SW,W	8.9375
	—	17:30	1:30	4:00	1:00	—	—	0.12	SW,S,W	17.5
	—	24:00	—	—	—	—	—	—	S,NE	7.5
Mar.	—	19:30	2:00	2:30	—	—	—	0.08	SW	11.3333
	—	18:00	1:30	4:30	—	—	—	0.06	SW,S	10.0
	—	24:00	—	—	—	—	—	—	SW,W	13.0
	—	24:00	—	—	—	—	—	—	NW,NE	7.0
	:30	20:45	2:15	:30	—	—	—	0.30	E,S,SE,SW	2.625
	15:30	8:30	—	—	—	—	—	—	SW	9.0
	24:00	—	—	—	—	—	—	—	—	—
	16:40	7:20	—	—	—	—	—	—	W	3.0
	—	24:00	—	—	—	—	—	—	SW	8.0
	—	24:00	—	—	—	—	—	—	SW,NE	5.0
	—	19:30	—	1:00	1:30	1:00	1:00	0.32	SW,SE,S	3.8333
	6:30	8:00	3:30	4:30	:30	:30	:30	0.30	SE,SW,W	9.6666
	—	16:00	4:00	4:00	—	—	—	0.10	SW,W,S	6.0
	:25	14:05	7:00	2:30	—	—	—	0.05	S,SW	9.3333



EXHIBIT NO. 136  
 TABLE I  
 SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date 1944	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.		0.05 to 0.10 Hrs.		0.11 to 0.15 Hrs.		0.16 to 0.25 Hrs.		Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
			Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.						
15	1:45	2:30	6:30	6:15	4:00	2:00	30	0.40	SW,S,W,SE	6.2				
16	—	6:30	6:30	9:30	1:00	30	0.18	SE,SW,S	7.6666					
17	—	15:30	6:00	2:30	—	—	0.10	W,E,SW	12.5					
18	3:30	12:30	5:00	1:30	1:00	30	0.20	SW,SE,S	6.7					
19	—	6:30	7:00	7:00	2:30	1:00	0.30	E,SE,S,SW,N	4.2272					
20	—	24:00	—	—	—	—	—	SW,E	9.0					
21	—	24:00	—	—	—	—	—	E,NE	15.0					
22	—	19:30	2:30	30	1:30	—	0.12	N,E,S,SW	6.0					
23	—	4:00	8:30	10:30	1:00	—	0.12	S,SW,W,N, NE	5.1428					
24	—	7:00	10:00	6:00	30	—	0.21	SW,W,NW,E	4.0					
25	—	10:00	6:30	5:30	2:00	—	0.14	E,SE,W,N	3.4					
26	:55	16:35	5:30	1:00	—	—	0.05	SW,NW,W	3.5					
27	24:00	—	—	—	—	—	—	SW	9.0					
28	24:00	—	—	—	—	—	—	SW	12.5					
29	8:00	16:00	—	—	—	—	—	SW	—					
30	24:00	—	—	—	—	—	—	—	—					
31	24:00	—	—	—	—	—	—	—	—					
Apr. 1	24:00	—	—	—	—	—	—	—	—					
2	8:30	8:30	2:00	4:30	30	—	0.11	SE,E,S,W	6.1666					
3	—	20:00	4:00	—	—	—	—	W,N,E	8.5					
4	—	13:30	8:30	2:00	—	—	0.06	E,W,SW	10.5					
5	—	14:30	2:30	5:30	30	—	0.12	SW,W	21.5					
6	—	17:00	2:30	4:30	—	—	0.10	SW,S	11.0					
7	1:00	16:00	4:00	3:00	—	—	0.10	S,SW	11.25					
8	—	14:30	5:00	4:30	—	—	0.10	SW,S	7.5					

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 136  
 Daily  
 Summary  
 for same  
 period as in  
 Exhibit 135  
 Continued

EXHIBIT NO. 136 (Continued)  
T A B L E I  
SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR McKINNON INDUSTRIES

Date	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
1945										
9	—	7:00	8:30	8:30	—	—	—	0.10	S,SW	5.5
10	—	21:30	2:00	—	—	:30	—	0.20	SW,SE,W	3.8
11	—	12:30	8:00	3:30	—	—	—	0.08	W,N,SW,E,S	4.8333
12	—	10:30	6:30	4:30	2:00	:30	—	0.17	S,SE,SW	6.5
13	—	8:00	7:00	5:30	3:30	—	—	0.14	S,SE,SW	13.9285
14	—	20:00	4:00	—	—	—	—	—	W,NW,N	9.6666
15	—	24:00	—	—	—	—	—	—	NE,E	10.0
16	—	8:30	8:30	6:00	1:00	—	—	0.10	E,SE,W,SW	12.1428
17	—	10:30	4:00	8:30	—	:30	:30	0.30	SE,SW	22.0714
18	—	15:00	1:30	5:30	1:30	:30	—	0.18	SW,W	16.6666
19	—	13:00	1:00	6:30	:30	3:00	—	0.18	SW	15.4
20	—	24:00	—	—	—	—	—	—	SW	10.0
21	:30	23:30	—	—	—	—	—	—	S,SE,N,W	9.75
22	—	24:00	—	—	—	—	—	—	W,N	6.0
23	—	24:00	—	—	—	—	—	—	E	10.5
24	—	17:30	3:00	3:30	—	—	—	0.10	N,W,SW	5.75
25	—	24:00	—	—	—	—	—	—	SW,W,NW	5.3333
26	—	23:30	:30	—	—	—	—	0.04	W,E	11.6666
27	—	23:00	:30	:30	—	—	—	0.06	W	15.3333
28	—	24:00	—	—	—	—	—	—	W,NW	8.0
29	—	23:00	1:00	—	—	—	—	—	N,NW,W,SW	7.0
30	—	15:00	8:00	1:00	—	—	—	0.06	W,SW	5.75
May										
1	—	24:00	—	—	—	—	—	—	W,SW	8.0
2	—	24:00	—	—	—	—	—	—	SW,E	5.0
3	—	24:00	—	—	—	—	—	—	SE,E	9.0

EXHIBIT NO. 136 (Continued)  
 TABLE I  
 SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05		0.11		0.16		Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
				to Hrs.	to Hrs.	to Hrs.	to Hrs.						
4	—	24:00	—	—	—	—	—	—	—	—	E,N	8.0	
5	1:30	22:30	—	—	—	—	—	—	—	—	W,S	5.3333	
6	—	19:30	1:30	1:30	1:00	3:00	3:00	3:00	—	0.20	SW,W,S	4.75	
7	10:00	—	—	6:00	4:30	3:00	—	—	3:00	0.30	S,SW,SE	5.0	
8	24:00	—	—	—	—	—	—	—	—	—	—	—	
9	8:30	10:00	2:00	1:00	3:00	2:00	—	—	—	0.17	W,S,SW	12.0	
10	—	11:00	8:00	4:00	3:00	—	—	—	3:00	0.25	SE,E,N,W,S	9.25	
11	—	11:00	8:00	3:30	3:00	1:00	—	—	—	0.19	W,SW	9.75	
12	—	10:30	7:30	3:00	3:00	—	—	—	—	0.14	SW,S,E,N,W	4.4	
13	—	15:00	7:00	2:00	—	—	—	—	—	0.05	S,E,N,W	4.125	
14	—	19:30	3:00	1:30	—	—	—	—	—	0.06	S,SW,W,E,N	5.875	
15	—	16:30	7:00	3:00	—	—	—	—	—	0.05	E,NE	11.2	
16	—	24:00	—	—	—	—	—	—	—	—	E	10.0	
17	—	24:00	—	—	—	—	—	—	—	—	E	10.0	
18	—	16:30	7:00	3:00	—	—	—	—	—	0.06	E,S	9.5	
19	—	22:00	2:00	—	—	—	—	—	—	—	W,S	7.1666	
20	—	16:30	6:00	1:00	3:00	—	—	—	—	0.14	S,SW,E,SE,W	6.875	
21	3:00	10:00	5:30	3:30	2:00	—	—	—	—	0.14	SE,W,S,SW	7.0	
22	—	4:30	12:00	6:00	1:30	—	—	—	—	0.11	SW,E	22.5	
23	—	18:00	2:00	1:00	3:00	2:30	—	—	—	0.25	W,S,SW	12.0	
24	—	24:00	—	—	—	—	—	—	—	—	SW	—	
25	—	21:30	—	1:00	3:00	3:00	—	—	3:00	0.38	S,SW,SE	5.75	
26	—	14:00	2:00	5:00	2:00	1:00	—	—	—	0.20	SE,W,S	5.5	
27	1:50	13:40	6:00	1:30	1:00	—	—	—	—	0.13	S,E,W,SW	3.625	
28	—	12:25	5:35	4:00	1:30	3:00	—	—	—	0.20	S,SE,SW,W	14.4	

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 136  
 Daily  
 Summary  
 for same  
 period as in  
 Exhibit 135  
 Continued

EXHIBIT NO. 136 (Continued)

SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

T A B L E I

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevaling Wind Direction	Average Wind Velocity M.P.H.
		22:00	1:30	:30	—	—	—	0.05	SW	9.0
		24:00	—	—	—	—	—	—	W,SW	11.0
		24:00	—	—	—	—	—	—	W,N	9.0
June 1		24:00	—	—	—	—	—	—	W,N,E,S	5.0
2		24:00	—	—	—	—	—	—	E,S,N	10.0
3		24:00	—	—	—	—	—	—	E,N	7.0
4		24:00	—	—	—	—	—	—	W	7.0
5	9:35	14:25	—	—	—	—	—	—	W	7.0
6	24:00	—	—	—	—	—	—	—	—	—
7	24:00	—	—	—	—	—	—	—	—	—
8	24:00	—	—	—	—	—	—	—	—	—
9	24:00	—	—	—	—	—	—	—	—	—
10	24:00	—	—	—	—	—	—	—	—	—
11	16:10	7:50	—	—	—	—	—	—	—	—
12	—	24:00	—	—	—	—	—	—	SW	8.0
13	6:00	18:00	—	—	—	—	—	—	W,E	5.0
14	—	21:45	1:15	1:00	—	—	—	—	W	2.0
15	—	22:30	1:15	:15	—	—	—	0.05	S,SW	6.7
16	—	24:00	—	—	—	—	—	0.08	SW,SE,S	4.8
17	—	23:15	:15	:30	—	—	—	—	SW,E	6.0
18	—	21:45	2:00	:15	—	—	—	0.05	SW,S,N,E	4.0
19	—	24:00	—	—	—	—	—	0.05	E,W,S	8.3
20	—	24:00	—	—	—	—	—	—	S,SW	4.0
21	—	23:00	:30	:30	—	—	—	—	S,W,SW	5.0
22	—	24:00	—	—	—	—	—	0.05	W,E,S	4.0
23	—	24:00	—	—	—	—	—	—	S,SW	6.0
24	—	23:30	—	:30	—	—	—	0.07	SW,W	7.0
									S,SW	7.0

EXHIBIT NO. 136 (Continued)

T A B L E I  
SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
25	—	24:00	—	—	—	—	—	—	S,W,E	6.5
26	—	23:45	—	:15	—	—	—	0.05	E,W	5.5
27	:15	23:15	:30	—	—	—	—	—	S,SE,E	4.5
28	—	23:30	—	:30	—	—	—	.095	S,W,SW	4.0
29	12:30	11:30	—	—	—	—	—	—	S,SW	6.0
30	10:45	13:15	—	—	—	—	—	—	E,W,S	5.0
1	—	24:00	—	—	—	—	—	—	S,SW	9.0
2	—	24:00	—	—	—	—	—	—	W	5.0
3	2:30	21:30	—	—	—	—	—	—	—	—
4	—	24:00	—	—	—	—	—	—	—	—
5	—	23:30	0:30	—	—	—	—	—	S,SW	6.0
6	16:50	7:10	—	—	—	—	—	—	S,W	8.0
7	8:30	15:30	—	—	—	—	—	—	S,W,S	8.0
8	—	24:00	—	—	—	—	—	—	S,SW	6.0
9	1:10	18:35	2:30	1:45	—	—	—	0.08	S	7.5
10	2:30	20:30	0:45	0:15	—	—	—	0.08	W	11.0
11	7:20	16:10	0:30	—	—	—	—	0.04	W	9.5
12	—	22:30	1:15	0:15	—	—	—	0.05	SW	12.0
13	—	16:15	4:15	3:30	—	—	—	0.09	SSW,S	7.0
14	—	23:15	0:30	0:15	—	—	—	0.08	S	4
15	—	24:00	—	—	—	—	—	—	E	11
16	0:10	21:50	1:00	0:30	0:30	—	—	0.11	W,E,SE	4
17	—	21:30	2:00	—	—	0:30	—	0.19	S,W,E	6
18	—	24:00	—	—	—	—	—	—	E	5.0
19	—	24:00	—	—	—	—	—	—	W	3.0
20	—	23:15	0:15	0:15	0:15	—	—	0.12	S,SW	3.0
21	—	23:00	0:30	0:30	—	—	—	0.05	W,E	4.0
22	0:30	23:30	—	—	—	—	—	—	W,SW,S	3.5

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 136  
Daily  
Summary  
for same  
period as in  
Exhibit 135  
Continued

EXHIBIT NO. 136 (Continued)  
 T A B L E I  
 SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevaling Wind Direction	Average Wind Velocity M.P.H.
23	—	24:00	—	—	—	—	—	—	W,E	4.0
24	—	23:45	0:15	—	—	—	—	—	W,E	3.0
25	—	19:45	2:45	1:15	—	0:15	—	0.24	S,SW,SE,E	6.0
26	—	24:00	—	—	—	—	—	—	W,E	9.0
27	—	24:00	—	—	—	—	—	—	E	10.0
28	—	23:00	1:00	—	—	—	—	—	W,E	4.0
29	—	24:00	—	—	—	—	—	—	E	7.0
30	—	24:00	—	—	—	—	—	—	E,W,E	4.0
31	—	22:45	1:00	0:15	—	—	—	0.06	SW,E,S,W	3.0
1	—	24:00	—	—	—	—	—	—	S,E,W	4.0
2	—	23:15	0:45	—	—	—	—	—	W,SW	6.0
3	—	23:30	0:30	—	—	—	—	0.02	W	10.0
4	—	23:45	0:15	—	—	—	—	0.03	SW,W	7.0
5	—	24:00	—	—	—	—	—	—	W,E	5.0
6	—	20:15	2:45	1:00	—	—	—	0.06	SE,W	4.0
7	—	24:00	—	—	—	—	—	—	E,W	7.0
8	—	23:45	0:15	—	—	—	—	0.02	W	5.0
9	—	23:45	0:15	—	—	—	—	—	SW,W	4.0
10	—	20:15	3:00	0:45	—	—	—	0.06	SW	3.0
11	—	23:15	0:45	—	—	—	—	0.04	S,F,SE	5.0
12	5:30	17:45	0:30	0:15	—	—	—	0.06	SE,SW	6.0
13	—	24:00	—	—	—	—	—	—	S,W	7.0
14	—	22:45	0:30	0:15	0:15	—	0:15	0.60	SE,SW,S	12.0
15	—	24:00	—	—	—	—	—	—	W	—
16	—	24:00	—	—	—	—	—	—	W,SW	5.0
17	—	24:00	—	—	—	—	—	—	S,SW	4.0
18	—	24:00	—	—	—	—	—	—	S,SW	4.0

Aug.

EXHIBIT NO. 136  
 TABLE I  
 SULPHUR DIOXIDE RECORDER READINGS AT N.R.C. STATION NEAR MCKINNON INDUSTRIES

Date	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
19	—	24:00	—	—	—	—	—	—	SW,W	4.0
20	—	24:00	—	—	—	—	—	—	S,W,SW	3.0
21	—	23:45	0:15	—	—	—	—	—	W	6.0
22	—	24:00	—	—	—	—	—	—	W,E	9.0
23	—	24:00	—	—	—	—	—	—	E	10.5
24	—	23:00	1:00	—	—	—	—	0.04	E,S,E	3.0
25	—	23:45	—	—	—	0:15	—	0.19	SSW,SE,W	8.5
26	—	24:00	—	—	—	—	—	—	W	16.0
27	2:40	21:20	—	—	—	—	—	—	S	2.5
28	—	23:45	0:15	—	—	—	—	—	SW	4
29	—	24:00	—	—	—	—	—	—	SW	8.5
30	—	24:00	—	—	—	—	—	—	SW,S	4.5
31	—	24:00	—	—	—	—	—	—	SW,SE	5.0

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 136  
 Daily  
 Summary  
 for same  
 period as in  
 Exhibit 135  
 Continued*

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 137  
Monthly  
Summary  
for same  
period as in  
Exhibit 135

## EXHIBIT NO. 137

Total hrs. of Sulphur Dioxide Readings per Month  
N.R.C. Recorder Station near McKinnon Industries

Concentration of SO <sub>2</sub> in p.p.m.	Dec. Hrs.	Jan. Hrs.	Feb. Hrs.	March Hrs.	April Hrs.	May Hrs.	June Hrs.	July Hrs.	August Hrs.
Time recorder was not operated	190:20	46:45	26:20	174:15	35:00	48:50	175:15	39:30	8:10
Zero readings	333:25	287:45	296:10	392:15	500:00	523:35	535:15	675:15	721:50
Trace—0.04	77:15	137:00	86:00	84:15	92:30	93:35	5:45	19:00	11:00
0.05—0.10	85:00	175:30	181:30	69:45	77:30	47:00	3:45	8:45	2:15
0.11—0.15	29:00	61:30	45:00	13:00	9:30	19:30	—	0:45	0:15
0.16—0.25	17:00	25:30	24:30	7:30	5:00	11:00	—	0:45	0:15
Above 0.25	12:00	10:00	12:30	3:00	:30	1:30	—	—	0:15
Total duration of SO <sub>2</sub> readings	220:15	409:30	349:30	176:90	185:00	172:35	9:30	29:15	14:00
Maximum concentra- tion in p.p.m.	.565	.70	.64	.40	.30	.38	.095	0:24	0:60



EXHIBIT NO. 138  
Air-borne Dust at N.R.C. Experimental Station

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 138  
Table of  
Dust Con-  
centrations  
25th Nov.,  
1944 to 14th  
Dec., 1944*

Test Period	Average mass concentration of dust, milligrams per cubic metre.		Ratio of dust con- centration from direction of McKinnon Industries to that from other directions
	Wind direction Westerly and Southwesterly	Wind from other Directions	
10 Nov. 25— Dec. 16, 1944	0.237	0.133 0.166	1.78 1.43
Dec. 16, 1944— Feb. 5, 1945	0.297	0.104	2.85
Feb. 6— Apr. 27, 1945	0.280	0.188	1.49
June 1— Aug. 2, 1945	0.1696	0.1580	1.07

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 139  
 Sulphur  
 Dioxide  
 and wind  
 readings  
 4th Sept.,  
 1945 to 29th  
 Nov., 1945

1447

EXHIBIT NO. 139  
 N.R.C. Automatic Recorder Station, St. Catharines

	Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.	
	Sept. 4	9.45-24.00	Zero	SW	7	
	5	0.00-24.00	Zero	SW	5.5	
10	6	0.00- 1.15	Zero	SW	5	
		1.15- 1.30	Trace			
		1.30-22.45	Zero			
	7	22.45-23.00	0.08	SE	5.5	
			23.00-23.45	Zero		
			23.45-24.00	Trace		
20		0.00- 0.15	Zero	S	5.0	
			0.15- 0.30	0.04		
			0.30- 0.45	Zero		
	8	0.45- 1.00	0.10			
			1.00- 1.15	Zero		
			1.15- 1.30	0.08		
9		1.30- 2.00	Trace			
			2.00-24.00	Zero	SW	6
			0.00-24.00	Zero	SW	5
	10	0.00-24.00	Zero	SW	6.5	
			Zero	SW	4	
			Zero	SW	15.5	
11		0.00-24.00	Zero	SW,W	7	
			Zero	S & E	7.5	
			Zero	E	6.5	
	12	0.00- 5.30	Zero			
			5.30- 6.00	0.21		
			6.00-24.00	Zero	SW	5.5
13		0.00- 4.45	Zero	SW & W	13	
			4.45- 5.00	0.56		
			5.00-24.00	Zero		
	14	0.00-24.00	Zero	W	9.5	
			Zero	E	10	
			Zero	E	8.5	
15		0.00- 9.15	Zero	E	8.5	
			9.15- 9.30	0.08		
			9.30-24.00	Zero		
	16	0.00-24.00	Zero	E	8	
			Zero	SW	7.5	
			Zero	SW & W	10.5	
17		0.00-24.00	Zero	W & E	7	
			Zero	SE	3	
			9.30-24.00	No Record		
	18	0.00- 7.30	No Record	SW	11	
			7.30-11.45	Zero		
			11.45-24.00	No Record		
19		0.00- 9.30	No Record			
			9.30-24.00	Zero	SW	5.5
			0.00-24.00	Zero	W & E	5
	20	0.00-24.00	Zero			
			Zero			
			0.00- 1.15	Zero		

EXHIBIT NO. 139 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 139 Sulphur Dioxide and wind readings 4th Sept., 1945 to 29th Nov., 1945 Continued</i>			
10	1.15- 1.30	Trace	SE	4				
	1.30- 1.45	Zero						
	1.45- 2.00	0.11						
	2.00- 2.30	0.04						
	2.30- 3.00	0.05						
	3.00- 3.15	Zero						
	3.15- 3.30	0.05						
	3.30- 5.45	Zero						
	5.45- 6.00	Trace						
	6.00- 7.15	Zero						
20	7.15- 7.30	0.08	SW	2				
	7.30- 9.15	Zero						
	9.15-10.30	Trace						
	10.30-20.30	Zero						
	20.30-21.00	0.20						
	21.00-24.00	Zero						
	28 0.00- 8.00	Zero				W	2	
	8.00- 8.15	0.07						
	8.15-15.15	Zero				SW	7	
	15.15-15.30	0.07						
30	29 15.30-24.00	Zero	W	11				
	0.00-19.45	Zero						
	19.45-20.30	Trace						
	20.30-22.45	Zero						
	22.45-23.30	0.07						
	23.30-24.00	Trace						
	30 0.00- 0.15	Zero				E	8.5	
	0.15- 0.30	0.07						
	0.30- 1.15	Zero						
	1.15- 1.30	0.09						
1.30- 2.00	0.03							
2.00- 2.30	Trace							
2.30- 3.00	0.03							
3.00-24.00	Zero							
40 Oct. 1 0.00- 0.30	Trace	E	9.5					
0.30- 1.45	Zero							
1.45- 2.30	Trace							
2.30-23.15	Zero							
23.15-23.30	0.12							
23.30-24.00	Zero							
2 0.00- 6.00	Zero				SW	18		
6.00- 6.30	0.05							
6.30- 7.00	Trace							
50	7.00- 7.15				Zero	SW		
	7.15- 7.30	0.10						
	7.30- 8.15	Zero						
	8.15- 8.30	0.06						
	8.30- 9.15	0.08						
	9.15- 9.30	0.13						
	9.30-10.00	0.04						
	10.00-10.30	0.07						

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 139  
 Sulphur  
 Dioxide  
 and wind  
 readings  
 4th Sept.,  
 1945 to 29th  
 Nov., 1945  
 Continued

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EXHIBIT NO. 139 (Continued)  
 N.R.C. Automatic Recorder Station, St. Catharines

	Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.	
10		10.30-11.00	0.06			
		11.00-11.30	0.10			
		11.30-12.00	0.06			
		12.00-12.30	0.08			
		12.30-13.00	0.08			
		13.00-13.30	0.10			
		13.30-14.00	0.05			
		14.00-14.30	0.05			
		14.30-15.00	0.07			
		15.00-15.30	0.09			
		15.30-16.00	0.05			
		16.00-16.30	0.04			
		16.30-24.00	Zero			
	20	3	0.00- 4.15	Zero		
			4.15- 4.30	0.04	W	9
			4.30- 5.00	0.06		
5.00- 5.30			0.10			
5.30- 6.00			0.05			
6.00- 6.30			0.09			
6.30- 7.00			0.20			
7.00- 7.30			0.09			
7.30- 8.00			0.03			
8.00-24.00			Zero			
30	4	0.00-24.00	Zero	S & SW	7	
		0.00- 9.45	Zero			
	5	9.45-10.00	0.04	S & SW	7.5	
		10.00-10.30	0.06			
		10.30-12.00	Trace			
		12.00-12.30	0.06			
		12.30-14.30	Trace			
		14.30-15.00	0.05			
		15.00-15.30	0.04			
		15.30-24.00	Zero			
40	6	0.00- 3.30	Zero	S & SW	5	
		3.30- 4.30	Trace			
		4.30- 5.00	Zero			
		5.00- 5.30	0.05			
		5.30- 7.15	Zero			
		7.15- 7.30	0.05			
	6	7.30- 8.45	Zero			
		8.45- 9.00	Trace			
		9.00-11.30	Zero			
		11.30-12.00	Trace			
50	7	12.00-18.00	Zero			
		18.00-18.15	0.05			
		18.15-24.00	Zero			
		0.00- 0.15	Zero	S	4	
		0.15- 0.30	0.10			
		0.30-24.00	Zero			

EXHIBIT No. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 139  
Sulphur  
Dioxide  
and wind  
readings  
4th Sept.,  
1945 to 29th  
Nov., 1945  
Continued*

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
10	8 0.00-24.00	Zero	SW	9.5
	9 0.00- 0.45	Zero	W	8.5
	0.45- 1.00	0.03		
	1.00- 1.45	Zero		
	1.45- 2.00	0.03		
	2.00-18.30	Zero		
	18.30-20.00	Trace		
	20.00-21.45	Zero		
	21.45-22.00	0.07		
	22.00-24.00	Zero		
20	10 0.00- 7.45	Zero	W & E	5.5
	7.45- 8.00	0.04		
	8.00- 9.00	0.05		
	9.00-15.45	Zero		
	15.45-17.45	Trace		
	17.45-18.00	0.06		
	18.00-18.30	0.06		
	18.30-19.00	0.09		
	19.00-20.00	0.06		
	20.00-20.30	0.06		
30	20.30-21.00	0.15		
	21.00-22.00	0.18		
	22.00-23.00	0.06		
	23.00-24.00	0.05		
	11 0.00- 0.30	0.05		
	0.30- 1.00	0.11		
	1.00- 1.30	Trace		
	1.30- 2.00	0.07		
	2.00- 3.00	Trace	SW	5
	3.00- 3.45	Zero		
40	3.45- 4.00	0.12		
	4.00- 4.45	Zero		
	4.45- 5.30	0.09		
	5.30- 6.00	0.13		
	6.00- 7.00	0.06		
	7.00- 7.30	0.06		
	7.30- 8.00	0.14		
	8.00- 8.30	0.04		
	8.30- 9.00	0.09		
	9.00-10.00	0.09		
50	10.00-11.00	0.05		
	11.00-12.00	0.04		
	12.00-13.00	Trace		
	13.00-16.30	Trace		
	16.30-24.00	Zero		
	12 0.00- 0.30	Trace	SW	15
	0.30- 6.15	Zero		

EXHIBIT NO. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 139  
Sulphur  
Dioxide  
and wind  
readings  
4th Sept.,  
1945 to 29th  
Nov., 1945  
Continued

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
	6.15- 6.30	0.05		
	6.30- 8.30	0.05		
	8.30- 9.30	0.08		
	9.30-10.00	Trace		
	10.00-10.30	0.12		
	10.30-11.00	Trace		
	11.00-11.30	0.12		
	11.30-12.00	0.04		
	12.00-12.30	0.11	SW	15
	12.30-13.00	0.07		
	13.00-13.30	0.16		
	13.30-14.30	0.17		
	14.30-15.30	0.12		
20	15.30-17.00	Zero		
Oct. 12	17.00-17.30	0.09		
	17.30-19.15	Zero		
	19.15-19.30	0.06		
	19.30-24.00	Zero		
13	0.00-24.00	Zero	W	10
14	0.00- 7.15	Zero	W	10.5
	7.15- 8.00	0.03		
	8.00- 9.00	0.06		
	9.00-10.00	0.05		
30	10.00-12.00	Trace		
	12.00-19.00	Zero		
	19.00-21.00	0.04		
	21.00-22.00	0.06		
	22.00-23.00	0.05		
15	0.00- 1.00	Trace		
	1.00- 8.00	Zero	W & SW	11.5
	8.00-10.00	Zero		
	10.00-12.00	Trace		
	12.00-13.00	0.07		
40	13.00-14.00	0.10		
	14.00-15.00	0.06		
	15.00-16.00	0.03		
	16.00-17.00	0.06		
	17.00-18.00	0.06		
	18.00-19.00	Trace		
	19.00-21.00	Zero		
	21.00-24.00	Trace		
16	0.00- 1.00	Trace		
	1.00- 6.15	Zero	SW	13.5
50	6.15- 7.00	0.22		
	7.00- 9.00	0.06	W	17
	9.00-10.00	0.07		
	10.00-11.00	0.15		
	11.00-12.00	0.04		
	12.00-13.00	0.10	SW	17
	13.00-14.00	0.10		
	14.00-15.00	0.03	W	7

EXHIBIT No. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
10	15.00-21.00	Zero		
	21.00-22.00	Trace		
	22.00-23.00	0.07		
	23.00-24.00	Trace		
	17 0.00- 7.00	Zero	SW	9
	7.00-10.00	Trace		
	10.00-11.00	0.04		
	11.00-13.00	0.03		
	13.00-14.00	0.05		
	14.00-16.00	Trace		
20	16.00-23.30	Zero		
	23.30-24.00	Trace		
	18 0.00- 8.00	Zero	SW	9
	8.00-15.00	Trace		
	15.00-16.00	0.06		
	16.00-18.00	Trace		
	18.00-24.00	Zero		
	19 0.00-10.00	Zero		
	10.00-13.00	Trace	SW	13
	13.00-14.00	0.03		
30	14.00-15.00	0.04		
	15.00-16.00	0.11		
	16.00-17.00	0.04		
	17.00-18.00	Trace		
	18.00-20.00	Zero		
	20.00-21.00	0.04		
	21.00-24.00	Zero		
	20 0.00-10.00	Zero		
	10.00-11.00	0.03	SW	12
	11.00-12.00	0.07		
40	12.00-13.00	Trace		
	13.00-14.00	0.04		
	Oct. 20 14.00-15.00	0.03		
	15.00-24.00	Zero		
	21 0.00- 7.00	Zero	SW	5.5
	7.00-11.00	Trace		
	11.00-17.00	Zero		
	17.00-18.00	Trace		
	18.00-19.00	0.08	SE	8
	19.00-20.00	0.04		
50	20.00-21.00	0.06		
	21.00-22.00	0.05		
	22.00-23.00	0.09		
	23.00-24.00	0.03		
	22 0.00- 1.00	0.06	SW & W	9
	1.00- 2.00	0.03		
	2.00- 3.00	Zero		
	3.00- 7.00	Trace		

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4th Sept.,  
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Continued*

EXHIBIT NO. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

In the  
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Continued

Date	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.		
20	7.00-11.00	Zero				
	11.00-12.00	0.04				
	12.00-15.00	Trace				
	15.00-24.00	Zero				
	23	0.00- 2.00	Trace	E	11	
	24	2.00-24.00	Zero			
		0.00-14.00	Zero	E	9	
	25	14.00-20.00	Trace			
		20.00-23.00	Zero			
		23.00-24.00	0.04			
		0.00- 2.00	Trace	SW	5	
		2.00-10.00	Zero			
		10.00-11.00	0.03			
		11.00-12.00	0.04			
	30	12.00-13.00	0.03			
		13.00-16.00	Zero			
		16.00-20.00	Trace			
		20.00-24.00	Zero			
		26	0.00- 6.00	Zero	SW	16
		6.00- 9.00	Trace			
		9.00-10.00	0.05			
		10.00-11.00	0.07			
		11.00-12.00	0.09			
12.00-13.00		No Record				
13.00-14.00		0.07				
40	14.00-15.00	0.06				
	15.00-16.00	0.09				
	16.00-17.00	0.03				
	17.00-18.00	0.03				
	18.00-19.00	0.05				
	19.00-20.00	0.08				
	20.00-21.00	0.07				
	21.00-22.00	Trace				
	22.00-23.00	0.05				
	23.00-24.00	0.05				
	27	0.00- 1.00	0.07	W	9.5	
50	1.00- 2.00	Trace				
	2.00- 6.00	Zero				
	6.00- 7.00	0.06				
	7.00- 9.00	Zero				
	9.00-10.00	0.09				
	10.00-11.00	0.13				
	11.00-12.00	0.13				
	12.00-13.00	0.08				
	13.00-14.00	0.09				
	14.00-15.00	0.08				
	15.00-24.00	No Record				
28	0.00-24.00	No Record	E	6		
29	0.00- 8.30	No Record				
	8.30-10.00	Trace	SW	16		
	10.00-11.00	0.05				



EXHIBIT NO. 139 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1945		Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 139 Sulphur Dioxide and wind readings 4th Sept., 1945 to 29th Nov., 1945 Continued</i>
10	Oct. 29	11.00-13.00	Trace			
		13.00-14.00	Zero			
		14.00-15.00	0.03	SW	10	
		15.00-16.00	0.04			
		16.00-24.00	Zero	W	8	
	30	0.00- 4.00	Zero			
		4.00- 5.00	0.03	Calm		
		5.00- 6.45	Zero			
		6.45- 7.00	0.05			
		7.00- 8.00	0.09	E	8	
20		8.00- 9.00	0.07			
		9.00-10.00	Trace			
		10.00-11.45	Zero			
		11.45-12.00	0.04	SE	6.5	
		12.00-13.00	0.06			
	31	13.00-14.00	0.06	Calm		
		14.00-15.30	Zero			
		15.30-16.00	0.07			
		16.00-16.30	Zero			
		16.30-24.00	Shut Down	SW	13	
30		0.00- 7.30	Shut Down			
		7.30- 8.00	Zero			
		8.00- 8.30	Trace	W	11	
		8.30- 9.30	0.09			
		9.30-10.30	0.12			
	Nov. 1	10.30-11.30	0.03	SW	16	
		11.30-12.30	0.08			
		12.30-13.30	0.09			
		13.30-23.15	Zero	W	8	
		23.15-24.00	Trace	S	2.5	
40		0.00- 1.00	Trace	S	2	
		1.00- 2.00	Zero			
		2.00- 2.30	0.05			
		2.30- 3.30	0.12			
		3.30- 4.30	0.05			
	50	4.30- 5.30	Zero			
		5.30- 6.30	0.07			
		6.30- 7.30	0.11			
		7.30- 8.30	0.25			
		8.30- 9.30	0.22			
50		9.30-10.30	0.15			
		10.30-11.30	0.10	SE	8	
		11.30-12.30	0.05			
		12.30-13.30	0.04			
		13.30-14.30	0.04			
	Nov. 1	14.30-16.30	0.05	E	9	
		16.30-17.30	0.04			
		17.30-19.15	Zero			
		19.15-19.30	0.05			
		19.30-20.30	0.22			

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Sulphur  
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Nov., 1945  
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EXHIBIT NO. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
	20.30-21.30	0.11		
	21.30-22.30	0.05	SE	16
	22.30-23.15	Zero		
	23.15-23.30	0.03		
	23.30-24.00	0.04		
2	0.00- 0.30	0.04	S	13
	0.30- 4.00	Trace		
	4.00- 5.00	0.02	SW	12.5
	5.00- 6.00	Trace		
	6.00- 7.00	0.03		
	7.00- 8.00	0.04		
	8.00- 9.00	0.05		
	9.00-10.00	0.03	SW	6
20	10.00-11.00	Trace		
	11.00-12.00	Zero		
	12.00-13.00	Trace	SW	15
	13.00-14.00	0.03		
	14.00-15.00	0.05		
	15.00-16.00	Trace	SW	6
	16.00-23.00	Zero		
	23.00-24.00	Trace		
Nov. 3	0.00- 3.00	Trace	W	9
	3.00-10.30	Zero	W	11
30	10.30-11.00	Trace		
	11.00-14.45	Zero		
	14.45-24.00	No Record		
4	0.00-24.00	No Record		
5	0.00- 8.30	No Record		
	8.30-10.00	Zero	SW	8
	10.00-12.00	0.06		
	12.00-13.00	Trace		
	13.00-14.00	0.03		
	14.00-15.00	0.04	S	5
40	15.00-15.30	0.04		
	15.30-17.00	Trace		
	17.00-18.00	0.08		
	18.00-19.00	0.10	S	8.7
	19.00-20.00	0.08		
	20.00-21.00	0.20		
	21.00-22.00	0.14	S	5
	22.00-23.00	0.05		
	23.00-24.00	0.04		
50	0.00- 1.00	0.05	Calm	
	1.00- 3.00	Zero		
	3.00- 3.30	0.04		
	3.30- 5.00	Trace		
	5.00- 6.00	0.09		
	6.00- 7.00	0.06	S	6
	7.00- 8.00	0.10		
	8.00- 9.00	0.07		

EXHIBIT No. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
10	9.00-10.00	0.04	SW	9.3
	10.00-13.00	0.04		
	13.00-13.30	0.06		
	13.30-16.00	Trace	SW	11.3
	16.00-18.00	Trace	S	4
	18.00-19.00	0.04		
	19.00-20.00	0.05	S	6
	20.00-21.30	0.06		
	21.30-23.00	0.03		
	23.00-24.00	0.05		
20	7 0.00- 1.00	0.06	S	9
	1.00- 2.00	0.04		
	2.00- 3.00	Trace		
	3.00- 7.00	0.03	S	6
	7.00- 8.30	0.04		
	8.30-12.00	Zero	S	11
	12.00-14.00	Trace		
	14.00-15.00	0.04		
	15.00-15.30	Trace	S	10
	15.30-24.00	Zero		
30	8 0.00-13.30	Zero	S,SW	10
	13.30-15.00	No Record	SW	14
	15.00-16.00	0.08		
	16.00-17.00	0.06		
	17.00-24.00	Zero	SW,W	9.3
	9 0.00- 5.30	Zero		
	5.30- 7.00	0.04		
	7.00-10.30	Zero		
	10.30-12.00	Trace		
	12.00-13.00	0.04		
40	13.00-14.00	0.06		
	14.00-16.30	Zero		
	16.30-18.00	Trace		
	18.00-20.30	Zero		
	20.30-22.00	Trace		
	22.00-24.00	Zero		
	10 0.00- 1.30	Trace	W	10
	1.30- 9.30	Zero	SW	8
	9.30-10.00	0.04		
	10.00-14.40	Zero	W	8
Nov.10 14.40-24.00	No Record	Calm		
11 0.00-24.00	No Record	E	5-10	
50	12 0.00- 8.00	No Record	Calm	
	8.00- 9.00	Zero		
	9.00-10.00	0.05	SW	4.7
	10.00-11.00	0.04		
	11.00-12.00	0.05		
	12.00-15.00	0.04	SW	10
	15.00-20.00	Zero	SW,S	5.3-11
20.00-23.00	Trace	SE	14	
23.00-24.00	Zero			

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Defendant's  
Exhibit  
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Sulphur  
Dioxide  
and wind  
readings  
4th Sept.,  
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EXHIBIT NO. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
10	13 0.00- 0.30	0.05	SE	11
	0.30- 8.00	Zero		
	8.00-10.00	0.04	SW	13
	10.00-12.00	Trace	SW	17
	12.00-13.00	0.04	SW	14
	13.00-14.00	0.05		
	14.00-16.00	Trace		
	16.00-22.00	Zero		
	22.00-23.00	0.04	W	11
	23.00-24.00	Trace		
20	14 0.00- 1.00	Trace		
	1.00-17.30	Zero	W	12
	17.30-19.00	Trace	W	17
	19.00-23.30	Zero		
	23.30-24.00	Trace		
30	15 0.00- 2.00	0.07		
	2.00- 3.00	0.04	W	17
	3.00- 4.00	0.05		
	4.00- 6.00	Trace	W	15
	6.00-11.30	Zero	W	10.5
	11.30-12.00	0.05		
	12.00-16.00	0.04	W	13.5
	16.00-24.00	Zero	SW	18
	16 0.00- 3.30	Zero	SW	22
	3.30- 5.00	Trace	SW	13
40	5.00- 6.00	0.04		
	6.00- 7.00	0.05	SW	1
	7.00- 8.00	0.06		
	8.00- 9.00	0.07		
	9.00-10.00	0.05		
	10.00-11.00	0.05		
	11.00-13.00	Trace	SW	11.7
	13.00-14.00	0.05		
	14.00-15.00	0.07		
	15.00-16.00	0.04	SW	6.3
50	16.00-21.30	Zero	SW,S	4.7
	21.30-23.00	Trace	S	7
	23.00-24.00	Zero		
	17 0.00-11.00	Zero	SW	12
	11.00-24.00	No Record		
	18 0.00-24.00	No Record		
	19 0.00- 8.30	No Record		
	8.30- 9.30	0.18	E	5
	9.30-10.30	0.16		
	10.30-11.30	0.12		
11.30-12.30	0.12	E	4.3	
12.30-13.30	0.10			
13.30-14.30	0.07			
14.30-15.30	0.03			

EXHIBIT NO. 139 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 139 Sulphur Dioxide and wind readings 4th Sept., 1945 to 29th Nov., 1945 Continued</i>	
10	20	15.30-16.30		W	6.7	
		16.30-19.30	Trace			
		19.30-24.00	Zero	W	18.5	
		0.00-16.30	Zero	W	14.6	
		16.30-24.00	Trace	W & E	6.7	
	20	21	0.00- 1.00		E	3.3
			1.00- 2.00	0.13		
			2.00- 3.00	0.09		
			3.00- 4.00	0.13	E	6.5
			4.00- 5.00	0.11		
30		Nov.21	5.00- 6.00	0.13		
			6.00- 7.00	0.08	E	8.3
			7.00- 8.00	0.11		
			8.00- 9.00	0.09		
			9.00-10.00	0.07	E	13
	10.00-12.00		No Record			
	12.00-13.00		0.05	E	10.3	
	13.00-13.45		0.05			
	13.45-15.30		No Record			
	15.30-16.30		0.09	E	7.3	
40	22	16.30-17.00	0.12			
		17.00-17.30	0.14			
		17.30-18.30	0.13			
		18.30-19.00	0.12	SE	10.0	
		19.00-19.30	0.05			
		19.30-20.30	0.05			
		20.30-21.30	0.05			
		21.30-22.30	0.04	SE	14.3	
		22.30-24.00	Trace			
		0.00- 3.30	Trace	SE	20	
50	23	3.30- 4.30	0.05	SW	25.3	
		4.30- 5.30	0.03			
		5.30- 6.30	0.04			
		6.30- 7.30	0.04	SW	20.3	
		7.30- 8.30	0.06			
		8.30- 9.30	0.06			
		9.30-10.30	0.06	SW	17.3	
		10.30-11.30	0.05			
		11.30-12.30	Trace			
		12.30-13.30	0.03	SW	20	
50	23	13.30-14.30	0.05			
		14.30-15.30	0.05			
		15.30-16.30	0.05	SW	13.7	
		16.30-18.30	Trace			
		18.30-24.00	Zero	SW	5.8	
		0.00- 4.00	Zero	S	3.3	
		4.00- 5.00	0.05			
		5.00- 6.00	0.05			
6.00- 7.00	0.04	S	4			

EXHIBIT NO. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

<i>In the Supreme Court of Ontario Defendant's Exhibit No. 139 Sulphur Dioxide and wind readings 4th Sept., 1945 to 29th Nov., 1945 Continued</i>	Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
		7.00- 8.00	0.05		
		8.00- 8.30	0.07		
		8.30- 9.30	Trace	SW	2.7
		9.30-16.30	Zero	SW	3.7
		16.30-24.00	Trace	SW	5.5
	24	0.00- 1.00	Trace	SW	8.3
		1.00- 2.00	0.04		
		2.00- 3.00	Trace		
		3.00- 4.00	Trace	SW	13
		4.00-12.00	Zero	SW	15.3
		12.00-24.00	No Record		
	25	0.00-24.00	No Record		
	26	0.00- 8.45	No Record		
20		8.45-13.30	Zero	SW	4.3
		13.30-15.00	Trace	SW	3.7
		15.00-16.00	0.05	S	3.3
		16.00-17.00	0.06		
		17.00-17.30	0.06		
		17.30-18.00	0.12	E	5.3
		18.00-18.30	0.12		
		18.30-19.00	0.16		
		19.00-19.30	0.15		
		19.30-20.00	0.15		
30		20.00-21.00	0.05		
		21.00-22.00	0.14	E	4.7
		22.00-23.00	0.17		
		23.00-24.00	0.14		
	27	0.00- 1.00	0.16	SE	4
		1.00- 2.00	0.22		
		2.00- 2.30	0.27		
		2.30- 3.00	0.24		
	Nov.27	3.00- 4.00	0.20	E	5
40		4.00- 5.00	0.21		
		5.00- 6.00	0.18		
		6.00- 7.00	0.16	E	6.7
		7.00- 8.00	0.18		
		8.00- 9.00	0.22		
		9.00-10.00	0.16	E	6
		10.00-11.00	0.13		
		11.00-12.00	0.07		
		12.00-13.00	0.04	E	9.7
		13.00-14.00	0.06		
		14.00-15.00	0.04		
50		15.00-16.00	0.08	E	7
		16.00-17.00	0.07		
		17.00-18.00	0.09		
		18.00-19.00	0.08	E	8

EXHIBIT No. 139 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1945	Time	SO <sub>2</sub> in P. P. M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
	19.00-20.00	0.06		
	20.00-21.00	0.04		
10	21.00-22.00	0.10	E	7.7
	22.00-23.00	0.06		
	23.00-24.00	0.05		
28	0.00- 1.00	0.07	E	4.3
	1.00- 2.00	0.10		
	2.00- 2.30	0.06		
	2.30- 3.00	0.04		
	3.00- 5.00	Trace	E	5.3
	5.00- 6.00	0.08		
	6.00- 7.00	0.12	E	3
	7.00- 7.30	0.18		
20	7.30- 8.00	0.15		
	8.00- 8.30	0.15	E	4.7
	8.30- 9.00	0.11		
	9.00-10.00	0.14		
	10.00-11.00	Trace		
	11.00-12.00	0.05	E	12.7
	12.00-13.00	Trace		
	13.00-24.00	Zero	E	16
29	0.00- 6.20	Zero	E	16.6

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 139  
Sulphur  
Dioxide  
and wind  
readings  
4th Sept.,  
1945 to 29th  
Nov., 1945  
Continued*

EXHIBIT NO. 140  
 Sulphur Dioxide Recorder Readings at N.R.C. Station near McKinnon Industries.

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
Sept. 1		24:00						S	SW & W	13.5
2		24:00							W	9
3		24:00							SW & E	6
4		24:00							SE & SW	6.5
5		24:00							SW	5.5
6		23:15	0:30	0:15			0.08		SW & SE	5
7		22:45	0:45	0:30			0.10		SW	6
8		24:00							SW	5
9		24:00							SW	6.5
10		24:00							SW	4
11		24:00							SW	15.5
12		24:00							SW & W	7
13		24:00							S & E	7.5
14		23:30				0:30		0.21	E & SW	6
15		23:45					0:15	0.56	SW & W	13
16		24:00							W	9.5
17		24:00							E	10
18		23:45		0:15				0.08	E	8.5
19		24:00							E	8
20		24:00							SW	7.5
21		24:00							SW & W	10.5
22		24:00							W & E	7
23	14:30	9:30							SE	3
24	19:45	4:15							SW	11
25	9:30	14:30							SW	5.5
26		24:00							W & E	5



EXHIBIT NO. 140 (Continued)  
Sulphur Dioxide Recorder Readings at N.R.C. Station near McKinnon Industries.

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
	27	20:00	2:15	1:00	0:15	0:30		0.20	SE & SW	3
	28	23:30		0:30				0.07	W & SW	4.5
	29	22:00	1:15	0:45				0.07	W	11
	30	22:00	1:30	0:30				0.09	E	8.5
Oct.	1	22:30	1:15		0:15			0.12	E & SW	9.5
	2	14:15	1:30	7:45	0:30			0.13	E & SW	13.7
	3	20:15	0:45	2:30		0:30		0.20	W	9
	4	24:00							S & SW	7
	5	18:45	4:15	1:00				0.06	S & SW	7.5
	6	21:15	1:45	1:00				0.05	S & SW	5
	7	23:45		0:15				0.10	S	4
	8	24:00							SW	9.5
	9	21:45	2:00	0:15				0.07	W	8.5
	10	14:30	2:15	5:45	0:30	1:00		0.18	W & E	5.5
	11	9:00	7:30	5:45	1:45			0.14	SW	5
	12	13:30	2:00	4:30	2:30	1:30		0.17	SW	15
	13	24:00							W	10
	14	15:15	4:45	4:00				0.06	W	10.5
	15	11:00	8:00	5:00				0.10	W & SW	11.5
	16	11:15	5:00	6:00	1:00	0:45		0.22	W & SW	13
	17	14:30	6:30	3:00				0.05	SW	9
	18	14:00	9:00	1:00				0.06	SW	9
	19	15:00	8:00		1:00			0.11	SW	13
	20	19:00	4:00	1:00				0.07	SW	12
	21	14:00	7:00	3:00				0.09	SW & SE	6.7
	22	14:00	9:00	1:00				0.06	SW & W	9
	23	22:00	2:00					Trace	E	11

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In the  
Supreme  
Court of  
Ontario  
Defendants  
Exhibit  
No. 140  
Daily  
Summary of  
records in  
Exhibit 139  
Continued

EXHIBIT NO. 140 (Continued)  
 Sulphur Dioxide Recorder Readings at N.R.C. Station near McKinnon Industries.

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
	24	17:00	7:00					0.04	E	9
	25	15:00	9:00					0.04	SW	5
	26	1:00	7:00	6:00	10:00			0.09	SW	16
	27	9:00	6:00	1:00	6:00	2:00		0.13	W	9.5
	28	24:00							E	6
	29	8:30	8:00	6:30	1:00			0.05	SW & W	11.3
	30	7:30	9:00	2:45	4:45			0.09	W, E, SE, & SW	8.7
	31	7:30	10:15	1:15	3:00	2:00		0.13	W, SW & S	9
Nov.	1		4:30	4:45	7:45	4:00	3:00	0.25	S & SE & E	7.5
	2		8:30	13:30	2:00			0.05	S & SW	10.4
	3	9:15	11:15	3:30				Trace	W	10
	4	24:00								
	5	8:30	1:30	6:00	6:00	1:00	1:00	0.20	SW & S	6.5
	6		2:00	13:00	9:00			0.10	S & SW	7.2
	7		12:00	11:00	1:00			0.06	S	9
	8	1:30	20:30		2:00			0.08	S & SW	11
	9		16:00	7:00	1:00			0.06	SW & W	9.3
	10	9:20	12:40	2:00				0.04	W & SW	8.7
	11	24:00							E	7.5
	12	8:00	7:00	7:00	2:00			0.05	SW & S	9
	13		13:30	9:00	1:30			0.05	SE, SW & W	13.2
	14		21:00	3:00				Trace	W	14.5
	15		13:30	7:00	3:30			0.07	W & SW	14.8
	16		10:00	7:00	7:00			0.07	SW & S	10.8
	17	13:00	11:00							

EXHIBIT NO. 140 (Continued)  
Sulphur Dioxide Recorder Readings at N.R.C. Station near McKinnon Industries.

Date 1945	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 Hrs.	0.05 to 0.10 Hrs.	0.11 to 0.15 Hrs.	0.16 to 0.25 Hrs.	Above 0.25 Hrs.	Maximum Readings P.P.M.	Prevailing Wind Direction	Average Wind Velocity M.P.H.
18	24:00									
19	8:30	2:30	4:00	5:00	2:00	2:00		0.18	E & W	8.3
20		16:30	7:30					Trace	W & E	10
21	2:45		3:30	10:15	7:30			0.14	E & SE	9.1
22		5:30	10:30	8:00				0.06	SE & SW	17.5
23		11:00	9:30	3:30				0.07	SW & S	3.3
24	12:00	8:00	4:00					0.04	SW	12.
25	24:00									
26	8:45	3:15	1:30	4:30	4:30	1:30		0.17	E	5
27			3:00	10:00	1:00	9:30	0:30	0.27	SE & E (Nearly all East winds)	6.9
28		11:00	4:30	4:30	3:30	0:30		0.18	E	7.7
29										

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In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 140  
Dated  
Summary of  
records in  
Exhibit 139  
Continued

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 141  
Monthly  
Summary  
Sulphur  
Dioxide  
only as in  
Exhibit 139*

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EXHIBIT NO. 141

Total Hours of Sulphur Dioxide Readings per Month N.R.C. Recorder  
Station near McKinnon Industries

	1945		
	Sept.	Oct.	Nov. (1st-28th)
	Hrs.	Hrs.	Hrs. (inclusive)
Time Recorder not operated	43:45	57:30	177:35
Zero Readings	664:45	473:45	222:40
Trace—0.04 p.p.m.	6:15	120:00	177:25
<b>10</b> 0.05—0.10 p.p.m.	3:45	77:30	88:30
0.11—0.15 p.p.m.	0:15	11:30	23:30
0.16—0.25 p.p.m.	11:00	3:45	17:30
Above 0.25 p.p.m.	0:15	0:00	0:30
Total Duration of SO <sub>2</sub> Readings	11:30	212:45	207:25
Monthly Maximum Concentration, p.p.m.	0.56	0.22	0.27

EXHIBIT NO. 142  
Organic Vapours and Tar Fog in Air at  
N.R.C. Experimental Station, St. Catharines, Ont.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 142  
Table of  
readings  
showing  
organic  
vapours and  
tar fog  
5th Oct.,  
1945 to 18th  
Dec., 1945*

Test Period 1945	Average Mass Concentration Milligrams per Cubic Metre	Prevailing Wind Direction	Percentage of Test Period for Prevailing Winds
October 5—12	0.233	Southwest & West	70
October 12—26	0.231	Southwest & West	81
10 Oct. 26—Nov. 9	0.125	Southwest & West	65
November 9—23	0.115	Southwest & West	70
November 23—30	0.098	East	62
December 1st 7.40 a.m.— 10.00 a.m.	0.224	Southwest & West	77
December 3rd 8.00 a.m.— 4.10 p.m.			
Nov. 30—Dec. 7	0.0504	East and Southeast	70
December 7—7.00 a.m.	0.0524	West and Southwest	100
December 8—8.30 a.m.			
20 December 7—14	0.0162	West and Southwest	90
December 12, 7.00 a.m.	0.0627	West and Southwest	100
December 13, 7.00 a.m.			
December 14, 8.30 a.m.			
December 14, 8.30 a.m.	0.0493	West and Southwest	100
December 18, 4.00 p.m.			

When the prevailing wind was in a given direction for a definite percentage of the total time.

## EXHIBIT NO. 143

N. R. C. Automatic Recorder Station, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946*

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
20	May 2	13.30-17.00	Zero	Northeast	
		17.00-20.00	Zero	Northeast	
		20.00-24.00	Zero	North	
	May 3	0.00- 6.00	Zero	Northeast	
		6.00- 8.30	Zero	East	
		8.30-11.40	No Record	East, Northeast	
		11.40-16.00	Zero	Northeast and East	
		16.00-22.30	Zero	East	
		22.30-23.00	0.02		
		23.00-23.30	0.02	East	
23.30-24.00	Trace				
May 4	0.00- 0.30	Zero	Southeast		
	0.30- 6.30	Trace	Southeast and east		
	6.30- 8.00	0.03	Southeast		
	8.00- 9.00	Trace	Southeast		
	9.00- 9.45	Zero	Southeast		
9.45-24.00	Shut down	Southeast			
May 5	0.00-24.00	Shut Down	SE, West, Southwest		
30	May 6	0.00- 8.00	Shut down	West	
		8.00- 8.30	Trace		
	8.30- 9.00	0.04			
	9.00- 9.30	0.05			
	9.30-10.00	0.04	West		
	10.00-10.30	0.06			
	10.30-11.00	0.05			
	11.00-11.30	0.05			
	11.30-12.00	0.03			
	12.00-16.00	Zero	Northwest		
16.00-20.00	Zero	Northwest			
20.00-24.00	Zero	Northwest			
40	May 7	0.00- 8.00	Zero	Northwest	
		8.00-12.00	Zero	Northwest	
		12.00-14.00	Trace	Northeast	
		14.00-16.30	Zero	Northeast	
		16.30-18.00	Trace	Northeast	
18.00-24.00	Zero	Northeast			
May 8	0.00- 8.00	Zero	Northwest		
	8.00-12.00	Zero	Northwest		
	12.00-12.30	Trace	Northwest		
	12.30-17.00	Zero	Northwest		
	17.00-18.00	Trace	West		
	18.00-24.00	Zero	Southwest		

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	May 9	0.00- 2.30	Zero	Southwest	In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued
		2.30- 6.00	Trace	Southwest	
		6.00- 6.30	0.05	Southwest	
		6.30- 7.00	0.08	Southwest	
		7.00- 8.00	Zero	Southwest	
		8.00- 8.50	No Record	Southwest	
		8.50- 9.30	Zero	West	
		9.30-10.00	0.02	West	
		10.00-11.00	Zero	West	
		11.00-12.00	Trace	West	
20	May 10	12.00-18.00	Zero	West, Northwest	
		18.00-24.00	Zero	Northwest	
		0.00- 7.00	Zero	Northwest	
		7.00- 8.00	Trace	Northwest	
		8.00- 9.00	Zero	Northwest	
		9.00-11.30	No Record	Northwest	
		11.30-17.30	Zero	North, Northwest	
		17.30-18.00	Trace	West, Southwest	
30	May 10	18.00-18.30	Zero	South	
		18.30-19.00	0.02	South	
		19.00-19.30	0.08	South	
		19.30-20.00	0.05	South	
		20.00-20.30	0.11	South	
		20.30-21.00	0.18	South	
		21.00-21.30	0.20	South	
		21.30-22.00	0.22	South	
		22.00-22.30	0.08	South	
		22.30-23.00	0.09	South	
40	May 11	23.00-23.30	0.03	South	
		23.30-24.00	0.05	South	
		0.00- 0.30	0.03	South	
		0.30- 1.00	0.03	South	
		1.00- 2.30	Trace	South	
	May 11	2.30- 9.40	Zero	South, Southwest	
		9.40-24.00	Shut down	North, Northwest, West	
		0.00-24.00	Shut down	Northwest, NE,N,NE,SW	
		0.00- 8.20	Shut down	Northwest	
		8.20-12.00	Zero		
	May 13	12.50-15.40	Zero		
		15.40-18.00	Trace		
		18.00-21.00	Zero		
		21.00-21.30	0.03	Southeast	

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued

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EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	21.30-22.00	0.05	Southeast		
	22.00-22.30	0.11	Southeast		
	22.30-23.00	0.11	Southeast		
	23.00-23.30	0.16	Southeast		
	23.30-24.00	0.10	Southeast		
May 14	0.00- 0.30	0.11	Southeast	2.5	
	0.30- 1.00	0.12	Southeast	2.5	
	1.00- 1.30	0.12	Southeast	2.5	
	1.30- 2.30	0.08	Southeast	2.5	
	2.30- 3.30	0.04	Southeast	2.5	
	3.30- 4.00	0.05	Southeast	2.5	
20	4.00- 5.30	Trace	Southeast, South	1.75	
	5.30- 9.00	Zero	West	2.50	
	9.00-12.00	Zero	West, NW, North	4.0	
	12.00-13.00	Trace	North	4.5	
	13.00-13.30	0.03	West	1.0	
	13.30-14.00	0.05	West	1.0	
	14.00-14.30	0.05	West	1.0	
	14.30-15.00	0.06	West	1.0	
	15.00-16.00	Trace	West, North	2.0	
	16.00-17.30	Zero	North	3.0	
	17.30-18.00	Trace	North	3.0	
30	18.00-18.30	0.05	North	3.0	
	18.30-19.00	0.07	East	2.0	
	19.00-19.30	0.07	East	2.0	
	19.30-20.00	0.05	East	2.0	
	20.00-20.30	0.03	East	2.0	
	20.30-21.00	Trace	South	4.0	
	21.00-21.30	0.05	South	4.0	
	21.30-22.00	Trace	South	4.0	
	22.00-24.00	Zero	South	4.0	
40	May 15	0.00-11.15	Zero	South, Southwest	4.0
		11.15-12.45	Trace	Southwest	8.0
		12.45-19.45	Zero	SW, West	6.5
		19.45-20.00	Trace	West	5.0
		20.00-21.00	Trace	Southeast	5.0
		21.00-21.30	0.08	Southeast	5.0
		21.30-22.00	Trace	Southeast	5.0
		22.00-24.00	Zero	Northwest	4.0
50	May 16	0.00- 2.45	Zero	West, SE	5.0
		2.45- 3.00	0.08	Southeast	4.5
		3.00- 3.30	0.05	Southeast	4.5
		3.30- 4.00	Trace	Southeast	4.5
		4.00- 4.30	0.06	Southeast	4.5
		4.30- 5.00	Trace	Southeast	4.5
		5.00- 8.30	Zero	North	2.0
		8.30- 9.00	0.03	East	5.0



EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	9.00- 9.30	Trace	East	5.0
	9.30-10.00	0.05	East	5.0
	10.00-10.30	Trace	East	5.0
	10.30-11.30	Trace	West	2.0
	11.30-19.00	Zero	West, Northwest	2.0-6.5
	19.00-19.30	0.03	Northeast	9.0
	19.30-20.00	Zero	Northeast	9.0
	20.00-20.30	Trace	Northeast	9.0
	20.30-22.00	Zero	Northeast	9.0
	22.00-22.30	Trace	Northeast	9.0
	22.30-23.00	Zero	Northeast	9.0
	23.00-23.30	0.03	Northeast	9.0
	23.30-24.00	Zero	Northeast	9.0
20	May 17 0.00- 0.30	Trace	Northeast	14.0
	0.30- 1.00	Zero	Northeast	14.0
	1.00- 1.30	Trace	Northeast	14.0
	1.30-24.00	Zero	Northeast, East	12.0-14.0
	May 18 0.00- 7.30	Zero	East	4.0
	7.30- 9.00	Trace	East	4.0
	9.00- 9.30	Zero	No Record	
	9.30-24.00	Shut Down	No Record	
	May 19 0.00-24.00	Shut Down	No Record	
	May 20 0.00- 8.30	Shut Down	No Record	
30	8.30-10.30	Trace	East, North	2.5-5.0
	10.30-13.00	Zero	North	5.0
	13.00-15.00	Trace	Southwest	8.0
	15.00-19.30	Zero	S, SW-NW	4.0-8.0
	19.30-21.00	Trace	South	7.0
	21.00-24.00	Zero	South	7.0
	40	May 21 0.00- 6.00	Zero	West, Northwest
6.00- 6.30		0.04	West	5.0
6.30- 9.30		Zero	West, Southwest	5.0-17.0
9.30-10.30		Trace	Southwest	17.0
10.30-11.00		0.02	Southwest	17.0
11.00-11.30		0.03	Southwest	17.0
11.30-14.30		Trace	Southwest	17.0
14.30-15.00		0.03	Southwest	17.0
15.00-24.00		Zero	Southwest, West	10.0-17.0
May 22 0.00- 2.30		Zero	Southwest	8.5
2.30- 3.00	Trace	Southwest	8.5	
3.00- 8.00	Zero	Southwest	8.5	
8.00- 8.30	Trace	Southwest	8.5	

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued*

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
20	8.30-12.00	Trace	Southwest, West	8.0	
	12.00-14.00	Zero	Southwest	11.0	
	14.00-15.00	Trace	W	11.0	
	15.00-24.00	Zero	Southwest, South	4.0-11.0	
	May 23	0.00- 3.00	Zero	South	6.0
	3.00- 5.00	Trace	South	6.0	
	5.00- 9.30	Broken Suspen- sion	S-SW	6.0	
	9.30-12.00	Zero	Southwest	5.0	
	12.00-13.00	Trace			
	13.00-14.00	0.03	Southwest	5.0	
	14.00-16.30	Zero			
	16.30-18.00	Trace	Northeast	7.0	
	18.00-20.00	Zero	Southeast	3.0	
	20.00-21.30	Trace			
21.30-22.00	0.07	Southeast	1.5		
22.00-22.30	0.04				
22.30-24.00	Zero	Southeast			
30	May 24	0.00- 4.00	Zero	South	2.0
	4.00- 4.30	0.04	South, SW	8.0	
	4.30- 5.00	0.05			
	5.00- 5.30	0.03			
	5.30- 6.30	Trace			
	6.30- 7.30	Zero			
7.30- 8.30	Trace				
8.30-24.00	Zero	Southwest	8.0		
May 25	0.00-24.00	Zero	SW, NW	12.0-4.5	
May 26	0.00-12.00	Zero	N, NW, NE	5.0-3.5, 10.0	
	12.00-24.00	No Record	N, NE	2.5	
May 27	0.00- 7.30	No Record	N, NE	2.5	
	7.30-24.00	Zero	NE	10.0-4.0	
May 28	0.00-24.00	Zero	Northeast	9.5-19.0-4.0	
40	May 29	0.00- 5.00	Zero	SW	1.5
		5.00- 6.00	0.03		
	6.00- 6.30	Trace	W	1.5	
	6.30- 7.00	Zero			
	7.00- 9.00	Trace	W	1.5	
	9.00-10.00	Zero	W, NW	5.0	
	10.00-11.00	Trace			
	11.00-24.00	Zero	NW, SW	5.0	
	May 30	0.00- 8.00	Zero	SW	4.0
8.00-10.00		Trace	SW	9.0	
10.00-10.30		0.06			

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EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>	
10	10.30-11.00	0.14	W	9.0		
	11.00-11.30	0.08				
	11.30-12.00	0.12				
	12.00-12.30	0.03				
	12.30-13.00	0.08	W	9.0		
	13.00-13.30	0.07				
	13.30-14.00	0.09				
	14.00-14.30	0.06	West	9.0		
	14.30-15.00	0.10				
	15.00-15.30	0.03	West	9.0		
20	May 31	15.30-16.00	0.07			
		16.00-16.30	0.10	West		12.0
		16.30-24.00	Zero	Southwest		7.0
		0.00- 8.00	Zero	SW, NW		5.0-9.0
		8.00-11.30	Trace	SW		11.0
		11.30-24.00	Trace	W, S, NE		8.0-4.0-
						12.5
	June 1	0.00-24.00	Zero	NE		15.0-3.5
	June 2	0.00- 5.30	Zero	NE-E		4.0-2.0
		5.30- 6.00	Trace	E		2.0
30	June 3	6.00- 6.30	Zero			
		6.30- 7.00	Trace	E		2.0
		7.00-24.00	Zero	NE, NW		12.0-2.0
		0.00- 7.00	Zero	W, SW		1.0-2.5
		7.00- 7.30	0.03			
		7.30- 8.30	Trace	SW		7.0
	June 3	8.30- 9.00	Zero			
		9.00- 9.30	Trace	SW		7.0
		9.30-10.00	0.05			
		10.00-10.30	0.05			
40		10.30-11.00	0.07			
		11.00-11.30	0.02			
		11.30-12.00	0.05			
		12.00-12.30	Trace	NW		7.0
		12.30-24.00	Zero	NW, W, NW		7.0-6.0-3.0
	June 4	0.00-15.00	Zero	W, SW, NW		4.0-3.5-7.0
		15.00-15.30	0.20	SW		9.0
		15.30-16.00	0.04			
		16.00-16.30	Zero	SW		9.0
		16.30-24.00	Zero	SW		9.0-3.0
50	June 5	0.00- 7.00	Zero	SW	3.0	
		7.00- 8.00	Trace	SW	3.0	
		8.00-11.00	Zero	NW	7.0	
		11.00-13.00	Trace	NW	7.0	
		13.00-24.00	Zero	SW	7.0	
	June 6	0.00- 7.00	Zero	SW	6.0	
		7.00- 7.30	Trace			
		7.30- 8.00	0.05	SW	6.0	

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Continued

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EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	8.00- 8.30	Zero			
	8.30- 9.00	0.03			
	9.00- 9.30	0.03			
	9.30-10.00	0.08			
	10.00-11.30	Zero	SW	6.0	
	11.30-12.00	0.08			
	12.00-13.30	Zero	SW	13.0	
	13.30-14.30	Trace			
	14.30-15.00	0.03			
	15.00-16.00	0.05	SW	13.0	
	16.00-16.30	0.07			
	16.30-17.00	Trace	SW	13.0	
	17.00-24.00	Zero	SW	13.0	
20	June 7	0.00- 9.00	Zero	SW	5.0
		9.00-12.00	Trace	SW	14.0
		12.00-12.30			0.05
		12.30-13.00			0.05
		13.00-13.30	0.03	SW	14.0
		13.30-14.00	0.05		
		14.00-15.00	0.04		
		15.00-15.30	0.04	SW	14.0
		15.30-16.00	0.07		
		16.00-17.00	Trace	SW	14.0
30	June 8	17.00-24.00	Zero	S, SW	5.0
	June 9	0.00-24.00	Zero	SW, NW, W	11.0-10.5-5.0
		0.00-24.00	Zero	NW, W, NW, N	9.0-5.0-10.0
					-9.0
	June 10	0.00- 6.30	Zero	SW, S	2.0
		6.30- 7.30	Trace		
		7.30- 9.00	Trace	S	2.0
		9.00-10.50	Zero	S	6.0
		10.50-24.00	Shut Down	SW, S	8.0-5.0
40	June 11	0.00-10.20	Shut Down	S, SW	7.0-12.0
		10.20-10.50	0.04	SW	12.0
		10.50-12.00	Trace		
		12.00-13.00	0.04		
		13.00-14.00	0.03		
		14.00-15.00	0.03	SW	12.0
		15.00-16.00	0.04	NW	16.0
		16.00-17.00	0.03		
		17.00-17.30	0.04	W	15.0
		17.30-18.00	0.02		
		18.00-24.00	Zero	NW, N, W	12.0-2.0-5.0
50	June 12	0.00- 7.00	Zero	NW, N	6.0
		7.00- 7.30	0.04	W	6.0
		7.30- 8.00	0.08	W	6.0
		8.00- 8.30	0.04	NW	7.0
		8.30-10.30	Trace	NW	7.0
		10.30-24.00	Zero	NW, SW	7.0-8.0

EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	June 13	0.00- 7.00	Zero	SW	5.0
		7.00- 8.00	Trace	NW	10.0
		8.00-24.00	Zero	NW, NE	8.0-10.0
10	June 14	0.00-14.30	Zero	E, NE	6.0-14.0
		14.30-24.00	Zero	NE, E	14.0-2.0
	June 15	0.00-24.00	Zero	E, NE	2.0-10.0
	June 16	0.00-24.00	Zero	E, S, SW	2.0-8.0
	June 17	0.00- 8.00	Zero	SW	6.0
		8.00- 9.00	Trace	SW	6.0
		9.00- 9.30	0.03	SW	6.0
		9.30-10.30	Zero	SW	6.0
		10.30-11.00	Trace	SW	6.0
20		11.00-11.30	0.16	West	17.0
		11.30-12.00	0.17	West	17.0
		12.00-12.30	0.20	West	17.0
		12.30-13.00	0.13	West	17.0
		13.00-13.30	Trace	SW	6.0
		13.30-14.00	0.03	SW	6.0
		14.00-15.00	Zero	SW	6.0
		15.00-15.30	0.07	SW	6.0
		15.30-16.00	0.04	SW	6.0
		16.00-17.30	Trace	SW	6.0
		17.30-24.00	Zero	SW	6.0
30	June 18	0.00-24.00	Zero	SW, NE	4.0-8.0
	June 19	0.00-24.00	Zero	NE, E	2.0-14.0
	June 20	0.00- 2.30	Zero	SE	3.0
		2.30- 3.00	0.03	SE	3.0
		3.00- 5.30	Zero	SE	3.0
		5.30- 7.00	Trace	SE	3.0
		7.00- 7.30	0.05	SE	3.0
		7.30- 8.00	0.07	SE	3.0
		8.00- 8.30	0.05	SE	3.0
		8.30- 9.00	0.03	SE	3.0
40		9.00- 9.30	Trace	SE	3.0
		9.30-11.30	Zero	South	5.0
		11.30-13.00	Trace	South	5.0
		13.00-24.00	Zero	S, NE, W, NW	2.0-8.0
	June 21	0.00- 7.30	Zero	NW, SW	7.0-17.0
		7.30- 8.30	Trace	SW	17.0
		8.30-24.00	Zero	SW, W	17.0-7.0
	June 22	0.00-24.00	Zero	W, SW, NW, S	10.0-2.0
	June 23	0.00-24.00	Zero	S, SW, NW	4.0-7.0
	June 24	0.00- 7.00	Zero	SW	9.0
50		7.00- 7.30	Trace	SW	9.0
		7.30- 8.00	Trace	SW	9.0
		8.00- 8.30	0.04	SW	9.0
		8.30-10.00	Trace	SW	9.0

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## EXHIBIT NO. 143 (Continued)

N. R. C. Automatic Recorder Station, St. Catharines

In the  
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Continued

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
June 24	10.00-10.30	0.04	SW	9.0
	10.30-11.00	Trace	SW	9.0
	11.00-12.00	Trace	SW,S	9.0-11.0
	12.00-12.30	0.04	S	11.0
	12.30-13.30	Trace	S	11.0
June 25	13.30-24.00	Zero	SW	6.5
	0.00- 5.00	Zero	S	4.0
	5.00- 6.00	Trace	S	4.0
	6.00- 8.00	Zero	S, SW	4.0-11.0
	8.00- 9.00	Trace	SW	11.0
	9.00- 9.30	0.03	SW	11.0
	9.30-10.00	0.04	SW	11.0
	10.00-10.30	0.02	SW	11.0
	10.30-11.00	0.02	SW	11.0
	11.00-12.30	Trace	SW	11.0
	12.30-13.00	0.03	SW	11.0
	13.00-14.00	0.03	SW	11.0
	14.00-14.30	0.02	SW	11.0
	14.30-15.00	0.05	SW	11.0
	15.00-15.30	0.04	SW	11.0
	15.30-16.00	0.03	SW	11.0
	16.00-17.00	Trace	SW	11.0
	17.00-21.00	Zero	SW, S	11.0-7.0
	21.00-23.00	Trace	S	7.0
23.00-24.00	Zero	S	7.0	
June 26	0.00- 7.30	Zero	S-SW	7.0-9.0
	7.30- 9.00	Trace	SW	9.0
	9.00-10.00	Trace	SW	9.0
	10.00-10.30	0.04	SW	9.0
	10.30-11.30	Trace	SW	9.0
	11.30-13.00	Trace	SW	9.0
	13.00-13.30	0.02	SW	9.0
	13.30-15.00	Trace	SW	9.0
	15.00-24.00	Zero	SW	9.0
	0.00-17.00	Zero	SW-NW-NE-E	2.0-7.0
June 27	17.00-18.00	Trace	E-SW	7.0-6.0
	18.00-20.00	Zero	SW	6.0
	20.00-21.00	Trace	SW	6.0
	21.00-24.00	Zero	SW	6.0
	0.00- 6.00	Zero	SW	5.0
June 28	6.00- 8.00	Trace	SW	5.0
	8.00- 9.00	0.02	SW	5.0
	9.00- 9.30	0.03	SW	5.0
	9.30-11.00	Trace	SW	5.0
	11.00-12.00	Trace	SW	5.0
	12.00-12.30	0.03	SW	5.0
	12.30-14.30	Trace	SW	5.0
	14.30-24.00	Zero	SW-S	5.0-4.0

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
	June 29	0.00-24.00	Zero	S-SW-NW	3.5-5.0	
	June 30	0.00-24.00	Zero	SW-S	4.0	
10	July 1	0.00- 7.00	Zero	S-SW	6.5-10.0	
		7.00- 7.30	Trace	S-SW	6.5-10.0	
		7.30- 8.00	Zero	SW	10.0	
		8.00- 9.30	Trace	SW	10.0	
		9.30-24.00	Zero	SW-NW	10.0-8.5	
	July 2	0.00- 8.00	Zero	NW-SW	8.0-5.0	
		8.00-24.00	Zero	NE-NW-SW	7.0-3.5	
	July 3	0.00- 5.30	Zero	SW	2.0	
		5.30- 6.00	Trace	SW	2.0	
		6.00- 6.30	0.03	SW	2.0	
20	July 3	6.30- 7.00	Trace	SW	2.0	
		7.00- 7.30	0.03	NW	4.0	
		7.30-24.00	Zero	NW-NE-E-SE-S	4.0-7.5	
	July 4	0.00-10.30	Zero	S-SW-NW	2.0-6.0	
		10.30-12.00	Trace	NW-NE	6.0-9.5	
		12.00-23.30	Zero	NE-E	9.5-4.0	
		23.30-24.00	Trace	SE	4.0	
	July 5	0.00- 0.30	0.03	SE	4.0	
		0.30- 1.00	0.02	SE	4.0	
		1.00- 1.30	0.02	SE	4.0	
30		1.30- 2.00	0.03	S	8.0	
		2.00- 2.30	0.06	S	8.0	
		2.30- 3.00	0.06	S	8.0	
		3.00- 3.30	0.16	S	8.0	
		3.30- 4.00	0.28	S	8.0	
		4.00- 4.30	0.20	S	8.0	
		4.30- 5.00	0.080	S	8.0	
		5.00- 5.30	0.050	S	8.0	
		5.30- 6.00	0.030	S	8.0	
		6.00- 6.30	0.02	S	8.0	
40		6.30- 8.00	Trace	S	8.0	
		8.00-10.00	Trace	S-SW	8.0-6.5	
		10.00-12.00	Zero	S-SW	6.5	
		12.00-14.00	Trace	S	6.5	
		14.00-15.00	0.02	S-SW	6.5	
		15.00-24.00	Zero			
	July 6	0.00- 8.30	Zero	S-SW	5.0	
		8.30-24.00	Zero	S-SW-NW	10.0-2.0	
	July 7	0.00-22.45	Zero	S-SW-N-NW-NE-E- SE	1.5-9.0	
		22.45-23.00	0.21	SE	5.0	
50		23.00-23.30	0.11	SE	5.0	
		23.30-24.00	0.13	SE	5.0	
	July 8	0.00- 0.30	0.08	SE	2.0	
		0.30- 1.00	0.10	SE	2.0	
		1.00- 1.30	0.04	SE	2.0	
		1.30- 2.00	0.07	SE	2.0	

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EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		2.00-2.30	0.04	SE	2.0
		2.30-3.00	0.04	SE	2.0
		3.00-3.30	0.04	SE	2.0
		3.30-4.00	0.03	SE	2.0
10		4.00-5.00	0.03	W	2.5
		5.00-6.00	0.02	W	2.5
		6.00-7.00	0.03	SW	4.0
		7.00-8.00	Trace	SW-W	4.0-7.0
		8.00-8.30	0.05	W	7.0
		8.30-9.00	0.03	W	7.0
		9.00-13.00	Trace	NW-E-SW	8.0-5.5
		13.00-13.30	Zero	SW-NW	6.5
20		13.30-14.00	Trace	SW-NW	6.5
		14.00-15.00	0.02	SW-NW	6.5
		15.00-16.00	0.02	SW-NW	6.5
		16.00-24.00	Zero	SW-NW	6.5-5.0
	July 9	0.00-24.00	Zero	NW-N-NE-E	7.0-3.0
	July 10	0.00-6.00	Zero	W-SW	2.0-3.0
		6.00-9.00	Trace	SW	3.0
		9.00-23.00	Zero	N-NE-E	11.0-6.0
		23.00-24.00	Trace	E	6.0
	July 11	0.00-0.30	Trace	E	2.0
30		0.30-1.00	0.03	E	2.0
		1.00-2.00	Trace	East	2.0
		2.00-2.30	0.04	East	2.0
		2.30-3.00	0.06	South	4.0
		3.00-3.30	0.03	South	4.0
		3.30-4.30	Trace	South	4.0
		4.30-5.00	0.02	West	2.5
		5.00-6.00	Trace		
		6.00-6.30	0.03	West	2.5
		6.30-7.30	Trace		
		7.30-8.00	0.03	West	2.5
40		8.00-11.00	Trace	Southwest	8.0
		11.00-14.30	Zero	Southwest	8.0
		14.30-15.00	Trace		
		15.00-16.00	0.03	Southwest	8.0
		16.00-17.00	Trace		
		17.00-17.30	0.02	Southwest	8.0
		17.30-18.00	0.03		
		18.00-24.00	Zero	S and SW	4.0-7.0
	July 12	0.00-24.00	Zero	W, NW and NE	3.0-8.0
	July 13	0.00-24.00	Zero	NW, N and SW	3.5-6.0
50	July 14	0.00-24.00	Zero	W, SW and S	2.5-12.5
	July 15	0.00-24.00	Zero	NE, E and N	5.0-17.0



EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>	
July 16  10	0.00- 1.00	Zero	North	4.0		
	1.00- 2.30	Trace				
	2.30- 5.30	Zero	SW	4.0		
	5.30- 6.00	0.03				
	6.00- 7.00	Trace	SW	4.0		
	7.00- 7.30	Trace	South	4.0		
	7.30- 8.00	0.04				
	8.00- 8.30	0.07	South	4.0		
	8.30- 9.00	0.05				
	9.00- 9.30	0.04	South	4.0		
20	9.30-10.30	0.02	South	4.0		
	10.30-11.30	0.03				
	11.30-13.00	Trace	East and NE	7.5		
	13.00-21.30	Zero	NE and E	12.0-8.0		
	21.30-22.00	Trace	Southeast	6.0		
	22.00-22.30	0.07				
	22.30-23.00	0.07	South	5.0		
	23.00-23.30	0.04				
	23.30-24.00	Trace	South	5.0		
	July 17  30	0.00- 0.30	0.02	South	6.0	
0.30- 1.00		0.14				
1.00- 1.30		0.14				
1.30- 2.00		0.10	South	6.0		
2.00- 2.30		0.09				
2.30- 3.00		0.09	South	5.0		
3.00- 3.30		0.10				
3.30- 4.00		0.04	West	5.0		
4.00- 4.30		0.05				
4.30- 5.00		0.04				
40	5.00- 6.00	0.03	West	5.0		
	6.00- 6.30	0.03				
	6.30- 7.00	0.02	Southwest	2.0		
	7.00- 7.30	0.03				
	7.30- 8.00	Trace	Southwest	2.0		
	8.00- 8.30	0.03				
	8.30- 9.00	0.05	West	2.0		
	9.00-10.00	0.05				
	10.00-10.30	0.04	Northeast	8.0		
	10.30-11.00	0.02				
July 17  50	11.00-11.30	0.03				
	11.30-13.00	Trace	Northeast	8.0		
	13.00-20.00	Zero	Northeast	6.5		
	20.00-20.30	Trace	Southeast	5.0		
	20.30-22.00	Zero	South	3.0		
	22.00-23.30	Trace	South	3.0		
	23.30-24.00	Zero	South	3.0		
	July 18	0.00- 1.30	Trace	South		1.5
		1.30- 2.30	Zero			
		2.30- 3.00	Trace			1.5
3.00- 3.30		Zero	South	2.0		
3.30- 4.30		Trace				
4.30- 5.00		0.03				
5.00- 6.30	Trace	South	2.5			

## EXHIBIT NO. 143 (Continued)

In the  
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Continued

## N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	6.30- 7.00	Zero		
	7.00- 8.00	Trace	South	2.5
	8.00- 8.30	0.04	S	3.0
	8.30- 9.00	0.02		
	9.00- 9.30	0.02		
	9.30-11.30	Trace	SW	3.5
	11.30-24.00	Zero	N and S	4.5-5.0
July 19	0.00- 4.30	Zero	S	5.0
	4.30- 5.00	0.03		
	5.00- 5.30	Trace	S	5.0
	5.30- 6.00	0.02		
	6.00- 7.00	0.02		
	7.00- 7.30	0.04	S	5.0
20	7.30- 8.00	0.03		
	8.00- 8.30	0.03	SW	15.0
	8.30- 9.00	0.03		
	9.00-10.00	0.05		
	10.00-10.30	0.04		
	10.30-11.00	0.06	SW	15.0
	11.00-12.00	0.05		
	12.00-12.30	0.04		
	12.30-13.00	0.05	SW	15.0
	13.00-13.30	0.03		
	13.30-14.00	0.05		
30	14.00-14.30	0.06		
	14.30-15.00	0.09	SW	15.0
	15.00-15.30	0.03		
	15.30-16.00	0.03		
	16.00-17.30	0.03		
	17.30-18.00	0.02		
	18.00-19.00	Trace	NW	20.0
	19.00-24.00	Zero	SW	6.0
July 20	0.00-24.00	Zero	W, NW, NE and S	3.0-5.5
40 July 21	0.00-24.00	Zero	S, NW, NE and S	2.0-6.0
July 22	0.00- 8.00	Zero	S	3.0
	8.00-12.00	Trace	S	3.0
	12.00-24.00	Zero	SW, NE, E, N, S	3.0-8.0
July 23	0.00-16.00	Zero	S, W, SW and NW	2.5-8.0
	16.00-16.30	Trace	SE	7.0
	16.30-17.30	Zero		
	17.30-18.30	Trace		
	18.30-24.00	Zero	SW	8.0
July 24	0.00- 8.00	Zero	SW	10.0
50	8.00- 8.30	0.02		
	8.30- 9.00	0.03		
	9.00- 9.30	0.02		
	9.30-14.15	Zero	SW	10.0
	14.15-14.30	0.10		
	14.30-14.45	Zero		
	14.45-15.00	0.03	SW	10.0
	15.00-15.15	Zero		

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	25	15.15-15.30	0.11		
		15.30-17.30	Trace		
		17.30-24.00	Zero	NW	10.0
		0.00-24.00	Zero	NW, N, NE, NW	5.5-10.0
	26	0.00- 3.30	Zero	NW	4.5
		3.30- 4.00	Trace	W	5.0
		4.00- 6.00	Zero		
		6.00- 6.30	0.04	W	6.0
		6.30- 7.00	0.05		
		7.00- 7.30	Zero		
20	27	7.30- 8.00	Trace	NW	7.3
		8.00-24.00	Zero	NW, SW	7.3-3.0
		0.00- 5.00	Zero	S	2.0
		5.00- 6.00	0.03		
		6.00- 7.00	Trace		
		7.00- 7.30	0.05	S	2.0
		7.30- 8.00	0.03		
		8.00-11.30	Trace	S, NW	2.0-5.0
	28	11.30-24.00	Zero	NW, N, NE, E, S	3.5-10.0
		0.00- 2.00	Zero	S	5.0
30		2.00- 3.00	0.02		
		3.00- 3.30	0.02		
		3.30- 4.00	0.05		
		4.00- 4.30	0.05	S	5.0
		4.30- 5.00	0.03		
		5.00- 6.00	Trace		
		6.00-24.00	Zero	S, SW, NE, S	3.5-9.0
	29	0.00- 7.00	Zero	S, SW	3.5-5.0
		7.00- 7.30	0.05		
		7.30- 8.00	Trace	SW	5.0
40		8.00- 8.30	Trace		
		8.30- 9.00	0.03		
		9.00- 9.30	0.03		
		9.30-10.00	0.05		
		10.00-10.30	0.06		
		10.30-11.00	0.06	W	6.0
		11.00-11.30	Trace		
		11.30-12.00	0.05		
		12.00-12.30	0.04		
		12.30-13.00	0.03		
50	30	13.00-24.00	Zero	N, SW, NE, E, N, S	3.0-10.0
	Aug. 30	0.00-24.00	Zero	S, NE, E, NE	2.0-11.0
	31	0.00-24.00	Zero	NE, E, NE	3.5-11.0
	1	0.00-24.00	Zero	E, NE, E	3.0-9.5
	2	0.00-24.00	Zero	E, NE, SE, NE	11.0-2.0
	3	0.00- 9.30	Zero	NE	4.0
		9.30-10.00	0.05		
		10.00-10.30	Trace		
		10.30-11.00	0.04		
		11.00-12.45	Zero	NE	4.0
	12.45-13.00	0.07			
	13.00-24.00	Zero	NE, E	4.0	

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EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	4	0.00- 8.30	Zero	No Record		
		8.30- 9.00	Trace	SW	8.0	
		9.00-10.30	0.02			
		10.30-11.30	Trace			
	10	11.30-24.00	Zero	NW, SW, N, S	8.5-2.0	
Aug.		5	0.00- 7.30	S, SW	2.0	
	5	7.30- 9.00	Trace	SW	2.0	
		9.00-24.00	Zero	SW, N, W, N	2.0-6.0	
	6	0.00- 7.10	Zero	N, Calm	2.0-0.0	
		7.10-11.45	Power Off	NE	6.5	
	7	11.45-24.00	Zero	NE, E, S, Calm	6.5-0.0	
		0.00- 8.20	Zero	Calm, S	0.0-2.5	
	20	8.20- 8.30	0.14	S	2.5	
		8.30- 9.00	Trace			
		9.00-10.00	Zero	NW	5.5	
		10.00-10.30	Trace			
	8	10.30-11.00	Trace			
		11.00-24.00	Zero	NW, N, SW	5.5-2.0	
	9	0.00-24.00	Zero	S, N, SW	3.0-6.5	
	10	0.00-24.00	Zero	S, SW	4.0-7.5	
	30	0.00-24.00	Zero	SW, NW, S, SW, W, NW	6.0-18.0	
		11	0.00-24.00	Zero	NW, N, W, NW, NE, S,	
		12	0.00- 7.00	Zero	NE	13.0-2.5
			7.00- 8.30	Trace	E	5.5
	13	8.30-10.00	Zero		5.0	
		10.00-11.00	Trace			
		11.00-24.00	Zero	N, NE, S	5.0-3.0	
		0.00- 5.30	Zero	S	3.0	
	40	5.30- 6.00	Trace			
		6.00- 6.30	Zero			
		6.30- 8.00	Trace	S	3.0	
		8.00- 8.30	0.03			
	50	8.30- 9.00	0.08	S	3.0	
		9.00- 9.30	0.07			
		9.30-10.00	0.05	NE	8.0	
		10.00-10.30	0.02			
	14	10.30-12.30	Trace			
		12.30-24.00	Zero	NE, NW, SW	8.0-3.0	
		0.00- 4.30	Zero	S, SW	3.5	
		4.30- 6.00	Trace	SW	4.0	
	50	6.00- 7.00	Zero	SW	4.0	
		7.00- 7.30	Zero			
		7.30- 9.00	Trace			
		9.00-23.50	Zero	NE, E, SE	6.0-7.0	
		23.50-24.00	0.13			

EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	15 0.00- 0.30	0.24	S	6.0	
	0.30- 0.40	0.69			
	0.40- 0.50	0.22			
	0.50- 1.00	0.17	S	6.0	
	1.00- 1.30	0.05			
	1.30- 2.00	0.04			
	2.00- 2.30	0.03			
	2.30- 3.00	Trace	S	6.0	
	3.00- 5.00	Trace			
	5.00-24.00	Zero	S, SW, S, SW	5.5	
16 0.00-24.00	Zero	SW	7.5	20	
17 0.00-24.00	Zero	SW, E, S, NW, S	3.0-16.0		
18 0.00- 9.30	Zero	S, E	2.0- 8.5		
9.30-10.30	Trace	E	8.5		
10.30-24.00	Zero	NE, E, SE	12.0-8.0		
19 0.00- 8.15	Zero	S, SW	8.0-13.0		
Aug. 19 8.15- 8.45	Trace	SW	13.0		
8.45- 9.15	0.02				
9.15- 9.45	0.05				
9.45-10.15	0.02	NW	11.0		
10.15-12.15	Zero			30	
12.15-12.45	Trace				
12.45-13.45	0.02	W	12.0		
13.45-24.00	Zero				
20 0.00- 8.00	Zero	W	10.0		
8.00- 9.30	Trace				
9.30-10.00	Zero				
10.00-10.30	0.02				
10.30-12.00	0.02				
12.00-12.30	Zero				
12.30-13.30	0.03			40	
13.30-14.30	Trace				
14.30-15.00	Zero				
15.00-16.00	Trace				
16.00-24.00	Zero				
21 0.00-24.00	Zero	S, SW, NW	2.5-6.0		
22 0.00-24.00	Zero	NE, NW	7.0-10.0		
23 0.00-24.00	Zero	N, NE, NW	5.5-8.5		
24 0.00- 5.00	Zero	N, SW	4.0		
5.00- 7.00	Trace	W	5.0		
7.00-24.00	Zero	W, N, NE, NW, SW	8.0-2.0		
25 0.00-24.00	Zero	SW, NE, NW	3.5-7.0		
26 0.00- 8.00	Zero	SW	3.0	50	
8.00-10.00	Trace	NW, SW	6.0-3.0		
10.00-24.00	Zero	NW, NE, SW	6.0-2.0		
27 0.00- 3.00	Zero	SW	3.0		
3.00- 4.30	Trace				
4.30- 5.00	0.03				

## EXHIBIT NO. 143 (Continued)

*In the  
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Continued*

N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	5.00- 5.30	0.02		
	5.30- 6.00	0.06		
	6.00- 6.30	0.03		
	6.30- 7.00	0.08		
	7.00- 7.30	0.02		
	7.30- 8.00	0.09		
	8.00- 8.30	0.08		
	8.30- 9.00	0.06	NW	6.0
	9.00-10.00	0.03		
	10.00-11.00	Trace		
	11.00-16.30	Zero	NW, N	6.0-7.0
	16.30-24.00	Zero	N, SW, S	7.0-4.0
20	28	0.00- 6.00	S, SW	4.0-9.0
	6.00- 7.30	Trace	SW	9.0
	7.30- 8.30	0.02		
	8.30- 9.00	0.03		
	9.00- 9.30	0.02		
	9.30-10.00	0.03		
	10.00-10.30	0.02		
	10.30-11.00	0.05		
	11.00-11.30	0.04		
	11.30-12.00	0.04		
30		12.00-12.30		
	12.30-13.00	0.05		
	13.00-14.00	0.04		
	14.00-14.30	0.03		
	14.30-15.00	0.05		
	15.00-15.30	0.04	SW	9.0
Aug. 28	15.30-16.00	0.10		
	16.00-16.30	0.04		
	16.30-17.00	0.03	NW	5.0
	17.00-18.00	0.02		
40		18.00-19.00		
	19.00-24.00	Zero	NW, SW, W	5.0-4.0
Aug. 29	0.00-24.00	Zero	W, N, NW, NE, SW	13.0-3.0
Aug. 30	0.00- 8.45	Zero	W, SW	3.5-4.0
	8.45- 9.15	0.04	SW	4.0
	9.15- 9.45	0.02		
	9.45-10.15	0.05		
	10.15-24.00	Zero	NW, SW	7.0-5.5
Aug. 31	0.00- 4.00	Zero	SW, S	3.0-4.0
	4.00- 6.00	Trace	S	4.0
	6.00- 7.00	Zero	SW	11.0
50		7.00- 8.00		
	8.00- 8.30	Zero		
	8.30-10.00	Trace		
	10.00-24.00	Zero		
Sept. 1	0.00-24.00	Zero	SW, NE	14.0-6.0
Sept. 2	0.00-24.00	Zero	N, NW, NE	5.5-3.0

EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143. Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Sept. 3 0.00— 0.30	Zero	NE	2.0	
	0.30— 1.00	0.04			
	1.00— 2.00	0.02			
	2.00— 3.00	Zero			
	3.00— 4.00	0.02			
	4.00— 4.30	Zero			
	4.30— 5.00	Trace			
	5.00— 6.00	Trace			
	6.00— 6.30	0.05			
	6.30— 7.00	0.04			
20	7.00— 8.00	0.04			
	8.00— 8.30	0.02			
	8.30— 9.00	0.03			
	9.00—20.00	Zero	N, W, S	9.0—3.0	
	20.00—20.30	0.05	S	3.0	
	20.30—21.30	Trace			
	21.30—24.00	Zero	S, E	3.0	
30	Sept. 4 0.00— 1.00	Zero	E	3.0	
	1.00— 1.30	Trace			
	1.30— 3.00	Zero			
	3.00— 3.30	0.02	SE	3.0	
	3.30— 4.00	0.06			
	4.00— 4.30	0.05			
	4.30— 5.00	0.04			
	5.00— 5.30	0.06	SW	2.5	
	5.30— 6.00	0.09			
	6.00— 6.30	0.09			
	6.30— 7.00	0.06			
	7.00— 7.30	0.08			
	7.30— 8.00	0.08			
	8.00— 8.30	0.08			
40	8.30— 9.00	0.06			
	9.00— 9.30	0.05			
	9.30—10.00	0.08			
	10.00—10.30	0.07			
	10.30—11.00	0.10			
	11.00—11.30	0.09	E	7.0	
	11.30—12.00	0.04			
	12.00—13.30	0.02			
	13.30—23.30	Zero	NE, E	14.0—8.0	
	23.30—24.00	0.02	E	8.0	
50	Sept. 5 0.00— 0.30	0.11	S	6.0	
	0.30— 1.00	0.13			
	1.00— 1.30	0.16			
	1.30— 2.00	0.11			
	2.00— 2.30	0.08			
	2.30— 3.00	0.05			
	3.00— 3.30	0.04			
3.30— 4.00	0.04				

## EXHIBIT NO. 143 (Continued)

N. R. C. Automatic Recorder Station, St. Catharines

In the  
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Continued

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	Sept. 5	4.00— 5.00	Trace			
		5.00— 5.30	0.02			
		5.30— 6.00	0.04			
		6.00— 6.30	0.03			
		6.30— 7.00	Trace			
		7.00— 8.00	0.04			
		8.00— 8.30	0.03			
		8.30— 9.00	0.04			
		9.00— 9.30	0.03			
		9.30—10.00	0.04			
		10.00—10.30	0.04			
		10.30—11.00	0.06			
		11.00—11.30	0.04			
20			11.30—12.00	0.02		
			12.00—12.30	0.03		
			12.30—13.00	0.02		
			13.00—14.00	0.02		
			14.00—15.00	0.04		
			15.00—15.30	0.06		
			15.30—16.00	0.05		
		16.00—17.00	0.02			
		17.00—17.30	0.02			
		17.30—18.00	0.03			
30		18.00—19.00	0.03			
		19.00—19.30	0.07			
		19.30—20.00	0.04			
		20.00—20.30	0.07			
		20.30—21.00	0.11			
		21.00—21.30	0.13			
		21.30—22.00	0.05			
		22.00—23.00	0.02			
		23.00—24.00	0.02			
40	Sept. 6	0.00— 2.00	Trace	SW	9.7	
		2.00— 3.00	0.02			
		3.00— 4.00	Trace			
		4.00— 5.30	Zero			
		5.30— 6.00	0.02			
		6.00— 7.00	Zero			
		7.00— 8.00	0.02			
		8.00— 8.30	0.02			
		8.30— 9.00	0.03			
		9.00—11.00	Zero			
50			11.00—12.00			Trace
			12.00—12.30			Zero
			12.30—13.00			0.03
			13.00—14.30			Trace
			14.30—16.30			0.02
			16.30—17.00			0.04
			17.00—18.00			0.03
			18.00—18.30			0.04



EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>	
10	Sept. 6	18.30—19.00	0.03				
		19.00—21.00	Trace	S	6.7		
		21.00—22.00	0.02				
		22.00—22.30	Zero	SW	8.0		
		22.30—23.00	0.02				
20	Sept. 7	23.00—23.30	Zero				
		23.30—24.00	0.02				
		0.00— 2.00	Zero				
		2.00— 3.00	Trace				
		3.00— 4.30	Zero				
		4.30— 5.00	0.03				
		5.00— 5.30	Zero				
		5.30— 6.00	0.03				
		6.00— 7.00	0.03				
		7.00— 8.00	0.02				
		8.00— 8.30	Trace				
		8.30— 9.00	0.06				
		9.00—14.00	Zero	SW, NE	6.5—5.6		
		14.00—15.00	0.02	NE	5.6		
		15.00—24.00	Zero				
30	Sept. 8	0.00—24.00	Zero	NE, E	10.5—4.0		
	Sept. 9	0.00— 8.00	Zero	E	2.0		
		8.00— 9.30	Trace	E, SW	2.0—4.0		
	40	Sept. 9	9.30—10.00	0.02	SW	4.0	
			10.00—10.30	0.03			
			10.30—11.00	0.02			
			11.00—12.30	Trace			
			12.30—14.30	0.02	SW, SE	4.0	
			14.30—15.00	0.02	SE	4.0	
			15.00—16.00	0.03			
16.00—16.30			0.03				
50	Sept. 10	16.30—17.00	0.06	S	4.0		
		17.00—18.30	0.03				
		18.30—19.30	0.04				
		19.30—20.00	0.06				
		20.00—21.00	0.04				
		21.00—21.30	0.03				
		21.30—22.00	0.02				
		22.00—22.30	Trace				
		22.30—23.00	0.03				
		23.00—24.00	0.03				
		0.00— 0.30	Zero	SW	12.0		
		0.30— 1.00	0.04				
		1.00— 6.30	Zero				
6.30— 7.00	0.04						
7.00— 7.30	0.04						
7.30— 8.00	0.06						
8.00— 9.00	0.03						
9.00— 9.30	Zero						
9.30—10.00	0.02						
10.00—10.30	Trace						

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued*

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.		
	Sept. 10	10.30—11.00	0.03				
		11.00—11.30	Zero				
		11.30—12.00	0.03				
		12.00—12.30	Zero				
		12.30—13.00	0.04				
		13.00—13.30	0.04				
		13.30—14.00	0.03				
		14.00—14.30	Trace				
		14.30—15.00	0.05				
		15.00—16.00	0.02				
		16.00—16.30	0.02				
		16.30—24.00	Zero	SW, W	12.0—14.0		
20		Sept. 11	0.00— 5.45	Zero	W	13.0	
			5.45— 6.15	0.02			
			6.15— 6.45	0.06			
			6.45— 8.15	Zero			
	8.15— 8.45		0.04				
	8.45— 9.15		0.08				
	9.15— 9.45		0.18				
	9.45—10.15		0.10				
	10.15—10.45		0.11	W, NW	13.0—8.0		
	10.45—11.15		0.06				
30		11.15—11.45	0.04				
		11.45—12.15	0.04				
		12.15—12.45	Trace				
		12.45—13.15	Trace				
		13.15—24.00	Zero	NW, N, NE	8.0—11.5		
		Sept. 12	0.00— 0.30	Zero	NE	12.0	
			0.30— 1.00	0.02			
			1.00— 1.30	0.03			
1.30— 2.00	Trace						
40		2.00— 2.30	0.02				
		2.30— 6.00	Zero				
		6.00— 6.30	0.02				
		6.30— 7.30	Trace				
		7.30—24.00	Zero	NE, E	12.0—9.0		
		Sept. 13	0.00— 1.00	Trace	S, E	4.0—7.0	
			1.00— 2.30	0.02			
		50		2.30— 4.00	0.02	SE, E	4.0—7.0
				4.00— 4.30	0.03		
				4.30— 5.00	0.04		
5.00— 5.30	0.06						
5.30— 6.00	0.07						
6.00— 7.00	0.04						
7.00— 8.00	0.05						
8.00— 8.30	0.08						
8.30— 9.00	0.05						
9.00—10.30	0.02						
	10.30—12.00	Trace					
	12.00—23.45	Zero	E, NE, SE	15.5—6.5			

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Sept. 14 23.45— 0.15	0.04	SE	6.5—2.5	
	0.15— 0.45	0.04			
	0.45— 1.15	0.03			
	1.15— 1.45	0.16			
	1.45— 2.15	0.03			
	2.15— 4.15	0.02	SE, W	2.5—1.0	
	4.15— 4.45	0.05	W	1.0	
	4.45— 5.15	0.02			
	5.15— 6.15	0.03			
	6.15— 7.15	0.02			
20	7.15— 8.15	0.03			
	8.15— 8.45	0.04			
	8.45— 9.15	0.06			
	9.15— 9.45	0.12			
	9.45—10.15	0.10	W, NE	1.0—8.0	
	10.15—10.45	0.09			
	10.45—11.15	0.09			
	11.15—11.45	0.07			
	11.45—12.15	0.07			
	12.15—12.45	0.05			
30	12.45—13.15	0.04			
	13.15—13.45	0.04			
	13.45—14.15	0.07			
	14.15—15.15	0.03			
	15.15—23.00	Zero	NE, E	8.0—4.0	
	23.00—24.00	Trace	E	4.0	
	Sept. 15 0.00— 1.30	Zero	E	1.0	
	1.30— 2.30	0.03			
	2.30— 3.00	0.03			
	3.00— 5.00	Trace			
40	5.00— 5.30	0.02			
	5.30— 6.00	Trace			
	6.00— 9.30	Zero			
	9.30—10.00	0.03			
	10.00—11.00	0.02			
	11.00—13.30	Trace	SW, NW	2.0—5.0	
	13.30—24.00	Zero	NE, N, NE, SW, S	5.0—2.5	
	Sept. 16 0.00— 8.15	Zero	S	2.0	
	8.15— 9.45	Trace	S, SW	2.0—5.0	
	9.45—10.15	0.03	SW	5.0	
50	10.15—10.45	0.05	SW, W	5.0—6.4	
	10.45—11.15	0.04	W	6.4	
	11.15—11.45	0.06			
	11.45—12.15	0.05			
	12.15—24.00	Zero	W, NW, N, SW	6.4—4.0	
	Sept. 17 0.00— 3.30	Zero	SW, S	2.0—2.5	
	3.30— 4.00	0.02	S	2.5	
	4.00— 4.30	0.04			
	4.30— 5.00	0.06			
	5.00— 5.30	0.04			
5.30— 6.00	0.03				

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 143  
 Daily Com-  
 putations of  
 Sulphur  
 Dioxide  
 and wind  
 readings  
 2nd May,  
 1946 to 31st  
 Oct., 1946  
 Continued

EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	Sept. 17	6.00— 8.00	Zero			
		8.00— 8.30	0.03	SW	3.0	
		8.30— 9.00	0.04			
		9.00— 9.30	0.06			
		9.30—11.00	0.03	N	4.0	
		11.00—12.30	0.02			
		12.30—24.00	Zero	N, NW	4.0—2.0	
		Sept. 18	0.00— 3.45	Zero	NW	3.0
			3.45— 4.15	0.04		
			4.15— 4.45	0.03		
	4.45— 5.15		0.05	NW, SW	3.0—2.5	
	5.15— 6.15		Zero			
	6.15— 6.45		0.02			
20	7.15— 7.45		0.04			
	7.45— 8.15		0.03			
	8.15— 8.45		0.07	SW, W	2.5	
	8.45— 9.15		0.04			
	9.15—11.15	0.04				
	11.15—11.45	0.04				
	11.45—12.15	0.05				
	12.15—12.45	0.07				
	12.45—13.15	0.05				
30	13.15—17.15	0.03	N, NE	5.0—3.5		
	17.15—24.00	Zero	NE	3.5		
	Sept. 19	0.00— 4.30	Zero	NE, NW	2.0	
		4.30— 5.00	0.03	NW	2.0	
		5.00— 5.30	Zero			
		5.30— 6.00	0.04			
		6.00— 6.30	0.03			
		6.30— 7.00	0.05			
		7.00— 7.30	0.05	NW	2.0	
		7.30— 8.00	0.11			
40		8.00— 8.30	0.05			
		8.30— 9.00	0.04			
	9.00— 9.30	0.04				
	9.30—10.00	0.05				
	10.00—11.00	0.05				
	11.00—11.30	0.03				
	11.30—12.00	0.06				
	12.00—12.30	0.08	NE	7.0		
	12.30—13.00	0.05				
	13.00—13.30	0.06				
50	13.30—14.30	0.04				
	14.30—15.30	0.03				
	15.30—16.00	0.05				
	16.00—16.30	0.04	E	6.0		
	16.30—17.00	0.09				
	17.00—17.30	0.04				
	17.30—18.30	0.03				

EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
	Sept. 19	18.30—19.00	0.04			
		19.00—19.30	0.06			
		19.30—20.00	0.03			
10		20.00—20.30	0.07			
		20.30—21.00	0.04	SE	6.0	
		21.00—21.30	0.06			
		21.30—22.00	0.08			
		22.00—22.30	0.10			
		22.30—23.00	0.08			
		23.00—23.30	0.10			
		23.30—24.00	0.02			
	Sept. 20	0.00— 0.30	0.05	W	1.0	
		0.30— 2.15	Zero			
20		2.15— 2.45	0.04	W, S	1.0—5.0	
		2.45— 3.15	0.06			
		3.15— 4.15	Zero			
		4.15— 4.45	0.02			
		4.45— 5.15	0.07			
		5.15— 5.45	0.05			
		5.45— 6.15	0.08			
		6.15— 6.45	0.04			
		6.45— 7.15	0.07			
		7.15— 7.45	0.11			
30		7.45— 8.15	0.07			
		8.15— 8.45	0.06	S, SW	5.0—6.0	
		8.45— 9.15	0.05			
		9.15— 9.45	0.03			
		9.45—10.45	Zero			
		10.45—11.15	Zero			
		11.15—11.45	0.02			
		11.45—24.00	Zero	SW, S, E	6.0—3.0	
	Sept. 21	0.00— 6.00	Zero	SW, S	6.0—3.0	
		6.00— 7.00	0.04	SE	4.0	
40		7.00— 8.00	Zero			
		8.00— 9.00	0.04	SW, S	4.0	
		9.00—10.00	Zero	S	4.0	
		10.00—10.30	No Record			
		10.30—24.00	Zero	S, SW, N	4.0—3.0	
	Sept. 22	0.00—24.00	Zero	SW, S, N, W, NW, E	1.5—6.0	
	Sept. 23	0.00— 8.00	Zero	S	9.0	
		8.00—19.30	Zero	S	10.0	
		19.30—19.55	Zero			
		19.55—20.00	0.40			
50		20.00—22.45	Zero			
		22.45—23.00	0.13			
		23.00—23.15	0.38			
		23.15—23.30	0.08			
		23.30—24.00	Zero			
	Sept. 24	0.00—24.00	Zero	SW, W, NW	7.0—10.0	
	Sept. 25	0.00—24.00	Zero	SW, W, NW, S	10.0—3.0	

## EXHIBIT NO. 143 (Continued)

N. R. C. Automatic Recorder Station, St. Catharines

<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Sept. 26	0.00—24.00	Zero	SW, S, W	3.0—9.0
	Sept. 27	0.00—24.00	Zero	NW, SW, NE, E	10.0—6.0
	Sept. 28	0.00—24.00	Zero	S, SW	3.0—6.5
	Sept. 29	0.00—24.00	Zero	SW, NW	7.0—10.0
	Sept. 30	0.00—24.00	Zero	N, NE, NW	15.0—20.0
	Oct. 1	0.00—24.00	Zero	N, NW	20.0—7.0
	Oct. 2	0.00—14.30	Zero	SW, NW	12.0—6.0
		14.30—15.00	0.02	NW	12.0
		15.00—24.00	Zero	NW, SW	12.0—4.5
	Oct. 3	0.00— 8.15	Zero	SW, S	3.0—5.0
		8.15— 8.45	0.02	SW	5.0
		8.45— 9.15	Zero		
		9.15— 9.45	0.02		
20		9.45—11.15	Zero		
		11.15—11.45	0.02		
		11.45—12.15	0.01		
		12.15—12.45	Zero		
		12.45—13.45	0.02		
		13.45—14.15	Zero		
		14.15—15.45	0.02		
		15.45—24.00	Zero	SW, S	5.0—3.0
	Oct. 4	0.00— 2.30	Zero	S	4.0
		2.30— 3.00	0.01		
30		3.00— 4.00	0.02		
		4.00— 4.30	Trace		
		4.30— 5.30	0.02		
		5.30— 7.00	0.02		
		7.00— 7.30	0.01		
		7.30— 9.30	Zero	SW	6.0
		9.30—10.30	0.01		
		10.30—11.30	Zero		
		11.30—13.00	0.02		
		13.00—16.00	Zero		
40		16.00—16.30	0.01		
		16.30—17.00	0.02	S	4.0
		17.00—19.00	Zero		
		19.00—19.30	0.01		
		19.30—20.00	0.04		
		20.00—20.30	0.03		
		20.30—21.00	0.05		
		21.00—21.30	0.07		
		21.30—22.00	0.06		
		22.00—22.30	0.09		
50		22.30—23.00	0.08		
		23.00—24.00	0.07		
	Oct. 5	0.00— 0.30	0.02	S	3.0
		0.30— 1.00	0.08		
		1.00— 1.30	0.03		
		1.30— 2.00	0.04		
		2.00— 3.00	Trace		
		3.00— 6.30	Zero		
		6.30— 7.00	0.02		

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Oct. 5	7.00— 7.30	0.06			
		7.30— 8.00	0.08			
		8.00— 8.30	0.05			
		8.30— 9.00	0.09			
		9.00— 9.30	0.03			
		9.30—10.00	0.04			
		10.00—11.00	0.04			
		11.00—11.30	0.03			
		11.30—12.00	0.05		NE	5.0
		12.00—12.30	0.02			
20		12.30—13.00	Zero			
		13.00—14.00	Trace			
		14.00—14.30	0.02			
		14.30—15.30	0.02			
		15.30—16.00	0.06		SE	3.0
		16.00—18.30	Zero			
		18.30—19.00	0.03			
		19.00—19.30	0.03			
		19.30—19.45	Zero			
		19.45—20.00	0.17			
30	Oct. 6	20.00—20.30	0.02			
		20.30—24.00	Zero	SE, SW	3.0—2.5	
		0.00— 8.30	Zero	W, S	2.0	
		8.30— 9.00	0.02	S	2.0	
		9.00—10.00	0.02	S, SW	2.0—4.0	
		10.00—11.30	0.03	SW	4.0	
		11.30—12.00	0.02			
		12.00—12.30	Zero			
		12.30—14.00	0.03	SW, N	4.0—3.0	
		14.00—14.30	Zero			
40		14.30—15.00	0.02			
		15.00—15.30	Zero			
		15.30—16.00	0.02	S	3.0	
		16.00—17.00	Zero			
		17.00—17.30	0.03			
		17.30—17.55	Zero			
		17.55—18.00	0.21			
		18.00—18.30	0.04			
		18.30—19.00	0.04			
		19.00—19.30	0.06			
50	Oct. 7	19.30—20.00	0.06			
		20.00—21.00	0.05			
		21.00—22.00	0.02			
		22.00—24.00	Zero			
		0.00— 1.00	Zero	S	3.5	
		1.00— 2.00	Trace			
		2.00— 8.30	Zero	S, SW	3.5—4.0	
		8.30— 9.00	0.02	SW	4.0	
		9.00— 9.30	0.02			
		9.30—10.00	0.03			

## EXHIBIT NO. 143 (Continued)

N. R. C. Automatic Recorder Station, St. Catharines

In the  
Supreme  
Court of  
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Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued

Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
Oct. 8	10.00—10.30	0.05			
	10.30—11.00	0.03			
	11.00—11.30	0.02	N	7.0	
	11.30—24.00	Zero	N, W, NE	7.0—4.0	
	0.00— 4.30	Zero	NE	12.0	
	4.30— 6.30	Trace	NE, E	12.0—10.0	
	6.30— 8.00	Zero	E	10.0	
	8.00— 8.30	0.01			
	8.30— 9.00	Zero			
	9.00—10.30	0.02			
	10.30—11.00	0.01			
	11.00—11.30	0.02			
	11.30—13.30	Trace			
	13.30—24.00	Zero			
Oct. 9	0.00— 2.00	Zero	E	3.0	
	2.00— 4.00	Trace			
	4.00— 4.30	0.01			
	4.30— 5.00	0.02			
	5.00— 6.00	0.01			
	6.00— 6.30	Trace			
	6.30— 7.00	0.02			
	7.00— 8.00	0.02			
	8.00— 9.00	0.03			
	Oct. 30	9.00— 9.30	0.05		
		9.30—10.00	0.02		
		10.00—11.00	0.02	NW	3.0
		11.00—12.00	Trace		
		12.00—12.30	0.02		
12.30—13.00		0.04			
13.00—13.30		0.03	N	3.0	
13.30—14.00		0.02			
14.00—14.30		0.02			
14.30—15.00		0.03	E	3.0	
Oct. 40		15.00—15.30	0.04		
		15.30—16.00	0.07		
		16.00—16.30	0.07		
		16.30—17.00	0.04		
	17.00—17.30	0.05			
	17.30—18.00	0.04			
	18.00—18.30	0.06			
	18.30—19.00	0.05			
	19.00—19.30	0.10			
	Oct. 50	19.30—20.00	0.13	SE	3.0
		20.00—20.30	0.14		
		20.30—21.00	0.10		
		21.00—21.30	0.06		
		21.30—22.00	0.06		
22.00—22.30		0.08			
22.30—23.00		0.04			
23.00—23.30		0.02			
23.30—24.00		0.01			



EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Oct. 10	0.00— 1.00	Trace	S	2.0	
		1.00— 4.30	Zero			
		4.30— 5.00	0.03			
		5.00— 5.30	0.01			
		5.30— 6.30	Zero			
		6.30— 7.00	0.02			
		7.00— 7.30	0.07			
		7.30— 8.00	0.08			
		8.00— 8.30	0.02	SW	3.0	
		8.30— 9.00	0.02			
20		9.00—10.00	0.03			
		10.00—10.30	0.04	NE	6.0	
		10.30—11.00	0.04	NE	6.0	
		11.00—11.30	Trace			
		11.30—12.30	0.03			
		12.30—13.00	Trace			
		13.00—13.30	0.02			
		13.30—14.00	0.01			
		14.00—14.30	0.04			
		14.30—15.00	0.01			
30		15.00—16.00	0.02			
		16.00—17.00	Zero	NE, E	6.0—4.0	
		17.00—18.00	Trace	E	4.0	
		18.00—19.00	0.02			
		19.00—21.00	0.02			
		21.00—21.30	0.03			
		21.30—22.00	0.05	S	4.0	
		22.00—22.30	0.06			
		22.30—23.00	0.05			
		23.00—23.30	0.04			
40	Oct. 11	23.30—24.00	0.03			
		0.00— 1.30	Trace	S	7.5	
		1.30— 8.00	Zero			
		8.00— 8.30	0.03	SW	9.5	
		8.30— 9.30	Zero			
		9.30—10.30	0.02			
		10.30—11.00	Zero			
		11.00—11.30	0.10			
		11.30—12.00	0.01			
		12.00—12.30	0.03			
50		12.30—13.00	0.10			
		13.00—13.30	0.15			
		13.30—14.00	0.20			
		14.00—14.30	0.16			
		14.30—15.00	0.12			
		15.00—15.15	Zero			
		15.15—15.30	0.20			
		15.30—16.00	0.20			
		16.00—16.30	0.21			
		16.30—17.00	0.05			
17.00—18.00	Zero	S	8.0			

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

In the  
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Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 11	18.00—18.30	0.06		
		18.30—19.00	0.12		
		19.00—19.30	Zero		
		19.30—20.00	0.02	SW	10.0
		20.00—20.30	Zero		
		20.30—21.00	0.09		
		21.00—21.30	0.13		
		21.30—24.00	Zero	SW, NW	10.0—7.0
	Oct. 12	0.00—24.00	Zero	W, N, NW	6.0—10.0
	Oct. 13	0.00— 4.00	Zero	W	7.0
		4.00— 5.00	Trace	W, SW	7.0—6.5
		5.00—23.30	Zero	W, SW	4.0—10.0
		23.30—24.00	Trace	SW	4.0
20	Oct. 14	0.00— 1.00	Trace	SW	3.0
		1.00— 1.30	0.06		
		1.30— 2.00	0.10		
		2.00— 2.30	0.13	S	4.5
		2.30— 3.00	0.05		
		3.00— 3.30	0.17		
		3.30— 4.00	0.10		
		4.00— 4.30	0.24		
		4.30— 5.00	0.06		
		5.00— 5.30	0.02		
30		5.30— 8.30	Trace	S	4.5
		8.30— 9.00	0.02		
		9.00—10.30	Trace		
		10.30—11.00	0.02		
		11.00—20.00	Zero		
		20.00—20.30	0.02		
		20.30—21.00	0.02		
		21.00—21.30	0.07		
		21.30—22.00	0.06		
40		22.00—22.30	0.08		
		22.30—23.00	0.06		
		23.00—23.30	0.02		
		23.30—24.00	0.04		
	Oct. 15	0.00— 0.30	Trace	S	3.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.03		
		1.30— 2.30	0.02		
		2.30— 3.00	0.03		
		3.00— 3.30	0.07		
50		3.30— 4.00	0.07		
		4.00— 5.00	0.05		
		5.00— 5.30	0.03		
		5.30— 6.00	0.06		
		6.00— 6.30	0.05		
		6.30— 7.00	0.04		
		7.00— 7.30	0.04		
		7.30— 8.00	0.09		

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>	
Oct. 15	8.00— 8.30	0.11				
	8.30— 9.00	0.12				
	9.00—10.00	0.03				
	10.00—10.30	0.02	SW	9.0		
	10.30—11.00	0.02				
	11.00—11.30	0.05				
	11.30—12.00	0.05				
	12.00—12.30	0.05				
	12.30—13.00	0.04				
	13.00—13.30	0.02				
	13.30—14.00	0.03				
	14.00—14.30	0.01				
	14.30—15.00	0.03				
	15.00—16.00	0.02				
20	16.00—18.00	Zero	SW, S	9.0—6.0		
	18.00—18.30	0.03				
	18.30—19.00	Zero				
	19.00—19.30	0.01				
	19.30—20.00	0.02				
	20.00—20.30	0.03				
	20.30—21.00	0.03				
	21.00—21.30	0.07				
	21.30—22.00	0.05				
	22.00—22.30	0.09				
	30	22.30—23.00	0.06			
		23.00—23.30	0.05			
		23.30—24.00	0.03			
		Oct. 16	0.00— 0.30	0.02	S	6.0
0.30— 4.00	Zero					
4.00— 7.00	0.02	S, SW	6.0—13.0			
7.00— 7.30	0.03	SW	13.0			
7.30— 8.00	0.02					
8.00— 8.30	0.04					
40	8.30— 9.30	0.04				
	9.30—10.30	0.05				
	10.30—11.00	0.06				
	11.00—11.30	0.05				
	11.30—12.00	0.05				
	12.00—12.30	0.05				
	12.30—13.00	0.07				
	13.00—13.30	0.07				
	13.30—14.00	0.09				
	14.00—14.30	0.08				
	50	14.30—15.30	0.06			
		15.30—16.00	0.08			
		16.00—16.30	0.07			
		16.30—17.00	0.04			
17.00—18.30		0.02				
18.30—20.00		Zero	SW, NE	13.0—9.0		
20.00—21.00		0.02				
21.00—21.30		0.04				

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EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 16	21.30—22.00	Trace		
		22.00—22.30	0.05	N	8.0
		22.30—24.00	Zero		
	Oct. 17	0.00— 0.30	Trace	NE	5.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.04		
		1.30— 2.00	0.04		
		2.00— 2.30	0.05		
		2.30— 3.00	0.02		
		3.00— 7.30	Zero	NE, E	5.0—7.5
		7.30— 9.00	0.02	E	7.5
		9.00—19.00	Zero		
		19.00—20.00	0.02		
20		20.00—21.00	0.02		
		21.00—21.30	0.02		
		21.30—22.00	0.03		
		22.00—23.00	0.02		
		23.00—24.00	0.02		
	Oct. 18	0.00— 0.30	Trace	E	9.5
		0.30— 6.30	Zero		
		6.30— 7.30	Trace		
		7.30— 8.00	0.06		
		8.00— 8.30	0.05		
30		8.30— 9.00	0.07		
		9.00— 9.30	0.07		
		9.30—10.00	0.10		
		10.00—11.00	0.03	W	4.0
		11.00—11.30	0.02		
		11.30—12.00	0.04		
		12.00—12.30	Zero		
		12.30—13.00	0.03	N	13.0
		13.00—14.00	Trace		
		14.00—15.00	0.02		
40		15.00—15.30	0.03		
		15.30—16.00	0.02		
		16.00—21.30	Zero		
		21.30—22.00	0.02	W	6.0
		22.00—22.30	0.05		
		22.30—23.00	0.09		
		23.00—23.30	0.05		
		23.30—24.00	0.02		
	Oct. 19	0.00— 0.30	Trace	SW	4.5
		0.30— 4.00	Zero		
50		4.00— 4.30	0.02		
		4.30— 5.00	Trace		
		5.00— 9.30	Zero	SW, W	4.5—6.0
		9.30—10.30	Trace	W, NW	6.0—10.0
		10.30—11.00	0.02	NW	10.0
		11.00—11.30	0.01		
		11.30—12.00	0.02		

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>		
10	Oct. 19	12.00—17.00	Zero	NW, NE, E	10.0—5.0			
		17.00—18.00	0.01	E	5.0			
		18.00—19.00	0.01					
		19.00—19.30	0.02					
		19.30—20.00	0.04					
		20.00—20.30	0.02					
		20.30—21.00	0.04					
		21.00—21.30	0.02					
		21.30—22.30	0.01					
		22.30—23.00	0.05					
20	Oct. 20	23.00—23.30	0.14					
		23.30—24.00	0.20					
		0.00— 0.30	0.16	E	4.5			
		0.30— 1.00	0.08					
		1.00— 1.30	0.03					
		1.30— 2.00	0.05					
		2.00— 2.30	0.11					
		2.30— 3.00	0.13					
		3.00— 3.30	0.05					
		3.30— 4.00	0.04					
30		4.00— 4.30	0.08					
		4.30— 5.00	0.13					
		5.00— 5.30	0.05					
		5.30— 6.00	0.04					
		6.00— 6.30	0.11					
		6.30— 7.00	0.10					
		7.00— 7.30	0.08					
		7.30— 8.00	0.05					
		8.00— 8.30	0.05					
		8.30— 9.00	0.03					
40		9.00— 9.30	0.03					
		9.30—10.00	0.02					
		10.00—10.30	0.03					
		10.30—15.00	Zero	N, NE	4.5—10.0			
		15.00—15.30	0.03					
		15.30—18.00	Zero	NE, E	10.0—7.0			
		18.00—18.30	0.03	E	7.0			
		18.30—19.00	0.05					
		19.00—19.30	0.05					
		19.30—20.00	0.06	SE	1.0			
50		20.00—20.30	0.10					
		20.30—21.00	0.11					
		21.00—22.00	0.10					
		22.00—22.30	0.05					
		22.30—23.00	Zero					
		23.00—23.30	0.05					
		23.30—24.00	0.03					
		Oct. 21	0.00— 1.00	0.03	SE		2.5	
		1.00— 1.30	0.06					
		1.30— 2.00	0.04	S	3.5			

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EXHIBIT NO. 143 (Continued)  
 N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 21	2.00— 3.00	0.08		
		3.00— 3.30	0.21		
		3.30— 4.00	0.16		
		4.00— 4.30	0.19		
		4.30— 5.00	0.15		
		5.00— 5.30	0.10		
		5.30— 6.00	0.13		
		6.00— 6.30	0.16	S	3.5
		6.30— 7.00	0.14		
		7.00— 7.30	0.08		
		7.30— 8.00	0.13		
		8.00— 8.30	0.09		
		8.30— 9.00	0.04		
20		9.00— 9.30	0.05		
	9.30—10.00	0.02	SW	7.5	
	10.00—10.30	0.03			
	10.30—11.00	Trace			
	11.00—11.30	0.02			
	11.30—12.00	Zero			
	12.00—12.30	0.02			
	12.30—13.30	0.03			
	13.30—14.00	0.02			
	14.00—15.30	0.02			
30	15.30—18.30	Zero	SW, S	7.5—4.5	
	18.30—19.30	Trace			
	19.30—21.00	Zero			
	21.00—21.30	0.02			
	21.30—22.00	0.03			
	22.00—22.30	0.04			
	22.30—23.00	0.03			
	23.00—23.30	0.02			
	23.30—24.00	0.01			
40	Oct. 22	0.00— 1.00	0.02	S	5.5
		1.00— 2.00	0.03		
		2.00— 3.00	0.03		
		3.00— 4.00	0.04		
		4.00— 5.00	0.04		
		5.00— 5.30	0.07		
		5.30— 6.00	0.06		
		6.00— 7.00	0.03		
		7.00— 8.00	0.07		
		8.00— 8.30	0.06		
		8.30— 9.00	0.04		
50		9.00—10.00	0.03		
		10.00—10.30	0.04		
		10.30—11.00	0.05		
	11.00—12.00	0.05	SW	6.0	
	12.00—12.30	0.07			
	12.30—13.00	0.06			

EXHIBIT NO. 143 (Continued)  
N.R.C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Oct. 22 13.00—13.30	0.06			
	13.30—14.30	0.04			
	14.30—17.00	0.03	SW, S	6.0—4.5	
	17.00—18.30	0.04			
	18.30—19.00	0.09			
	19.00—19.30	0.08			
	19.30—20.00	0.05			
	20.00—20.30	0.03			
	20.30—21.00	0.09			
	21.00—21.30	0.07			
20	21.30—22.00	0.12			
	22.00—22.30	0.08			
	22.30—23.00	0.05			
	23.00—24.00	0.04			
	Oct. 23 0.00— 0.30	0.04	SW	4.0	
	0.30— 1.00	0.05			
	1.00— 3.30	0.03			
	3.30— 4.30	0.02			
	4.30— 5.30	0.04	SW	4.0	
	5.30— 6.00	0.07			
30	6.00— 6.30	0.08			
	6.30— 7.00	0.08			
	7.00— 7.30	0.04			
	7.30— 8.00	0.05			
	8.00— 9.00	0.08			
	9.00— 9.30	0.06			
	9.30—10.30	0.04			
	10.30—11.00	0.05			
	11.00—13.00	0.04			
	13.00—13.30	0.07			
40	13.30—15.30	0.05			
	15.30—16.00	0.03			
	16.00—16.30	0.04			
	16.30—17.00	0.03			
	17.00—18.00	Zero			
	18.00—18.30	0.01			
	18.30—19.00	0.04			
	19.00—24.00	Zero			
	Oct. 24 0.00— 2.30	Zero	SW	5.5	
	2.30— 3.30	0.05			
50	3.30— 4.00	0.06			
	4.00— 4.30	0.09			
	4.30— 5.00	0.08			
	5.00— 6.00	0.06			
	6.00— 6.30	0.10			
	6.30— 7.00	0.08			
	7.00— 7.30	0.04			
	7.30— 8.00	0.02			
	8.00— 8.30	0.04			
	8.30— 9.00	0.03			

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

*In the  
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	Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 24	9.00—10.00	0.04		
		10.00—10.30	0.05		
		10.30—11.00	0.03		
		11.00—12.00	0.04		
		12.00—13.00	0.03		
		13.00—13.30	0.02		
		13.30—14.00	0.06		
		14.00—15.00	0.04		
		15.00—16.00	0.03		
		16.00—16.30	Trace	S	8.5
		16.30—17.00	0.02		
		17.00—18.00	0.04		
		18.00—18.30	0.09		
20		18.30—19.00	0.08		
		19.00—19.30	0.10		
		19.30—20.00	0.05		
		20.00—20.30	0.06		
		20.30—21.00	0.04		
		21.00—21.30	0.02		
		21.30—22.00	0.03		
	22.00—24.00	Zero	SW	8.7	
	Oct. 25	0.00— 3.00	Zero		
		3.00— 4.00	Trace		
30		4.00— 5.30	Zero		
		5.30— 6.00	0.03		
		6.00— 8.00	Zero		
		8.00— 9.00	Trace		
		9.00—10.00	Trace		
		10.00—11.00	0.02		
		11.00—11.30	0.04	SW	8.7
		11.30—12.00	0.03		
	12.00—12.30	0.04			
	12.30—13.00	0.02			
40	13.00—13.30	0.05			
	13.30—24.00	Zero			
	Oct. 26	0.00— 7.00	Zero	S, SW	3.5—7.0
		7.00— 8.30	Trace.	SW	7.0
		8.00—19.30	Zero		
		19.30—20.30	0.02		
	Oct. 27	20.30—24.00	Zero		
		0.00— 1.00	Zero	SW	5.0
		1.00— 2.30	0.02		
50		2.30— 3.00	Zero		
		3.00— 3.30	0.02	S	4.0
		3.30— 4.00	0.01		
		4.00— 4.30	0.02		
		4.30— 5.30	Zero		
		5.30— 6.00	Trace		
	6.00— 9.00	0.02			
	9.00—10.00	0.02	SW	4.0	



EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

Date 1946	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 143 Daily Com- putations of Sulphur Dioxide and wind readings 2nd May, 1946 to 31st Oct., 1946 Continued</i>
10	Oct. 27 10.00—10.30	0.01			
	10.30—12.30	0.02			
	12.30—14.00	0.03			
	14.00—14.30	0.02			
	14.30—15.00	0.03			
	15.00—17.30	0.02			
	17.30—18.00	0.06			
	18.00—18.30	0.09			
	18.30—19.00	0.14			
	19.00—19.30	0.05			
20	19.30—20.00	0.08			
	20.00—20.30	0.12			
	20.30—21.00	0.02			
	21.00—21.30	Zero			
	21.30—22.00	0.04			
	22.00—23.30	0.02			
	23.30—24.00	0.04			
	Oct. 28 0.00— 0.30	0.02	SW	4.0	
	0.30— 1.00	0.03			
	1.00— 4.30	Zero	SW, E	4.0—3.0	
30	4.30— 5.00	Trace	E	3.0	
	5.00— 6.00	0.02			
	6.00— 8.00	Zero			
	8.00— 8.30	Zero	E	3.0	
	8.30— 9.00	0.04			
	9.00— 9.30	0.01			
	9.30—10.00	0.03			
	10.00—10.30	0.06			
	10.30—11.00	0.07			
	11.00—11.30	0.06			
40	11.30—12.00	0.06	N	3.7	
	12.00—12.30	0.04			
	12.30—13.30	0.03			
	13.30—14.00	0.04			
	14.00—16.30	Zero			
	16.30—17.00	0.07			
	17.00—19.00	0.04	N-S	3.7—3.0	
	19.00—19.30	0.06			
	19.30—20.00	0.07			
	20.00—20.30	0.06			
50	20.30—21.00	0.04			
	21.00—22.30	0.04	SW	6.0	
	22.30—23.30	0.03			
	23.30—24.00	0.01			
	Oct. 29 0.00— 0.30	0.03	SW	9.0	
	0.30— 1.30	0.02			
	1.30— 2.00	Zero			
	2.00— 3.30	0.02			
	3.30— 4.00	Zero			

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 143  
Daily Com-  
putations of  
Sulphur  
Dioxide  
and wind  
readings  
2nd May,  
1946 to 31st  
Oct., 1946  
Continued

1503

EXHIBIT NO. 143 (Continued)  
N. R. C. Automatic Recorder Station, St. Catharines

	Date 1946	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 29	4.00— 5.00	0.03		
		5.00— 5.30	0.04		
		5.30— 6.00	0.03		
		6.00— 6.30	0.05		
		6.30— 7.30	0.05		
		7.30— 8.00	0.08		
		8.00—11.00	Zero		
		11.00—11.30	0.07		
		11.30—12.00	0.07		
		12.00—13.00	0.04		
		13.00—14.00	0.02		
		14.00—16.00	Zero		
		16.00—20.00	0.02		
20		20.00—24.00	Zero		
	Oct. 30	0.00— 8.00	Zero	SW	17.0
		8.00— 8.30	0.03		
		8.30— 9.00	0.04		
		9.00— 9.30	0.06		
		9.30—10.00	0.05		
		10.00—10.30	0.08		
		10.30—11.30	0.05		
		11.30—12.00	0.02		
		12.00—12.30	0.05		
30		12.30—13.00	0.06		
		13.00—14.00	0.05		
		14.00—14.30	0.05		
		14.30—15.00	0.06		
		15.00—15.30	0.13		
		15.30—16.00	0.21		
		16.00—16.30	0.11		
		16.30—17.00	0.03		
		17.00—18.00	0.04		
		18.00—19.00	0.03		
40		19.00—19.30	0.04		
		19.30—20.00	0.03	SW	17.0
		20.00—20.30	0.05		
		20.30—21.00	0.03		
		21.00—21.30	0.04		
		21.30—22.00	0.07		
		22.00—22.30	0.05		
		22.30—23.30	0.05		
		23.30—24.00	0.03		
50	Oct. 31	0.00— 0.30	0.02	SW	19.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.02		
		1.30— 8.00	Zero	SW—NW	19.0—11.0

EXHIBIT NO. 144

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
May 1	24:00								
2	13:30	10:30						Zero	24:00
3	3:10	19:20	1:30					0:02	24:00
4	14:15	1:15	8:30					0:03	24:00
5	24:00							Zero	24:00
6	8:00	12:00	1:30	2:30				0:06	24:00
7		20:30	3:30					Trace	24:00
8		22:30	1:30					Trace	24:00
9	0:50	17:10	5:00	1:00				0:08	24:00
10	2:30	15:00	2:30	2:00	0:30	1:30		0:22	24:00
11	14:20	7:10	2:30					0:03	24:00
12	24:00							—	24:00
13	8:20	10:20	2:50	1:00	1:00	0:30		0:16	24:00
14		10:00	7:00	5:30	1:30			0:12	24:00
15		20:15	3:15	0:30				0:08	24:00
16		16:45	5:30	1:45				0:08	24:00
17		23:00	1:00					Trace	24:00
18	14:30	8:00	1:30					Trace	24:00
19	24:00							—	24:00
20	8:30	10:00	5:30					Trace	24:00
21		18:00	6:00					0:04	24:00
22		18:30	5:30					Trace	24:00
23	4:30	11:30	7:30	0:30				0:07	24:00
24		20:30	3:00	0:30				0:05	24:00
25		24:00						Zero	24:00
26	12:00	12:00						Zero	24:00
27	7:30	16:30						Zero	24:00
28		24:00						Zero	24:00
29		19:30	4:30					0:03	24:00
30		15:30	3:00	4:30	1:00			0:14	24:00
31		20:30	3:30					Trace	24:00
									744:00
									Hrs.

1504

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 144  
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EXHIBIT NO. 144 (Continued)

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
June 1		24:00						Zero	24:00
2		23:00	1:00					Trace	24:00
3		19:00	3:00	2:00				0:07	24:00
4		23:00	0:30			0:30		0:20	24:00
5		21:00	3:00					Trace	24:00
6		17:30	3:30	3:00				0:08	24:00
7		16:00	6:00	2:00				0:07	24:00
8		24:00						Zero	24:00
9		24:00						Zero	24:00
10	13:10	8:20	2:30					Trace	24:00
11	10:20	6:00	7:40					0:04	24:00
12		20:30	3:00	0:30				0:08	24:00
13		23:00	1:00					Trace	24:00
14		24:00						Zero	24:00
15		24:00						Zero	24:00
16		24:00						Zero	24:00
17		16:30	5:00	0:30	0:30	1:30		0:20	24:00
18		24:00						Zero	24:00
19		24:00						Zero	24:00
20		18:00	4:30	1:30				0:07	24:00
21		23:00	1:00					Trace	24:00
22		24:00						Zero	24:00
23		24:00						Zero	24:00
24		17:30	6:30					0:04	24:00
25		12:00	11:30	0:30				0:05	24:00
26		16:30	7:30					0:04	24:00
27		22:00	2:00					Trace	24:00
28		15:30	8:30					0:03	24:00
29		24:00						Zero	24:00
30		24:00						Zero	24:00

EXHIBIT NO. 144 (Continued)

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
July 1		22:00	2:00					Trace	24:00
2		24:00						Zero	24:00
3		22:00	2:00					0.03	24:00
4		22:00	2:00					Trace	24:00
5		11:00	9:30	2:00		1:00	0:30	0.28	24:00
6		24:00						Zero	24:00
7		22:45			1:00	0:15		0.21	24:00
8		8:30	13:30	2:00				0.10	24:00
9		24:00						Zero	24:00
10		20:00	4:00					Trace	24:00
11		9:30	14:00	0:30				0.06	24:00
12		24:00						Zero	24:00
13		24:00						Zero	24:00
14		24:00						Zero	24:00
15		24:00						Zero	24:00
16		13:00	9:00	2:00				0.07	24:00
17		9:00	10:00	4:00	1:00			0.10	24:00
18		14:30	9:30					0.04	24:00
19		9:30	10:00	4:30				0.09	24:00
20		24:00						Zero	24:00
21		24:00						Zero	24:00
22		20:00	4:00					Trace	24:00
23		22:30	1:30					Trace	24:00
24		19:45	3:45	0:15	0:15			0.11	24:00
25		24:00						Zero	24:00
26		22:00	1:30	0:30				0.05	24:00
27		17:30	6:00	0:30				0.05	24:00
28		20:00	3:00	1:00				0.05	24:00
29		18:00	3:30	2:30				0.06	24:00
30		24:00						Zero	24:00
31		24:00						Zero	24:00
									744:00
									Hrs.

1506

In the  
Supreme  
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Exhibit  
No. 144  
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Exhibit 143  
Continued

EXHIBIT NO. 144 (Continued)

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
Aug. 1		24:00						Zero	24:00
2		24:00						Zero	24:00
3		22:15	1:00	0:45				0.07	24:00
4		21:00	3:00					0.02	24:00
5		22:30	1:30					Trace	24:00
6	4:35	19:25						Zero	24:00
7		22:20	1:30		0:10			0.14	24:00
8		24:00						Zero	24:00
9		24:00						Zero	24:00
10		24:00						Zero	24:00
11		24:00						Zero	24:00
12		21:30	2:30					Trace	24:00
13		17:30	5:00	1:30				0.08	24:00
14		20:50	3:00		0:10			0.13	24:00
15		19:00	3:30	0:30		0:50	0:10	0.69	24:00
16		24:00						Zero	24:00
17		24:00						Zero	24:00
18		24:00	1:00					Trace	24:00
19		20:30	3:00	0:30				0.05	24:00
20		17:30	6:30					0.03	24:00
21		24:00						Zero	24:00
22		24:00						Zero	24:00
23		24:00						Zero	24:00
24		22:00	2:00					Trace	24:00
25		24:00						Zero	24:00
26		22:00	2:00					Trace	24:00
27		16:00	5:30	2:30				0.09	24:00
28		11:00	11:00	2:00				0.10	24:00
29		24:00						Zero	24:00
30		22:30	1:00	0:30				0.05	24:00
31		19:30	4:30					Trace	24:00
									744:00 Hrs.

EXHIBIT NO. 144

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
Sept. 1		24:00						Zero	24:00
2		24:00						Zero	24:00
3		15:30	7:30	1:00				0.05	24:00
4		12:30	4:00	7:30				0.10	24:00
5			17:00	4:00	2:30	0:30		0.16	24:00
6		6:00	18:00					0.04	24:00
7		18:00	5:30	0:30				0.06	24:00
8		24:00						Zero	24:00
9		8:00	15:00	1:00				0.06	24:00
10		15:00	8:00	1:00				0.06	24:00
11		18:00	3:00	2:00	0:30	0:30		0.18	24:00
12		20:30	3:30					0.03	24:00
13		11:45	9:15	3:00				0.08	24:00
14		7:45	10:45	4:30	1:00			0.16	24:00
15		15:30	8:30					0.03	24:00
16		20:00	2:00	1:30				0.06	24:00
17		17:00	6:00	1:00				0.06	24:00
18		11:30	10:00	2:30				0.07	24:00
19		5:00	9:00	9:30	0:30			0.11	24:00
20		16:30	2:30	4:30	0:30			0.11	24:00
21	0:30	21:30	2:00					0.04	24:00
22		24:00						Zero	24:00
23		23:10		0:15	0:15		0:20	0.40	24:00
24		24:00						Zero	24:00
25		24:00						Zero	24:00
26		24:00						Zero	24:00
27		24:00						Zero	24:00
28		24:00						Zero	24:00
29		24:00						Zero	24:00
30		24:00						Zero	24:00
									720:00 Hrs.

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In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 144  
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Daily Sum-  
mary as in  
Exhibit 143

EXHIBIT NO. 144 (Continued)

Date 1946	Time Not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.06 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum Readings P.P.M.	Total Hrs.
Oct. 1		24:00						Zero	
2		23:30	0:30					0.02	
3		19:30	4:30					0.02	
4		8:30	12:00	3:30				0.09	
5		10:15	10:30	3:00		0:15		0.17	
6		13:25	8:30	2:00		0:05		0.21	
7		20:00	3:30	0:30				0.05	
8		17:00	7:00					0.02	
9		2:00	15:30	5:30	1:00			0.14	
10		5:30	16:00	2:30				0.08	
11		12:45	4:30	2:30	2:00	2:15		0.21	
12		24:00						Zero	
13		22:30	1:30					Trace	
14		10:00	8:00	4:30	0:30	1:00		0.21	
15		1:30	13:30	8:00	1:00			0.12	
16		6:00	10:30	7:30				0.09	
17		14:00	9:30	0:30				0.05	
18		12:00	8:00	4:00				0.10	
19		13:00	9:30	0:30	0:30	0:30		0.20	
20		7:30	5:00	8:30	2:30	0:30		0.16	
21		5:30	11:00	3:30	2:00	2:00		0.21	
22		0:00	14:30	9:00	0:30			0.12	
23		6:00	11:00	7:00				0.08	
24		4:30	11:30	8:00				0.10	
25		17:00	6:30	0:30				0.05	
26		21:30	2:30					0.02	
27		3:00	18:00	2:00	1:00			0.14	
28	16:00	7:00	1:00					0.02	
29		10:00	11:00	3:00				0.08	
30		8:00	6:30	8:00	1:00	0:30		0.21	
31	16:00	7:00	1:00					0.02	
	16:00	357:55	253:00	98:00	12:00	7:05		0.24	



EXHIBIT NO. 145

Total Hours of Sulphur Dioxide Readings per Month, Growing Season 1946.  
N.R.C. Recorder Station near McKinnon Industries.

	May Hrs. Min.	June Hrs. Min.	July Hrs. Min.	August Hrs. Min.	September Hrs. Min.	October Hrs. Min.
Time recorder was not operated .....	207:55	23:30	0:00	4:35	0:30	16:00
Hours of zero readings .....	424:15	606:20	611:30	672:20	527:10	357:55
Hours of Trace—0.04 p.p.m. ....	36:05	77:40	108:45	57:30	141:00	253:00
Hours of 0.05-0.10 p.p.m. ....	19:45	10:00	19:45	8:15	43:45	98:00
Hours of 0.11-0.15 p.p.m. ....	4:00	0:30	2:15	0:20	5:15	12:00
Hours of 0.16-0.25 p.p.m. ....	2:00	2:00	1:15	0:50	1:00	7:05
Hours of readings above 0.25 p.p.m. ....	0:00	0:00	0:30	0:10	0:20	0:00
Total duration of Sulphur Dioxide from traces to Maximum Readings .....	111:50	90:10	132:30	67:05	191:20	370:05
Maximum concentration of Sulphur Dioxide in p.p.m. ....	0.20	0.20	0.28	0.69	0.40	0.24

1510

In the  
Supreme  
Court of  
Ontario  
Defendants  
Exhibit  
No. 145  
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In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 146  
Table of  
Dust and  
Organic  
Matter  
3rd May,  
1946 to 29th  
Oct., 1946

		EXHIBIT NO. 146			
		Concentration of Dust and Organic Matter in Atmosphere at N.R.C. Recorder Station, near McKinnon Industries.			
	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cubic Meter	Prevailing Wind Direction	Average Wind Velocity in m.p.h.
10	May 3, 8.00				
	-May 11, 9.45	146.0	0.101	NE, E, and SE, (26%) W, SW and S, (30%) NW, (44%)	—
	May 13, 10.45 -May 17, 14.15	99.5	0.189	NE and E (30%) SE and S (22%) N and W (18%) W and SW (30%)	7.4 3.6 4.0 4.0
20	May 22, 10.15 -May 23, 9.45	23.5	0.121	S (50%) W-SW (50%)	6.0 8.0
	May 23, 10.30 -16.30	6.0	0.017	SW	5.0
	May 23, 16.45 -May 26, 8.00	63.25	0.021	NE (12%) SW (55%) S (5%) N and NW (28%)	7.0
30	May 30, 16.07 -May 31, 7.50	15.75	0.160	W and SW (84%) NW (16%)	6.5 9.0
	May 31, 10.00 -16.00	6.0	0.503	SW & W (41.5%) S (17.0%) NE (41.5%)	10.0 4.0 10.0
	May 31, 16.15 -June 3, 8.30	64.25	0.069	E and NE (80%) NW (7%) W and SW (13%)	9.0 2.0 1.7
40	June 3, 9.30 -June 4, 11.00	25.5	0.172	W and SW (39%) NW (53%) S (8%)	5.0 6.0 2.0
	June 4, 11.30 -June 5, 7.15	19.75	0.229	NW (18%) SW (82%)	7.0 5.0
	June 5, 8.15 -June 6, 15.15	31.0	0.356	NW (24%) SW (76%)	7.0 8.7
50	June 6, 15.30 -June 7, 7.15	15.75	0.369	SW	7.3
		4.0	0.403	SW	8.4
		4.0	0.680	SW	14.0
	June 7, 16.00 -June 10, 7.15	63.25	0.170	S & SW (59%) NW & N (35%) S (6%)	7.0 8.0 2.0
	June 10, 8.30 -11.30	3.0	0.370	S (67%)	6.0

## EXHIBIT NO. 146 (Continued)

Concentration of Dust and Organic Matter in Atmosphere at N.R.C. Recorder Station, near McKinnon Industries.

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cubic Meter	Prevailing Wind Direction	Average Wind Velocity in m.p.h.	
10	June 10, 11.30 -16.30	5.0	0.870	SW (33%)	8.0	
	June 10, 16.45 -June 11, 7.30			SW	8.0	
	June 12, 7.45 -June 14, 15.45	14.75	0.344	SW (46%)	10.0	
				S (54%)	6.0	
				NW (25%)	8.5	
				SW (32%)	6.0	
	20	June 14, 16.15 -June 17, 7.30	64.25	0.149	E & NE (54%)	5.5
		S (15%)			4.0	
		SW (31%)			7.0	
		June 17, 7.45 -11.30	3.75	0.682	SW & W	6.5
June 17 11.45-16.30		W & SW			9.0	
June 17, 16.45 -June 18, 7.30		14.75	0.145	SW (80%)	6.0	
NE (20%)				8.0		
30		June 18, 7.45 -11.30	3.75	0.178	NE	8.0
		June 18, 11.45 -16.30			NE	8.0
		June 18, 16.45 -June 19, 7.30	14.75	0.979	NE	6.7
	E	8.0				
	June 19, 7.45 -11.30	3.75	0.117	E and NE	11.0	
	June 19, 11.45 -16.30			NE	14.0	
	40	June 19, 16.46 -June 20, 7.30	14.75	0.346	E and SE	3.5
		June 20, 7.45 -11.30			SE and S	4.0
		June 20, 11.45 -16.30	4.75	0.115	S and SE	5.0
		June 20, 16.45 -June 21, 7.30			NE (13.5%)	4.0
50		June 21, 7.45 -11.30	3.75	1.46	SW & W (57.5%)	7.0
					S (17.0%)	4.0
					SW (12.0%)	10.0
					SW	17.0
					SW	17.0

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Concentration of Dust and Organic Matter in Atmosphere at N.R.C. Recorder Station, near McKinnon Industries.

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	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cubic Meter	Prevailing Wind Direction	Average Wind Velocity in m.p.h.	
10	June 21, 11.45 -16.30	4.75	1.70	SW	17.0	
	June 21, 16.45 -June 24, 7.30	62.75	0.147	SW & W NW S	(75%) (11%) (14%) 8.5 6.0 4.0	
	June 24, 7.45 -11.30	3.75	1.38	SW	9.0	
	June 24, 11.45 -16.30	4.75	0.571	S SW	(37%) (63%) 11.0 6.5	
	June 24, 16.45 -June 20, 7.30	14.75	0.232	SW S	(49%) (51%) 6.5 4.0	
	June 25, 7.45 -11.30	3.75	0.813	SW	11.0	
	June 25, 11.45 -16.30	4.75	1.23	SW	11.0	
	June 25, 16.45 -June 26, 8.30	15.75	0.238	S SW	(59%) (41%) 7.0 9.0	
	June 26, 8.30 -11.30	3.0	1.57	SW	9.0	
	June 26, 11.45 -June 27, 7.30	19.75	0.421	SW NW	(92%) ( 8%) 6.7 2.0	
30	June 27, 7.45 -11.30	3.75	0.232	NW NE	(33%) (67%) 2.0 6.0	
	June 27, 11.45 -16.30	4.75	0.203	NE	(100%) 6.0	
	June 27, 16.45 -June 28, 7.30	14.75	0.343	E SW	(8.5%) (91.5%) 7.0 5.5	
	June 28, 7.45 -11.30	3.75	0.479	SW	5.0	
	June 28, 11.45 -16.30	4.75	0.232	SW	5.0	
	June 28, 16.45 -July 2, 7.30	86.75	0.121	SW NW S	(77.5%) (14.0%) ( 8.5%) 5.6 6.0 4.5	
	50	July 2, 7.45 -10.45	3.0	0.269	NE	7.0
		July 2, 11.30 -16.30	5.0	0.272	Nil NW NE	(60%) (40%) 7.0 7.0

## EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 146 Table of Dust and Organic Matter 3rd May, 1946 to 29th Oct., 1946 Continued</i>
			Dust	Soluble Organic Matter				
10	-July 2, 16.45 July 3, 7.30	14.75	0.236	0.046	NE SW	(18%) (82%)	7.0 2.8	
	July 3, 7.45 -11.30	3.75	0.202	0.331	NW NE	(33%) (67%)	4.0 7.5	
	July 3, 11.45 -July 4, 7.30	19.75	0.147	0.0762	E & NE S & SE W & SW	(42%) (53%) (5%)	6.7 4.5 2.0	
20	July 4, 7.45 -11.30	3.75	0.311	0.416	SW NW	(47%) (53%)	2.0 2.0	
	July 4, 11.45 -16.15	4.5	0.230	0.258	NE		9.5	
	July 4, 16.30 -July 5, 7.30	15.0	0.387	0.102	NE & E SE	(40%) (60%)	6.7 5.3	
	July 5, 7.45 -11.30	3.75	0.298	0.286	SE S	(67%) (33%)	8.0 6.5	
30	July 5, 11.45 -16.15	4.5	0.184	0.175	SW		6.5	
	July 5, 16.30 -July 8, 7.30	63.0	0.221	0.0536	S W & SW N & NW NE & E	(31%) (46%) (10%) (13%)	4.0 7.2 5.0 7.0	
	July 8, 7.45 -11.30	3.75	0.451	0.389	W & NW E	(60%) (40%)	7.5 5.5	
40	July 8, 11.45 -16.15	4.5	0.350	0.242	SW		6.5	
	July 8, 16.30 -July 9, 7.30	15.0	0.115	0.0843	SW NW N	(43%) (17%) (40%)	6.5 5.0 5.0	
	July 9, 7.45 -11.30	3.75		0.412	NW N & NE	(20%) (80%)	6.0 6.5	
50	July 9, 11.45 -16.15	4.5	0.199	0.271	NE & N		7.0	

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	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	July 10, 16.30 -July 11, 7.30	15.0	0.114	0.0204	E & NE S W	(67%) (13%) (20%)	6.3 4.0 2.5
	July 11, 7.45 -11.30	3.75	0.133	0.514	W & SW		5.3
	July 11, 11.45 -16.15	4.5	0.257	0.350	SW	8	8.0
	July 11, 16.30 -July 12, 7.30	15.0	0.161	0.096	SW & W NW S	(43%) (47%) (10%)	7.1 8.5 4.0
20	July 12, 7.45-11.30	3.75	Trace	0.053	NW	100%	7.0
	July 12, 11.45-16.15	4.5	Trace	0.091	NW	100%	7.0
	July 12, 16.30 -July 15, 7.30	63.0	0.107	0.018	S W-SW N-NW E-NE	8% 35% 40% 17%	3.0 6.5 6.6 13.0
30	July 15, 7.45-11.30	3.75	Trace	0.133	E-NE	100%	12.0
	July 15, 11.45-16.15	4.5	0.256	0.193	NE	100%	11.0
	July 15, 16.30 -July 16, 7.30	15.0	0.219	0.124	S SW N NE	3% 23% 57% 17%	4.0 4.0 4.5 11.0
40	July 16, 7.45-11.30	3.75	0.033	0.240	S	100%	4.0
	July 16, 11.45-16.15	4.5	0.305	0.221	E-NE	100%	9.0

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	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	July 16, 16.30 -July 17, 7.30	15.0	—	0.090	S-SE W E-NE	54% 23% 23%	5.0 5.5 10.0
	July 17, 7.45-11.30	3.75	0.328	0.238	W NE	33% 67%	5.5 6.5
	July 17, 11.45-16.15 July 17, 16.30 -July 18, 7.30	4.5 15.0	0.164 0.195	0.236 0.090	NE S NE-E	100% 74% 26%	6.5 3.5 5.25
20	July 18, 7.45-11.30	3.75	0.424	0.263	S SW	47% 53%	3.0 3.5
	July 18, 11.45-16.15 July 18, 16.30 -July 19, 7.30	4.5 15.0	0.321 0.255	0.398 0.067	N S	100% 100%	5.0 4.75
30	July 19, 7.45-11.30	3.75	0.838	0.287	SW	100%	15.0
	July 19, 11.45-16.15 July 19, 16.30- July 22, 7.30	4.5 63.0	1.320 0.121	0.344 0.030	SW S W-SW N-NW NE	100% 43% 17% 27% 13%	15.0 2.7 8.3 9.0 5.7
	July 22, 7.45-11.30	3.75	0.602	0.341	S	100%	3.0
40	July 22, 11.45-16.15	4.5	0.011	0.254	S	28%	3.0
	July 22, 11.45-16.15				SW NE-E	22% 50%	6.0 7.7
50	July 22, 16.30 -July 23, 7.30	15.0	0.223	0.043	S W-SW N E-NE	27% 30% 10% 33%	4.0 4.2 3.0 7.3
	July 23, 7.45-16.15	8.5	0.290	0.075	SE W-SW NW	9% 32% 59%	7.0 7.0 7.0
	July 23, 16.30 -July 24, 7.30	15.0	0.342	0.067	SE SW	10% 90%	6.0 9.0

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EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	July 24, 7.45 -July 25, 7.30	23.75	0.376	0.054	SW N-NW	41% 59%	10.0 9.3
	July 25, 7.45 -July 26, 16.15	32.5	0.121	0.084	W N-NW NE	15% 82% 3%	5.5 5.7 8.0
	July 26, 16.30 -July 29, 7.30	63.0	0.149	0.023	S SW N-NW E, NE	46% 24% 10% 20%	3.5 4.5 7.4 5.5
20	July 29, 7.45-16.15	8.5	0.498	0.124	W-SW N	88% 12%	6.6 5.0
	July 29, 16.30 -July 30, 7.30	15.0	0.167	0.029	S SW N NE, E	41% 20% 13% 26%	2.0 5.5 3.0 8.0
30	July 30, 7.45 -11.30	3.75	0.072	0.020	SE NE-E	13% 87%	4.0 8.5
	July 30, 11.45-16.15	4.5	0.245	0.201	SE NE-E	5.5% 94.5%	4.0 4.5
	July 30, 16.30 -July 31, 7.30	15.0	0.115	0.037	SE NE-E	3% 97%	6.0 4.5
40	July 31, 7.45 -11.30	3.75	0.253	0.127	SE E	7% 93%	6.0 10.0
	July 31, 11.45-16.15	4.5	0.122	0.108	NE-E	100%	10.5
	July 31, 16.30 -Aug. 1, 7.30	15.0	0.104	0.107	NE-E	100%	6.9
	Aug. 1, 7.45 -11.30	3.75	0.095	0.188	NE	100%	9.5
	Aug. 1, 16.30 -Aug. 2, 7.30	15.0	0.184	0.051	E	100%	6.5
50	Aug. 2, 7.45-11.30	3.75	0.332	0.022	NE-E	100%	7.2
	Aug. 2, 11.45-16.15	4.5	0.162	0.045	NE, E	100%	9.6



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EXHIBIT NO. 146 (Continued)  
Average Dust  
Concentration  
Milligrams per Cu.  
Meter

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Aug. 2, 16.30	63.0	0.146	0.049	S, SE	11%	3.3
	-Aug. 5, 7.30				SW	21%	6.1
					N, NW	13%	4.3
					NE	42%	3.0
					No Record	13%	
	Aug. 5, 7.45-11.30	3.75	0.165	0.124	SW	87%	2.0
					N	13%	6.0
20	Aug. 5, 11.45-16.15	4.5	0.074	0.069	N	100%	6.0
	Aug. 5, 16.30 -Aug. 6, 7.30	15.0	0.117	0.091	W	40%	3.0
					N	30%	4.5
					Calm	30%	
	Aug. 6, 7.45-16.15	8.5	0.099	0.076	NE	97%	3.5
					Calm	3%	
30	Aug. 6, 16.30 -Aug. 7, 7.30	15.0	0.104	0.040	Calm	27%	
					NE	20%	6.5
					S	53%	3.7
	Aug. 7, 7.45-11.30	3.75	0.190	0.081	S	33%	2.5
					NW	67%	5.5
	Aug. 7, 11.45-16.15	4.5	0.104	0.055	N-NW	100%	5.0
	Aug. 7, 16.30 -Aug. 8, 7.30	15.0	0.131	0.033	S	50%	3.0
					SW	23%	2.0
					N	27%	4.5
40	Aug. 8, 7.45-11.30	3.75	0.060	0.013	S	60%	3.0
					N	40%	4.0
	Aug. 8, 11.45-16.15	4.5	0.071	0.015	SW	61%	6.5
					N	39%	4.0
	Aug. 8, 15.30 -Aug. 9, 7.30	15.0	0.036	0.045	SW	50%	5.5
					S	50%	4.0
50	Aug. 9, 7.45-11.30	3.75	0.155	0.078	S	7%	4.0
					SW	93%	7.5
	Aug. 9, 11.45-16.15	4.5	0.418	0.130	SW	100%	7.5
	Aug. 9, 16.30 -Aug. 12, 7.30	63.0	0.078	0.004	S	6%	4.25
					SW-W	40%	9.5
					N-NW	29%	10.1
					NE-E	25%	6.25

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EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Aug. 12, 7.45-11.30	3.75	0.188	0.207	E	100%	5.0
	Aug. 12, 11.45-16.15	4.5	0.496	0.277	N E, NE	67% 33%	5.0 5.0
	Aug. 12, 16.30 -Aug. 13, 7.30	15.0	0.277	0.033	S NE	76% 24%	3.0 5.0
20	Aug. 13, 7.45-11.30	3.75	0.662	0.265	S NE	47% 53%	3.0 8.0
	Aug. 13, 11.45-16.15	4.5	0.430	0.198	NE	100%	8.0
	Aug. 13, 16.30 -Aug. 14, 7.30	15.0	0.305	0.067	NW SW S	20% 67% 13%	4.5 3.5 3.0
	Aug. 14, 7.45-11.30	3.75	0.523	0.347	SW NE	20% 80%	4.0 6.5
30	Aug. 14, 11.45-16.15	4.5	0.179	0.096	NE	100%	6.5
	Aug. 14, 16.30 -Aug. 15, 7.30	15.0	0.229	0.067	E-NE S-SE	20% 80%	6.2 6.5
	Aug. 15, 7.45-11.30	3.75	0.049	0.267	S SW	33% 67%	6.0 6.0
40	Aug. 15, 11.45-16.15	4.5	0.258	0.235	SW	100%	6.0
	Aug. 15, 16.30 -Aug. 16, 7.30	15.0	0.284	0.096	SW S	70% 30%	6.1 5.0
	Aug. 16, 7.45 -11.30	3.75	0.574	0.224	SW	100%	7.5
	Aug. 16, 11.45-16.15	4.5	0.514	0.138	SW	100%	7.5
	Aug. 16, 16.30 -Aug. 19, 7.30	63.0	0.100	0.054	S-SE SW NW E-NE	34% 32% 4% 30%	5.4 8.0 10.0 9.7
50	Aug. 19, 7.45 -11.30	3.75	0.539	0.270	SW NW	47% 53%	13.0 11.0
	Aug. 19, 11.45 -Aug. 20, 7.30	19.17	0.182	0.039	W NW	96% 4%	11.0 11.0

EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.	
			Dust	Soluble Organic Matter				
10	Aug. 20, 7.45 -11.30	3.75	0.323	0.061	W	100%	10.0	
	Aug. 20, 11.45 -16.15	4.5	0.055	0.227	W	100%	10.0	
	Aug. 20, 16.30 -Aug. 21, 7.30	15.0	0.103	0.071	W-SW S	70% 30%	7.0 2.5	
	Aug. 21, 7.45 -11.30	3.75	0.174	0.369	SW NW	60% 40%	4.0 4.0	
	20	Aug. 21, 11.45 -Aug. 22, 7.30	19.75	0.084	0.118	NW SW S NE	23% 23% 15% 39%	5.0 5.0 3.0 7.0
		Aug. 22, 7.45 -11.30	3.75	0.008	0.426	NE	100%	7.0
30	Aug. 22, 11.45 -16.15	4.5	0.343	0.308	NW	100%	10.0	
	Aug. 22, 16.30 -Aug. 23, 7.30	15.0	0.137	0.157	N-NW NE	50% 50%	5.7 8.0	
	Aug. 23, 7.45 -11.00	3.75	0.164	0.582	NW	100%	5.5	
	Aug. 23, 11.45 -16.15	4.5	0.298	0.404	N-NW	100%	7.0	
	40	Aug. 23, 16.30 -Aug. 26, 7.30	63.0	0.160	0.079	W-SW N-NW NE	38% 39% 23%	3.5 6.0 7.0
		Aug. 26, 7.45 -11.30	3.75	0.022	0.317	SW NW	20% 80%	3.0 6.0
50	Aug. 26, 11.45 -16.15	4.5	0.048	0.280	NW NE	39% 51%	6.0 4.5	
	Aug. 26, 16.30 -Aug. 27, 7.30	15.0	0.208	0.166	NE SW	40% 60%	4.5 2.5	
	Aug. 27, 7.45 -11.30	3.75	0.679	0.432	SW NW	20% 80%	3.0 6.0	
	Aug. 27, 11.45 -16.15	4.5	0.211	0.359	N-NW	100%	7.0	
50	Aug. 27, 16.30 -Aug. 28, 7.30	15.0	0.104	0.094	S SW N	57% 40% 3%	4.0 8.0 7.0	

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EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
	Aug. 28, 7.45 -11.30	3.75	0.932	0.223	SW	100%	9.0
	Aug. 28, 11.45 -16.15	4.5	0.916	0.413	SW	100%	9.0
	Aug. 28, 16.30 -Aug. 29, 7.30	15.0	0.099	0.078	W-SW N-NW	37% 63%	5.7 9.7
	Aug. 29, 7.45 -11.30	3.75	0.019	0.331	N NE	27% 73%	9.0 9.0
20	Aug. 29, 11.45 -16.15	4.5	0.096	0.263	N NE	50% 50%	9.0 7.0
	Aug. 29, 16.30 -Aug. 30, 7.30	15.0	0.062	0.189	NE NW W-SW S	3% 20% 50% 27%	7.0 4.5 3.5 3.0
	Aug. 30, 7.45 -11.30	3.75	0.228	0.044	SW NW	60% 40%	4.0 7.0
30	Aug. 30, 11.45 -16.15	4.5	0.586	0.504	SW NW	61% 39%	5.5 7.0
	Aug. 30, 16.30 -Sept. 3, 7.30	87.0	0.192	0.056	S SW NE N-NW	6% 60% 16% 18%	4.0 7.4 4.5 4.2
40	Sept. 3, 7.45 -11.30	3.75	0.395	0.383	SW N	33% 67%	3.5 7.0
	Sept. 3, 11.45 -16.15	4.5	0.246	0.242	N	100%	7.0
	Sept. 3, 16.30 -Sept. 4, 7.30	15.0	0.276	0.189	S-SE W-SW N E	40% 30% 3% 27%	3.0 2.7 7.0 3.0
	Sept. 4, 7.45 -11.30	3.75	0.503	0.272	E SW	13% 87%	7.0 2.5
50	Sept. 4, 11.45 -16.15	4.5	0.188	0.244	E-NE	100%	10.5
	Sept. 4, 16.30 -Sept. 5, 7.30	15.0	0.188	0.169	E-NE S	50% 50%	11.0 6.0
	Sept. 5, 7.45 -11.30	3.75	0.582	0.169	S	100%	6.0

## EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Sept. 5, 11.45 -16.15	4.5	0.182	0.274	S	100%	6.0
	Sept. 5, 16.30 -Sept. 6, 7.30	15.0	0.293	0.139	S SW	50% 50%	6.0 9.7
	Sept. 6, 7.45 -11.30	3.75	0.482	0.171	SW	100%	9.7
	Sept. 6, 11.45 -16.15	4.5	0.422	0.390	SW	100%	9.7
20	Sept. 6, 16.30 -Sept. 9, 7.30	63.0	0.182	0.123	S SW E-NE	5% 25% 70%	6.7 8.0 7.0
	Sept. 9, 7.45 -11.30	3.75	0.385	0.280	E SW	33% 67%	2.0 4.0
	Sept. 9, 11.45 -16.15	4.5	0.329	0.587	SW SE	22% 78%	4.0 4.0
30	Sept. 9, 16.30 -Sept. 10, 7.30	15.0	0.165	0.127	S SW	50% 50%	4.0 12.0
	Sept. 10, 7.45 -11.30	3.75	0.863	0.247	SW W	33% 67%	12.0 14.0
	Sept. 10, 11.45 -16.15	4.5	0.267	0.242	W	100%	14.0
	Sept. 10, 16.30 -Sept. 11, 7.30	15.0	0.081	0.046	W	100%	13.5
40	Sept. 11, 7.45 -11.30	3.75	0.366	0.244	W NW	73% 27%	13.0 8.0
	Sept. 11, 11.45 -16.15	4.5	0.279	0.418	N-NW	100%	9.5
	Sept. 11, 16.30 -Sept. 12, 7.30	15.0	0.092	0.117	NE	100%	11.7
	Sept. 12, 7.45 -11.30	3.75	0.126	0.378	NE	100%	12.0
	Sept. 12, 11.45 -16.15	4.5	0.027	0.113	NE	100%	12.0
50	Sept. 12, 16.30 -Sept. 13, 7.30	15.0	0.270	0.139	E-NE SE	80% 20%	9.3 4.0
	Sept. 13, 7.45 -11.30	3.75	0.211	0.387	E	100%	7.0
	Sept. 13, 11.45 -16.15	4.5	0.145	0.444	E-NE	100%	11.2

*In the  
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Dust and  
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3rd May,  
1946 to 29th  
Oct., 1946  
Continued*

EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.	
			Dust	Soluble Organic Matter			In	M.P.H.
10	Sept. 13, 16.30 -Sept. 16, 7.30	63.0	0.265	0.186	S-SE W-SW N-NW E-NE	20% 40% 5% 35%	- 3.5 2.0 5.0 6.7	
	Sept. 16, 7.45 -11.30	3.75	0.548	0.341	S W-SW	33% 67%	2.0 5.7	
20	Sept. 16, 11.45 -16.15	4.5	0.133	0.329	W N-NW	28% 72%	6.4 5.0	
	Sept. 16, 16.30 -Sept. 17, 7.30	15.0	0.152	0.102	N S SW	3% 37% 60%	5.0 2.5 3.0	
	Sept. 17, 7.45 -11.30	3.75	0.310	0.177	S SW N	7% 40% 33%	2.5 3.0 4.0	
30	Sept. 17, 11.45 -16.15	4.5	—	0.610	N	100%	4.0	
	Sept. 17, 16.30 -Sept. 18, 7.30	15.0	0.570	0.554	N-NW S	83% 17%	3.0 2.5	
	Sept. 18, 7.45 -11.30	3.75	0.259	0.435	W-SW N	60% 40%	2.5 5.0	
40	Sept. 18, 11.45 -16.15	4.5	—	0.370	N NE	39% 61%	5.0 3.5	
	Sept. 18, 16.30 -Sept. 19, 7.30	15.0	0.350	0.203	NW NE	37% 63%	2.0 2.7	
	Sept. 19, 7.45 -11.30	3.75	0.329	0.366	NW	100%	2.0	
	Sept. 19, 11.45 -16.15	4.5	0.114	0.382	NW E-NE	5.5% 94.5%	2.0 6.5	
50	Sept. 19, 16.30 -Sept. 20, 7.30	15.0	0.360	0.205	S-SE W E	57% 17% 26%	5.5 1.0 6.0	
	Sept. 20, 7.45 -11.30	3.75	0.120	0.252	SW S	80% 20%	6.0 5.0	

## EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Sept. 20, 11.45 -16.15	4.5	0.107	0.133	S	100%	5.0
	Sept. 20, 16.30 -Sept. 23, 7.30	63.0	0.264	0.094	S-SE SW N-NW E	53% 19% 17% 11%	4.4 4.0 3.5 3.0
	Sept. 23, 7.45 -11.30	3.75	0.119	0.238	S	100%	10.0
20	Sept. 23, 11.45 -16.15	4.5	0.112	0.201	S	100%	10.0
	Sept. 23, 16.30 -Sept. 24, 7.30	15.0	0.043	0.094	S W-SW	50% 50%	10.0 8.5
	Sept. 24, 7.45 -11.30	3.75	0.176	0.211	W	100%	10.0
	Sept. 24, 11.45 -16.15	4.5	0.206	0.232	W NW	72% 28%	10.0 7.0
30	Sept. 24, 16.30 -Sept. 25, 7.30	15.0	0.087	0.076	SW W	83% 17%	7.0 10.0
	Sept. 25, 7.45 -11.30	3.75	0.052	0.182	W NW	7% 93%	10.0 8.0
	Sept. 25, 11.45 -16.15	4.5	0.175	0.247	NW	100%	8.0
	Sept. 25, 16.30 -Sept. 26, 7.30	15.0	0.170	0.052	NW SW S	3% 23% 74%	8.0 4.0 3.7
40	Sept. 26, 7.45 -11.30	3.75	0.046	0.036	S SW	33% 67%	4.5 9.0
	Sept. 26, 11.45 -16.15	4.5	0.357	0.357	SW	100%	9.0
	Sept. 26, 16.30 -Sept. 27, 7.30	15.0	0.224	0.131	W-SW N	73% 27%	4.5 1.0
50	Sept. 27, 7.45 -11.30	3.75	0.452	0.378	SW NE	86% 14%	1.0 6.0
	Sept. 27, 11.45 -16.15	4.5	0.109	0.237	NE	100%	6.0
	Sept. 27, 16.30 -Sept. 30, 7.30	63.0	0.137	0.054	S SW N-NW E-NE	13% 44% 34% 9%	4.0 5.3 12.5 8.0

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Dust and  
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Matter  
3rd May,  
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Table of  
Dust and  
Organic  
Matter  
3rd May,  
1946 to 29th  
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EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Sept. 30, 7.45 -11.30	3.75	0.216	0.240	NW NE	27% 73%	15.0 15.0
	Sept. 30, 11.45 -16.15	4.5	—	0.221	NW	100%	15.0
	Sept. 30, 16.30 -Oct. 1, 7.30	15.0	0.039	0.028	N-NW NE	60% 40%	18.0 20.0
	Oct. 1, 7.45 -11.30	3.75	0.065	0.060	NW	100%	18.0
20	Oct. 1, 11.45 -16.15	4.5	0.098	0.196	NW	100%	18.0
	Oct. 1, 16.30 -Oct. 2, 7.30	15.0	0.079	0.082	NW SW	87% 13%	12.0 6.0
	Oct. 2, 7.45 -11.30	3.75	0.120	0.241	NW	100%	12.0
	Oct. 2, 11.45 -16.15	4.5	0.224	0.081	NW	100%	12.0
30	Oct. 2, 16.30 -Oct. 3, 7.30	15.0	0.219	0.074	NW SW S	3% 60% 37%	12.0 3.7 3.0
	Oct. 3, 7.45 -11.30	3.75	0.427	0.092	S SW	7% 93%	3.0 5.0
	Oct. 3, 11.45 -16.15	4.5	0.473	0.208	SW	100%	5.0
	Oct. 3, 16.30 -Oct. 4, 16.15	23.75	0.220	—	S SW	40% 60%	3.0 5.5
40	Oct. 4, 16.30 -Oct. 7, 7.30	63.0	0.247	0.069	S-SE W-SW N NE	77% 13% 6% 4%	3.0 3.0 3.0 5.0
	Oct. 7, 7.45 -11.30	3.75	—	0.200	SW N	87% 13%	4.0 7.0
	Oct. 7, 11.45 -16.15	4.5	—	0.457	W N	28% 72%	4.0 7.0
	Oct. 7, 16.30 -Oct. 8, 7.30	15.0	0.176	0.180	W E-NE	7% 93%	4.0 9.7



## EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.	
			Dust	Soluble Organic Matter				
10	Oct. 8, 7.45 -11.30	3.75	0.173	0.080	E	100%	10.0	
	Oct. 8, 11.45 -16.15	4.5	0.279	0.126	E	100%	10.0	
	Oct. 8, 16.30 -Oct. 9, 7.30	15.0	0.100	0.089	E	100%	6.5	
	Oct. 9, 7.45 -16.15	8.5	0.338	0.260	E N-NW	47% 53%	3.0 3.0	
	20	Oct. 9, 16.30 -Oct. 10, 7.30	15.0	0.270	0.112	S-SE E	80% 20%	2.8 3.0
		Oct. 10, 7.45 -11.30	3.75	0.312	0.387	SW NE	60% 40%	3.0 6.0
		Oct. 10, 11.45 -16.15	4.5	0.318	0.326	NE	100%	6.0
Oct. 10, 16.30 -Oct. 11, 7.30		15.0	0.165	0.144	E S	33% 67%	4.0 5.7	
30		Oct. 11, 7.45 -11.30	3.75	0.211	0.065	S SW	7% 93%	7.5 9.5
	Oct. 11, 11.45 -16.15	4.5	0.194	0.208	SW	100%	9.5	
	Oct. 11, 16.30 -Oct. 15, 7.30	87.0	0.095	0.041	S W-SW N-NW	37% 48% 15%	5.3 7.0 8.3	
	40	Oct. 15, 7.45 -11.30	3.75	0.475	0.456	S SW	60% 40%	3.0 9.0
		Oct. 15, 11.45 -16.15	4.5	0.437	0.227	SW	100%	9.0
Oct. 15, 16.30 -Oct. 16, 7.30		15.00	0.134	0.074	S SW	90% 10%	6.0 13.0	
Oct. 16, 7.45 -11.30		3.75	0.723	0.183	SW	100%	13.0	
50	Oct. 16, 11.45 -16.15	4.5	1.005	0.270	SW	100%	13.0	
	Oct. 16, 16.30 -Oct. 17, 7.30	15.0	0.204	0.146	E-NE SW N	67% 20% 13%	7.0 13.0 8.0	
	Oct. 17, 7.45 -11.30	3.75	0.139	0.462	E	100%	7.5	
	Oct. 17, 11.45 -16.15	4.5	0.114	0.114	E	100%	7.5	

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1946 to 29th  
Oct., 1946  
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EXHIBIT NO. 146 (Continued)

	Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
			Dust	Soluble Organic Matter			
10	Oct. 17, 16.30 -Oct. 18, 7.30	15.0	0.120	0.083	E	100%	8.5
	Oct. 18, 7.45 -11.30	3.75	0.475	0.296	E W	60% 40%	9.5 4.0
	Oct. 18, 11.45 -16.15	4.5	0.114	0.159	W N	17% 83%	4.0 13.0
20	Oct. 18, 16.30 -Oct. 21, 7.30	63.0	0.152	0.093	S-SE W-SW N-NW E-NE	19% 20% 12% 49%	2.3 5.5 11.5 6.7
	Oct. 21, 7.45 -11.30	3.75	0.343	—	S SW	47% 53%	3.5 7.5
	Oct. 21, 11.45 -16.15	4.5	0.168	0.192	SW	100%	7.5
30	Oct. 21, 16.30 -Oct. 22, 7.30	15.0	0.083	0.037	SW	100%	5.0
	Oct. 22, 7.45 -11.30	3.75	0.172	0.327	S SW	87% 13%	5.5 6.0
	Oct. 22, 11.45 -16.15	4.5	0.311	0.220	S SW	17% 83%	4.5 6.0
	Oct. 22, 16.30 -Oct. 23, 7.30	15.0	0.181	0.107	S SW	50% 50%	4.5 4.0
40	Oct. 23, 7.45 -11.30	3.75	0.073	0.212	SW	100%	4.0
	Oct. 23, 11.45 -16.15	4.5	0.352	0.216	SW	100%	4.0
	Oct. 23, 16.30 -Oct. 24, 7.30	15.0	0.255	0.134	SW	100%	4.7
	Oct. 24, 7.45 -11.30	3.75	0.585	0.201	SW	100%	5.5
	Oct. 24, 11.45 -16.15	4.5	0.157	0.172	SW S	94% 6%	5.5 8.5
50	Oct. 24, 16.30 -Oct. 25, 7.30	15.0	0.185	0.067	S SW	50% 50%	8.5 8.7
	Oct. 25, 7.45 -11.30	3.75	0.180	0.120	SW	100%	8.7

## EXHIBIT NO. 146 (Continued)

Date 1946	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. Meter		Prevailing Wind Direction	% of Total Test	Average Wind Velocity In M.P.H.
		Dust	Soluble Organic Matter			
10 Oct. 25, 11.45 -16.15	4.5	0.278	0.298	SW	100%	8.7
Oct. 25, 16.30 -Oct. 28, 7.30	63.0	0.137	0.066	S W-SW S	9% 82% 9%	4.0 5.3 3.0
Oct. 28, 7.45 -11.30	3.75	0.367	0.322	E	100%	3.0
Oct. 28, 11.45 -16.15	4.5	0.271	0.312	N	100%	3.7
20 Oct. 28, 16.30 -Oct. 29, 7.30	15.0	0.120	0.140	S SW N	20% 70% 10%	6.5 7.5 3.7

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Dust and  
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 No. 147  
 Table of  
 sulphur  
 dioxide  
 and wind  
 readings  
 taken by  
 Dr. Katz  
 29th Apr.,  
 1947 to 14th  
 Nov., 1947

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EXHIBIT No. 147

N.R.C. Recorder Station, St. Catharines

	April 29	17.00—17.30	0.03		
		17.30—18.00	0.04		
		18.00—18.30	0.03		
		18.30—19.00	0.03		
		19.00—19.30	0.03		
		19.30—20.00	0.03		
		20.00—20.30	Trace		
		20.30—21.00	0.03		
		21.00—21.30	0.03		
		21.30—22.00	0.03		
		22.00—22.30	0.02		
		22.30—23.00	0.03		
		23.00—23.30	Trace		
		23.30—24.00	0.03		
	April 30	0.00— 1.00	Trace		
		1.00— 4.30	Zero		
		4.30— 5.00	Trace		
20		5.00— 5.30	0.04		
		5.30— 6.00	0.03		
		6.00— 6.30	0.02		
		6.30— 8.30	Zero		
		8.30— 9.00	Trace	S	9.4
		9.00—10.00	Zero		
		10.00—15.00	No Record		
		15.00—15.30	0.02		
		15.30—16.00	Trace		
30		16.00—16.30	0.02		
		16.30—18.30	Trace		
		18.30—21.00	Zero		
		21.00—24.00	Zero		
	May 1	0.00— 5.30	Zero	S	5.8
		5.30— 6.00	Trace		
		6.00— 6.30	0.02		
		6.30— 7.00	0.04		
		7.00— 8.00	Trace		
		8.00—11.30	Zero		
		11.30—12.00	Trace		
40		12.00—12.30	Zero		
		12.30—13.00	0.02		
		13.00—13.30	Trace		
		13.30—15.30	Zero	S—N	5.8—6.0
		15.30—16.00	Trace	NE	10.5
		16.00—16.30	Zero		
		16.30—17.00	Trace		
		17.00—21.30	Zero	NE—E	10.5—16.0
		21.30—22.00	0.02		
		22.00—24.00	Zero		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

						<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
10	May 2	0.00— 0.30	Zero	E	7.5	
		0.30— 1.00	Trace			
	1.00— 7.30	No Record				
	7.30— 8.00	Zero				
	8.00— 8.30	Trace				
	8.30—10.00	Zero				
	10.00—10.30	Trace	W	3.0		
	10.30—12.00	Zero	W—S	3.0—8.0		
	12.00—12.30	Trace	S	8.0		
	12.30—13.00	Zero				
	13.00—13.30	Trace				
	13.30—14.00	Zero	NE	8.0		
	14.00—14.30	Trace				
14.30—20.00	Zero	NE—S	8.0—6.0			
20.00—21.30	Trace					
21.30—24.00	Zero					
20	May 3	0.00— 1.00	Trace	S	3.0	
		1.00— 9.00	Zero	S—NW	3.0—2.0	
		9.00— 9.30	0.03	NE	6.0	
		9.30—10.30	Trace			
		10.30—16.30	Zero	NE—N	6.0	
		16.30—17.00	Trace			
		17.00—19.00	Zero	SE	11.5	
		19.00—19.30	0.03			
		19.30—20.00	Zero			
		20.00—20.30	0.07			
		20.30—21.00	0.07	S	6.5	
		21.00—21.30	0.03			
		21.30—22.00	0.04			
22.00—22.30	0.04					
22.30—23.00	0.03	S	4.0			
23.00—23.30	0.04					
23.30—24.00	0.03					
40	May 4	0.00— 1.00	Trace	N	2.0	
		1.00— 1.30	0.03			
		1.30— 2.00	0.02			
		2.00— 3.00	Trace			
		3.00— 3.30	0.03			
		3.30— 4.00	0.05			
		4.00— 4.30	0.15			
		4.30— 5.00	0.08	S	5.0	
		5.00— 5.30	0.02			
		5.30— 6.00	0.04			
		6.00— 6.30	0.04			
		6.30— 7.00	0.04	S	4.0	
		7.00— 7.30	0.05			
7.30— 8.00	0.03					
8.00— 8.30	0.02					
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readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued

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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		8.30— 9.30	Trace	S	3.3
		9.30—10.30	Trace		
		10.30—11.00	Zero		
		11.00—11.30	Trace		
		11.30—12.00	0.03	E	6.0
		12.00—12.30	0.04		
		12.30—13.30	Trace	S	6.7
		13.30—18.00	Zero		
		18.00—20.00	Trace		
		20.00—20.20	Trace		
		20.20—20.30	0.19		
		20.30—21.00	0.24		
		21.00—21.30	0.04	SE	7.0
		21.30—22.00	0.03		
		22.00—22.30	0.03		
		22.30—23.00	0.02		
		23.00—23.30	0.02		
20		23.30—24.00	0.08		
	May 5	0.00— 0.30	0.02	S	7.0
		0.30— 1.00	0.08		
		1.00— 1.30	0.04		
		1.30— 2.00	Trace		
		2.00— 3.20	Zero	S	7.0—2.0
		3.20— 3.30	0.10	S	2.0
		3.30— 4.00	0.03	SE	2.0—3.0
		4.00— 5.30	Zero		
		5.30— 6.00	0.05		
30		6.00— 7.00	Trace	E—S	3.0—4.0
		7.00— 7.30	Zero	S	4.0
		7.30— 8.00	Trace		
		8.00— 8.30	Zero		
		8.30— 9.00	0.03	SW	9.0
		9.00— 9.30	0.03		
		9.30—10.00	0.03		
		10.00—10.30	0.04		
		10.30—11.00	0.03		
		11.00—11.30	0.05		
40		11.30—12.00	0.03		
		12.00—12.30	0.02		
		12.30—13.00	0.05		
		13.00—13.30	0.03		
		13.30—14.00	0.05		
		14.00—14.30	0.04		
		14.30—15.00	0.06		
		15.00—15.30	0.03	NW	8.8
		15.30—16.30	Trace		
		16.30—18.30	Zero		
50		18.30—19.00	0.03	W	5.7
		19.00—19.30	0.04		
		19.30—20.00	0.05		
		20.00—20.30	0.04		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		20.30—21.00	0.03		
		21.00—21.30	0.03		
		21.30—22.00	Trace	NW	6.0
		22.00—24.00	Zero		
May	6	0.00— 4.00	Zero	NW	6.2
		4.00— 4.30	0.02		
		4.30— 5.00	Trace	W	7.5
10		5.00— 6.00	Zero		
		6.00— 6.30	0.04		
		6.30— 7.00	0.04	W	8.0
		7.00— 7.30	0.05		
		7.30— 8.00	0.08		
		8.00— 8.30	0.08		
		8.30— 9.00	0.09	W	8.8
		9.00— 9.30	0.11		
		9.30—10.00	0.11		
20		10.00—10.30	0.06		
		10.30—11.00	0.12		
		11.00—11.30	0.06	SW	11.0
		11.30—12.00	0.04		
		12.00—12.30	0.04		
		12.30—13.00	0.04		
		13.00—13.30	0.05	SW	8.0
		13.30—14.00	0.07		
		14.00—14.30	0.06		
		14.30—15.00	0.05		
30		15.00—15.30	0.02	NW	12.0
		15.30—16.00	Trace		
		16.00—16.30	0.03		
		16.30—17.00	0.04		
		17.00—17.30	0.08		
		17.30—18.00	0.08	W	15.0
		18.00—18.30	0.03		
		18.30—19.00	0.02	W	15.0
		19.00—19.30	0.03		
		19.30—20.00	0.04	W	14.0
40		20.00—20.30	0.04		
		20.30—21.00	0.05		
		21.00—21.30	0.08		
		21.30—22.00	0.07	W	7.6
		22.00—22.30	0.03		
		22.30—23.00	0.06		
		23.00—23.30	0.03		
		23.30—24.00	0.03		
May	7	0.00— 0.30	0.02	W	6.0
		0.30— 1.00	0.03		
		1.00— 1.30	Trace		
50		1.30—11.00	Zero	NW	8.0

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EXHIBIT No. 147 (Continued)  
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		11.00—12.30	Trace		
		12.30—23.00	Zero	NW	8.0—13.4
		23.00—23.30	0.07	W	12.0
		23.30—24.00	0.06		
	May 8	0.00— 0.30	0.04	W	12.0
		0.30— 1.00	0.02		
		1.00— 6.00	Zero		
		6.00— 6.30	0.11		
		6.30— 7.00	0.10		
		7.00— 7.30	0.13		
		7.30— 8.00	0.11	NW	12.5
		8.00— 8.30	0.09		
		8.30— 9.00	0.09		
		9.00— 9.30	0.04		
		9.30—10.00	0.08		
		10.00—10.30	0.04		
		10.30—11.00	Zero		
20		11.00—11.30	Trace		
		11.30—12.00	Zero		
		12.00—12.30	0.03		
		12.30—16.30	Zero		
		16.30—18.00	Zero		
		18.00—18.30	0.02		
		18.30—22.00	Zero		
		22.00—22.30	Trace		
		22.30—23.00	0.04		
		23.00—23.30	0.03	W	10.0
30		23.30—24.00	Zero		
	May 9	0.00— 0.30	Trace	W	12.0
		0.30— 6.00	Zero	W—NW	12.0—11.0
		6.00— 6.30	Trace		
		6.30— 7.00	Trace		
		7.00—13.00	Zero		
		13.00—14.30	Trace		
		14.30—15.00	Zero		
		15.00—15.30	Trace	NW—N	11.0—7.0
		15.30—24.00	Zero	N	7.0
40	May 10	0.00—24.00	Zero	NW—W—SW	2.5—10.5
	May 11	0.00—24.00	Zero	SW—W—NW	6.0—10.5
	May 12	0.00— 5.30	Zero	S—SW	6.0
		5.30— 6.00	0.02	SW	10.0
		6.00— 6.30	Trace	SW	10.0
		6.30— 7.00	0.02	SW	12.0
		7.00— 7.30	0.01		
		7.30— 8.00	0.02		
		8.00— 8.30	Trace		
		8.30— 9.00	0.02	SW	14.0



EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		9.00— 9.30	Zero		
		9.30—10.00	0.06		
		10.00—10.30	0.04		
		10.30—11.00	0.03	SW	18.0
		11.00—11.30	0.04		
		11.30—12.00	0.03		
10		12.00—12.30	0.04		
		12.30—13.00	0.05		
		13.00—13.30	0.06		
		13.30—14.00	0.03		
		14.00—15.00	0.04		
		15.00—15.30	0.02		
		15.30—16.00	0.03		
		16.00—16.30	0.04		
		16.30—17.00	0.03		
		17.00—18.00	0.04		
		18.00—18.30	0.04		
20		18.30—19.00	0.03		
		19.00—19.30	0.03		
		19.30—20.00	0.04		
		20.00—20.30	0.03		
		20.30—21.00	0.03	SW	12.0
		21.00—21.30	0.03		
		21.30—22.00	0.04		
		22.00—22.30	0.05		
		22.30—24.00	Zero	SW	5.0
30	May 13	0.00— 7.30	Zero	SW	9.0
		7.30— 7.45	0.06	W	12.0
		7.45— 8.15	0.06	W—SW	12.0—10.0
		8.15— 8.45	Trace	SW	10.0
		8.45—11.30	Zero		
		11.30—11.45	0.04		
		11.45—12.15	0.03		
		12.15—12.45	0.04		
		12.45—13.15	Trace		
		13.15—13.45	0.04		
		13.45—14.15	0.04		
40		14.15—14.45	0.05		
		14.45—15.15	0.04		
		15.15—15.45	0.03		
		15.45—16.45	Trace		
		16.45—17.15	0.03		
		17.15—24.00	Zero	SW—E	10.0—14.0
	May 14	0.00—21.00	Zero	E—NE	11.0—23.0
		21.00—21.30	0.02	E	11.0
		21.30—22.30	Trace		
		22.30—24.00	Zero		

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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

20	May 15	0.00— 6.00	Zero	E—N	6.7—4.0
		6.00— 6.30	0.02	N	4.0
		6.30—14.30	Zero		
		14.30—15.00	0.02		
		15.00—15.30	0.04	NE	5.0
		15.30—16.00	Trace		
		16.00—16.30	0.03		
		16.30—17.00	0.04		
		17.00—18.00	Trace		
		18.00—19.00	0.02	SW	4.0
		19.00—19.30	Trace		
		19.30—20.00	Zero		
		20.00—21.00	Zero		
		21.00—21.30	0.03		
		21.30—22.00	0.06	S	6.0
		22.00—22.30	0.02		
		22.30—23.00	0.04		
		23.00—23.30	Trace		
		23.30—24.00	0.03		
		30	May 16	0.00— 0.30	Trace
0.30— 1.00	0.02				
1.00— 2.00	Trace				
2.00— 3.30	Trace				
3.30— 4.00	0.03				
4.00— 5.00	Zero				
5.00— 5.30	0.03				
5.30— 6.00	0.02				
6.00— 6.30	0.06				
6.30— 9.30	Zero				
9.30—10.30	Trace				
10.30—11.00	0.04				
11.00—11.30	0.05				
11.30—12.00	0.04				
12.00—12.30	Trace				
12.30—13.00	0.05				
13.00—24.00	Zero	NW—NE	9.0—5.0		
40	May 17	0.00—24.00	Zero	N—NE—E—SE—NW	2.0—13.0
					2.5—4.0
					2.5
40	May 18	0.00— 9.30	Zero	W—NW—N	2.5—4.0
		9.30—10.00	0.02	N	2.5
		10.00—11.00	Trace		
		11.00—11.30	0.02		
		11.30—12.00	0.02		
		12.00—12.30	Trace	W	7.
		12.30—13.00	0.03		
		13.00—14.00	Trace		
		14.00—24.00	Zero	NW—S	6.0—4.0

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

10	May 19	0.00— 5.00	Zero	S	3.5 In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued	
		5.00— 5.15	Zero			
	5.15— 5.30	0.11				
	5.30—11.15	Zero	S—SW	3.5—8.0		
	11.15—11.30	0.04				
	11.30—14.30	Zero				
	14.30—15.00	Trace				
	15.00—15.30	0.06				
	15.30—16.00	0.02				
	16.00—16.30	0.04				
	16.30—17.00	Zero				
	17.00—17.15	Zero				
	17.15—17.30	0.06				
	17.30—18.00	Trace				
20	May 20	18.00—24.00	Zero	SW—S	8.0—5.0	
		0.00— 8.00	Zero	SW	9.0	
	8.00— 8.30	Zero	SW	9.0		
	8.30— 9.00	0.03				
	9.00— 9.30	0.03				
	9.30—11.00	Zero	SW—NW	9.0—12.0		
	11.00—11.30	0.05	NW	12.0		
	11.30—12.00	0.03				
	12.00—12.30	0.04				
	12.30—13.00	0.07				
	13.00—13.30	Trace				
	13.30—14.00	Trace				
	14.00—14.30	0.06				
	30	May 21	14.30—15.00	0.03		
15.00—15.30			Trace			
15.30—21.00		Zero	NW—NE—E—S	12.0—2.0		
21.00—21.30		0.05				
21.30—22.00		0.08				
22.00—22.30		0.06				
22.30—23.00		0.03				
23.00—23.30		0.07				
23.30—24.00		0.07				
40		May 21	0.00— 0.30	0.04	E	8.0
			0.30— 1.00	0.06		
		1.00— 1.30	0.08			
		1.30— 2.00	0.07			
		2.00— 2.30	0.06			
	2.30— 3.00	0.02				
	3.00— 4.30	0.02				
	4.30— 5.30	Trace	SE	10.0		
	5.30— 8.00	Trace				
	8.00— 8.30	0.02				
	50	May 21	8.30— 9.00	0.04		
			9.00— 9.30	0.05		

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EXHIBIT No. 147 (Continued)  
 N.R.C. Recorder Station, St. Catharines

		9.30—10.00	0.07		
		10.00—10.30	0.06		
		10.30—11.00	Trace	SW	13.0
		11.00—11.30	Trace		
		11.30—12.00	0.03		
		12.00—15.00	Zero		
		15.00—15.30	0.04		
		15.30—16.00	0.04		
		16.00—16.30	0.03		
		16.30—17.00	Trace		
		17.00—24.00	Zero	NW—W	13.0—7.0
May 22		0.00— 6.00	Zero	W—S	4.0—4.5
		6.00— 6.30	0.03	S	4.5
		6.30— 7.30	Trace		
		7.30— 8.00	Zero	SW	5.5
		8.00— 9.00	0.02		
		9.00—11.00	Trace		
20		11.00—11.30	0.03		
		11.30—22.00	Zero	SW—S	5.5—5.0
		22.00—22.30	0.04		
		22.30—23.00	Trace		
		23.00—24.00	Zero		
May 23		0.00— 0.30	Trace	S	5.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.07		
		1.30— 2.00	0.06		
		2.00— 2.30	0.04		
30		2.30— 3.00	0.05		
		3.00— 4.00	Trace	S	5.0
		4.00— 4.30	0.03		
		4.30— 5.00	0.05		
		5.00— 5.30	0.02		
		5.30— 6.00	Trace		
		6.00— 6.30	0.02		
		6.30— 7.00	0.03		
		7.00— 8.00	0.02		
		8.00— 9.00	Trace	SW	11.5
40		9.00—10.00	0.02		
		10.00—10.30	0.04		
		10.30—11.00	0.04		
		11.00—11.30	0.02		
		11.30—12.00	0.04		
		12.00—12.30	0.02		
		12.30—13.00	0.04		
		13.00—13.30	0.04		
		13.30—14.00	0.06		
		14.00—14.30	0.04		
50		14.30—15.00	0.04		
		15.00—16.00	Trace		
		16.00—17.00	0.03		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		17.00—18.00	Trace			
		18.00—18.30	0.04			
		18.30—19.00	0.02			
		19.00—19.30	0.03			
		19.30—20.00	Trace	S		5.0
		20.00—24.00	Zero	S—NE		5.0—6.0
10	May 24	0.00— 9.30	Zero	NE—N		7.5—3.5
		9.30—10.30	0.02	NE—N		7.5—2.5
		10.30—24.00	Zero			
	May 25	0.00— 8.45	Zero	NW		3.0
		8.45— 9.15	0.03	SE		3.0
		9.15— 9.45	0.04	S		6.0
		9.45—10.15	0.02			
		10.15—10.45	0.02			
		10.45—11.15	0.03	SW		11.5
		11.15—11.45	Zero			
20		11.45—12.15	0.04			
		12.15—24.00	Zero	SW—NW		11.5—16.0
	May 26	0.00— 7.00	Zero	SW		16.0
		7.00— 7.30	Trace			
		7.30— 8.30	Trace			
		8.30—10.00	Zero			
		10.00—10.30	0.02			
		10.30—11.00	0.03			
		11.00—12.00	Zero			
30		12.00—13.00	0.02			
		13.00—13.30	0.02			
		13.30—14.00	0.04			
		14.00—14.30	0.04			
		14.30—15.00	0.04			
		15.00—15.30	0.05			
		15.30—16.00	0.09			
		16.00—16.30	0.04			
		16.30—17.00	0.02	SW		16.0
		17.00—17.30	0.02			
		17.30—18.00	0.03			
40		18.00—19.00	Trace	SW—NW		16.0—10.0
		19.00—19.30	Trace			
		19.30—24.00	Zero			
	May 27	0.00— 6.30	Zero	NW—W—SW		2.0—7.0
		6.30— 7.00	Trace	SW		7.0
		7.00— 7.30	Zero			
		7.30— 8.00	0.04			
		8.00— 8.30	0.04			
50		8.30— 9.00	0.02			
		9.00— 9.30	0.02			
		9.30—10.00	0.02			

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		10.00—10.30	0.02		
		10.30—11.00	0.07		
		11.00—11.30	0.04		
		11.30—12.00	Trace		
		12.00—13.00	Trace		
		13.00—13.30	Zero		
		13.30—14.00	0.02		
		14.00—14.30	Trace		
		14.30—15.30	Zero		
		15.30—16.00	0.02		
		16.00—21.00	Zero	SW—S	7.0—5.5
		21.00—21.30	0.02		
		21.30—22.00	0.03		
		22.00—23.00	Trace		
		23.00—24.00	Trace		
	May 28	0.00— 0.30	0.02	S	2.3
		0.30— 1.00	0.03		
20		1.00— 2.00	Trace		
		2.00— 3.00	Trace		
		3.00— 9.00	Zero	S—SW—N	2.3—3.0
		9.00— 9.30	Trace	N	3.0
		9.30—10.00	0.03		
		10.00—10.30	0.04		
		10.30—11.00	0.04		
		11.00—11.30	0.04		
		11.30—12.00	Trace		
		12.00—12.30	Trace		
30		12.30—13.00	0.02		
		13.00—14.00	0.02		
		14.00—14.30	0.02		
		14.30—15.30	Trace		
		15.30—16.00	0.02		
		16.00—17.00	Trace		
		17.00—17.30	Trace		
		17.30—18.00	Zero		
		18.00—18.30	0.06	NE	8.5
		18.30—20.00	Zero		
40		20.00—20.30	0.03		
		20.30—21.00	Trace		
		21.00—24.00	Zero		
	May 29	0.00— 5.00	Zero	NE—E	9.0—10.0
		5.00— 5.30	Trace		
		5.30— 7.30	Zero	E—SE	10.0—7.0
	May 29	7.30— 8.00	Trace	SE	7.0
		8.00— 8.30	0.02		
		8.30— 9.00	0.03	SE	7.0
		9.00— 9.30	0.07	S	6.0
50		9.30—10.00	0.07		
		10.00—11.00	0.02	SW	19.0
		11.00—12.00	Trace		

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		12.00—13.30	Zero		
		13.30—14.00	0.02		
		14.00—15.00	0.02		
		15.00—15.30	0.04		
		15.30—16.00	0.06		
		16.00—16.30	0.05		
		16.30—17.00	Trace	NW	21.0
10		17.00—18.30	Zero		
		18.30—19.00	Trace		
		19.00—19.30	Trace		
		19.30—20.00	Trace		
		20.00—20.30	Zero		
		20.30—21.00	0.02		
		21.00—22.00	Zero	NW—W	21.0—14.0
		22.00—22.30	Trace	W	14.0
		22.30—23.00	Zero		
20		23.00—23.30	Trace		
		23.30—24.00	0.02		
	May 30	0.00— 0.30	Zero	SW	10.0
		0.30— 1.00	Trace		
		1.00— 2.00	Zero		
		2.00— 3.00	Zero		
		3.00— 4.00	Trace		
		4.00— 4.30	Zero		
		4.30— 5.00	0.02		
		5.00— 5.30	Zero		
30		5.30— 6.00	0.02		
		6.00— 6.30	0.02		
		6.30— 7.00	0.05		
		7.00— 7.30	0.02		
		7.30— 8.00	0.04	W	12.0
		8.00— 8.30	0.07		
		8.30— 9.00	0.07		
		9.00— 9.30	0.06		
		9.30—10.00	0.06	NW	13.0
		10.00—10.30	0.06		
40		10.30—11.00	0.06		
		11.00—12.00	0.02		
		12.00—13.00	Zero		
		13.00—13.30	Trace		
		13.30—14.00	0.05		
		14.00—14.30	0.07	SW	11.5
		14.30—15.00	Trace		
		15.00—15.30	Zero		
		15.30—16.00	0.04		
50		16.00—17.00	Trace		
		17.00—17.30	0.02		
		17.30—18.00	0.02		
		18.00—19.00	0.02		
		19.00—20.00	0.02		

EXHIBIT No. 147 (Continued)  
 N.R.C. Recorder Station, St. Catharines

In the  
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 Table of  
 sulphur  
 dioxide  
 and wind  
 readings  
 taken by  
 Dr. Katz  
 29th Apr.,  
 1947 to 14th  
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 Continued

		20.00—22.00	Trace		
		22.00—22.30	0.02		
		22.30—23.30	Trace		
		23.30—24.00	Zero		
	May 31	0.00— 0.30	Trace	SW	8.0
		0.30— 8.15	Zero	SW—W	8.0—12.0
		8.15— 9.15	Trace	W	12.0
		9.15—24.00	Zero	W—SW	12.0
	June 1	0.00— 6.45	Zero	SW	8.0
		6.45— 9.15	Trace		
		9.15—10.15	Zero		
		10.15—10.45	0.02		
		10.45—11.15	Zero		
		11.15—13.15	Trace		
		13.15—13.45	0.02		
		13.45—16.45	Trace		
		16.45—17.45	Zero		
		17.45—18.15	0.04		
20		18.15—24.00	Zero	SW—S	8.0—4.0
	June 2	0.00— 2.00	Zero	SE	3.5
		2.00— 2.30	0.02		
		2.30— 3.00	Trace		
		3.00— 6.30	Zero	S	5.5
		6.30— 7.00	Trace		
		7.00— 8.00	0.02		
		8.00— 9.00	Trace		
		9.00—16.00	Zero	SW—NW—W—NE	3.0—13.0
		16.00—24.00	No Record	NE	13.0
30	June 3	0.00— 7.30	No Record	NE—N	5.5—12.0
		7.30—14.00	Zero	N—NW—NE	7.0—8.0
		14.00—15.00	Trace	NE	8.0
		15.00—24.00	Zero	NE—NW—N	8.0—4.0
	June 4	0.00— 1.00	Zero	N	4.0
		1.00— 2.00	Trace		
		2.00— 2.30	0.02	W	2.0
		2.30— 4.00	Zero		
		4.00— 5.00	Trace		
		5.00— 5.30	Zero		
40		5.30— 6.00	0.03		
		6.00— 6.30	0.03		
		6.30— 7.00	Zero		
		7.00— 7.30	0.02		
		7.30— 9.00	Trace		
		9.00—10.00	0.02	S	7.0
		10.00—11.00	0.04		
		11.00—11.30	Trace		
		11.30—12.00	0.02	NE	8.5
		12.00—12.30	Trace		
		12.30—13.00	Zero		



EXHIBIT No. 147 (Continued)  
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		13.00—14.00	Trace		
		14.00—17.30	Zero		
		17.30—18.00	0.02		
		18.00—19.00	Zero		
		19.00—20.00	0.02		
		20.00—22.30	Zero	NE—E	8.5—2.0
		22.30—23.00	Trace		
		23.00—24.00	Zero		
10	June 5	0.00— 5.00	Zero	NW—S	1.0—4.0
		5.00— 5.30	0.02	S	4.0
		5.30— 7.30	Zero		
		7.30— 8.00	Trace		
		8.00— 8.30	Zero		
		8.30— 9.30	Trace	SW	12.0
		9.30—10.00	Zero		
		10.00—12.00	0.02	S W	12.0
		12.00—13.00	0.02		
		13.00—13.30	Trace		
		13.30—14.00	Zero		
20		14.00—15.00	0.03		
		15.00—16.00	Trace		
		16.00—17.00	0.03		
		17.00—17.30	Trace		
		17.30—18.00	0.03		
		18.00—19.00	0.02		
		19.00—20.00	0.03		
		20.00—20.30	0.03		
		20.30—21.30	0.02		
		21.30—22.00	Zero		
30		22.00—22.30	Trace		
		22.30—23.00	0.02		
		23.00—23.30	0.03		
		23.30—24.00	Trace		
	June 6	0.00— 0.30	0.02	SW	8.5
		0.30— 1.00	Trace		
		1.00— 4.45	Zero		
		4.45— 5.15	0.02		
		5.15— 5.45	0.05		
		5.45— 6.15	0.05		
40		6.15— 6.45	0.06		
		6.45— 7.15	0.05		
		7.15— 7.45	0.04	SW—W	8.5—12.0
		7.45— 8.15	0.05		
		8.15— 8.45	0.05		
		8.45— 9.15	0.09	W—NW	12.0—10.0
		9.15— 9.45	0.10		
		9.45—10.45	0.02		
		10.45—11.45	Trace		
		11.45—12.15	0.02		
50		12.15—12.45	0.04		

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and wind  
readings  
taken by  
Dr. Katz  
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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		12.45—13.15	0.04	NW—SW	10.0—8.0
		13.15—14.15	Trace		
		14.15—15.15	0.02		
		15.15—16.15	0.02		
		16.15—17.15	0.02		
		17.15—18.15	Trace		
		18.15—18.45	Trace		
		18.45—19.15	Zero		
		19.15—19.45	Trace		
		19.45—22.15	Zero		
		22.15—23.15	0.02		
		23.15—24.00	Zero		
	June 7	0.00— 0.30	0.04	S	4.0
		0.30— 4.30	Zero		
		4.30— 5.00	Trace		
		5.00— 7.30	Zero	S—N	4.0—4.5
20		7.30— 8.00	0.05		
		8.00— 9.00	0.05	E	6.0
		9.00— 9.30	Trace		
		9.30—24.00	Zero	N—NW—E—W	3.0—8.0
	June 8	0.00—24.00	Zero	NE-NW-W-N-E-SE	3.0-12.0
	June 9	0.00— 1.45	Zero	SE	1.5
		1.45— 2.15	Trace		
		2.15— 2.45	0.04		
		2.45— 3.15	0.05	SE	1.5
		3.15— 3.45	0.03		
		3.45— 4.15	0.04		
30		4.15— 6.45	Trace		
		6.45— 7.15	0.02		
		7.15— 7.45	0.06		
		7.45— 8.15	0.09		
		8.15— 8.45	0.11	SE—S	1.5—4.0
		8.45— 9.15	0.05		
		9.15— 9.45	0.03	S—NE	4.0—8.5
		9.45—10.45	Trace		
		10.45—14.00	Trace		
		14.00—22.00	Zero	NE—E—W	8.5—4.0
40		22.00—22.30	Trace	W	4.0
		22.30—23.00	0.04		
		23.00—24.00	Zero		
	June 10	0.00— 7.45	Zero	NW—W—N	6.0—2.0
		7.45— 8.15	Trace	N	3.0
		8.15— 8.45	Zero		
		8.45— 9.45	Trace		
		9.45—10.15	Zero		
		10.15—10.45	Trace		
		10.45—11.30	0.03		
50		11.30—12.00	0.05	SW	11.0
		12.00—12.30	0.03		

EXHIBIT No. 147 (Continued)  
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	12.30—13.00	0.04		
	13.00—13.30	0.03		
	13.30—14.00	0.02		
	14.00—14.30	0.05		
	14.30—15.00	0.03		
	15.00—15.30	0.03		
	15.30—16.00	0.05		
10	16.00—16.30	0.06		
	16.30—17.00	0.04		
	17.00—17.30	0.04		
	17.30—18.00	0.04		
	18.00—18.30	0.02		
	18.30—19.30	Trace		
	19.30—20.00	Zero	S	4.0
	20.00—20.30	Trace		
	20.30—21.00	Zero		
20	21.00—23.30	Trace		
	23.30—24.00	Zero	SW	8.0
	June 11 0.00— 4.30	Zero	SW	13.0
	4.30— 7.30	Trace		
	7.30— 8.30	0.02		
	8.30— 9.30	0.02		
	9.30—10.00	0.03		
	10.00—10.30	0.04		
	10.30—11.00	0.03		
	11.00—12.00	0.03		
	12.00—12.30	Trace		
30	12.30—13.00	0.04	SW	13.0
	13.00—13.30	0.05		
	13.30—14.00	0.06		
	14.00—14.30	0.05		
	14.30—15.00	0.11		
	15.00—15.30	0.11		
	15.30—16.00	0.05		
	16.00—16.30	0.04		
			(Gray Iron Cupolas shut down until 5.00 a.m., June 13)	
40	16.30—17.00	0.04		
	17.00—17.30	0.02		
	17.30—18.00	0.04	SW	13.0
	18.00—18.30	0.03		
	18.30—19.00	0.02		
	19.00—20.00	Trace		
	20.00—20.30	0.02		
	20.30—21.00	0.05		
	21.00—21.30	Trace		
	21.30—22.00	0.02		
50	22.00—24.00	Zero		
			(Malleable Iron Cupola shut down until approximately 5.00 a.m., June 13)	

EXHIBIT No. 147 (Continued)  
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20	June 12	0.00—11.00	Zero	NW—N	6.5—8.0	
		11.00—12.30	Trace	N	8.0	
		12.30—23.00	Zero	N—NE	8.0—2.5	
		23.00—24.00	Trace	E	4.0	
	30	June 13	0.00— 7.00	Zero	E	4.0
			7.00— 8.00	Trace		
			8.00— 9.00	Trace		
			9.00—12.30	Zero	SE	12.0
			12.30—13.30	Trace	SE—NE	12.0—10.0
			13.30—21.00	Zero	NE—W	10.0—6.5
			21.00—22.00	0.02	W	6.5
			22.00—22.30	0.02		
			22.30—23.30	Trace	NE	3.5
23.30—24.00			Zero			
40	June 14	0.00— 1.00	Zero	E	2.5	
		1.00— 2.00	Trace			
		2.00— 3.30	Zero			
		3.30— 4.00	0.03	NW	3.0	
		4.00— 6.00	Zero			
		6.00— 7.00	Trace			
		7.00— 7.30	0.03			
		7.30— 8.00	0.03	SW	3.0	
		8.00— 8.30	0.04			
		8.30— 9.00	0.02			
		9.00— 9.30	Zero			
		9.30—14.30	Zero	W—NW—E	2.0—4.0	
		14.30—15.00	0.03	E	4.0	
		15.00—15.30	0.04	SW	11.0	
		50	June 15	15.30—16.00	0.02	
16.00—24.00	Zero					
0.00—24.00	Zero			SW—W	11.0—12.0	
40	June 16	0.00— 5.00	Zero	W—NW	6.0	
		5.00— 6.00	Trace	W	7.0	
		6.00— 6.30	0.06			
		6.30— 7.00	0.02			
		7.00— 7.30	0.06			
		7.30— 8.00	0.05			
		8.00— 8.30	0.07			
		8.30— 9.00	0.13			
		9.00— 9.30	0.07			
		9.30—10.00	0.05			
		10.00—10.30	0.05			
		10.30—11.00	0.08			
		11.00—11.30	0.04			
		11.30—12.00	0.04			
		12.00—12.30	0.04			
		12.30—13.00	0.06			
		13.00—13.30	0.05	NW	9.5	
		50	June 16	13.30—14.00	Trace	
14.00—23.30	Zero			NW—NE—SW	9.5—4.0	
23.30—24.00	Trace					

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

				<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of subphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>	
10	June 17	0.00— 0.30	0.03	NW	2.5
		0.30— 7.00	Zero	NW—SW	2.5—3.5
		7.00— 7.30	0.03	SW	3.5
		7.30— 8.00	0.04		
		8.00— 8.30	0.04		
		8.30— 9.00	0.02		
		9.00— 9.30	0.03		
		9.30—10.00	Trace		
		10.00—10.30	0.03		
		10.30—11.30	Trace		
		11.30—18.30	Zero	N	6.0
		18.30—19.30	Trace	W	5.0
		19.30—20.30	Trace		
		20.30—21.00	0.08		
		21.00—21.30	0.05		
		21.30—22.00	0.03		
20		22.00—23.00	0.06		
		23.00—23.30	0.03		
		23.30—24.00	0.05		
30	June 18	0.00— 1.00	Trace	W	3.0
		1.00— 1.30	0.02		
		1.30— 4.00	Zero		
		4.00— 4.30	Trace		
		4.30— 5.00	0.03		
		5.00— 5.30	0.02		
		5.30— 6.00	0.04		
		6.00— 6.30	0.04		
		6.30— 8.30	Zero	NW	6.0
		8.30—11.00	Trace	N	6.0
		11.00—18.30	Zero	NW—N	6.0
		18.30—19.00	0.02		
		19.00—21.30	Zero		
	21.30—23.00	Trace	NW	6.0	
	23.00—24.00	Zero			
40	June 19	0.00— 8.00	Zero	NW—N	5.0—5.5
		8.00— 8.30	Trace		
		8.30—15.45	No Record	NW	6.5
		15.45—24.00	Zero	NE—NW—SW	5.0—3.0
50	June 20	0.00— 4.00	Zero	NW—W	2.5—1.5
		4.00— 6.30	Trace		
		6.30— 7.30	0.02		
		7.30— 8.30	Zero	N	5.0
		8.30— 9.30	Trace		
		9.30—13.00	Trace		
		13.00—14.00	Trace		
		14.00—24.00	Zero	NE—E	10.0—7.5
50	June 21	0.00— 1.00	Zero	E	1.0
		1.00— 1.30	Trace		
		1.30— 2.00	Zero		
		2.00— 2.30	Trace		
		2.30— 3.00	Zero		

EXHIBIT No. 147 (Continued)  
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		3.00— 7.00	Zero	W	1.0
		7.00— 8.00	Trace	E	7.0
		8.00—23.30	Zero	NE—E—SE	13.0—6.0
		23.30—24.00	Trace		
	June 22	0.00— 1.30	Trace	SE	2.0
		1.30— 6.00	Zero	SE—SW	2.0
		6.00— 6.30	Trace	SW	2.0
		6.30— 8.00	Zero		
		8.00— 8.30	Trace		
		8.30— 9.30	Trace		
		9.30—10.00	0.02	N	5.5
		10.00—10.30	0.02		
		10.30—12.30	Trace		
		12.30—23.30	Zero	N—NW	5.5—2.0
		23.30—24.00	Trace		
	June 23	0.00— 1.30	Zero	SW	2.5
		1.30— 3.30	Trace		
20		3.30— 4.30	0.02		
		4.30— 5.00	0.02		
		5.00— 5.30	0.03	SW	2.5
		5.30— 6.00	0.04		
		6.00— 6.30	0.04		
		6.30— 7.00	0.09		
		7.00— 7.30	0.11		
		7.30— 8.30	Trace	N	5.0
		8.30— 9.30	Trace		
		9.30—16.30	Zero	NE	7.0
30		16.30—17.00	Trace	N	4.0
		17.00—24.00	Zero	N—W	1.0—4.0
	June 24	0.00— 1.00	Zero	N—W	2.5
		1.00— 2.00	Trace		
		2.00— 3.00	Trace		
		3.00— 3.30	0.02		
		3.30— 4.00	0.03		
		4.00— 4.30	0.04		
		4.30— 5.00	0.05	SW	6.5
		5.00— 5.30	0.05		
40		5.30— 6.00	0.03		
		6.00— 6.30	0.02		
		6.30— 7.00	0.04		
		7.00— 8.00	0.02		
		8.00— 9.00	0.02		
		9.00—10.00	Trace		
		10.00—10.30	0.03		
		10.30—11.00	0.07		
		11.00—11.30	0.10		
		11.30—12.00	0.11	NW	7.0
50		12.00—13.00	Trace		
		13.00—16.45	Zero		

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		15.45—16.15	0.02		
		16.15—17.15	Trace		
		17.15—20.15	Zero		
		20.15—20.45	0.02	NW—W	7.0—6.5
		20.45—21.45	Trace	NW	6.5
		21.45—22.15	0.02		
		22.15—23.15	Zero	W—SW	6.5—4.5
10		23.15—24.00	Trace		
	June 25	0.00— 3.00	Zero	SW	5.5
		3.00— 3.30	Trace		
		3.30— 4.30	Zero		
		4.30— 5.30	Trace		
		5.30— 6.00	Zero		
		6.00— 6.30	Trace		
		6.30— 7.00	0.04		
		7.00— 7.30	0.04		
		7.30— 8.00	0.08		
20		8.00— 8.30	0.09	W	9.0
		8.30— 9.00	0.08		
		9.00— 9.30	0.13		
		9.30—10.00	0.08		
		10.00—10.30	0.05	NW	11.0
		10.30—11.30	Trace		
		11.30—12.00	0.05		
		12.00—12.30	0.02		
		12.30—13.00	0.02		
		13.00—13.30	0.04	SW	9.0
30		13.30—14.00	Trace		
		14.00—14.30	0.03		
		14.30—15.00	0.02		
		15.00—16.30	Trace		
		16.30—17.00	0.02		
		17.00—17.30	0.03		
		17.30—18.00	0.03		
		18.00—19.00	Trace		
		19.00—19.30	Zero		
		19.30—20.30	Trace		
40		20.30—22.00	Trace		
		22.00—23.00	Zero		
		23.00—23.30	Trace		
		23.30—24.00	Zero		
	June 26	0.00— 3.00	Zero	SW	3.0
		3.00— 3.30	0.03	W—S	5.5—4.0
		3.30— 7.30	Zero		
		7.30— 8.00	Trace	S	4.0
		8.00— 8.30	0.03		
		8.30—10.00	Zero		
50		10.00—10.30	0.02		
		10.30—11.00	Zero		
		11.00—11.30	0.02		
		11.30—12.30	Trace	SW	8.0

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		12.30—13.00	0.02		
		13.00—13.30	0.03		
		13.30—14.00	0.03		
		14.00—14.30	0.04		
		14.30—15.00	0.02		
		15.00—15.30	0.02		
		15.30—16.00	0.04		
		16.00—17.00	0.03		
		17.00—17.30	0.03		
		17.30—19.00	Trace		
		19.00—19.30	Trace		
		19.30—20.00	Zero		
		20.00—20.30	Trace		
		20.30—24.00	Zero		
	June 27	0.00— 5.30	Zero	SW—S	2.0—2.5
		5.30— 7.30	Trace		
		7.30— 8.30	0.02	SW	6.0
20		8.30— 9.30	0.02		
		9.30—10.00	Trace		
		10.00—10.30	0.02		
		10.30—11.00	0.02		
		11.00—11.30	0.03		
		11.30—12.00	0.03		
		12.00—12.30	0.03		
		12.30—13.00	0.04		
		13.00—13.30	0.03		
		13.30—14.30	0.02		
30		14.30—15.00	Trace		
		15.00—15.30	0.02		
		15.30—16.30	Trace		
		16.30—17.00	Zero		
		17.00—18.00	Trace		
		18.00—19.00	Trace		
		19.00—20.30	Zero	S	4.0
		20.30—21.00	0.03		
		21.00—21.30	0.02		
		21.30—24.00	Trace		
40	June 28	0.00— 0.30	0.02	S	4.0
		0.30— 1.00	Trace		
		1.00— 1.30	0.02		
		1.30— 2.00	Trace		
		2.00— 5.00	Trace		
		5.00— 5.30	0.02		
		5.30— 6.00	Trace		
		6.00— 6.30	0.03		
		6.30— 7.00	0.04		
		7.00— 7.30	0.03		
50		7.30— 8.30	Trace	S—SW	4.0—6.0



EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		8.30— 9.00	Trace	SW	6.0	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		9.00— 9.30	0.03			
		9.30—10.00	0.02			
		10.00—10.30	0.03			
		10.30—11.30	Trace			
		11.30—12.30	Trace			
		12.30—14.00	Zero			
		14.00—15.00	Trace			
10		15.00—24.00	Zero	SW—S	6.0—3.5	
	June 29	0.00— 3.30	Zero	S—SW	4.0—2.5	
		3.30— 5.00	Trace	SW	2.5	
		5.00— 6.00	0.02	SW—S	2.5—4.0	
		6.00— 7.00	0.02	S	4.0	
		7.00— 8.00	0.02			
		8.00— 9.00	Trace			
		9.00—14.00	Trace	SW	6.0	
		14.00—24.00	Zero			
20	June 30	0.00— 6.00	Zero	SW	4.0	
		6.00— 6.30	Trace	S	6.0	
		6.30— 8.30	Zero	W—NW	6.0—4.0	
		8.30— 9.00	Trace	N		
		9.00—24.00	Zero	N—SW	6.0—4.0	
	July 1	0.00— 5.30	Zero	S	5.0	
		5.30— 6.00	Trace			
		6.00— 7.00	Zero			
		7.00— 9.00	Trace	S—SW	5.0—9.0	
		9.00—11.00	Trace	SW—W	9.0—12.5	
30		11.00—24.00	Zero	W—NW—SW	12.5—4.0	
	July 2	0.00— 7.15	Zero	S—SW	2.5—4.0	
		7.15— 7.45	Trace	SW—NW	4.0—9.0	
		7.45— 8.15	Zero	NW	9.0	
		8.15— 8.45	0.02			
		8.45— 9.15	Zero			
		9.15— 9.45	0.02			
		9.45—10.15	0.03			
		10.15—11.45	Zero			
40		11.45—12.15	0.03			
		12.15—12.45	Trace			
		12.45—16.15	Zero	NW—N	9.0	
		16.15—24.00	Zero	N—NW—W	9.0—4.0	
	July 3	0.00— 5.15	Zero	W—SW	4.0—5.5	
		5.15— 7.15	Trace	SW	5.5	
		7.15— 7.45	Zero			
		7.45— 8.45	0.03	SW—W	5.5—6.0	
		8.45— 9.15	0.03			
		9.15— 9.45	0.05			
		9.45—10.15	0.04	W—NW	6.0—7.0	
50		10.15—10.45	0.02	NW	7.0	
		10.45—11.15	0.06			

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readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued

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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		11.15—11.45	0:02		
		11.45—12.15	0:03		
		12.15—14.15	Zero		
		14.15—14.45	0:03		
		14.45—15.15	0:02		
		15.15—15.45	Trace		
		15.45—24.00	Zero	NW—SW	7.0—2.0
	July 4	0.00— 5.00	Zero	SW	2.5
		5.00— 7.30	Trace		
		7.30— 8.00	0:02		
		8.00— 9.00	Trace		
		9.00—10.00	Zero	SW—NW	2.5—6.0
		10.00—10.30	Trace	NW	6.0
		10.30—16.00	Zero		
		16.00—16.30	Trace		
		16.30—17.00	0:03	SW	7.0
		17.00—18.00	Trace		
20		18.00—18.30	0:02		
		18.30—19.30	Zero		
		19.30—20.30	Trace		
		20.30—21.30	0:02		
		21.30—24.00	Zero		
	July 5	0.00—10.00	Zero	SW—S	4.0—5.5
		10.00—11.00	Trace	S	5.5
		11.00—11.30	0:04		
		11.30—12.00	0:02		
		12.00—12.30	0:03		
30		12.30—13.00	Trace		
		13.00—13.30	0:02		
		13.30—24.00	Zero	S—SW	5.5—6.5
	July 6	0.00— 6.45	Zero	SW—S	5.5—5.0
		6.45— 7.15	Trace	S	5.0
		7.15— 8.45	Zero		
		8.45— 9.45	Trace	S—SW	5.0—9.0
		9.45—10.15	0:02		
		10.15—11.15	Trace		
		11.15—13.15	Trace		
40		13.15—24.00	Zero	SW—S	9.0—5.0
	July 7	0.00—24.00	Zero	SW-NW-N-NE-E	4.0-14.5
	July 8	0.00— 2.30	Zero	N	6.0
		2.30— 4.30	Trace	N—NE	6.0—11.5
		4.30— 6.00	Zero		
		6.00— 6.30	Trace		
		6.30—24.00	Zero	NE—E	16.0—8.5
	July 9	0.00— 5.30	Zero	E—N	4.0
		5.30— 6.30	Trace	N	4.0
		6.30—24.00	Zero	NE—E	6.0—11.0
50	July 10	0.00— 5.30	Zero	E	3.0
		5.30— 6.30	Trace		
		6.30— 7.00	0:02	S	5.0

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		7.00— 8.00	Trace		
		8.00— 8.30	Trace	N	
		8.30—11.30	Zero	N—NE	6.0
		11.30—13.00	Trace	NE	7.5
		13.00—13.30	Zero		
		13.30—16.00	Trace		
		16.00—24.00	Zero	NE—W	7.5—3.0
10	July 11	0.00— 5.15	Zero	SW	4.5
		5.15— 5.45	0.02		
		5.45— 6.15	Trace		
		6.15— 6.45	0.03		
		6.45— 7.15	0.04		
		7.15— 7.45	Trace		
		7.45— 8.45	Zero		
		8.45— 9.15	Zero		
		9.15—10.15	Trace		
		10.15—10.45	0.02		
20		10.45—11.15	0.02		
		11.15—12.15	Zero		
		12.15—13.15	Trace		
		13.15—13.45	0.04		
		13.45—14.15	0.04		
		14.15—14.45	Trace	SW—S	5.0
		14.45—15.15	Zero	S	5.0
		15.15—16.15	Trace		
		16.15—16.45	0.02	S—NE	5.0—4.5
		16.45—17.45	Trace		
30		17.45—18.15	Zero		
		18.15—18.45	Trace		
		18.45—20.15	Zero		
		20.15—20.45	0.05		
		20.45—21.15	0.06		
		21.15—22.45	Trace		
		22.45—23.15	0.03		
		23.15—24.00	Zero		
	July 12	0.00— 0.30	Zero	S	4.0
		0.30— 1.00	Trace		
40		1.00— 1.30	0.02	SW	5.0
		1.30—24.00	Zero	SW—W—NW	3.0—6.0
	July 13	0.00—24.00	Zero	SW	5.0
	July 14	0.00— 3.00	Zero	SW—S	5.5—6.0
		3.00— 3.30	Trace	S	6.0
		3.30— 4.00	Zero		
		4.00— 4.30	Trace		
		4.30— 5.00	Zero		
		5.00— 5.30	0.02		
		5.30— 7.00	Trace		
50		7.00— 7.30	0.02		
		7.30— 8.30	Trace		

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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		8.30—12.00	Trace	S—SW	6.0—7.0
		12.00—13.00	Zero	SW	7.0
		13.00—16.00	Trace	S—NE	6.5—4.0
		16.00—22.00	Zero	NE—W	4.0
		22.00—22.30	0.04	SE	5.0
		22.30—23.00	0.03		
		23.00—23.30	0.03		
		23.30—24.00	0.09		
July	15	0.00— 0.30	0.04	NW	7.0
		0.30— 2.00	Zero	NW—E	7.0
		2.00— 2.30	Trace	S	5.0
		2.30— 3.00	0.08		
		3.00— 3.30	Trace	SW	13.0
		3.30— 3.45	No Record		
		3.45— 5.15	Zero	S	3.5
		5.15— 5.30	Zero		
		5.30— 5.45	0.20		
20		5.45— 6.15	0.12		
		6.15— 6.45	0.07		
		6.45— 7.15	0.06	S—SE	3.5—4.5
		7.15— 7.45	0.05		
		7.45— 8.15	0.07		
		8.15— 8.45	0.18	Noticeable odour from Paper Mills	
		8.45— 9.15	0.09	SE—S	4.5—5.0
		9.15— 9.45	0.03		
		9.45—10.15	0.02		
		10.15—11.45	Trace		
30		11.45—12.15	0.02	S—NE	5.0—7.5
		12.15—13.15	Trace		
		13.15—14.15	Trace		
		14.15—14.45	Zero	NE—E	7.5—9.0
		14.45—15.15	Trace		
		15.15—16.45	Zero		
		16.45—24.00	No Record	E—SE—N—W	9.0—3.0
July	16	0.00— 7.30	No Record	E—SE—S	4.5—2.0
		7.30— 7.45	0.08	S	3.5
		7.45— 8.45	0.02		
40		8.45— 9.45	0.02	S—N	3.5—3.0
		9.45—10.45	Trace	N—NE	3.0—6.5
		10.45—11.15	Trace		
		11.15—11.45	0.03		
		11.45—12.45	0.02		
		12.45—13.45	Trace		
		13.45—16.00	Zero	NE—E	6.5—3.5
		16.00—16.30	Trace	E	3.5
		16.30—24.00	Zero	E—N	3.5—3.0
July	17	0.00— 8.15	Zero	N—W—NW	1.0—4.5
50		8.15— 9.15	0.02	W	4.5

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		9.15—11.15	Zero	W—N	4.5
		11.15—11.45	Trace		
		11.45—24.00	Zero	N—SW	4.5
July	18	0.00— 8.00	Zero	SW	8.0
		8.00—11.00	Trace		
		11.00—11.30	0.03		
10		11.30—12.00	0.02		
		12.00—12.30	0.03		
		12.30—13.00	0.02		
		13.00—13.30	0.03		
		13.30—15.00	0.02		
		15.00—15.30	0.03		
		15.30—16.00	0.06		
		16.00—16.30	0.03		
		16.30—17.00	0.04		
		17.00—17.30	0.03		
		17.30—18.00	Trace		
20		18.00—18.30	0.03	NW	8.0
		18.30—19.00	Zero		
		19.00—19.30	Trace		
		19.30—20.00	Zero		
		20.00—20.30	Trace	W	5.0
		20.30—21.00	0.02		
		21.00—24.00	Zero	W—SW	5.0—4.0
July	19	0.00—24.00	Zero	W—NW—N	4.0—11.0
July	20	0.00— 1.45	Zero	W	4.0
		1.45— 3.15	Trace		
30		3.15— 8.45	Zero	W—SW	4.0—7.5
		8.45— 9.45	Trace	SW	7.5
		9.45—24.00	Zero	SW—S	7.5—5.0
July	21	0.00— 0.30	Zero	S	5.5
		0.30— 3.30	Trace		
		3.30— 7.30	Zero		
		7.30— 8.30	Trace	S—W	5.5—6.5
		8.30— 9.00	0.03	W	6.5
		9.00— 9.30	Trace	W	3.5
		9.30—24.00	Zero	W—N—NE—NW	3.5—9.0
40	July	0.00— 7.00	Zero	N—NE	8.0—11.5
		7.00— 7.30	Trace	NE	11.5
		7.30—11.80	Zero		
		11.30—14.30	Trace		
		14.30—23.00	Zero	NE—NW	11.5—12.5
		23.00—23.30	Trace	NW	12.5
		23.30—24.00	Zero		
July	23	0.00— 1.00	0.02	W	14.0
		1.00— 6.00	Zero	W—NW	14.0
		6.00— 6.30	0.14	NW	14.0
50		6.30— 7.00	0.17	W	14.0
		7.00— 7.30	0.19		
		7.30— 8.00	0.12		

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## EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		8.00— 8.30	0.13	W	13.0
		8.30— 9.00	0.09		
		9.00— 9.30	0.14		
		9.30—10.00	0.12		
		10.00—10.30	0.13		
		10.30—11.00	0.13		
		11.00—11.30	0.13		
		11.30—12.00	0.16		
		12.00—12.30	0.17		
		12.30—13.00	0.13		
		13.00—13.30	0.16		
		13.30—14.00	0.11		
		14.00—14.30	0.11		
		14.30—15.00	0.05		
		15.00—15.30	0.06		
		15.30—16.00	0.10		
		16.00—16.30	0.13		
20		16.30—17.00	0.04		
		17.00—18.00	Zero		
		18.00—18.30	0.04		
		18.30—19.00	0.05		
		19.00—19.30	0.06		
		19.30—20.00	0.08		
		20.00—20.30	0.08		
		20.30—22.30	Zero	W—SW	13.0—8.0
		22.30—23.00	Zero	SW	8.0
		23.00—23.30	0.02		
30		23.30—24.00	Trace		
	July 24	0.00— 0.30	Trace	SW	7.0
		0.30— 5.00	Zero		
		5.00— 6.00	Trace		
		6.00— 6.30	0.04		
		6.30— 7.00	Trace		
		7.00— 7.30	0.04	W	10.5
		7.30— 8.00	0.02		
		8.00— 8.30	0.05		
		8.30— 9.00	0.04		
40		9.00— 9.30	0.04		
		9.30—10.00	0.11		
		10.00—10.30	0.07		
		10.30—11.00	0.05		
		11.00—11.30	0.10		
		11.30—12.00	0.14		
		12.00—12.30	0.12		
		12.30—13.00	0.13		
		13.00—13.30	0.11		
		13.30—14.00	0.16		
50		14.00—14.30	0.11		
		14.30—15.00	0.07		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

				<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>	
		15.00—15.30	0.04	SW	8.0
		15.30—16.00	0.04		
		16.00—16.30	0.02		
		16.30—17.00	0.02		
		17.00—17.30	0.02		
		17.30—19.30	Trace		
		19.30—22.00	Zero		
10		22.00—22.30	Trace		
		22.30—24.00	Zero		
	July 25	0.00— 2.00	Zero	SW	4.5
		2.00— 2.30	Trace		
		2.30— 4.00	Zero		
		4.00— 5.30	Trace		
		5.30— 6.00	Zero		
		6.00— 6.30	0.06	W	7.5
		6.30— 7.00	0.06		
		7.00— 7.30	0.02		
20		7.30— 8.00	0.02		
		8.00— 8.30	0.03		
		8.30— 9.00	0.04		
		9.00— 9.30	0.05		
		9.30—10.00	0.06		
		10.00—10.30	0.06		
		10.30—11.00	0.06		
		11.00—11.30	0.08		
		11.30—12.00	0.07		
		12.00—13.00	Trace	NW	7.0
30		13.00—13.30	0.05		
		13.30—15.00	Zero		
		15.00—15.30	0.02	SW	7.0
		15.30—17.00	Trace	SW—S	7.0—3.5
		17.00—24.00	Zero		
				McKinnon Industries Plant closed down for inventory from 5.00 p.m., July 25, to 7.00 a.m., August 11, 1947. Atmos- pheric measurements were continued.	
	July 26	0.00— 2.45	Zero	S	4.5
		2.45— 7.15	Trace		
40		7.15— 8.15	0.02	S—SW	4.5—11.0
		8.15—11.15	Trace	SW	11.0
		11.15—12.15	0.02		
		12.15—13.15	0.02		
		13.15—15.15	Trace		
		15.15—24.00	Zero		
	July 27	0.00— 6.45	Zero	SW	10.5
		6.45— 8.15	Trace		
		8.15— 8.45	Zero		
		8.45— 9.15	Trace		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

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		9.15—15.45	Zero	SW—W—SE	10.5—4.0
		15.45—16.15	Trace	SE	6.5
		16.15—16.45	0.03	SE—SW	6.5—8.5
		16.45—17.15	Trace		
		17.15—24.00	Zero	SW—NW	8.5—9.5
July	28	0.00—24.00	Zero	NW—W—SW	7.5—4.0
July	29	0.00—24.00	Zero	SW—S—NW—W	3.0—7.5
July	30	0.00— 2.45	Zero	S	4.0
		2.45— 3.15	Trace	S—SW	4.0—16.0
		3.15— 7.45	Zero	SW	16.0
		7.45— 9.15	Trace		
		9.15—24.00	Zero		
July	31	0.00— 4.00	Trace	SW—W	15.0—10.0
		4.00—23.30	Zero	NW—W—N	5.5—13.0
		23.30—24.00	Trace	N	13.0
Aug.	1	0.00— 0.30	Zero	N	6.0
		0.30— 1.30	Trace		
20		1.30— 2.30	0.02	N—NE	6.0—2.0
		2.30— 3.00	0.02	NE	2.0
		3.00— 3.30	Trace		
		3.30— 4.00	0.02		
		4.00— 4.30	Zero		
		4.30— 5.00	0.02		
		5.00— 6.45	Zero	NE—W	2.0—3.5
		6.45— 7.15	0.02	W	3.5
		7.15— 8.45	Trace	W—N	3.5—6.0
		8.45— 9.15	0.02	N	6.0
30		9.15— 9.45	Zero		
		9.45—10.15	Trace		
		10.15—20.45	Zero	N—NE—E	7.0—4.0
		20.45—21.15	0.05	E	4.0
		21.15—24.00	Zero	E—SW	4.0—2.5
Aug.	2	0.00— 2.45	Zero	SW	2.0
		2.45— 3.15	Trace		
		3.15— 4.45	Zero		
		4.45— 5.15	Trace		
40		5.15— 6.15	Trace		
		6.15— 6.45	Zero	SW—S	2.0—3.5
		6.45— 7.15	0.03	S	3.5
		7.15— 7.45	0.03		
		7.45—24.00	Power Off	S-SW-NE-E-SE	8.5-2.5
Aug.	3	0.00—17.00	Power Off	NW-SW-N-NE	2.0-7.5
		17.00—17.30	Zero	NE	7.5
		17.30—18.00	Trace		
		18.00—18.30	Zero	E	3.0
		18.30—19.00	Trace		
		19.00—19.30	Zero		
50		19.30—20.00	Trace		
		20.00—24.00	Zero	E	3.0
Aug.	4	0.00— 2.45	Zero	E	2.0
		2.45— 4.15	Trace		
		4.15— 4.45	Zero		



EXHIBIT No. 147 (Continued)  
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		4.45— 5.15	Trace		
		5.15— 6.45	Zero		
		6.45— 7.15	Trace		
		7.15— 8.45	Zero		
		8.45— 9.15	0.02		
		9.15— 9.45	0.02		
		9.45—10.15	Trace		
10		10.15—24.00	Zero	E—N	2.0—7.0
	Aug. 5	0.00—24.00	Zero	N—NE—E	9.5—3.0
	Aug. 6	0.00—24.00	Zero	SE—NW—N—NE	2.0—5.5
	Aug. 7	0.00—24.00	Zero	NW—S—NE	2.0—6.0
	Aug. 8	0.00— 8.00	Zero	S—SW	6.0—5.5
		8.00—24.00	Zero	NW—NE	2.0—5.0
	Aug. 9	0.00—24.00	Zero	NW—N—NE—E	5.0—7.0
	Aug. 10	0.00—24.00	Zero	E—N—Calm	10.0—0
	Aug. 11	0.00— 7.00	Zero	E—NE	2.0—11.0
		7.00—24.00	Zero	S	3.0
				McKinnon Industries started operations	
20				7.00 a.m., August 11, 1947.	
	Aug. 12	0.00—10.00	Zero	SW	5.5
		10.00—10.30	Trace		
		10.30—11.30	Zero		
		11.30—13.00	Trace		
		13.00—13.30	0.04		
		13.30—24.00	Zero		
	Aug. 13	0.00— 9.00	Zero	S—SW	2.5—8.0
		9.00—11.30	Trace	SW	8.0
		11.30—12.00	0.02		
30		12.00—12.30	Trace		
		12.30—13.30	Zero		
		13.30—14.00	Trace		
		14.00—24.00	Zero		
	Aug. 14	0.00— 6.45	Zero	SW	9.0
		6.45—12.45	Trace		
		12.45—24.00	Zero		
	Aug. 15	0.00— 7.45	Zero	SW—W	6.0—3.5
		7.45— 9.45	Trace	SW	5.0
		9.45—10.15	0.05		
40		10.15—10.45	0.02	SW—NE	5.0—6.0
		10.45—12.15	Trace	NE	6.0
		12.15—20.00	Zero	NE—SE	6.0—2.5
		20.00—20.30	Trace	S	3.0
		20.30—21.00	0.03		
		21.00—21.30	0.03		
		21.30—22.00	0.02		
		22.00—23.00	0.02		
		23.00—24.00	Zero		
	Aug. 16	0.00—24.00	Zero	S—NE—E	3.0—12.0
50	Aug. 17	0.00—24.00	Zero	E—NE—W—NW	9.0—2.5

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	Aug. 18	0.00— 9.30	Zero	NW—W—SW—Calm	3.0—0
		9.30—10.00	0.03	NW	2.0
		10.00—10.30	0.03	SW	7.5
		10.30—11.00	0.03		
		11.00—12.00	0.02		
		12.00—12.30	0.02		
		12.30—13.00	0.06		
		13.00—13.30	0.03		
		13.30—14.00	0.04		
		14.00—14.30	0.04	SW	7.5
		14.30—15.00	0.02		
		15.00—15.30	Trace		
		15.30—16.00	0.02		
		16.00—17.00	Trace		
		17.00—18.30	Trace		
		18.30—19.00	0.02		
		19.00—22.00	Zero	SW—SE	7.5—6.0
20		22.00—22.30	0.04	S	4.0
		22.30—23.00	0.02		
		23.00—24.00	Trace		
	Aug. 19	0.00— 1.30	Trace	SW	3.0
		1.30— 7.15	Zero	NW—E—S	8.0—5.0
		7.15— 8.15	Trace	S—SW	5.0
		8.15— 8.45	0.02	SW	5.0
		8.45— 9.45	Trace		
		9.45—10.15	0.03		
		10.15—11.45	Trace	SW—NE	5.0—9.0
30		11.45—15.15	Zero	NE—E—S	9.0—3.0
		15.15—15.45	Trace	S—W	3.0—2.0
		15.45—18.15	Zero		
		18.15—18.45	Trace		
		18.45—19.15	0.05	S	2.0
		19.15—19.45	0.14		
		19.45—20.15	0.03		
		20.15—20.45	0.02		
		20.45—21.15	Trace		
		21.15—21.45	0.02		
40		21.45—22.45	Trace		
		22.45—23.15	0.03		
		23.15—23.45	Trace		
		23.45—24.00	Zero		
	Aug. 20	0.00— 1.15	Zero	S	1.5
		1.15— 2.45	Trace		
		2.45— 3.15	0.05		
		3.15— 3.45	0.06		
		3.45— 4.45	Trace		
		4.45— 7.15	Zero		
50		7.15— 7.45	Trace		
		7.45— 8.15	0.03		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		8.15— 8.45	0.04	S—E	1.5—8.5	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		8.45— 9.45	0.03	E	8.5	
		9.45—10.45	Trace			
		10.45—24.00	Zero	E—NE	9.0—7.0	
	Aug. 21	0.00— 6.15	Zero	E—SW	3.0—4.0	
		6.15— 7.15	0.02	SW	4.0	
		7.15— 8.15	0.02			
10		8.15— 8.45	0.03			
		8.45—10.45	Trace			
		10.45—11.15	0.02	SW—NW	4.0—7.0	
		11.15—12.15	Zero	NW—N	7.0—5.0	
		12.15—13.15	Trace	N	5.0	
		13.15—16.15	Zero			
		16.15—17.15	0.02	N—NE	5.0—6.0	
		17.15—17.45	Trace	NE	6.0	
		17.45—24.00	Zero	NE—E	6.0—3.0	
	Aug. 22	0.00— 8.15	Zero	E	6.0	
20		8.15— 8.45	0.02			
		8.45— 9.15	Trace			
		9.15—24.00	Zero	E—NE	10.5—4.0	
	Aug. 23	0.00— 5.30	Zero	E	2.0	
		5.30— 6.00	0.02			
		6.00— 6.30	0.02			
		6.30— 7.00	Zero			
		7.00— 8.30	Trace			
		8.30—11.30	Trace	S	2.5	
		11.30—24.00	Zero	S—N	2.0—4.0	
30	Aug. 24	0.00—24.00	Zero	S—SW—W	3.0—6.5	
	Aug. 25	0.00— 7.00	Zero	SW	4.5	
		7.00— 8.00	Trace			
		8.00— 8.30	0.02	W	6.0	
		8.30— 9.00	0.04			
		9.00— 9.30	0.07			
		9.30—10.00	0.03			
		10.00—10.30	Trace	NW	8.0	
		10.30—11.30	Trace			
		11.30—24.00	Zero	NW—N	8.0—4.5	
40	Aug. 26	0.00— 0.30	0.02	N	4.5	
		0.30— 3.00	Zero			
		3.00— 4.00	Trace			
		4.00— 4.30	0.02			
		4.30— 8.00	Zero	N—NE	4.5—10.0	
		8.00— 9.00	Zero	E	5.5	
		9.00—10.30	Trace			
		10.30—12.00	Zero			
		12.00—12.30	Trace			
		12.30—24.00	Zero	E—SE	5.5—4.0	
50	Aug. 27	0.00— 1.00	Zero	SE	2.0	
		1.00— 2.30	Trace			

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		2.30— 3.00	0.12		
		3.00— 3.30	0.02		
		3.30— 7.00	Zero		
		7.00— 8.00	Trace		
		8.00— 8.30	0.06		
		8.30— 9.00	0.04	E	8.5
		9.00— 9.30	0.02		
		9.30—10.30	Trace		
		10.30—23.00	Zero	NE—E	9.0—5.0
		23.00—23.30	0.04	SE—S	3.5—6.0
		23.30—24.00	0.14		
Aug. 28		0.00— 0.30	0.11	S	5.0
		0.30— 1.00	0.08		
		1.00— 1.30	0.08		
		1.30— 2.00	0.05		
		2.00— 3.00	0.02		
		3.00— 4.00	Trace		
20		4.00— 6.30	Zero		
		6.30— 7.30	0.02	SW	5.0
		7.30— 8.30	Zero		
		8.30— 9.00	0.03		
		9.00— 9.30	0.04		
		9.30—10.00	0.04	W	13.0
		10.00—10.30	0.07		
		10.30—11.00	0.04		
		11.00—11.30	0.05		
		11.30—12.00	0.05		
30		12.00—12.30	0.06		
		12.30—13.00	0.09		
		13.00—13.30	0.15		
		13.30—14.00	0.14		
		14.00—14.30	0.10		
		14.30—15.00	0.03	NW	8.0
		15.00—15.30	Trace		
		15.30—16.00	0.02		
		16.00—18.00	Trace		
		18.00—19.00	0.02		
40		19.00—19.30	0.02		
		19.30—24.00	Zero	NW—NE	8.0—11.0
Aug. 29		0.00— 5.00	Zero	NE	5.0
		5.00— 9.00	Trace	SE—E	3.0—9.0
		9.00—21.30	Zero	E	9.0
		21.30—23.30	Trace	SE	9.0
		23.30—24.00	0.06		
Aug. 30		0.00— 0.30	0.04	SE	6.0
		0.30— 1.00	0.07	S	3.0
		1.00— 1.30	0.05		
50		1.30— 2.00	0.09		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		2.00— 2.30	0.05			
		2.30— 3.00	0.03			
		3.00—13.00	Zero	SW—S—SW	3.7—14.5	
		13.00—15.00	Trace	SW	14.5	
		15.00—24.00	Zero	SW—NW	14.5—4.0	
	Aug. 31	0.00—24.00	Zero	NW-N-NE-E	6.5-8.5-2.0	
10	Sept 1	0.00— 4.45	Zero	SE	2.0	
		4.45— 5.45	Trace			
		5.45— 6.45	0.02			
		6.45— 7.45	0.02	S	4.0	
		7.45— 8.15	0.06			
		8.15— 8.45	0.06			
		8.45— 9.15	0.07			
		9.15— 9.45	0.03			
		9.45—10.15	Trace	SE	6.0	
		10.15—24.00	Zero	NE—E	10.—2.5	
	Sept. 2	0.00— 6.30	Zero	SW—S—NW	3.0—8.0—4.0	
20		6.30— 7.00	0.02	W	6.0	
		7.00— 8.30	Zero			
		8.30— 9.00	Trace			
		9.00— 9.30	0.14			
		9.30—10.00	0.15			
		10.00—10.30	0.16			
		10.30—11.00	0.07	NW	12.0	
		11.00—11.30	0.04			
		11.30—12.00	0.04			
		12.00—12.30	0.05			
30		12.30—13.00	0.11			
		13.00—13.30	0.13			
		13.30—14.00	0.14			
		14.00—14.30	0.07			
		14.30—15.00	0.09			
		15.00—15.30	0.11			
		15.30—16.00	0.08			
		16.00—16.30	0.13			
		16.30—17.00	0.08	W	11.0	
40		17.00—17.30	0.07			
		17.30—18.00	0.07			
		18.00—18.30	0.08			
		18.30—19.00	0.06			
		19.00—19.30	0.03			
		19.30—21.00	Trace			
		21.00—22.00	Zero	SW	4.0	
		22.00—22.30	Trace			
		22.30—23.00	Zero	W	6.0	
		23.00—23.30	Trace			
		23.30—24.00	0.05			
50	Sept. 3	0.00— 0.30	Trace	NW	4.0	
		0.30— 7.45	Zero	NW—W	3.5	
		7.45— 8.15	Trace			
		8.15— 9.15	0.02			

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		9.15—10.15	0.02		
		10.15—23.00	Zero	NW—SW—S	5.0—6.0—4.0
		23.00—24.00	Trace	S	4.0
Sept. 4		0.00— 7.45	Zero	S—N—W	3.0—2.5—2.0
		7.45— 8.15	0.02	NW	5.0
		8.15— 9.15	0.02		
		9.15— 9.45	Zero		
		9.45—10.15	Trace		
		10.15—10.45	0.02		
		10.45—11.15	0.02		
		11.15—12.15	Trace		
		12.15—20.15	Zero	NW—NE—E	5.0—4.0—2.0
		20.15—20.45	0.05	S	2.0
		20.45—21.45	Trace		
		21.45—24.00	Zero		
Sept. 5		0.00— 1.00	Trace	S	1.0
		1.00— 1.30	0.04		
20		1.30— 3.30	Trace		
		3.30— 4.00	0.03	E	4.0
		4.00— 4.30	0.05		
		4.30— 5.00	0.04		
		5.00— 5.30	0.03		
		5.30— 6.00	0.02		
		6.00— 6.30	Trace		
		6.30— 7.00	0.08	S	3.0
		7.00— 7.30	0.09		
		7.30— 8.00	0.18		
30		8.00— 8.30	0.16		
		8.30— 9.00	0.15		
		9.00— 9.30	0.07		
		9.30—10.00	0.06		
		10.00—10.30	0.04		
		10.30—11.00	0.06		
		11.00—11.30	0.05		
		11.30—12.00	0.05	E	6.0
		12.00—12.30	0.04		
		12.30—13.00	0.03		
40		13.00—13.30	0.02		
		13.30—14.00	0.03		
		14.00—15.00	0.02		
		15.00—15.30	Zero		
		15.30—17.00	Trace		
		17.00—21.30	Zero	SE	2.0
		21.30—22.30	Trace		
		22.30—23.00	0.11		
		23.00—23.30	0.06		
		23.30—24.00	Trace	Calm	
50	Sept. 6	0.00— 0.30	0.02	Calm	
		0.30— 1.00	Trace		
		1.00— 8.45	Zero	E	1.5

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 N.R.C. Recorder Station, St. Catharines

		8.45— 9.15	Trace		
		9.15— 9.45	0.02		
		9.45—10.45	0.02	NE	5.0
		10.45—12.15	Trace		
		12.15—24.00	Zero		
	Sept. 7	0.00—24.00	Zero	NE—S—W—N	
				NE—NW	2.0—6.0—2.5
10	Sept. 8	0.00—24.00	Zero	NW—E—NE—E	2.5—
					7.0—12.0—10.0
	Sept. 9	0.00— 7.30	Zero	SE	2.0
		7.30— 8.00	0.02		
		8.00— 8.30	0.03		
		8.30— 9.00	0.07		
		9.00— 9.30	0.06		
		9.30—10.00	0.07		
		10.00—10.30	0.04	SW	7.0
		10.30—18.30	Zero		
20		18.30—19.00	0.02	S	7.0
		19.00—21.30	Zero		
		21.30—22.00	0.02		
		22.00—23.30	Zero		
		23.30—24.00	Trace		
	Sept. 10	0.00— 7.30	Zero	S	6.5
		7.30— 8.30	Trace		
		8.30—21.00	Zero	SW	9.0
		21.00—21.30	0.02	S	9.0
		21.30—22.00	Trace		
		22.00—23.00	Zero		
30		23.00—23.30	Trace		
		23.30—24.00	0.02		
	Sept. 11	0.00—12.00	Zero	S—SW	10.0—8.5
		12.00—14.00	Trace	SW	8.5
		14.00—15.00	0.02		
		15.00—16.30	Trace		
		16.30—24.00	Zero		
	Sept. 12	0.00— 7.45	Zero	SW	7.5
		7.45— 8.15	Trace		
40		8.15— 8.45	0.04		
		8.45— 9.15	0.04		
		9.15— 9.45	0.03		
		9.45—10.15	0.05		
		10.15—10.45	0.04		
		10.45—11.15	0.04		
		11.15—12.00	0.04		
		12.30—13.00	0.02		
		13.00—13.30	0.03		
		13.30—14.00	0.05		
50		12.00—12.30	0.03	SW	7.5

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		14.00—14.30	0.04		
		14.30—15.00	0.07		
		15.00—15.30	0.04		
		15.30—16.00	Trace		
		16.00—17.30	Trace		
		17.30—24.00	Zero		
	Sept. 13	0.00— 1.00	Zero	SW	6.5
		1.00— 2.00	Trace		
		2.00— 2.30	0.02		
		2.30— 3.30	Zero		
		3.30— 4.30	Trace		
		4.30— 5.30	Zero		
		5.30— 6.30	0.02		
		6.30— 7.00	0.03		
		7.00— 9.00	Trace		
		9.00—24.00	Zero	SW	6.5
	Sept. 14	0.00— 9.00	Zero	SW	6.5
20		9.00—24.00	Zero	SW—S	6.5—5.0
	Sept. 15	0.00— 8.00	Zero	S	7.5
		8.00—10.30	Trace	SW	6.5
		10.30—11.00	0.02		
		11.00—11.30	Trace		
		11.30—24.00	Zero	NW—W	9.0—7.0
	Sept. 16	0.00— 7.00	Zero	W	7.5
		7.00— 7.30	Trace		
		7.30— 8.00	0.05		
		8.00— 8.30	0.02		
30		8.30— 9.00	0.04		
		9.00— 9.30	0.07		
		9.30—10.00	0.08		
		10.00—10.30	0.11		
		10.30—11.00	0.05		
		11.00—11.30	0.05	NW	11.0
		11.30—12.00	0.02		
		12.00—12.30	Zero		
		12.30—13.30	0.02		
		13.30—14.00	0.03		
40		14.00—15.00	0.02	W	8.0
		15.00—15.30	0.04		
		15.30—16.30	Zero		
		16.30—17.00	0.03		
		17.00—17.30	0.04		
		17.30—18.30	0.02		
		18.30—19.00	Trace		
		19.00—23.30	Zero	SW	3.0
		23.30—24.00	Trace		
	Sept. 17	0.00— 0.30	0.05	SW	2.0
50		0.30— 1.30	Trace		
		1.30— 2.30	0.03	S	5.0
		2.30— 3.00	0.07		



EXHIBIT No. 147 (Continued)  
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	3.00— 3.30	0.09		
	3.30— 4.00	0.05		
	4.00— 4.30	0.09		
	4.30— 5.00	0.09		
	5.00— 5.30	0.06		
	5.30— 6.00	0.07		
	6.00— 6.30	0.18		
10	6.30— 7.00	0.14		
	7.00— 7.30	0.13		
	7.30— 8.00	0.07	S	5.0
	8.00— 8.30	0.06		
	8.30— 9.00	0.03		
	9.00— 9.30	0.02		
	9.30—10.00	0.05		
	10.00—11.30	Trace		
	11.30—13.00	Zero		
	13.00—16.00	Trace		
20	16.00—20.00	Zero		
	20.00—20.30	Trace	S	6.0
	20.30—21.00	0.04		
	21.00—21.30	0.02		
	21.30—22.00	Trace		
	22.00—24.00	Zero		
Sept. 18	0.00— 5.00	Zero	S	5.0
	5.00— 5.30	Trace		
	5.30— 6.00	0.04		
	6.00— 6.30	0.02		
30	6.30— 8.00	Trace		
	8.00—11.00	Zero	SW	8.0
	11.00—12.30	Trace		
	12.30—13.00	0.04		
	13.00—13.30	0.03		
	13.30—14.30	0.04		
	14.30—15.00	0.04		
	15.00—16.00	Trace		
	16.00—24.00	Zero	SW	8.0
Sept. 19	0.00— 5.00	Zero	SW	6.5
40	5.00— 5.30	Trace		
	5.30— 6.00	0.05		
	6.00— 6.30	0.05		
	6.30— 7.00	0.02		
	7.00— 7.30	0.04		
	7.30— 8.00	0.04		
	8.00— 8.30	0.04		
	8.30— 9.00	0.05		
	9.00— 9.30	0.04		
	9.30—10.00	0.05	W	9.0
50	10.00—10.30	0.07		
	10.30—11.00	0.06		
	11.00—11.30	Trace		
	11.30—24.00	Zero	NE—E	8.0—14.0

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EXHIBIT No. 147 (Continued)

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	Sept. 20	0.00— 9.00	Zero	E		7.5
		9.00—11.30	Trace			
		11.30—24.00	Zero	NE—Calm		7.5
	Sept. 21	0.00— 1.00	Zero	S		9.5
		1.00— 1.30	Trace			
		1.30— 2.00	0.02			
		2.00— 3.00	Trace			
		3.00— 5.30	Zero			
		5.30— 6.00	Trace			
		6.00— 6.30	0.02			
		6.30— 7.00	0.02			
		7.00—24.00	Zero	SW—NW—N	16.0—11.0	
	Sept. 22	0.00—24.00	Zero	NW—W	8.0—15.7—6.0	
	Sept. 23	0.00— 8.00	Zero	SW—S		3.0
		8.00— 8.30	Trace	SW		12.5
		8.30— 9.30	Zero			
		9.30—10.00	Trace			
20		10.00—10.30	0.02			
		10.30—11.00	0.05			
		11.00—11.30	0.06			
		11.30—13.00	Trace			
		13.00—14.00	0.02			
		14.00—16.00	Trace	SW		12.5
		16.00—16.30	0.05			
		16.30—17.00	0.03			
		17.00—22.00	Trace	SW—W	12.5—5.0	
		22.00—24.00	Zero	W—SW		5.0
30	Sept. 24	0.00— 9.00	Zero	SW		6.5
		9.00—11.00	Trace			
		11.00—11.30	0.03			
		11.30—12.00	0.02			
		12.00—12.30	0.03			
		12.30—13.00	0.05			
		13.00—13.30	0.05	W		8.7
		13.30—14.00	0.07			
		14.00—14.30	0.07			
		14.30—15.00	0.02			
		15.00—15.30	0.07			
40		15.30—16.00	0.06			
		16.00—16.30	0.02			
		16.30—17.00	0.03			
		17.00—24.00	Zero	NE—N	10.0—6.0	
	Sept. 25	0.00— 3.30	Zero	N		9.5
		3.30— 4.00	0.02			
		4.00— 6.30	Zero	E		5.0
		6.30— 7.30	Trace			
		7.30—16.00	Zero	NE		10.0
		16.00—16.30	0.04			
50		16.30—17.00	Zero			
		17.00—17.30	Trace			

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

				<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		17.30—19.00	Zero	
		19.00—20.30	0.02	NE
		20.30—21.00	0.02	
		21.00—21.30	0.04	
		21.30—22.00	0.06	
		22.00—22.30	0.04	
		22.30—23.00	0.05	N
10		23.00—24.00	Trace	
	Sept. 26	0.00— 6.30	Zero	N
		6.30— 7.00	Trace	SW
		7.00— 8.30	Zero	
		8.30—11.30	Trace	NE
		11.30—24.00	Zero	NW—N—W—SW
	Sept. 27	0.00— 1.00	Trace	SW
		1.00— 3.00	Zero	N
		3.00— 3.30	0.03	
		3.30— 4.00	Zero	NE
20		4.00— 4.30	0.04	
		4.30— 5.00	0.02	
		5.00— 7.00	Zero	E
		7.00— 7.30	0.04	
		7.30— 8.00	0.03	
		8.00— 9.00	Trace	
		9.00—20.00	Zero	NE
		20.00—21.00	Trace	E
		21.00—21.30	0.06	SE
		21.30—22.00	0.07	
30		22.00—22.30	0.06	
		22.30—23.00	0.21	
		23.00—23.30	0.13	
		23.30—24.00	0.16	
	Sept. 28	0.00— 0.30	0.09	SE
		0.30— 1.00	0.05	
		1.00— 1.30	0.11	S
		1.30— 2.00	0.14	
		2.00— 2.30	0.09	
		2.30— 3.00	0.11	
40		3.00— 3.30	0.12	S
		3.30— 4.00	0.12	
		4.00— 4.30	0.13	
		4.30— 5.00	0.11	
		5.00— 5.30	0.08	
		5.30— 6.00	0.11	
		6.00— 6.30	0.08	
		6.30— 7.00	0.13	
		7.00— 7.30	0.07	
		7.30— 8.00	0.04	
		8.00— 9.00	Trace	
50		9.00—10.00	Trace	S
		10.00—10.30	0.02	

EXHIBIT No. 147 (Continued)  
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		10.30—11.00	0.05		
		11.00—11.30	0.02		
		11.30—18.30	Zero		
		18.30—19.30	0.02	E	4.0
		19.30—20.00	0.03	SE	4.0
		20.00—20.30	0.04		
		20.30—21.00	0.02		
		21.00—24.00	Zero	SW	8.0
	Sept. 29	0.00—11.00	Zero	SW	10.6
		11.00—14.30	Trace		
		14.30—15.00	0.04		
		15.00—15.30	0.02		
		15.30—16.00	Trace	NW	9.0
		16.00—22.30	Zero		
		22.30—23.00	Trace	NE	18.0
		23.00—23.30	0.02		
		23.30—24.00	0.03		
20	Sept. 30	0.00— 0.30	0.05	NE	13.0
		0.30— 1.00	0.03		
		1.00— 1.30	0.05		
		1.30— 2.00	0.04		
		2.00— 3.00	0.04		
		3.00— 3.30	Zero		
		3.30— 4.00	0.04		
		4.00— 4.30	0.05		
		4.30— 5.00	Trace		
		5.00— 7.30	Trace		
30		7.30— 8.00	0.02	NE	13.0
		8.00— 9.00	Trace		
		9.00—10.00	Trace		
		10.00—16.00	Zero	N	10.5
		16.00—16.30	Trace		
		16.30—17.00	Zero		
		17.00—21.00	Zero		
		21.00—22.30	Trace		
		22.30—23.30	0.04		
		23.30—24.00	Trace		
40	Oct. 1	0.00— 0.30	0.02	N	4.0
		0.30— 9.00	Zero	SW—W—SW	4.0—4.5
		9.00—10.00	Trace		
		10.00—11.00	0.04	W	9.5
		11.00—12.00	Trace		
		12.00—13.00	0.04		
		13.00—13.30	0.07		
		13.30—14.00	0.06		
		14.00—14.30	0.06		
		14.30—15.00	0.05		
50		15.00—15.30	0.04		
		15.30—16.00	0.03		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		16.00—17.30	Trace	W	9.5	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		17.30—20.00	Zero			
		20.00—23.00	Trace			
		23.00—24.00	Trace			
	Oct. 2	0.00— 2.00	Zero	W	10.0	
		2.00— 6.00	Trace			
		6.00— 6.30	0.03			
10		6.30— 7.30	0.02			
		7.30— 8.00	0.05			
		8.00— 8.30	0.08			
		8.30— 9.00	0.09			
		9.00— 9.30	0.05			
		9.30—10.00	0.02	NW	9.0	
		10.00—10.30	0.04			
		10.30—13.00	Trace			
		13.00—15.00	Zero			
		15.00—16.30	Trace	SW	4.0	
20		16.30—17.00	0.02			
		17.00—18.00	Trace			
		18.00—24.00	Zero	SW—S	4.0—3.0	
	Oct. 3	0.00— 4.00	Zero	S	3.5	
		4.00— 5.30	Trace			
		5.30— 6.00	0.04			
		6.00— 6.30	0.02			
		6.30— 7.00	0.04			
		7.00— 7.30	0.05			
		7.30— 8.00	0.05			
30		8.00— 8.30	0.04			
		8.30—11.30	No Record			
		11.30—13.00	Trace	SW	5.5	
		13.00—14.00	0.02			
		14.00—16.30	Trace			
		16.30—17.30	0.02	S	3.7	
		17.30—18.00	0.08			
		18.00—18.30	0.14			
		18.30—19.00	0.09			
		19.00—19.30	0.12			
40		19.30—20.00	0.10			
		20.00—20.30	0.12			
		20.30—21.00	0.09	S	3.7	
		21.00—21.30	0.08			
		21.30—22.00	0.04			
		22.00—22.30	0.04			
		22.30—23.00	0.03			
		23.00—23.30	0.06			
		23.30—24.00	0.03			

## EXHIBIT No. 147 (Continued)

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20	Oct. 4	0.00— 0.30	0.02	S	7.0
		0.30— 1.00	0.02		
		1.00— 2.00	0.02		
		2.00— 2.30	0.02		
		2.30— 3.00	0.04		
		3.00— 3.30	0.03		
		3.30— 4.00	Trace		
		4.00— 4.30	0.03		
		4.30— 5.00	0.03		
		5.00— 5.30	0.03		
		5.30— 6.00	0.04		
		6.00— 6.30	0.04	SW	
		6.30— 7.00	0.02		
		7.00— 7.30	0.04		
		7.30— 8.00	0.05		
		8.00— 8.30	0.03		
		8.30—11.30	Trace		
	11.30—17.00	Zero			
	17.00—17.30	Trace	S		
	17.30—18.00	0.03			
	18.00—18.30	0.05			
	18.30—19.00	0.02			
	19.00—19.30	Trace			
	19.30—20.00	Zero			
	20.00—20.30	0.02			
	20.30—21.00	0.03			
	21.00—21.30	0.04			
30		21.30—22.00	0.02	SW	8.5
		22.00—22.30	0.04		
		22.30—24.00	Trace		
40	Oct. 5	0.00— 9.00	Trace	SW	9.5
		9.00— 9.30	0.02		
		9.30—12.00	Trace		
50	Oct. 6	12.00—24.00	Zero	SW—S	9.5—4.5
		0.00— 0.30	Zero	S	
		0.30— 8.30	Trace	S—SW	6.0—8.5
		8.30— 9.30	0.02	SW	8.5
		9.30—10.00	0.03		
		10.00—10.30	0.03		
		10.30—11.00	0.02		
		11.00—11.30	0.04		
		11.30—12.00	0.05		
		12.00—12.30	0.02		
	12.30—13.00	0.03	SW	8.5	
	13.00—13.30	0.03			
	13.30—14.30	0.03			
	14.30—15.00	0.03			
	15.00—15.30	0.04			
	15.30—16.00	0.05			
	16.00—16.30	0.05			

EXHIBIT No. 147 (Continued)  
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		16.30—17.00	0.04		
		17.00—17.30	0.02		
		17.30—18.00	Trace		
		18.00—23.30	Zero		
		23.30—24.00	Trace		
10	Oct. 7	0.00— 5.00	Trace	SW	8.5
		5.00— 6.00	0.02		
		6.00— 7.00	Trace		
		7.00— 8.00	0.02		
		8.00— 8.30	0.03		
		8.30— 9.00	0.04		
		9.00— 9.30	Trace		
		9.30—10.00	0.03		
		10.00—11.00	0.02		
		11.00—12.30	0.02		
		12.30—13.00	0.05		
		13.00—13.30	0.03		
20		13.30—14.00	0.03		
		14.00—14.30	Trace	SW	8.5
		14.30—15.00	0.04		
		15.00—16.00	0.03		
		16.00—16.30	0.05		
		16.30—17.00	0.03		
		17.00—18.00	Trace		
		18.00—24.00	Zero		
30	Oct. 8	0.00— 4.30	Zero	SW	5.0
		4.30— 6.30	Trace		
		6.30— 7.00	0.02	N	8.5
		7.00— 7.30	Zero		
		7.30— 8.30	Trace		
		8.30— 9.30	0.03		
		9.30—10.00	Trace		
		10.00—12.00	Zero		
		12.00—12.30	Trace		
		12.30—13.00	Zero		
		13.00—13.30	Trace	NE	12.0
40		13.30—18.30	Zero		
		18.30—19.00	Trace		
		19.00—19.30	Zero		
		19.30—21.00	Trace		
		21.00—24.00	Zero	E	10.0
	Oct. 9	0.00— 6.30	Zero	E	7.0
		6.30— 7.00	Trace		
		7.00— 7.30	0.02		
		7.30— 8.00	Trace		
		8.00—11.00	Zero		
		11.00—11.30	0.02	NE	13.5
		11.30—12.00	Trace		
		12.00—18.30	Zero		

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		18.30—19.30	Trace	E	4.8
		19.30—20.00	0.02		
		20.00—20.30	0.04		
		20.30—21.00	0.03	E	4.8
		21.00—21.30	0.04		
		21.30—22.00	0.04		
		22.00—22.30	0.04		
		22.30—23.00	0.04		
		23.00—23.30	0.03		
		23.30—24.00	0.04		
	Oct. 10	0.00— 1.00	Trace	E	3.0
		1.00— 1.30	0.04		
		1.30— 2.00	0.02		
		2.00— 2.30	0.03		
		2.30— 3.30	Trace		
		3.30— 4.30	0.03		
		4.30— 8.00	Trace		
20		8.00— 8.30	0.06		
		8.30— 9.00	0.04		
		9.00—11.30	Trace		
		11.30—12.00	0.02	NE	9.0
		12.00—14.30	Zero		
		14.30—15.30	Trace		
		15.30—16.00	0.02		
		16.00—16.30	0.04		
		16.30—17.00	0.03		
		17.00—17.30	Trace		
30		17.30—18.00	Zero	E	4.5
		18.00—24.00	Trace	E—SE	4.5—2.0
	Oct. 11	0.00— 1.00	Trace	SE	1.5
		1.00— 1.30	0.03		
		1.30— 2.00	0.02		
		2.00— 3.00	Trace		
		3.00— 3.30	Zero		
		3.30— 4.00	0.02		
		4.00— 4.30	0.03		
		4.30— 5.00	0.03		
40		5.00— 5.30	0.05		
		5.30— 6.00	0.04		
		6.00— 6.30	0.06		
		6.30— 7.00	0.12	SE	1.5
		7.00— 7.30	0.11		
		7.30— 8.00	0.09		
		8.00— 8.30	0.16		
		8.30— 9.00	0.12		
		9.00— 9.30	0.13		
		9.30—10.00	0.08		
50		10.00—10.30	0.11		
		10.30—11.00	0.09	NE	4.0
		11.00—11.30	0.10		



EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

	11.30—12.00	0.08		
	12.00—12.30	0.06		
	12.30—13.00	0.06		
	13.00—13.30	0.02		
	13.30—14.00	0.04		
	14.00—14.30	Trace		
	14.30—15.00	0.04		
10	15.00—15.30	0.02		
	15.30—16.30	Trace	NE	
	16.30—17.00	Zero		4.0
	17.00—18.00	0.02		
	18.00—21.30	Zero		
	21.30—23.00	Trace		
	23.00—24.00	Zero		
Oct. 12	0.00— 2.30	Trace	NE	2.0
	2.30— 3.00	0.02		
	3.00— 5.00	Trace		
20	5.00— 6.30	Zero		
	6.30— 8.00	Trace		
	8.00— 8.30	0.02		
	8.30— 9.00	Trace		
	9.00— 9.30	0.02		
	9.30—11.00	Trace	SW	5.5
	11.00—17.30	Zero		
	17.30—18.00	0.02		
	18.00—18.30	0.02		
	18.30—19.00	0.04		
30	19.00—19.30	0.08		
	19.30—20.00	0.06		
	20.00—20.30	0.04	SW	5.5
	20.30—21.30	Trace		
	21.30—24.00	Zero		
Oct. 13	0.00— 4.00	Zero	SW	7.5
	4.00— 6.00	Trace		
	6.00— 6.30	Zero		
	6.30— 9.30	Trace		
40	9.30—10.00	0.06		
	10.00—24.00	Zero	SW—NW—W—SW	
			7.5—8.0—4.0—3.0	
Oct. 14	0.00— 6.00	Zero		
	6.00— 7.30	Trace	S	2.5
	7.30— 9.00	Zero		
	9.00—10.00	0.02		
	10.00—10.30	0.03		
	10.30—11.00	0.04		
	11.00—12.00	0.03		
	12.00—12.30	0.02	NE	5.0
50	12.30—13.00	Trace		
	13.00—13.30	0.02		
	13.30—14.30	Trace		

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and wind  
readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued*

## EXHIBIT No. 147 (Continued)

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readings  
taken by  
Dr. Katz  
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Continued

		14.30—15.00	0.02		
		15.00—15.30	Trace		
		15.30—20.30	Zero	SW	4.0
		20.30—21.00	Trace	S	4.5
		21.00—21.30	0.05		
		21.30—22.00	Zero		
		22.00—24.00	Trace		
	Oct. 15	0.00— 4.30	Zero	S	3.5
		4.30— 5.00	Trace		
		5.00— 6.00	0.02		
		6.00— 6.30	0.03		
		6.30— 7.00	0.02		
		7.00— 7.30	Trace		
		7.30— 8.00	Zero		
		8.00— 8.30	Trace		
		8.30— 9.00	Zero		
		9.00—11.00	Trace		
20		11.00—11.30	0.03	SW	5.5
		11.30—12.00	0.02		
		12.00—12.30	0.03		
		12.30—13.00	0.02		
		13.00—15.30	Trace		
		15.30—16.00	0.03		
		16.00—17.00	Trace		
		17.00—20.00	Zero		
		20.00—20.30	0.02		
		20.30—21.00	0.05		
30		21.00—21.30	0.04	S	2.0
		21.30—22.00	0.03		
		22.00—23.30	Trace		
		23.30—24.00	0.05		
	Oct. 16	0.00— 0.30	0.05	S	2.0
		0.30— 1.00	0.04		
		1.00— 1.30	0.03		
		1.30— 2.00	Trace		
		2.00— 2.30	0.02		
		2.30— 3.00	0.02		
40		3.00— 4.00	Trace		
		4.00— 5.00	0.02		
		5.00— 5.30	0.04		
		5.30— 6.00	0.04	S	2.0
		6.00— 6.30	0.05		
		6.30— 7.00	0.04		
		7.00— 7.30	Trace		
		7.30— 8.00	0.04		
		8.00— 8.30	0.09		
		8.30— 9.00	0.04		
50		9.00— 9.30	0.05		
		9.30—10.00	0.04		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		10.00—10.30	0.03		
		10.30—11.00	No Record	SW	2.0
		11.00—11.30	0.02		
		11.30—12.00	Trace	NE	6.0
		12.00—12.30	0.02		
		12.30—16.00	Trace		
		16.00—16.30	Zero		
10		16.30—19.00	Trace		
		19.00—20.30	Zero	E	4.5
		20.30—21.00	Trace		
		21.00—21.30	0.02		
		21.30—22.00	0.04		
		22.00—24.00	Zero	SE	1.0
	Oct. 17	0.00— 6.00	Zero	SE	2.0
		6.00— 7.00	Trace		
		7.00— 7.30	0.03		
		7.30— 8.00	0.03		
20		8.00— 8.30	0.12		
		8.30— 9.00	0.05		
		9.00— 9.30	0.04		
		9.30—10.00	Trace		
		10.00—10.30	0.03	SW	7.0
		10.30—11.00	Trace		
		11.00—11.30	0.03		
		11.30—12.00	0.04		
		12.00—13.00	Trace		
		13.00—15.30	Zero		
30		15.30—16.30	Trace	W	3.0
		16.30—19.30	Zero		
		19.30—20.00	0.02	SE	3.0
		20.00—20.30	0.06		
		20.30—21.00	0.06	S	3.5
		21.00—21.30	0.19		
		21.30—22.00	0.09		
		22.00—22.30	0.09	S	3.5
		22.30—24.00	Trace		
40	Oct. 18	0.00— 0.30	Zero	S	2.0
		0.30— 1.00	Trace		
		1.00— 3.30	Zero	S—SW	2.0—1.7
		3.30— 4.30	Trace		
		4.30— 5.00	Trace		
		5.00— 5.30	0.02		
		5.30— 6.00	0.05		
		6.00— 6.30	0.05	SW	1.7
		6.30— 7.00	0.04		
		7.00— 7.30	0.04		
		7.30— 8.00	0.05		
50		8.00— 8.30	0.04		
		8.30— 9.00	0.04		

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## EXHIBIT No. 147 (Continued)

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Continued

		9.00— 9.30	0.05		
		9.30—10.00	0.04		
		10.00—10.30	0.05		
		10.30—11.00	0.04		
		11.00—11.30	0.04	NE	5.0
		11.30—12.00	0.04		
		12.00—12.30	0.03		
		12.30—14.00	Trace	NW	4.0
		14.00—14.30	0.02	NE	2.0
		14.30—15.00	Zero		
		15.00—17.30	Trace		
		17.30—18.30	Zero		
		18.30—20.00	Trace		
		20.00—24.00	No Record	S	4.5
Oct. 19		0.00— 0.20	No Record	S	5.0
		0.20— 1.00	Zero		
		1.00— 2.30	Trace		
20		2.30— 4.00	Zero		
		4.00— 5.00	Trace		
		5.00— 8.00	Zero	S—SW	5.0
		8.00— 8.30	Trace		
		8.30— 9.00	Zero	W	5.0
		9.00— 9.30	0.02		
		9.30—10.30	Trace		
		10.30—17.00	Zero	NW	9.0
		17.00—24.00	No Record	W—SW	7.0—5.0
Oct. 20		0.00— 7.30	No Record	S	3.0
30		7.30— 8.30	Zero	SW	8.0
		8.30— 9.30	0.02		
		9.30—10.00	0.03		
		10.00—10.30	0.04		
		10.30—11.00	0.02		
		11.00—11.30	0.03		
		11.30—12.00	0.02		
		12.00—12.30	0.02	SW	8.0
		12.30—14.30	Trace		
		14.30—15.00	0.02		
40		15.00—15.30	0.03		
		15.30—16.00	0.04		
		16.00—17.30	Trace	SW	8.0
		17.30—18.30	Zero		
		18.30—19.00	Trace		
		19.00—19.30	0.02		
		19.30—20.00	0.02		
		20.00—20.30	0.02		
		20.30—21.00	Zero		
		21.00—21.30	0.03	SW	8.0
50		21.30—23.00	Trace		
		23.00—23.30	0.02		
		23.30—24.00	0.03		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

	Oct. 21	0.00— 0.30	0.02	SW	4.7	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		0.30— 1.30	Trace			
		1.30— 7.00	Zero			
		7.00— 7.30	Trace			
		7.30— 8.00	0.04			
		8.00— 8.30	0.04			
		8.30—13.30	Trace	NW—N	5.0—5.0	
10		13.30—15.00	Zero			
		15.00—19.30	Trace	N—SE	5.0—3.0	
		19.30—20.00	0.02	SE	3.0	
		20.00—20.30	0.06			
		20.30—21.00	0.09			
		21.00—21.30	0.17			
		21.30—22.00	0.06			
		22.00—22.30	0.10			
		22.30—23.00	0.05			
		23.00—23.30	0.02			
		23.30—24.00	0.04			
20	Oct. 22	0.00— 0.30	0.04	SE	2.0	
		0.30— 2.30	Trace			
		2.30— 3.00	0.03			
		3.00— 3.30	0.02			
		3.30— 4.00	0.04	S	2.5	
		4.00— 4.30	0.03			
		4.30— 5.00	0.03			
		5.00— 6.00	Trace			
		6.00— 8.00	Zero			
		8.00— 8.30	Trace			
30		8.30— 9.00	0.03	W	4.0	
		9.00— 9.30	0.03			
		9.30—10.00	Trace			
		10.00—10.30	0.03			
		10.30—11.00	0.05	SW	8.0	
		11.00—11.30	0.04			
		11.30—12.00	0.04			
		12.00—12.30	0.03			
		12.30—13.00	0.04			
		13.00—13.30	0.02			
40		13.30—14.00	0.03			
		14.00—14.30	0.02			
		14.30—16.00	0.02			
		16.00—17.30	Trace	SW	8.0	
		17.30—20.00	Trace			
		20.00—21.30	Zero			
		21.30—22.00	0.02			
		22.00—23.00	Trace			
		23.00—24.00	0.02			
50	Oct. 23	0.00— 0.30	Trace	SW	12.0	
		0.30— 1.30	0.02			
		1.30— 5.00	Trace			

## EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

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		5.00— 5.30	0.02		
		5.30— 6.00	0.05		
		6.00— 6.30	0.07		
		6.30— 7.00	0.04		
		7.00— 7.30	0.03		
		7.30— 8.00	0.10	NW	14.0
		8.00— 8.30	0.05		
		8.30— 9.00	0.07		
		9.00—16.00	Zero		
		16.00—17.00	Trace	NE	14.6
		17.00—17.30	0.02		
		17.30—18.00	0.03		
		18.00—18.30	Trace		
		18.30—19.00	0.02		
		19.00—19.30	Trace		
		19.30—24.00	Zero		
20	Oct. 24	0.00— 7.15	Zero	E	9.0
		7.15—10.15	Trace		
		10.15—10.45	0.02		
		10.45—14.45	Trace		
		14.45—15.15	0.02		
		15.15—15.45	Trace		
		15.45—16.15	0.02		
		16.15—16.45	0.02		
		16.45—20.15	Trace	E	9.0
		20.15—20.45	0.03		
		20.45—21.15	0.02		
30		21.15—21.45	Trace		
		21.45—22.15	0.02		
		22.15—24.00	Trace		
	Oct. 25	0.00— 0.30	0.03	E	2.0
		0.30— 1.00	0.04		
		1.00— 1.30	0.05		
		1.30— 2.00	0.04		
		2.00— 2.30	0.04		
		2.30— 3.00	0.02		
40		3.00— 3.30	0.04	S	1.0
		3.30— 4.00	0.05		
		4.00— 4.30	0.06		
		4.30— 5.00	0.07		
		5.00— 5.30	0.08		
		5.30— 6.00	0.05		
		6.00— 6.30	0.10		
		6.30— 7.00	0.08	S	1.0
		7.00— 7.30	0.06		
		7.30— 8.00	0.04		
		8.00— 8.30	0.04		
50		8.30— 9.30	0.02		
		9.30—10.00	Trace		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

			<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>		
		10.00—10.30	0.03		
		10.30—11.00	0.02	NE	4.0
		11.00—11.30	0.02		
		11.30—12.30	Trace		
		12.30—13.30	0.02	SW	5.0
		13.30—16.00	Trace		
10		16.00—17.30	Zero		
		17.30—22.30	Trace	SW	5.0
		22.30—24.00	Zero		
	Oct. 26	0.00— 0.30	Zero	SW	2.0
		0.30— 4.00	Trace		
		4.00— 9.00	Zero		
		9.00—10.00	0.02		
		10.00—11.00	0.03		
		11.00—12.00	0.02		
		12.00—15.00	Trace	N	3.0
		15.00—16.30	Zero	SW	3.7
20		16.30—17.30	No Record		
		17.30—21.30	Trace		
		21.30—22.00	0.02	S	3.0
		22.00—22.30	0.04		
		22.30—23.00	0.03		
		23.00—23.30	0.04		
		23.30—24.00	0.03		
	Oct. 27	0.00— 2.30	Trace	S	3.7
		2.30— 3.00	0.02		
		3.00— 4.00	Trace		
30		4.00— 5.30	0.02		
		5.30— 6.00	0.03		
		6.00— 6.30	0.04		
		6.30— 7.30	Trace		
		7.30— 8.00	0.02		
		8.00— 8.30	0.04		
		8.30— 9.00	0.04		
		9.00—10.00	0.03		
		10.00—11.00	0.03		
		11.00—12.00	0.02	SW	5.5
40		12.00—13.00	Trace		
		13.00—13.30	Zero	N	4.0
		13.30—15.00	Trace		
		15.00—15.30	0.02		
		15.30—16.00	0.03		
		16.00—16.30	0.02	NE	2.0
		16.30—17.30	0.03		
		17.30—18.00	0.02		
		18.00—19.00	Trace		
		19.00—20.30	Zero		
50		20.30—23.30	Trace	S	9.5
		23.30—24.00	0.04		

## EXHIBIT No. 147 (Continued)

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	Oct. 28	0.00— 0.30	Trace	S		8.0
		0.30— 6.30	Zero	S—SW		8.0—6.0
		6.30— 7.00	0.02	S		6.0
		7.00— 7.30	Trace			
		7.30— 9.00	Trace			
		9.00—11.30	Zero			
		11.30—12.30	Trace	SW		4.5
		12.30—13.00	0.04			
		13.00—14.00	0.02			
		14.00—16.30	Zero			
		16.30—17.30	Trace			
		17.30—18.30	0.02			
		18.30—22.30	Trace	E		7.0
		22.30—23.00	0.02			
		23.00—24.00	Trace	SE		6.0
	Oct. 29	0.00— 5.30	Zero	SE		6.0
		5.30— 6.00	0.04	SE—SW—S	6.0—8.0—4.0	
20		6.00— 6.30	0.05	S		4.0
		6.30— 7.00	0.05			
		7.00— 8.30	Trace			
		8.30— 9.00	0.03			
		9.00—10.30	Zero	SW		6.0
		10.30—11.00	Trace			
		11.00—14.00	Zero			
		14.00—15.30	Trace			
		15.30—16.00	0.04			
		16.00—16.30	0.02			
30		16.30—17.00	0.07			
		17.00—17.30	0.07			
		17.30—18.00	0.10			
		18.00—18.30	0.05			
		18.30—19.00	0.03	E		8.5
		19.00—19.30	0.02			
		19.30—21.00	Trace			
		21.00—24.00	Zero			
	Oct. 30	0.00—12.00	Zero	E		8.5
		12.00—13.00	Trace	NE		8.5
		13.00—13.30	0.02			
40		13.30—14.00	0.03			
		14.00—14.30	0.03			
		14.30—15.30	Trace			
		15.30—16.30	Zero			
		16.30—17.00	Trace	NE		8.5
		17.00—18.30	Zero			
		18.30—19.00	Trace			
		19.00—24.00	Zero			
	Oct. 31	0.00—17.30	Zero	NE—E	7.5—9.5	
		17.30—18.30	Trace	E		9.5
50		18.30—19.00	0.03			
		19.00—19.30	0.03			



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		19.30—20.00	0.03		
		20.00—20.30	0.02		
		20.30—21.00	0.04		
		21.00—21.30	0.03		
		21.30—22.00	0.03		
		22.00—22.30	0.02		
		22.30—23.00	0.04		
10	Nov. 1	23.00—24.00	0.03		
		0.00— 1.30	0.02	E	6.0
		1.30— 2.00	0.03		
		2.00— 2.30	0.05		
		2.30— 3.00	0.03		
		3.00— 3.30	Trace		
		3.30— 4.00	0.03		
		4.00— 4.30	0.02		
		4.30— 5.00	0.04		
		5.00— 6.00	0.03		
20		6.00— 6.30	0.06		
		6.30— 7.00	0.08		
		7.00— 7.30	0.05		
		7.30— 8.00	0.10	E	6.0
		8.00— 8.30	0.06		
		8.30— 9.00	0.05		
		9.00— 9.30	0.03		
		9.30—10.00	0.02		
		10.00—11.30	Trace		
		11.30—13.00	Zero		
30		13.00—13.30	0.03	NE	8.0
		13.30—14.00	Zero		
		14.00—14.30	Trace		
		14.30—18.00	Zero		
		18.00—20.30	Trace	E	6.5
		20.30—21.00	0.04		
		21.00—21.30	0.04		
		21.30—22.00	0.05	SE	6.0
		22.00—22.30	0.02		
		22.30—23.00	0.06		
40		23.00—23.30	0.06	E	5.0
	Nov. 2	23.30—24.00	0.07		
		0.00— 0.30	0.06	E	4.0
		0.30— 1.00	0.08		
		1.00— 1.30	0.04		
		1.30— 2.00	0.08		
		2.00— 2.30	0.06	SE	1.0
		2.30— 3.00	0.03		
		3.00— 3.30	0.05		
		3.30— 4.00	0.03		
		4.00— 5.30	0.03		
50		5.30— 6.00	0.09		
		6.00— 6.30	0.05		

*In the  
Supreme  
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Ontario  
Defendant's  
Exhibit  
No. 147  
Table of  
sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued*

## EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

In the  
Supreme  
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No. 147  
Table of  
sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued

		6.30— 7.00	0.08	SE	1.0
		7.00— 7.30	0.06		
		7.30— 8.00	0.11		
		8.00— 8.30	0.10		
		8.30— 9.00	0.17		
		9.00— 9.30	0.13		
		9.30—10.00	0.15		
		10.00—10.30	0.11		
		10.30—11.00	0.12	NE	9.0
		11.00—11.30	0.09		
		11.30—12.00	0.09		
		12.00—12.30	0.06		
		12.30—13.00	0.03		
		13.00—13.30	0.02		
		13.30—18.00	Zero		
		18.00—19.30	Trace	E	6.5
		19.30—20.00	0.03		
20		20.00—20.30	0.02		
		20.30—21.00	0.04		
		21.00—22.00	0.03		
		22.00—22.30	0.02		
		22.30—23.00	0.04		
		23.00—24.00	0.03		
	Nov. 3	0.00— 0.30	0.04	E	9.2
		0.30— 1.00	0.05		
		1.00— 1.30	0.03		
		1.30— 2.00	0.04		
30		2.00— 2.30	0.03		
		2.30— 3.00	0.04		
		3.00— 3.30	0.04		
		3.30— 4.00	0.06		
		4.00— 4.30	0.02		
		4.30— 5.00	0.03	E	9.2
		5.00— 5.30	0.03		
		5.30— 6.00	0.05		
		6.00— 6.30	0.03		
		6.30— 7.30	0.06		
40		7.30— 8.00	0.08		
		8.00— 8.30	0.06		
		8.30— 9.00	0.06		
		9.00— 9.30	0.05		
		9.30—10.00	Trace		
		10.00—10.30	0.03		
		10.30—11.30	0.02		
		11.30—12.00	Trace		
		12.00—12.30	Zero	E	9.2
		12.30—13.30	Trace		
50		13.30—15.00	Zero		
		15.00—17.00	Trace		
		17.00—21.00	Zero		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

				<i>In the Supreme Court of Ontario Defendant's Exhibit No. 147 Table of sulphur dioxide and wind readings taken by Dr. Katz 29th Apr., 1947 to 14th Nov., 1947 Continued</i>
		21.00—22.30	Trace	
		22.30—24.00	Zero	
Nov. 4		0.00— 1.00	Zero	E
		1.00— 5.00	Trace	
		5.00— 5.30	0.03	
		5.30— 7.00	Trace	
10		7.00— 7.30	0.02	
		7.30— 8.30	0.03	
		8.30— 9.00	0.02	
		9.00— 9.30	0.04	
		9.30—10.30	0.03	
		10.30—14.00	Trace	E
		14.00—14.30	0.05	
		14.30—15.30	0.02	
		15.30—16.00	Trace	
		16.00—16.30	0.03	
		16.30—21.00	Trace	
20		21.00—21.30	0.02	
		21.30—22.00	0.04	E
		22.00—22.30	0.04	
		22.30—23.00	0.06	
		23.00—23.30	0.08	
		23.30—24.00	0.09	
Nov. 5		0.00— 0.30	0.12	SE
		0.30— 1.00	0.06	
		1.00— 1.30	0.04	
		1.30— 2.00	0.02	S
30		2.00— 2.30	0.03	
		2.30— 3.00	Trace	
		3.00— 8.00	Zero	SW
		8.00—10.00	Trace	
		10.00—10.30	0.04	S
		10.30—11.30	0.02	
		11.30—12.00	Trace	
		12.00—12.30	0.03	
		12.30—13.00	0.05	
40		13.00—13.30	0.04	SE
		13.30—14.00	0.05	
		14.00—14.30	0.06	
		14.30—15.00	0.04	
		15.00—15.30	0.06	
		15.30—17.00	Zero	SW
		17.00—17.30	0.03	
		17.30—18.00	0.04	E
		18.00—18.30	0.04	
		18.30—19.00	0.02	
		19.00—19.30	0.03	
50		19.30—20.00	0.06	SW
		20.00—20.30	0.03	
		20.30—21.00	0.02	
		21.00—22.30	0.03	

In the  
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 No. 147  
 Table of  
 sulphur  
 dioxide  
 and wind  
 readings  
 taken by  
 Dr. Katz  
 29th Apr.,  
 1947 to 14th  
 Nov., 1947  
 Continued

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EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

		22.30—23.00	0.05		
		23.00—23.30	0.06		
		23.30—24.00	Trace		
	Nov. 6	0.00— 1.00	0.02	SW	6.0
		1.00— 1.30	Trace	W	6.0
		1.30— 6.00	Zero		
		6.00— 6.30	Trace	SW	6.5
		6.30— 7.00	0.06		
		7.00— 8.00	Trace		
		8.00— 9.00	Zero		
		9.00—10.00	0.03	S	7.5
		10.00—10.30	0.06		
		10.30—11.00	0.06		
		11.00—11.30	0.06		
		11.30—12.00	0.04		
		12.00—12.30	0.02		
		12.30—13.00	0.04		
	20	13.00—13.30	0.04		
		13.30—14.00	0.06		
		14.00—14.30	0.08		
		14.30—15.00	Trace	W	7.5
		15.00—15.30	0.04		
		15.30—16.00	0.07		
		16.00—16.30	0.03		
		16.30—17.00	0.04		
		17.00—17.30	0.04		
		17.30—18.00	0.04		
	30	18.00—18.30	0.06		
		18.30—19.00	Trace		
		19.00—19.30	0.05		
		19.30—20.00	0.04		
		20.00—20.30	0.03		
		20.30—23.30	Zero	SW	2.7
		23.30—24.00	0.03		
	Nov. 7	0.00— 0.30	0.02	SW	2.7
		0.30— 1.30	Zero		
		1.30— 2.00	Trace		
	40	2.00— 2.30	0.05		
		2.30— 3.00	0.03		
		3.00— 3.30	Trace		
		3.30— 5.00	Zero		
		5.00— 5.30	0.02		
		5.30— 6.00	0.06		
		6.00— 6.30	0.06		
		6.30— 7.00	0.12		
		7.00— 7.30	0.10		
		7.30— 8.00	0.18		
	50	8.00— 8.30	0.09		
		8.30— 9.00	0.20		

EXHIBIT No. 147 (Continued)  
 N.R.C. Recorder Station, St. Catharines

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 sulphur  
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 readings  
 taken by  
 Dr. Katz  
 29th Apr.,  
 1947 to 14th  
 Nov., 1947  
 Continued*

		9.00— 9.30	0.16	SE	
		9.30—10.00	0.11		8.5
		10.00—10.30	0.15		
		10.30—11.00	0.05		
		11.00—11.30	0.02		
		11.30—12.30	Trace		
		12.30—13.00	Zero	S	14.2
10		13.00—14.30	Trace		
		14.30—15.00	0.03		
		15.00—16.00	Trace		
		16.00—17.00	Trace		
		17.00—19.00	Trace		
		19.00—19.30	0.02		
		19.30—22.30	Trace	SW	16.5
		22.30—23.00	Zero		
		23.00—23.30	0.03	W	14.0
		23.30—24.00	0.04		
20	Nov. 8	0.00— 0.30	0.06	W	12.4
		0.30— 1.30	0.02		
		1.30—24.00	Zero	W-SW-W-SW	12.4-4.0-12.7-8.0
	Nov. 9	0.00—24.00	Zero	W	17.6
	Nov. 10	0.00—10.30	Zero	SW	7.3
		10.30—11.30	Trace	S	6.0
		11.30—12.00	0.03		
		12.00—13.00	Zero		
		13.00—13.30	Trace		
		13.30—14.00	Zero		
30		14.00—14.30	0.04		
		14.30—15.00	0.03		
		15.00—15.30	0.08	SE	8.0
		15.30—16.00	0.10		
		16.00—16.30	0.06		
		16.30—17.00	0.05		
		17.00—17.30	0.03		
		17.30—18.30	0.02		
		18.30—19.00	0.04		
		19.00—19.30	0.06		
40		19.30—20.00	0.12		
		20.00—20.30	0.12		
		20.30—21.00	0.16		
		21.00—21.30	0.12	S	8.0
		21.30—22.00	0.13		
		22.00—22.30	0.10		
		22.30—23.00	0.14		
		23.00—23.30	0.05		
		23.30—24.00	Trace		

## EXHIBIT No. 147 (Continued)

N.R.C. Recorder Station, St. Catharines

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Dr. Katz  
29th Apr.,  
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Continued

	Nov. 11	0.00— 2.30	Trace	S	12.4
		2.30— 3.00	0.02		
		3.00— 3.30	0.03		
		3.30— 4.30	0.02		
		4.30— 7.30	Trace		
		7.30— 8.00	0.04		
		8.00— 8.30	0.02		
		8.30— 9.00	0.03		
		9.00— 9.30	0.02		
		9.30—10.00	0.03		
		10.00—15.00	Zero	SW	9.0
		15.00—16.00	Trace	SW	9.0
		16.00—17.00	Zero		
		17.00—17.30	Trace		
		17.30—24.00	Zero	NW	16.0
	Nov. 12	0.00— 7.00	Zero	NW	13.0
20		7.00— 7.30	0.05		
		7.30— 8.00	0.10	W	9.0
		8.00— 8.30	0.08		
		8.30— 9.00	0.11		
		9.00— 9.30	0.07		
		9.30—10.00	0.08	NW	10.0
		10.00—10.30	0.09		
		10.30—11.00	0.07		
		11.00—11.30	0.09		
		11.30—12.00	0.02		
30		12.00—12.30	Trace		
		12.30—13.00	0.05		
		13.00—14.00	0.12		
		14.00—14.30	0.06	W	6.0
		14.30—15.00	0.06		
		15.00—15.30	0.06		
		15.30—17.00	Trace		
		17.00—21.00	Zero		
		21.00—22.00	Trace		
		22.00—24.00	Zero		
40	Nov. 13	0.00— 2.00	Trace	W	13.0
		2.00— 5.30	Zero		
		5.30— 6.00	0.05		
		6.00— 7.30	0.03		
		7.30— 8.00	0.05		
		8.00— 8.30	0.05		
		8.30— 9.00	0.06		
		9.00— 9.30	0.05		
		9.30—10.00	0.06		
		10.00—10.30	0.07	SW	11.0
		10.30—11.00	0.11		
50		11.00—11.30	0.12		
		11.30—12.00	0.12		
		12.00—12.30	0.08		

EXHIBIT No. 147 (Continued)  
N.R.C. Recorder Station, St. Catharines

		12.30—13.00	0.10		
		13.00—13.30	0.12		
		13.30—14.00	0.15	SW	11.0
		14.00—14.30	0.13		
		14.30—15.00	0.13		
		15.00—15.30	0.15		
10		15.30—16.00	0.13		
		16.00—16.30	0.09		
		16.30—17.00	0.07		
		17.00—17.30	0.06		
		17.30—18.00	0.03		
		18.00—19.00	Trace	SW	11.0
		19.00—20.00	Zero		
		20.30—21.00	Trace		
		21.00—22.00	Zero		
		22.00—24.00	Trace		
20	Nov. 14	0.00— 7.30	Zero	SW—S	6.2—4.5
		7.30—13.00	Trace	S—W	4.5—5.0
		13.00—13.30	0.04	W	5.0
		13.30—14.00	Trace		
		14.00—14.30	Zero	N	4.0
		14.30—15.00	Trace		
		15.00—16.30	Zero		

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sulphur  
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readings  
taken by  
Dr. Katz  
29th Apr.,  
1947 to 14th  
Nov., 1947  
Continued*

In the  
Supreme  
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No. 148  
Daily  
summary of  
sulphur  
dioxide read-  
ings as in  
Exhibit 147

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
April 29	17.00		7.00					0.04	24.00
30	5.00	12.00	7.00					0.04	24.00
May 1		18.30	5.30					0.04	24.00
2	6.30	13.00	4.30					Trace	24.00
3		16.30	6.30	1.00				0.07	24.00
4		5.00	15.50	2.00	0.30	0.40		0.24	24.00
5		7.50	12.30	3.40				0.10	24.00
6		5.00	9.30	8.00	1.30			0.12	24.00
7		20.00	3.00	1.00				0.07	24.00
8		15.30	5.00	2.00	1.30			0.13	24.00
9		20.30	3.30					Trace	24.00
10		24.00						Zero	24.00
11		24.00						Zero	24.00
12		7.30	14.30	2.00				0.06	24.00
13		17.00	5.45	1.15				0.06	24.00
14		22.30	1.30					0.02	24.00
15		15.30	8.00	0.30				0.06	24.00
16		15.00	7.30	1.30				0.06	24.00
17		24.00						Zero	24.00
18		19.30	4.30					0.03	24.00
19		20.45	2.15	0.45	0.15			0.11	24.00
20		15.30	4.30	4.00				0.08	24.00
21		10.00	10.30	3.30				0.08	24.00
22		18.00	6.00					0.04	24.00
23		4.30	17.00	2.30				0.07	24.00
24		23.00	1.00					0.02	24.00
25		21.00	3.00					0.04	24.00
26		14.00	9.00	1.00				0.09	24.00
27		13.30	10.00	0.30				0.07	24.00
28		11.00	12.30	0.30				0.06	24.00
29		12.00	10.00	2.00				0.07	24.00
30		5.30	14.00	4.30				0.07	24.00
31		22.30	1.30					Trace	24.00

744.00 hrs.

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## EXHIBIT No. 148 (Continued)

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
June 1		15.00	9.00					0.04	24.00
2	8.00	10.30	5.30					0.02	24.00
3	7.30	15.30	1.00					Trace	24.00
4		12.00	12.00					0.04	24.00
5		9.00	15.00					0.03	24.00
6		7.30	12.30	4.00				0.10	24.00
7		21.00	1.30	1.30				0.05	24.00
8		24.00						Zero	24.00
9		10.45	10.45	2.00	0.30			0.11	24.00
10		10.15	11.45	2.00				0.06	24.00
11		6.30	14.00	2.30	1.00			0.11	24.00
12		21.30	2.30					Trace	24.00
13		18.30	5.30					0.02	24.00
14		18.00	6.00					0.04	24.00
15		24.00						Zero	24.00
16		14.30	4.00	5.00	0.30			0.13	24.00
17		13.30	8.00	2.30				0.08	24.00
18		15.30	8.30					0.04	24.00
19	7.15	16.15	0.30					Trace	24.00
20		15.00	9.00					0.02	24.00
21		21.30	2.30					Trace	24.00
22		17.00	7.00					0.02	24.00
23		15.30	7.30	1.00				0.11	24.00
24		7.45	13.45	2.00	0.30			0.11	24.00
25		6.30	14.00	3.00	0.30			0.13	24.00
26		13.00	11.00					0.04	24.00
27		7.30	16.30					0.04	24.00
28		10.30	13.30					0.04	24.00
29		13.30	10.30					0.02	24.00
30		23.00	1.00					Trace	24.00

720.00 hrs.

In the  
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Exhibit 147  
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Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 148  
Daily  
summary of  
sulphur  
dioxide read-  
ings as in  
Exhibit 147  
Continued

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EXHIBIT No. 148 (Continued)

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
July 1		19.30	4.30					Trace	24.00
2		21.00	3.00					0.03	24.00
3		16.00	7.00	1.00				0.06	24.00
4		15.00	9.00					0.03	24.00
5		20.30	3.30					0.04	24.00
6		19.00	5.00					0.02	24.00
7		24.00						Zero	24.00
8		21.30	2.30					Trace	24.00
9		23.00	1.00					Trace	24.00
10		17.00	7.00					0.02	24.00
11		11.00	12.00	1.00				0.06	24.00
12		23.00	1.00					0.02	24.00
13		24.00						Zero	24.00
14		11.00	12.30	0.30				0.09	24.00
15	7.30	5.15	7.00	3.00	0.30	0.45		0.20	24.00
16	7.30	9.45	6.30	0.15				0.08	24.00
17		22.30	1.30					0.02	24.00
18		12.00	11.30	0.30				0.06	24.00
19		24.00						Zero	24.00
20		21.30	2.30					Trace	24.00
21		19.00	5.00					0.03	24.00
22		20.00	4.00					Trace	24.00
23		8.00	3.30	4.00	6.00	2.30		0.19	24.00
24		8.30	9.00	2.30	3.30	0.30		0.16	24.00
25		12.30	7.00	4.30				0.08	24.00
26		11.30	12.30					0.02	24.00
27		20.30	3.30					0.03	24.00
28		24.00						Zero	24.00
29		24.00						Zero	24.00
30		22.00	2.00					Trace	24.00
31		19.30	4.30					Trace	24.00

744.00 hrs.

## EXHIBIT No. 148 (Continued)

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
Aug. 1		16.30	7.00	0.30				0.05	24.00
2	15.15	4.45	3.00					0.03	24.00
3	17.00	5.30	1.30					Trace	24.00
4		20.00	4.00					0.02	24.00
5		24.00						Zero	24.00
6		24.00						Zero	24.00
7		24.00						Zero	24.00
8		24.00						Zero	24.00
9		24.00						Zero	24.00
10		24.00						Zero	24.00
11		24.00						Zero	24.00
12		21.30	2.30					0.04	24.00
13		20.00	4.00					0.02	24.00
14		18.00	6.00					Trace	24.00
15		16.30	7.00	0.30				0.05	24.00
16		24.00						Zero	24.00
17		24.00						Zero	24.00
18		12.30	11.00	0.30				0.06	24.00
19		12.00	11.00	0.30	0.30			0.14	24.00
20		17.00	6.00	1.00				0.06	24.00
21		16.30	7.30					0.13	24.00
22		23.00	1.00					0.02	24.00
23		17.30	5.30					0.02	24.00
24		24.00						Zero	24.00
25		19.30	4.00	0.30				0.07	24.00
26		20.00	4.00					0.02	24.00
27		17.00	5.30	0.30	1.00			0.14	24.00
28		8.00	10.00	4.30	1.30			0.15	24.00
29		17.30	6.00	0.30				0.06	24.00
30		19.00	3.00	2.00				0.09	24.00
31		24.00						Zero	24.00

744.00 hrs.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 148  
Daily  
summary of  
sulphur  
dioxide read-  
ings as in  
Exhibit 147  
Continued

EXHIBIT No. 148 (Continued)

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
Sept. 1		18.30	4.00	1.30				0.07	24.00
2		9.30	5.00	5.30	3.30	0.30		0.16	24.00
3		20.00	4.00					0.02	24.00
4		18.30	5.00	0.30				0.05	24.00
5		5.00	13.30	4.00	0.30	1.00		0.18	24.00
6		19.30	4.30					0.02	24.00
7		24.00						Zero	24.00
8		24.00						Zero	24.00
9		19.30	3.00	1.30				0.07	24.00
10		21.00	3.00					0.02	24.00
11		19.30	4.30					0.02	24.00
12		14.15	8.15	1.30				0.07	24.00
13		18.00	6.00					0.03	24.00
14		24.00						Zero	24.00
15		20.30	3.30					0.02	24.00
16		13.00	8.00	2.30	0.30			0.11	24.00
17		7.30	9.30	5.30	1.00	0.30		0.18	24.00
18		16.00	8.00					0.04	24.00
19		17.30	3.30	3.00				0.07	24.00
20		21.30	2.30					Trace	24.00
21		20.30	3.30					0.02	24.00
22		24.00						Zero	24.00
23		11.00	11.30	1.30				0.06	24.00
24		16.00	5.00	3.00				0.07	24.00
25		16.30	6.30	1.00				0.06	24.00
26		20.30	3.30					Trace	24.00
27		15.30	5.30	1.30	0.30	1.00		0.21	24.00
28		10.00	6.00	3.30	4.30			0.14	24.00
29		17.30	6.30					0.04	24.00
30		11.00	11.30	1.30				0.05	24.00

720.00 hrs.

## EXHIBIT No. 148 (Continued)

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
Oct. 1		11.00	11.00	2.00				0.07	24.00
2		10.00	12.00	2.00				0.09	24.00
3	3.00	4.00	11.30	4.00	1.30	0.		0.14	24.00
4		6.00	17.00	1.00				0.05	24.00
5		12.00	12.00					0.02	24.00
6		6.00	16.30	1.30				0.05	24.00
7		6.00	17.00	1.00				0.05	24.00
8		16.00	8.00					0.03	24.00
9		16.00	8.00					0.04	24.00
10		3.00	20.30	0.30				0.06	24.00
11		5.30	11.00	4.30	2.30	0.30		0.16	24.00
12		10.30	12.30	1.00				0.08	24.00
13		18.30	5.00		0.30			0.06	24.00
14		13.00	10.30	0.00				0.05	24.00
15		8.30	14.30	1.00				0.05	24.00
16	0.30	4.00	17.30	2.00				0.09	24.00
17		11.30	9.00	2.30	0.30	0.30		0.19	24.00
18	4.00	4.30	13.00	2.30				0.05	24.00
19	7.20	12.10	4.30					0.02	24.00
20	7.30	2.30	14.00					0.04	24.00
21		7.00	14.00	2.30		0.30		0.17	24.00
22		3.30	20.00	0.30				0.05	24.00
23		11.30	10.00	2.30				0.10	24.00
24		7.15	16.45					0.03	24.00
25		3.00	16.30	4.30				0.10	24.00
26	1.00	7.00	16.00					0.04	24.00
27		2.00	22.00					0.04	24.00
28		11.00	13.00					0.04	24.00
29		13.00	8.00	3.00				0.10	24.00
30		19.30	4.30					0.03	24.00
31		17.30	6.30					0.04	24.00

744.00 hrs.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 148  
Daily  
summary of  
sulphur  
dioxide read-  
ings as in  
Exhibit 147  
Continued

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 148  
 Daily  
 summary of  
 sulphur  
 dioxide read-  
 ings as in  
 Exhibit 147  
 Continued

Date 1947	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.	Total Hrs.
Nov. 1		5.30	13.00	5.30				0.10	24.00
2		4.30	10.00	6.30	2.30	0.30		0.17	24.00
3		7.30	11.30	5.00				0.08	24.00
4		1.00	21.00	2.00				0.09	24.00
5		6.30	13.00	4.00	0.30			0.12	24.00
6		8.30	11.00	4.30				0.08	24.00
7		3.30	14.30	3.00	1.30	1.30		0.20	24.00
8		22.30	1.00	0.30				0.06	24.00
9		24.00						Zero	24.00
10		12.00	5.30	3.30	2.30	0.30		0.16	24.00
11		12.30	11.30					0.04	24.00
12		13.00	3.30	6.30	1.00			0.12	24.00
13		6.00	7.30	6.00	4.30			0.15	24.00
14	7.30	9.30	7.00					0.04	24.00
									336.00 hrs.

EXHIBIT No. 148 (Continued)

**Total Hours of Sulphur Dioxide Readings Per Month, Growing Season 1947  
N.R.C. Recorder Station Near McKinnon Industries**

	May Hrs.Min.	June Hrs.Min.	July Hrs.Min.	August Hrs.Min.	September Hrs.Min.	October Hrs.Min.
Time Recorder Not Operated	6.30	22.45	15.00	32.15	0.00	23.20
Hours of Zero Readings	482.05	454.30	550.00	588.45	513.45	283.25
Hours of Trace—0.04 P.P.M.	208.50	214.15	148.00	109.30	155.15	392.15
Hours of 0.05—0.10 P.P.M.	42.10	25.30	17.15	10.30	37.30	38.30
Hours of 0.11—0.15 P.P.M.	3.45	3.00	10.00	3.00	10.30	5.00
Hours of 0.16—0.25 P.P.M.	0.40	0.00	3.45	0.00	3.00	1.30
Hours of Readings above 0.25 P.P.M.	0.00	0.00	0.00	0.00	0.00	0.00
Total Duration of Sulphur Dioxide From Traces to Maximum Readings	<u>255.25</u>	<u>242.45</u>	<u>179.00</u>	<u>123.00</u>	<u>206.15</u>	<u>437.15</u>
Maximum Concentration of Sulphur Dioxide in P.P.M.	0.24	0.13	0.20	0.15	0.21	0.19

EXHIBIT No. 149

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In the  
Supreme  
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Monthly  
summary  
as in  
Exhibit 147

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947

1597

EXHIBIT NO. 150

N. R. C. Recorder Station, Near McKinnon Industries.

Average Dust

Concentration

Milligrams per Cu. M.

Prevailing Wind

	Date 1947	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.	
10	May 1	11.15-16.00	4.75	0.359	0.264	S N NE	70 25 5	5.8 6.0 10.5
	May 1 16.15	15.0	0.053	0.157	E-NE	100	11.3	
	May 2, 7.15							
	May 2	7.30-11.15	3.75	0.625	0.316	S W E	6 27 67	8.0 3.0 7.5
20	May 2	11.45-16.15	4.50	0.131	0.470	S NE	39 61	8.0 8.0
	May 2 16.30				S-SE N-NW	63 21	5.4 3.0	
	May 5-7.30	63.0	0.141	0.032	E-NE	16	5.7	
	May 5	7.45-11.30	3.75	0.441	0.276	SW S	80 20	9.0 4.0
30	May 5	11.45-16.15	4.50	0.124	0.808	SW NW W	72 28 40	9.0 8.8 7.0
	May 5-16.30							
	May 6-7.30	15.0	0.088	0.082	NW	60	7.0	
	May 6	7.45-11.30	3.75	0.545	0.102	W-SW	100	9.3
	May 6	11.45-16.15	4.50	0.483	0.498	SW NW	72 28	9.5 12.0
	May 6-16.30	15.0			W	53	10.6	
40	May 7-7.30		0.033	0.092	NW	47	10.0	
	May 7	7.45-11.30	3.75	Trace	0.306	NW	100	8.0
	May 7	11.45-16.15	4.50	0.238	0.110	NW	100	10.7
	May 7-16.30					NW	43	13.4
	May 8-7.30	15.0	0.055	0.075	W	57	12.0	
	May 8	7.45-11.30	3.75	0.387	0.231	NW	100	12.5
	May 8	11.45-16.15	4.50	0.019	0.486	NW	100	12.5
50	May 8-16.30					NW	57	11.7
	May 9-7.30	15.0	0.011	0.093	W	43	11.5	
	May 9	7.45-16.15	8.5	0.133	0.149	NW	100	11.0
	May 9-16.30					N-NW	24	9.8



## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

		Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
Date 1917	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test		
10	May 12- 7.30	63.0	0.131	0.060	W-SW S	72 4	7.7 6.0
	May 12 7.45-11.30	3.75	0.656	0.362	SW	100	14.6
	May 12 11.45-16.15	4.50	0.761	0.394	SW	100	18.0
	May 12-16.30						
	May 13- 7.30	15.0	0.338	0.208	SW	100	12.0
20	May 13 7.45-11.30	3.75	0.761	0.525	W-SW	100	11.0
	May 13 11.45-16.15	4.50	0.545	0.505	SW	100	11.0
	May 13-16.30						
	May 14- 7.30	15.0	0.094	0.116	E-NE	100	15.0
	May 14 7.45-11.30	3.75	Trace	0.093	E-NE	100	19.0
	May 14-16.30				E	87	8.8
	May 15- 7.30	15.0	0.164	0.126	N	13	4.0
30	May 15 7.45-11.30	3.75	0.430	0.216	N	100	4.0
	May 15 11.45-16.15	4.50	0.061	0.367	N NE	72 28	4.0 5.0
	May 15-16.30				SW	74	6.0
	May 16- 7.30	15.0	0.098	0.172	NE S	10 16	5.0 6.0
	May 16 7.45-11.30	3.75	0.383	0.166	SW	100	8.5
40	May 16 11.45-16.15	4.5	0.512	0.263	SW NW	28 72	8.5 9.0
	May 16-16.30				S-SE	25	7.0
	May 19-11.30	67.0	0.200	0.082	W-SW N-NW E-NE	11 31 33	6.0 3.7 4.5
	May 19 11.45-16.15	4.50	0.467	0.353	SW	100	8.0
	May 19-16.30				SW	87	8.0
	May 20- 7.30	15.0	0.303	0.089	S	13	5.0
50	May 20 7.45-11.30	3.75	0.512	0.437	SW NW	60 40	9.0 12.0
	May 20 11.45-16.15	4.50	0.217	0.123	NW	100	12.0

*In the  
Supreme  
Court of  
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Exhibit  
No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1917 to 14th  
Nov., 1917  
Continued*

## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947  
Continued

	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
	May 20-16.30				NW	10	12.0
	May 21- 7.30	15.0	0.217	0.137	E-NE	43	6.0
					S-SE	47	7.0
	May 21				SE	73	10.0
	7.45-11.30	3.75	0.531	0.304	SW	27	13.0
	May 21						
	11.45-16.15	4.50	0.088	0.049	SW	100	13.0
	May 21-16.30				S	34	4.5
20	May 22- 7.30	15.0	0.189	0.041	W-SW	43	8.0
					NW	23	13.0
	May 22						
	7.45-11.30	3.75	0.145	0.217	SW	100	5.5
	May 22						
	11.45-16.15	4.50	0.207	0.113	SW	100	5.5
	May 22-16.30				SW	10	5.5
	May 23- 7.30	15.0	0.143	0.077	S	90	5.0
	May 23				S	5	5.0
	7.45-11.30	3.75	0.680	0.321	SW	95	11.5
30	May 23						
	11.45-16.15	4.50	0.560	0.172	SW	100	11.5
	May 23-16.30				S-SE	6	4.5
	May 26- 7.30	63.0	0.125	0.064	SW	28	13.0
					N-NW	31	6.0
					NE	35	6.0
	May 26						
	7.45-11.30	3.75	0.117	0.129	SW	100	16.0
	May 26						
	11.45-16.15	4.50	0.418	0.159	SW	100	16.0
40	May 26-16.30				SW	43	11.5
	May 27- 7.30	15.0	0.165	0.112	NW	43	7.0
					S	14	3.0
	May 27						
	7.45-11.30	3.75	0.512	0.342	SW	100	7.0
	May 27						
	11.45-16.15	4.50	0.218	0.192	SW	100	7.0
	May 27-16.30				SW	53	4.6
	May 28- 7.30	15.0	0.096	0.102	S	47	3.9
	May 28						
	7.45-11.30	3.75	0.247	0.155	N	100	3.0
50	May 28						
	11.45-16.15	4.50	0.680	0.075	N	100	3.0
	May 28-16.30						
	May 29- 7.30	15.0	0.131	0.071	N	10	3.0
					E-NE	83	9.0
					SE	7	7.0

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.

		Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
Date 1947	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test		
10	May 29 7.45-11.30	3.75	1.09	0.193	S-SE SW	60 40	5.4 19.0
	May 29 11.45-16.15	4.50	0.728	0.077	SW	100	19.0
	May 29, 15.30 May 30, 7.30	15.0	0.144	0.046	W-SW NW	67 33	12.0 21.0
20	May 30 7.45-11.30	3.75	0.479	0.048	NW W	53 47	13.0 12.0
	May 30 11.45-16.15		0.642	0.161	NW SW	50 50	13.0 11.5
	May 30, 16.30 June 2, 7.30	13.0	0.184	0.042	S-SW S-SE	87 13	10.3 4.5
	June 2, 7.45-11.30	3.75	0.318	0.101	S SW NW	34 40 26	5.5 4.0 4.5
30	June 2, 11.45-16.15	4.50	0.128	0.128	NW W NE	28 55 17	4.5 3.0 13.0
	June 2, 16.30 June 3, 7.30	15.0	0.048	0.067	NE N	90 10	11.0 5.5
40	June 3 7.45-11.30	3.75	Trace	0.093	N-NW	100	7.5
	June 3, 11.45-16.15	4.50	0.281	0.081	NW NE N-NW	39 61 63	7.0 8.0 4.0
	June 3, 16.30 June 4, 7.30	15.0	0.150	0.153	W W	37 33	2.0 2.0
	June 4, 7.45-11.30	3.75	0.348	0.053	S	67	7.0
	June 4, 11.45-16.15	4.50	0.326	0.192	SE	100	8.5
50	June 4, 16.30 June 5, 7.30	15.0	0.289	0.172	E-NE NW	50 20	5.7 1.0
	June 5, 7.45-11.30	3.75	0.743	0.235	S S SW	30 20 80	4.0 4.0 12.0
	June 5, 11.45-16.15 June 5, 16.30	4.50	0.518	0.149	SW	100	12.0

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued*

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947  
Continued

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EXHIBIT NO. 150 (Continued)  
N. R. C. Recorder Station, Near McKinnon Industries.

		Average Dust Concentration			Prevailing Wind		
		Milligrams per Cu. M.					
	Date 1947	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
10	June 6, 7.30	15.0	0.435	0.111	SW	100	10.0
	June 6, 7.45-11.30	3.75	0.535	0.200	W NW	33 67	12.0 10.0
	June 6, 11.30-16.15	4.50	0.374	0.213	NW SW	28 72	10.0 8.0
	June 6, 16.30				S-SE	25	3.5
	June 9, 7.30	63.0	0.169	0.104	W-SW N-NW E-NE	24 26 25	5.0 5.5 7.0
	June 9, 7.45-11.30	3.75	0.500	0.171	NE S-SE	54 46	8.5 2.7
20	June 9, 11.45-16.15	4.50	0.317	0.337	NE	100	8.5
	June 9, 16.30				W	37	3.0
	June 10, 7.30	15.0	0.203	0.234	NW E-NE	37 26	4.5 7.0
	June 10, 7.45-11.30	3.75	0.443	0.170	N	100	3.0
	June 10, 11.45-16.15	4.50	0.750	0.226	SW	100	11.0
30	June 10, 16.30				S	23	4.0
	June 11, 7.30	15.0	0.205	0.112	SW	77	11.0
	June 11, 7.45-11.30	3.75	0.559	0.251	SW	100	13.0
	June 11, 11.45-16.15	4.50	1.173	0.073	SW	100	13.0
	June 11, 16.30				SW	26	13.0
	June 12, 7.30	15.0	0.141	0.047	NW	74	8.7
	June 12, 7.45-11.30	3.75	Trace	0.070	N-NW N	100 83	7.0 8.0
40	June 12, 11.45-16.15	4.50	0.290	0.182	E-NE N	17 26	6.5 2.5
	June 12, 16.30				N	26	2.5
	June 13, 7.30	15.0	0.330	0.241	E-NE E	74 33	5.0 4.0
	June 13, 7.45-11.30	3.75	0.523	0.171	SE SE	67 23	12.0 12.0
	June 13, 11.45-16.15	4.50	0.397	0.167	NE E-NE	77 15	10.0 5.0
	June 13, 16.30				E-NE	15	5.0
	June 16, 7.30	63.0	0.118	0.069	NW W-SW	13 72	3.7 7.0
50	June 16, 7.45-11.30	3.75	0.444	0.115	W	100	7.0
	June 16, 11.45-16.15	4.50	0.550	0.240	W NW	28 72	7.0 9.5
	June 16, 16.30				NW	60	5.0
	June 17, 7.30	15.0	0.284	0.166	NE SW	17 23	5.5 3.0

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.  
 Average Dust  
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	Date 1947	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
10	June 17, 7.45-11.30	3.75	0.107	0.284	SW	100	3.5
	June 17, 11.45-16.15	4.50	Trace	0.182	SW N	6 94	3.5 6.0
	June 17, 16.30				NW	70	6.0
	June 18, 7.30	15.00	0.192	0.090	W	93	4.0
	June 18, 7.45-16.15	8.50	0.199	0.107	N-NW	100	6.0
20	June 18, 16.30						
	June 19, 7.30	15.0	0.126	0.197	N-NW	100	5.6
	June 19, 7.45-16.30	8.75	0.239	0.024	N-NW	100	6.0
	June 19, 16.45				NW	21	3.0
	June 20, 7.30	14.75	0.194	0.113	NE W-SW	15 64	5.0 2.7
	June 20, 7.45-16.15	8.5	0.150	0.117	N NE	66 34	5.0 10.0
	June 20, 16.30				E-NE	41	7.7
30	June 23, 7.30	63.0	0.148	0.071	N-NW W-SW	24 27	3.7 2.0
	June 23, 7.45-11.30	3.75	0.150	0.175	SE N	8 47	4.0 5.0
	June 23, 11.45-16.15	4.50	0.343	0.322	NE	53	7.0
	June 23, 16.30				W-SW	100	7.0
	June 24, 7.30	15.0	0.353	0.228	N	57	4.0
	June 24, 7.45-11.30	3.75	0.773	0.222	W-SW	43	2.5
40	June 24, 16.30				SW	100	6.5
	June 25, 7.30	15.0	0.396	0.131	NW	27	7.0
	June 25, 7.45-11.30	3.75	0.705	0.310	W-SW NW	73 60 40	5.5 7.2 11.0
	June 25, 11.45-16.15	4.5	0.685	0.093	NW SW	23 72	11.0 9.0
	June 25, 16.30						
50	June 26, 7.30	15.00	0.076	0.061	W-SW S	87 13	7.5 4.0
	June 26, 7.45-11.30	3.75	0.412	0.074	S	100	4.0
	June 26, 11.45-16.15	4.50	0.695	0.136	SW	100	8.0

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EXHIBIT NO. 150 (Continued)  
Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind			Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test		
June 26, 16.30							
June 27, 7.30	15.0	0.159	0.074	SW S	60 40	5.0 2.5	
June 27, 7.45-11.30	3.75	0.325	0.190	SW	100	6.0	
June 27, 11.45-16.15	4.50	0.082	0.246	SW	100	6.0	
June 27, 16.30							
June 30, 7.30	63.0	0.099	0.054	W-SW S NW	64 35 1	5.0 3.8 4.0	
June 30 7.45-11.30	3.75	0.03	0.080	N-NW	100	5.0	
June 30, 11.45-16.15	4.50	0.159	0.231	N	100	6.0	
June 30, 16.30							
July 2, 7.30	39.0	0.042	0.029	S W-SW N-NW	23 49 28	3.7 6.4 8.7	
July 2, 7.45-11.30	3.75	0.452	0.313	NW	100	9.0	
July 2, 11.45-16.15	4.50	0.110	0.276	N-NW	100	9.0	
July 2, 16.30							
July 3, 7.30	15.0	0.174	0.125	N-NW W-SW	40 60	7.5 4.5	
July 3, 7.45-16.15	8.50	0.342	0.171	W-SW NW	26 74	5.7 7.0	
July 3, 16.30							
July 4, 7.30	15.0	0.153	0.071	NW SW	30 70	7.0 2.0	
July 4, 7.45-11.30	3.75	0.498	0.268	SW NW	46 54	2.5 6.0	
July 4, 11.45-16.15	4.50	0.039	0.136	NW SW	95 5	6.0 7.0	
July 4, 16.30							
July 7, 7.30	63.0	0.134	0.039	S W-SW N-NW	31 60 9	4.8 4.8 5.0	
July 7, 7.45-11.30	3.75	0.135	0.296	NE	100	14.5	
July 7, 11.45-16.15	4.50	0.217	0.130	NE-E	100	11.0	

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## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	July 7, 16.30 July 8, 7.30	15.0	0.105	0.175	E-NE N	77 23	9.7 6.0
	July 8, 7.45-16.15 July 8, 16.30 July 9, 7.30	8.5	0.225	0.062	NE-E	100	13.8
	July 9, 7.45-11.30	3.75	0.666	0.448	E	100	8.0
20	July 9, 11.45-16.15 July 9, 16.30 July 10, 7.30	4.50	0.481	0.195	E-NE	100	11.0
	July 10, 7.45-11.30	15.0	0.278	0.156	E-NE S	93 7	7.0 5.0
	July 10, 11.45-16.15 July 10, 16.30 July 11, 7.30	3.75	0.350	0.366	S N NE	7 80 13	5.0 6.0 7.5
30	July 11, 7.45-11.30 July 11, 11.45-16.15	4.50	0.338	0.081	NE	100	7.5
	July 11, 16.30 July 14, 7.30	15.0	0.304	0.241	NE N-SW	80 70	7.5 3.7
	July 11, 7.45-11.30 July 11, 11.45-16.15	3.75	0.710	0.055	SW	100	4.5
40	July 11, 16.30 July 14, 7.30	4.50	0.431	0.352	SW S	61 39	4.5 5.0
	July 14, 7.45-11.30	63.0	0.103	0.031	S W-SW NW NE	18 71 7 4	5.0 5.4 5.5 4.5
	July 14, 7.45-11.30	3.75	0.326	0.115	S SW	33 67	6.0 7.0
50	July 14, 11.45-16.15	4.50	0.232	0.120	SW S NE	28 55 17	7.0 6.5 4.0
	July 14, 16.30						

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## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

	Date 1947	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind			Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
	July 15, 7.30	15.0	0.296	0.217	NE-E NW W-SW S-SE	30 7 18 45	5.5 7.0 8.5 4.5
	July 15, 7.45-11.30	3.75	0.509	0.186	S-SE	100	4.7
	July 15, 11.45-16.15	4.50	0.527	0.353	E-NE S	95 5	8.0 5.0
20	July 15, 16.30						
	July 16, 7.30	15.0	0.250	0.169	S-SE W N E	37 10 20 33	3.0 4.0 3.0 6.7
	July 16, 7.45-11.30	3.75	0.656	0.33	S N NE	33 40 27	3.5 3.0 6.5
30	July 16, 11.45-16.15	4.50	0.270	0.122	NE-E	100	5.0
	July 16, 16.30						
	July 17, 7.30	15.0	0.358	0.282	E N-NW W	40 27 33	3.5 2.0 3.0
	July 17, 7.45-11.30	3.75	0.554	0.270	W N	47 53	4.5 4.5
	July 17, 11.45-16.15	4.50	0.316	0.450	N	100	4.5
40	July 17, 16.30						
	July 18, 7.30	15.0	0.211	0.081	SW	100	6.0
	July 18, 7.45-11.30	3.75	0.553	0.151	SW	100	8.0
	July 18, 11.45-16.15	4.50	0.645	0.144	SW	100	8.0
	July 18, 16.30						
	July 21, 7.30	63.0	0.098	0.056	W-SW N-NW S	49 33 18	5.5 8.8 5.0
50	July, 21, 7.45-16.15	8.5	0.144	0.109	N W NE S	47 41 9 3	5.5 6.5 3.5 5.5

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	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	July 21, 16.30						
	July 22, 7.30	15.0	0.095	0.210	N-NW NE	60 40	7.0 7.5
	July 22, 7.45-11.30	3.75	0.460	0.280	NE	100	11.5
	July 22, 11.45-16.15	4.50	0.598	0.277	NE	100	11.5
20	July 22, 16.30						
	July 23, 7.30	15.0	0.104	0.096	NW W	60 40	13.0 14.0
	July 23, 7.45-11.30	3.75	0.446	0.305	W	100	13.5
	July 23, 11.45-16.15	4.50	0.578	0.404	W	100	13.0
	July 23, 16.30						
	July 24, 7.30	15.0	0.191	0.096	W-SW	100	10.0
	July 24, 7.45-11.30	3.75	0.618	0.488	W	100	10.5
30	July 24, 11.45-16.15	4.50	0.443	0.376	W-SW	100	9.0
	July 24, 16.30						
	July 25, 7.30	15.0	0.235	0.092	W-SW	100	6.7
	July 25, 7.45-11.30	3.75	0.251	0.232	W	100	7.5
	July 25, 11.45-16.15	4.50	0.302	0.222	NW W-SW	67 33	7.0 7.0
40	July 25, 16.30						
	July 28, 7.30	63.0	0.117	0.043	W-SW S-SE NW	63 22 15	8.0 4.8 8.5
	July 28, 7.45-11.30	3.75	0.049	0.158	W NW	20 80	6.0 5.0
	July 28, 11.45-16.15	4.50	0.066	0.109	NW	100	5.0
	July 28, 16.30						
	July 29, 7.30	15.0	0.053	0.049	NW SW S	23 50 27	5.0 4.0 3.0
50	July 29, 7.45-11.30	3.75	0.260	0.168	W-SW	100	6.0

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Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

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	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
	July 29, 11.45-16.15	4.50	0.249	0.361	W NW	5 95	6.0 7.5
	July 29, 16.30 July 30, 7.30	15.0	0.161	0.170	NW W-SW S	17 63 20	7.5 10.5 4.0
	July 30, 7.45-11.30	3.75	0.133	0.128	SW	100	16.0
20	July 30, 11.45-16.15	4.50	0.410	0.324	SW	100	16.0
	July 30, 16.30 July 31, 7.30	15.0	0.120	0.177	W-SW NW	80 20	12.0 5.5
	July 31, 7.45-11.30	3.75	0.049	0.141	NW W	67 33	12.0 7.0
	July 31, 11.45-16.15	4.50	0.343	0.266	N-NW	100	12.5
30	July 31, 16.30 Aug. 1, 7.30	15.0	0.032	0.070	N NE W	63 30 7	9.5 2.0 3.5
	Aug. 1, 7.45-11.30	3.75	0.084	0.325	W N	20 80	3.5 6.0
	Aug. 1, 11.45-16.15	4.50	0.126	0.329	N NE	17 83	6.0 7.0
40	Aug. 1, 17.00 Aug. 6, 7.30	62.5	0.199	0.085	E-NE N-NW S-SE	56 27 17	5.0 4.0 3.5
	Aug. 6, 7.45-11.30	3.75	0.336	0.526	S	100	5.0
	Aug. 6, 11.45-16.15	4.50	0.079	0.438	S	100	5.0
	Aug. 6, 16.30 Aug. 7, 7.30	15.0	0.233	0.190	S NE	77 23	5.7 2.5
50	Aug. 7, 7.45-11.30	3.75	0.131	0.341	SW S	27 73	5.5 6.0
	Aug. 7, 11.45 -16.15	4.50	0.051	0.332	SW	100	5.5

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.  
 Average Dust  
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	Date 1947	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
10	Aug. 7, 16.30 Aug. 8, 7.30	15.0	0.302	0.204	SW NW NE	50 23 27	5.5 2.5 2.0
	Aug. 8, 7.45-11.30	3.75	0.498	0.531	N-NW	100	6.0
	Aug. 8, 11.45-16.15	4.50	—	—	N	100	7.0
20	Aug. 8, 16.30 Aug. 11, 7.30	63.0	0.187	0.099	E-NE N-NW S Calm	65 19 12 4	5.0 8.5 3.0 3.0
	Aug. 11, 7.45-11.30	3.75	0.870	0.880	S	100	3.0
	Aug. 11, 11.45-16.15	4.50	0.352	0.301	S	100	3.0
	Aug. 11, 16.30 Aug. 12, 7.30	15.0	0.209	0.310	S SW	50 50	3.0 5.5
30	Aug. 12, 7.45-11.30	3.75	0.855	0.507	SW	100	5.5
	Aug. 12, 11.45-16.15	4.50	0.320	0.266	SW SW	100 50	5.5 5.5
	Aug. 12, 16.30 Aug. 13, 7.30	15.0	0.351	0.128	S	50	2.5
	Aug. 13, 7.45-11.30	3.75	0.829	0.227	SW	100	8.0
	Aug. 13, 11.45 Aug. 14, 7.30	19.75	0.168	0.083	SW	100	8.5
40	Aug. 14, 7.45-11.30	3.75	0.478	0.535	SW	100	9.0
	Aug. 14, 11.45 Aug. 15, 7.30	19.75	0.170	0.123	W-SW SW	100 73	6.0 5.0
	Aug. 15, 7.45-11.30	3.75	0.090	0.202	NE	27	6.0
	Aug. 15, 11.45-16.15	4.50	0.220	0.198	NE	100	6.0
	Aug. 15, 16.30 Aug. 18, 7.30	63.0			S-SE W-SW NW E-NE Calm	13 9 6 69 3	2.8 3.0 2.2 7.0
50			0.153	0.266			

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 N. R. C. Recorder Station, Near McKinnon Industries.

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Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
Aug. 18, 7.45-11.30	3.75	0.630	0.263	NW SW	60 40	2.0 7.5
Aug. 18, 11.45-16.15	4.50	0.326	0.150	SW	100	7.5
Aug. 18, 16.30				SW	36	5.2
Aug. 19, 7.30	15.0	0.115	0.051	S-SE NW E	43 7 14	5.0 6.0 8.0
Aug. 19, 7.45-16.15	8.50	0.174	0.094	E-NE W-SW S	41 41 18	7.0 3.5 3.0
Aug. 19, 16.30				S	87	1.7
Aug. 20, 7.30	15.0	0.256	0.104	W	13	2.0
Aug. 20, 7.45-16.15	8.50	0.273	0.122	S E-NE	9 91	1.5 8.5
Aug. 20, 16.30				E-NE	83	6.0
Aug. 21, 7.30	15.0	0.282	0.074	SW	17	4.0
Aug. 21, 7.45-11.30	3.75	0.575	0.115	SW NW	91 9	4.0 7.0
Aug. 21, 11.45-16.15	4.50	0.376	0.235	N	100	5.0
Aug. 21, 16.30						
Aug. 22, 7.30	15.0	0.283	0.215	E-NE	100	5.0
Aug. 22, 7.45-11.30	3.75	0.446	0.395	E-NE	100	8.2
Aug. 22, 11.45-16.15	4.50	0.361	0.281	NE	100	10.5
Aug. 22, 16.30				E-NE	26	5.5
Aug. 25, 7.30	63.0	0.158	0.080	N W-SW S	11 41 22	4.0 4.7 2.6
Aug. 25, 7.45-11.30	3.75	0.246	0.197	W-SW NW	60 40	5.2 8.0
Aug. 25, 11.45-16.15	4.50	0.123	0.294	N-NW	100	6.2
Aug. 25, 16.30				N	90	4.5
Aug. 26, 7.30	15.0	0.206	0.159	NE	10	10.0
Aug. 26, 7.45-11.30	3.75	0.409	0.350	E	100	5.5
Aug. 26, 11.45-16.15	4.50	0.314	0.360	E	100	5.5
Aug. 26, 16.30				E	40	5.5

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EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
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	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	Aug. 27, 7.30	15.0	0.382	0.255	SE	60	3.0
	Aug. 27, 7.45-11.30	3.75	0.385	0.337	SE E-NE	20 80	2.0 8.7
	Aug. 27, 11.45-16.15	4.50	0.416	0.227	NE	100	9.0
	Aug. 27, 16.30						
	Aug. 28, 7.30	15.0	0.278	0.162	E-NE	33	7.0
					S-SE	60	4.8
					SW	7	5.0
20	Aug. 28, 7.45-11.30	3.75	0.756	0.216	W-SW	100	9.0
	Aug. 28, 11.45-16.15	4.50	0.429	0.109	W NW	61 39	13.0 8.0
	Aug. 28, 16.30						
	Aug. 29, 7.30	15.0	0.075	0.103	NW	33	8.0
					NE	54	8.0
					SE	13	3.0
30	Aug. 29, 7.45-11.30	3.75	0.106	0.303	E	100	9.0
	Aug. 29, 11.45-16.15	4.50	0.423	0.170	E	100	9.0
	Aug. 29, 16.30						
	Sept. 2, 7.30	87.0	0.152	0.072	E-NE N-NW W-SW S-SE	36 11 23 30	6.0 5.5 6.8 5.0
40	Sept. 2, 7.45-16.15	8.50	0.412	0.049	W NW	32 68	6.0 12.0
	Sept. 2, 16.30						
	Sept. 3, 7.30	15.0	0.170	0.121	NW W-SW	17 83	4.0 6.0
	Sept. 3, 7.45-11.30	3.75	0.612	0.137	W NW	60 40	3.5 5.0
	Sept. 3, 11.45-16.15	4.50	0.336	0.294	NW SW	95 5	5.0 6.0
50	Sept. 3, 16.30						
	Sept. 4, 7.30	15.0	0.213	0.096	W-SW S N-NW	30 40 30	4.0 3.5 3.7

## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
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No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947  
Continued

	Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
	Sept. 4, 7.45-11.30	3.75	0.222	0.195	NW	100	5.0
	Sept. 4, 11.45-16.15	4.50	0.340	0.274	NW NE	94 6	5.0 4.0
	Sept. 4, 16.30 Sept. 5, 7.30	15.0	0.486	0.372	E-NE S	47 53	3.0 2.0
20	Sept. 5, 7.45-11.30	3.75	1.10	0.110	S	100	3.0
	Sept. 5, 11.45-16.15	4.50	0.665	0.167	E	100	6.0
	Sept. 5, 16.30 Sept. 8, 7.30	63.0	0.223	0.108	S-SE W Calm N-NW E-NE	20 3 3 11 63	2.0 3.0 3.0 3.7 4.0
30	Sept. 8, 7.45-11.30	3.75	0.232	0.116	E	100	7.0
	Sept. 8, 11.45-16.15	4.50	0.378	0.168	E-NE	100	9.5
	Sept. 8, 16.30 Sept. 9, 7.30	15.0	0.172	0.185	E-NE SE	50 50	11.0 2.0
	Sept. 9, 7.45-11.30	3.75	0.685	0.107	SE SW	60 40	2.0 7.0
40	Sept. 9, 11.45-16.15	4.50	0.432	0.125	SW	100	7.0
	Sept. 9, 16.30 Sept. 10, 7.30	15.0	0.059	0.083	SW S	6 94	7.0 6.7
	Sept. 10, 7.45-16.15	8.50	0.051	0.067	S SW	15 85	6.5 9.0
	Sept. 10, 16.30 Sept. 11, 7.30	15.0	0.083	0.072	S SW	53 47	9.5 8.7
50	Sept. 11, 7.45-16.15	8.50	0.587	0.051	SW	100	8.5
	Sept. 11, 16.30 Sept. 12, 7.30	15.0	0.168	0.028	SW	100	8.0
	Sept. 12, 7.45-11.30	3.75	1.21	0.170	SW	100	7.5

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.  
 Average Dust  
 Concentration  
 Milligrams per Cu. M.

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued*

Date 1947	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind		Average Wind Velocity in M.P.H.	
		Dust	Soluble Organic Matter	Direction	% of Total Test		
10	Sept. 12, 11.45-16.15	4.50	0.468	0.085	SW	100	7.5
	Sept. 12, 16.30				SW	80	7.0
	Sept. 15, 7.30	63.0	0.082	0.027	S	20	6.0
	Sept. 15, 7.45-11.30	3.75	0.550	0.195	SW	100	6.5
	Sept. 15, 11.45-16.15	4.50	0.204	0.098	SW	5	6.5
20	Sept. 15, 16.30				NW	95	9.0
	Sept. 16, 7.30	15.0	0.246	0.067	NW	17	9.0
					W	83	7.2
	Sept. 16, 7.45-11.30	3.75	0.363	0.124	W	87	7.5
					NW	13	11.0
	Sept. 16, 11.45-16.15	4.50	0.342	0.171	NW	61	11.0
					W	39	8.0
30	Sept. 16, 16.30				W-SW	60	4.0
	Sept. 17, 7.30	15.0	0.219	0.117	S	40	5.0
	Sept. 17, 7.45-11.30	3.75	0.539	0.154	S	100	5.0
	Sept. 17, 11.45-16.15	4.50	0.617	0.034	S	100	5.0
	Sept. 17, 16.30				S	100	5.0
	Sept. 18, 7.30	15.00	0.225	0.102	S	100	5.0
40	Sept. 18, 7.45-11.30	3.75	0.441	0.051	S	46	5.0
					SW	54	8.0
	Sept. 18, 11.45-16.15	4.50	0.990	0.189	SW	100	8.0
	Sept. 18, 16.30				SW	100	7.2
	Sept. 19, 7.30	15.0	0.182	0.015	SW	100	7.2
	Sept. 19, 7.45-16.15	8.50	0.647	0.066	E-NE	56	11.0
					SW	44	7.7
50	Sept. 19, 16.30				E-NE	41	9.0
	Sept. 22, 7.30	63.0	0.103	0.043	W-SW	27	11.7
					N-NW	11	11.7
					S	13	7.7
					Calm	8	

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.

In the  
 Supreme  
 Court of  
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 Defendant's  
 Exhibit  
 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued

10

Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind			Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test		
Sept. 22, 7.45-11.30	3.75	0.102	0.091	NW	100	15.7	
Sept. 22, 11.45-16.15	4.50	0.382	0.060	NW	100	15.7	
Sept. 22, 16.30							
Sept. 23, 7.30	15.0	0.130	0.069	NW W-SW S	40 43 17	15.7 4.5 3.0	
20 Sept. 23, 7.45-11.30	3.75	0.610	0.101	SW	100	12.5	
Sept. 23, 11.45-16.15	4.50	0.792	0.132	SW	100	12.5	
Sept. 23, 16.30							
Sept. 24, 7.30	15.0	0.295	0.093	W-SW	100	7.0	
Sept. 24, 7.45-11.30	3.75	0.584	0.094	SW	100	6.5	
Sept. 24, 11.45							
Sept. 25, 7.30	19.75	0.309	0.116	W-SW N E-NE	29 28 43	7.6 7.7 7.5	
30 Sept. 25, 7.45-11.30	3.75	0.708	0.094	NE	100	10.0	
Sept. 25, 11.45-16.15	4.50	0.203	0.089	NE	100	10.0	
Sept. 25, 16.30							
Sept. 26, 7.30	15.0	0.118	0.118	NE N SW	40 47 13	10.0 6.5 2.5	
40 Sept. 26, 7.45-11.30	3.75	0.301	0.043	SW NE	47 53	2.5 10.0	
Sept. 26, 16.30							
Sept. 29, 7.30	63.0	0.220	0.083	N E-NE W-SW S-SE	9 30 25 36	6.2 6.3 6.5 4.7	
Sept. 29, 7.45-11.30	3.75	0.865	0.027	SW	100	10.6	
Sept. 29, 11.45							
50 Sept. 30, 7.30	19.75	0.430	0.063	SW NW NE	19 20 61	10.6 9.0 15.5	
Sept. 30, 7.45-16.15	8.50	0.190	0.057	NE N	38 62	13.0 10.5	



EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.

*In the  
 Supreme  
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 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued*

Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
Sept. 30, 16.30						
Oct. 1, 7.30	15.0	0.123	0.063	W-SW N	47 53	4.0 7.2
Oct. 1, 7.45-11.30	3.75	0.670	0.070	W-SW	100	7.0
Oct. 1, 11.45-16.15	4.50	1.01	0.130	W	100	9.5
Oct. 1, 16.30						
Oct. 2, 7.30	15.0	0.370	0.069	W	100	9.7
Oct. 2, 7.45-11.30	3.75	0.647	0.072	W NW	46 54	10.0 9.0
Oct. 2, 11.45-16.15	4.50	0.291	0.058	NW SW	82 18	9.0 4.0
Oct. 2, 16.30						
Oct. 3, 7.30	15.0	0.203	0.082	SW S	37 63	4.0 3.0
Oct. 3, 7.45-11.30	3.75	0.518	0.155	S	100	3.5
Oct. 3, 11.45-16.15	4.50	0.450	0.154	SW	82	5.5
Oct. 3, 16.30				S	18	3.7
Oct. 6, 7.30	63.0	0.177	0.059	S SW	43 57	5.0 8.5
Oct. 6, 7.45-11.30	3.75	0.737	0.211	SW	100	8.5
Oct. 6, 11.45-16.15	4.50	1.01	0.206	SW	100	8.5
Oct. 6, 16.30						
Oct. 7, 7.30	15.0	0.343	0.144	SW	100	8.5
Oct. 7, 7.45-16.15	8.50	0.336	0.108	SW	100	8.5
Oct. 7, 16.30						
Oct. 8, 7.30	15.0	0.235	0.037	SW N	93 7	6.7 8.5
Oct. 8, 7.45-11.30	3.75	0.035	0.010	N	100	8.5
Oct. 8, 11.45-16.15	4.50	0.348	0.017	N NE	28 72	8.5 12.0
Oct. 8, 16.30						
Oct. 9, 7.30	15.0	0.158	0.092	E-NE	100	9.7

## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
Oct. 9, 7.45-16.15	8.50	0.311	0.044	E-NE	100	10.0
Oct. 9, 16.30						
Oct. 10, 7.30	15.0	0.274	0.196	E	100	4.0
Oct. 10, 7.45-16.15	8.50	0.416	0.363	E-NE	100	6.0
Oct. 10, 16.30						
Oct. 14, 7.30	57.0	0.358	0.196	E-NE	32	5.0
				NW	4	8.0
				W-SW	40	5.0
				S-SE	24	2.0
Oct. 14, 7.45-11.30	3.75	1.03	0.218	S	100	2.5
Oct. 14, 11.45-16.15	4.50	0.512	0.381	S	5	2.5
				NE	90	5.0
				SW	5	4.0
Oct. 14, 16.30						
Oct. 15, 7.30	15.0	0.138	0.117	SW	13	4.0
				S	87	4.0
Oct. 15, 7.45-11.30	3.75	0.203	0.203	S	60	3.5
				SW	40	5.5
Oct. 15, 16.30						
Oct. 16, 7.30	15.0	0.441	0.110	SW	30	5.5
				S	70	2.0
Oct. 16, 7.45-11.30	3.75	1.19	0.244	S	73	2.0
				SW	27	2.0
Oct. 16, 11.45						
Oct. 17, 7.30	19.75	0.377	0.105	E-NE	52	5.2
				SE	48	1.5
Oct. 17, 7.45-16.15	8.50	0.527	0.126	SE	26	2.0
				S-SW	74	5.0
Oct. 17, 16.30						
Oct. 20, 7.30	53.0	0.232	0.153	W-SW	40	5.0
				S-SE	37	3.5
				NW	11	6.5
				NE	12	3.5
Oct. 20, 7.45-11.30	3.75	0.462	0.067	SW	100	8.0
Oct. 20, 11.45-16.15	4.5	0.855	0.598	SW	100	8.0
Oct. 20, 16.30						

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Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947  
Continued

## EXHIBIT NO. 150 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N. R. C. Recorder Station, Near McKinnon Industries.

	Date 1947	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind		Average Wind Velocity in M.P.H.
			Dust	Soluble Organic Matter	Direction	% of Total Test	
10	Oct. 21, 7.30	15.0	0.316	0.211	SW	100	6.4
	Oct. 21, 7.45-16.15	8.50	0.321	0.359	SW N-NW	9 91	4.7 5.0
	Oct. 21, 16.30						
	Oct. 22, 7.30	15.0	0.540	0.236	N S-SE	10 90	5.0 2.5
	Oct. 22, 7.45-11.30	3.75	0.908	0.205	S W-SW	20 80	2.5 6.0
20	Oct. 22, 11.45-16.15	4.50	0.912	0.357	SW	100	8.0
	Oct. 22, 16.30						
	Oct. 23, 7.30	15.0	0.445	0.170	SW	100	10.0
	Oct. 23, 7.45-16.15	8.50	0.092	0.102	NW NE	74 26	14.0 14.6
	Oct. 23, 16.30						
	Oct. 24, 7.30	15.0	0.023	0.121	E-NE	100	11.8
30	Oct. 24, 7.45-16.15	8.50	0.370	0.120	E	100	9.0
	Oct. 24, 16.30						
	Oct. 27, 7.30	63.0	0.310	0.148	E-NE N SW S	20 4 47 29	5.0 3.0 3.6 2.6
	Oct. 27, 7.45-16.15	8.50	0.386	0.710	S SW N NE	38 24 35 3	3.7 5.5 4.0 2.0
40	Oct. 27, 16.30						
	Oct. 28, 7.30	15.0	0.284	0.183	S SW NE	60 13 27	8.0 6.0 2.0
	Oct. 28, 7.45-16.15	8.50	0.306	0.024	S SW	27 73	6.0 4.5
	Oct. 28, 16.30						
50	Oct. 29, 7.30	15.0	0.319	0.098	SW S-SE E	20 47 33	6.2 5.0 7.0
	Oct. 29, 7.45-16.15	8.50	0.021	0.206	S-SE SW	47 53	4.5 6.0
	Oct. 29, 16.30						
	Oct. 30, 7.30	15.0	0.137	0.102	SE E	13 87	5.0 8.5

*In the  
Supreme  
Court of  
Ontario  
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Exhibit  
No. 150  
Table of  
dust and  
wind  
velocity  
1st May,  
1947 to 14th  
Nov., 1947  
Continued*

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.

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 Court of  
 Ontario  
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 Exhibit  
 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued

10

20

30

40

50

Date 1947	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
Oct. 30, 7.45-16.15	8.50	0.172	0.121	E-NE	100	8.5
Oct. 30, 16.30						
Oct. 31, 7.30	15.0	0.152	0.031	NE	100	8.0
Oct. 31, 7.45-16.15	8.50	0.102	0.022	E	100	9.5
Oct. 31, 16.30						
Nov. 3, 7.30	63.0	0.222	0.299	E-NE SE	84 16	7.0 3.5
Nov. 3, 7.45						
Nov. 4, 7.30	23.75	0.144	0.290	E	100	7.8
Nov. 4, 7.45-16.15	8.50	0.032	0.033	E	100	6.5
Nov. 4, 16.30						
Nov. 5, 7.30	15.0	0.090	0.086	E S-SE SW	50 27 23	6.5 3.5 3.5
Nov. 5, 7.45-16.15	8.50	0.279	0.286	SW S-SE	30 70	3.2 3.5
Nov. 5, 16.30						
Nov. 6, 7.30	15.0	0.440	0.303	W-SW E	87 13	4.7 3.0
Nov. 6, 7.45-16.15	8.50	0.541	0.482	W-SW	100	7.0
Nov. 6, 16.30						
Nov. 7, 7.30	15.0	0.214	0.482	W-SW SE	87 13	5.6 8.5
Nov. 7, 7.45-16.15	8.50	0.266	0.091	S-SE	100	11.3
Nov. 7, 16.30						
Nov. 10, 7.30	63.0	0.046	0.048	S W-SW	6 94	14.2 14.0
Nov. 10, 7.45-16.15	8.50	0.373	0.097	SW S-SE	26 74	7.3 7.0
Nov. 10, 16.30						
Nov. 11, 7.30	15.0	0.575	0.100	S-SE	100	9.4
Nov. 11, 7.45-16.15	8.50	0.024	0.083	S SW	26 74	12.4 9.0
Nov. 11, 16.30						
Nov. 12, 7.30	15.0	0.019	0.137	SW NW	7 93	9.0 14.5

EXHIBIT NO. 150 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N. R. C. Recorder Station, Near McKinnon Industries.

*In the  
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 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 150  
 Table of  
 dust and  
 wind  
 velocity  
 1st May,  
 1947 to 14th  
 Nov., 1947  
 Continued*

Date 1947	Test Period Hrs.	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind			
		Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.	
10	Nov. 12, 7.45-16.15	8.50	0.634	0.078	W NW	47 53	7.5 10.0
	Nov. 12, 16.30						
	Nov. 13, 7.30	15.0	0.354	0.273	W	100	9.5
	Nov. 13, 7.45-16.15	8.50	0.610	0.231	W	100	13.0
	Nov. 13, 16.30						
	Nov. 14, 7.30	15.0	0.322	0.275	W-SW S	87 13	10.0 4.5
	Nov. 14, 7.45-16.15	8.50	0.139	0.320	S W N	20 53 27	4.5 5.0 4.0
20							

## EXHIBIT NO. 151

Meteorological Conditions on Days when Sulphur Dioxide was above  
0.10 p.p.m.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 151  
Tables  
showing  
meteor-  
ological  
conditions  
4th May,  
1947 to 21st  
Oct., 1947*

	Date 1947	Prevailing Wind Direction	Wind Velocity	Maximum SO <sub>2</sub> Concen- tration P.P.M.
	May 4	N	2.0	0.15
	4	S-SE	7.0	0.24
	6	W-SW	11.0	0.12
	8	W-NW	12.5	0.13
	19	S	3.5	0.11
	June 9	SE-E	3.7	0.11
	11	SW	13.0	0.11
	16	W	7.0	0.13
	23	SW	2.5	0.11
	24	SW-NW	7.0	0.11
	25	W	9.0	0.13
	July 15	S	3.5	0.20
	15	SE	4.5	0.18
20	23	NW	14.0	0.14
	23	W	14.0	0.19
	24	W	10.5	0.16
	Aug. 19	S	2.0	0.14
	27	SE	2.0	0.12
	27	S	6.0	0.14
	28	S	5.0	0.11
	28	W	13.0	0.15
	Sept. 2	W	6.0	0.16
	2	NW	12.0	0.14
30	5	S	3.0	0.16
	5	SE	2.0	0.11
	16	W	7.5	0.11
	17	S	5.0	0.18
	27	SE	6.0	0.21
	28	S	6.0	0.14
	Oct. 3	S	3.7	0.14
	11	SE	1.5	0.16
	17	SE	2.0	0.12
	17	S	3.5	0.19
40	21	SE	3.0	0.17

EXHIBIT NO. 152

May 1 to November 14, 1947

Averages of Dust Concentrations in Milligrams per Cu. Metre

Prevailing Wind Direction  
SW, W, and NW

Prevailing Wind Direction  
SE, E, NE, and N

Tests During Daylight Hours only, 7.30-16.30

	No. of Tests	Tests During Daylight Hours only, 7.30-16.30		No. of Tests	Tests During Daylight Hours only, 7.30-16.30	
		Dust	Soluble Organic Matter		Dust	Soluble Organic Matter
10	39	0.4356	0.2520	31	0.3513	0.2274
	26	0.3984	0.2250	26	0.3213	0.1840
	47	0.5311	0.1796			
	Total			Total		
	112	0.4670	0.2153	57	0.3375	0.2075

Night and Day Test Periods

	No. of Tests	Night and Day Test Periods		No. of Tests	Night and Day Test Periods	
		Dust	Soluble Organic Matter		Dust	Soluble Organic Matter
20	74	0.4435	0.1844	80	0.2974	0.1879
	54	0.3862	0.1848			
	Total					
	128	0.4190	0.1846			

*In the Supreme Court of Ontario Defendant's Exhibit No. 152 Table of dust concentrations in milligrams per cubic centimeter made by Dr. Katz 1st May, 1947 to 14th Nov., 1947*

## EXHIBIT No. 153

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	May 19	12.00—24.00	Zero	N—NW	8.5—10.0
	May 20	0.00— 5.45	Zero	N	3.3
		5.45— 6.15	Trace	N—NW	4.0
		6.15— 7.45	0.02		
		7.45— 8.15	Trace		
		8.15— 9.15	Zero		
		9.15— 9.45	0.02		
		9.45—11.15	Zero		
		11.15—11.45	Trace		
		11.45—21.30	Zero	N—SW	4.0—10.5
		21.30—23.00	Trace	SW	10.5
		23.00—23.30	0.01		
		23.30—24.00	0.02		
	May 21	0.00— 6.00	Zero	NW	9.0
		6.00— 6.30	Trace		
		6.30— 8.00	Zero	NW—W—SW	9.0—4.0
		8.00— 8.30	0.03	W	9.0
		8.30— 9.00	0.05		
		9.00— 9.30	0.06	NW	11.3
		9.30—10.00	0.07		
		10.00—10.30	0.05		
		10.30—11.00	0.06		
		11.00—11.30	0.03		
		11.30—12.00	0.02		
		12.00—19.30	Zero		
		19.30—20.00	0.01		
		20.00—24.00	Zero	NW	11.3
	May 22	0.00—24.00	Zero	NW—SW—W	6.0—15.0
	May 23	0.00— 6.00	Zero	W—N	4.0—3.5
		6.00— 7.00	Trace	N	3.5
		7.00— 8.00	Zero		
		8.00— 8.30	Trace		
		8.30— 9.30	Zero		
		9.30—10.00	0.02		
		10.00—10.30	Zero		
		10.30—11.00	0.02		
		11.00—11.30	0.01		
		11.30—12.00	Trace		
		12.00—12.30	0.02		
		12.30—13.00	Trace		
		13.00—15.00	Zero	N—NE	3.5—6.5
		15.00—16.00	Trace	NE	6.5
		16.00—20.30	Zero	NE—N	6.5—3.8
		20.30—21.00	Trace	N	3.8
		21.00—21.30	Zero		
		21.30—22.00	Trace		
		22.00—23.00	Zero		
		23.00—24.00	Trace		
	May 24	0.00—24.00	Zero	N—SW	3.8—4.0



## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
	May 25	0.00— 4.30	Zero	SW	1.5	
		4.30— 5.00	0.06			
		5.00— 5.30	0.06			
		5.30— 6.00	Zero			
10		6.00— 6.30	0.02			
		6.30— 7.00	0.03	SW	1.5	
		7.00— 7.30	Trace	SW	1.5	
		7.30— 8.00	0.04			
		8.00—15.30	Zero	SW—N—NW	4.5—9.0	
		15.30—16.00	0.02	SW	9.0	
		16.00—17.00	Trace	SW	9.0	
		17.00—24.00	Zero			
	May 26	0.00— 2.30	Zero	SW	2.5	
		2.30— 3.00	0.02			
20		3.00— 3.30	Trace			
		3.30— 4.00	0.02			
		4.00— 5.00	Zero			
		5.00— 5.30	0.03			
		5.30— 6.30	0.01			
		6.30— 7.00	0.02			
		7.00— 8.00	Trace			
		8.00— 8.30	Zero			
		8.30—10.00	Trace	SW—N	2.5—5.0	
		10.00—21.30	Zero	N—E	5.0—2.5	
30		21.30—22.00	0.06	E	2.5	
		22.00—22.30	Zero			
		22.30—23.00	0.03			
		23.00—23.30	0.02			
		23.30—24.00	0.02			
	May 27	0.00— 1.00	Trace	E	1.0	
		1.00— 1.30	0.02			
		1.30— 2.00	0.05			
		2.00— 2.30	Trace			
40		2.30— 3.00	0.02			
		3.00— 3.30	0.02			
		3.30— 4.00	Zero			
		4.00— 5.00	Trace			
		5.00— 5.30	Zero			
		5.30— 6.00	0.02			
		6.00— 6.30	0.03	W	2.0	
		6.30— 7.00	0.02			
		7.00— 7.30	Zero			
		7.30— 8.30	Trace			
		8.30— 9.00	0.05			
50		9.00— 9.30	0.04			
		9.30—10.00	0.02	N	5.5	
		10.00—11.00	Trace			
		11.00—12.00	0.02			
		12.00—22.00	Zero	N—NW	5.5—3.0	

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
May 28	22.00—22.30	Zero	NW	3.0	
	22.30—23.00	0.02			
	23.00—23.30	Trace			
	23.30—24.00	Zero			
	0.00— 2.00	Zero	NW	2.5	
	2.00— 2.30	0.02			
	2.30— 3.00	0.24	SE	2.5	
	3.00— 3.30	0.07			
	3.30— 4.00	0.07			
	4.00— 4.30	Zero			
	4.30— 5.00	0.03			
	5.00— 5.30	0.05			
	5.30— 7.30	Zero			
20	7.30— 8.00	0.02			
	8.00— 8.30	Trace			
	8.30— 9.00	0.03	SW	7.0	
	9.00— 9.30	Zero	SW	7.0	
	9.30—10.00	0.01			
	10.00—10.30	0.02			
	10.30—11.00	0.02			
	11.00—11.30	0.03			
	11.30—12.00	0.03			
	12.00—12.30	0.02			
	12.30—13.00	0.05			
	30	13.00—13.30	0.03	SW	7.0
		13.30—14.00	0.03		
14.00—14.30		0.02			
14.30—15.00		0.02			
15.00—15.30		Trace			
15.30—16.00		0.04			
16.00—16.30		0.04			
16.30—17.00		0.02			
17.00—24.00		Zero	SW	7.0	
40		May 29 0.00—24.00	Zero	W—NW—N	3.0—7.0
		May 30 0.00— 1.00	Zero	N	3.5
50		1.00— 2.00	Trace		
		2.00— 2.30	0.02		
	2.30—24.00	Zero			
	May 31 0.00— 1.00	Zero	N	2.0	
	1.00— 1.30	0.01			
	1.30— 5.30	Zero			
	5.30— 6.00	0.02			
	6.00— 6.30	0.03			
	6.30— 7.00	0.02			
	7.00— 7.30	0.04			
	7.30—10.30	Zero	N—NW	2.0—5.5	
	10.30—11.00	0.05	NW	5.5	
	11.00—12.30	Zero			
12.30—13.00	0.02				
13.00—24.00	Zero	N—SW	4.5—3.0		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>		
June 1	0.00— 0.30	Zero	W	2.0			
	0.30— 1.30	Trace					
	1.30— 4.00	Zero					
	4.00— 5.00	0.02					
	10	5.00— 5.30	0.03	SW		4.5	
		5.30— 6.00	0.02				
		6.00— 6.30	Trace				
		6.30— 7.00	Zero				
		7.00— 7.30	0.02				
		7.30— 8.00	Trace				
8.00— 8.30		0.03					
8.30— 9.00		0.01					
9.00— 9.30		Trace					
9.30—10.00		Zero					
20	10.00—10.30	0.02	NW	8.0			
	10.30—11.00	0.02					
	11.00—11.30	0.02					
	11.30—12.30	Zero					
	12.30—13.00	0.03					
	13.00—13.30	0.02					
	13.30—14.00	Zero					
	14.00—14.30	0.02					
	14.30—15.00	Zero					
	15.00—15.30	Trace					
30	15.30—24.00	Zero	NW—N—W	8.0—2.5			
	June 2 0.00—24.00	Zero	W—N—NE	1.0—7.0			
June 3	0.00— 2.15	Zero	N	3.0			
	2.15— 2.45	Trace					
	2.45— 3.15	0.02					
	3.15— 3.45	0.02					
	3.45— 4.15	0.02					
	4.15— 5.15	0.02					
	5.15— 5.45	0.01					
	5.45— 6.15	0.03					
	40	6.15— 6.45			0.03		
		6.45— 7.15			0.05		
7.15— 7.45		0.02					
7.45— 8.15		0.02					
8.15— 9.15		0.02					
9.15— 9.45		0.02					
9.45—10.15		Trace					
10.15—10.45		0.03					
10.45—11.15		0.05					
11.15—11.45		0.03					
50	11.45—12.15	0.02	N—NE	3.0—6.0			
	12.15—12.45	0.01					
	12.45—15.45	Zero					
	15.45—16.15	Trace					
	16.15—16.45	Zero					

## EXHIBIT No. 153 (Continued)

In the  
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Court of  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		16.45—17.15	Trace		
		17.15—20.15	Zero	NE—E	6.0—5.0
		20.15—20.45	0.05		
		20.45—21.15	0.03		
		21.15—21.45	Zero		
		21.45—22.15	Trace		
		22.15—22.45	Zero	E—S	5.0—3.0
		22.45—23.15	Trace	S	3.0
		23.15—24.00	Zero		
June	4	0.00— 8.15	Zero	S	4.5
		8.15— 8.45	Trace	S—SW	4.5—10.5
		8.45— 9.15	Zero	SW	10.5
		9.15—10.15	Trace		
		10.15—10.45	0.03		
20		10.45—11.15	0.02		
		11.15—11.45	Trace		
		11.45—12.15	0.02		
		12.15—12.45	0.02		
		12.45—13.45	0.02		
		13.45—14.15	0.02		
		14.15—15.15	0.02		
		15.15—15.45	0.01		
		15.45—16.15	Trace	SW	10.5
		16.15—24.00	Zero	SW-NE-E-W-N	10.5-5.0
30	June 5	0.00—24.00	Zero	NE—NW—N	9.0—6.7
	June 6	0.00— 1.00	Zero	N	2.0
		1.00— 1.30	0.01		
		1.30— 5.00	Zero		
		5.00— 5.30	0.01		
		5.30— 7.30	Zero		
		7.30— 8.00	Trace		
		8.00— 8.30	0.03		
		8.30— 9.00	0.03		
		9.00— 9.30	0.03	W	5.0
40		9.30—10.00	0.02		
		10.00—10.30	0.01		
		10.30—12.00	Zero	W—SW	5.0
		12.00—12.30	0.01	SW	5.0
		12.30—13.00	0.03		
		13.00—13.30	0.07		
		13.30—14.00	0.02		
		14.00—14.30	0.03		
		14.30—15.00	0.02		
		15.00—15.30	0.03		
50		15.30—22.00	Zero	SW—N—NE	5.0—2.0
		22.00—23.00	Trace	NE	2.0
		23.00—24.00	0.01	E	4.0

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>				
June 7	0.00— 0.30	0.02	SE	2.0					
	0.30— 1.00	0.01							
	1.00— 1.30	0.03							
	1.30— 2.00	0.06							
	2.00— 2.30	0.02							
	2.30— 3.00	0.01							
	3.00— 4.30	Trace							
	4.30— 5.00	0.02							
	5.00— 5.30	0.02							
	5.30— 6.00	Zero							
10	6.00— 6.30	0.02	SE—NE NE	2.0—4.8 4.8					
	6.30— 7.00	0.01							
	7.00— 7.30	0.05							
	7.30— 8.30	Trace							
	8.30—12.45	Zero							
	12.45—13.15	Trace							
	13.15—13.45	0.04							
	13.45—14.45	Trace							
	14.45—22.30	Zero							
	22.30—23.00	0.02							
20	23.00—23.30	Trace	NE—S S	1.0—2.5 2.5					
	23.30—24.00	Zero							
	June 8	0.00— 2.00				Zero			
	2.00— 2.30	Trace							
	30	2.30— 3.00				0.02	S SW	2.5 9.5	
		3.00— 3.30				0.04			
		3.30— 4.00				0.02			
		4.00— 4.30				0.03			
		4.30— 5.00				0.02			
		5.00— 5.30				Trace			
5.30— 6.00		Zero							
6.00— 7.00		Trace							
7.00— 7.30		0.03							
7.30— 8.00		0.05							
40	8.00— 8.30	0.03	SW—NE—E E	9.5—5.5 6.0					
	8.30— 9.00	0.02							
	9.00—14.30	Zero							
	14.30—15.00	0.03							
	15.00—15.30	0.03							
	15.30—21.30	Zero							
	21.30—22.00	Trace							
	22.00—22.30	Zero							
	22.30—23.30	Trace							
	23.30—24.00	Zero							
50 June 9	0.00—22.00	Zero	N—NW—SW—E E	9.0—3.0 3.0					
	22.00—23.00	0.02							
	23.00—24.00	Trace							

## EXHIBIT No. 153 (Continued)

In the  
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made by  
Dr. Katz  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	June 10	0.00— 1.00	0.02	E	3.0	
		1.00— 8.00	Zero	NW	3.0	
		8.00— 8.30	Trace			
		8.30— 9.00	0.03	W	6.0	
		9.00— 9.30	0.03			
		9.30—10.00	0.03			
		10.00—10.30	0.03	SW	8.0	
		10.30—11.00	0.03			
		11.00—11.30	0.02			
		11.30—12.00	0.03			
		12.00—24.00	Zero	SW—NW	8.0—6.0	
		June 11	0.00— 5.45	Zero	SW	6.5
			5.45— 6.15	0.02		
	6.15— 7.15		Trace			
20	7.15— 7.45		0.02			
	7.45— 8.15		0.03	SW—W	6.5—9.0	
	8.15— 8.45		0.04	W	9.0	
	8.45— 9.15		0.05			
	9.15— 9.45		0.05			
	9.45—10.15		0.03			
	10.15—10.45		0.02			
	10.45—11.15		Zero			
	11.15—11.45		0.02			
	11.45—12.15		Zero			
30	12.15—12.45		0.03			
	12.45—13.15		0.05			
	13.15—13.45		0.07			
	13.45—14.15		0.07			
	14.15—14.45	0.05	W—SW	9.0—10.0		
	14.45—15.15	0.04	SW	10.0		
	15.15—15.45	0.05				
	15.45—16.15	0.05				
	16.15—17.15	Trace				
	17.15—24.00	Zero	SW—W	10.0—3.0		
40	June 12	0.00— 2.15	Zero	W	3.0	
		2.15— 5.15	Trace			
		5.15—24.00	Zero	W—SW—N—NW	2.5—10.0	
	June 13	0.00—24.00	Zero	NW—W—SW	2.8—10.0	
	June 14	0.00—10.00	Zero	SW—W	10.5—3.9	
		10.00—10.30	Trace			
		10.30—11.00	0.01	SW	10.4	
		11.00—11.30	0.02			
		11.30—12.00	Zero			
		12.00—12.30	0.01			
50		12.30—13.00	0.02			
		13.00—13.30	0.02			
		13.30—14.00	0.03			
		14.00—14.30	0.02			
	14.30—15.00	0.04				

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
	15.00—15.30	0.08			
	15.30—16.00	0.07			
	16.00—16.30	0.09			
	16.30—17.00	0.03			
10	17.00—17.30	0.02			
	17.30—18.00	0.03			
	18.00—18.30	Trace			
	18.30—24.00	Zero	SW	10.4	
June 15	0.00—23.00	Zero	SW—W—NW—N	8.0—4.5	
	23.00—24.00	Trace	N	4.5	
June 16	0.00— 1.00	Trace	N	2.0	
	1.00— 5.00	Zero			
	5.00— 6.00	Trace			
	6.00—24.00	Zero	N—NW—SW	2.0—6.0	
20	June 17	0.00— 6.30	SW	4.5	
		6.30— 8.00	SW	4.5	
		8.00— 8.30			
		8.30— 9.00			
		9.00— 9.30			
		9.30—10.00	SW	4.5	
		10.00—10.30			
		10.30—11.00			
		11.00—11.30	W	8.0	
		11.30—12.00			
30		12.00—12.30			
		12.30—24.00	NW	7.5	
June 18	0.00— 7.30	Zero	NW	3.3	
	7.30— 8.00	0.04			
	8.00—10.00	Trace	NW	3.3	
	10.00—12.30	Zero			
	12.30—13.00	0.02			
	13.00—24.00	Zero	NW—E	3.3—4.0	
June 19	0.00—24.00	Zero	NE—N	8.2—2.5	
June 20	0.00—11.15	Zero	N—NW	2.5—4.4	
40		11.15—11.45			
		11.45—24.00	NW—SW	4.4—7.7	
June 21	0.00—10.15	Zero	SW	4.5	
	10.15—10.45	0.04			
	10.45—11.15	0.02			
	11.15—11.45	0.06			
	11.45—12.15	0.02			
	12.15—15.30	Zero	W	4.0	
	15.30—16.00	Trace			
	16.00—16.30	0.01			
50		16.30—17.00			
	17.00—24.00	Zero	W—E	4.0—4.7	
June 22	0.00— 2.00	Zero	W—E	4.0—4.7	
	2.00— 2.30	0.01			
	2.30— 3.00	0.02			
	3.00— 3.30	0.03			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
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Continued

Date	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	3.30— 4.00	Trace		
	4.00— 4.30	0.06	SE	3.3
	4.30— 5.00	0.03		
	5.00— 5.30	Trace		
	5.30— 6.00	0.09		
	6.00— 6.30	0.31	SE	3.3
	6.30— 7.00	0.12		
	7.00— 7.30	0.13	E	6.0
	7.30— 8.00	0.02		
	8.00— 8.30	0.02	SE	8.0
	8.30— 9.00	0.01		
	9.00— 9.30	0.02		
	9.30—10.00	Trace	SE	8.0
	10.00—11.00	Trace		
20	11.00—11.30	0.01	E	5.5
	11.30—12.00	0.02		
	12.00—14.30	Zero		
	14.30—15.00	Trace	E	5.5
	15.00—15.30	0.02		
	15.30—16.00	0.01		
	16.00—15.30	0.02		
	15.30—16.00	0.01		
	16.00—16.30	0.02		
	16.30—17.30	Trace		
30	17.30—24.00	Zero	E—SW	5.5—3.0
June 23	0.00—11.00	Zero	SE—NW—SW—S	3.0—10.0
	11.00—11.30	0.02		
	11.30—12.00	0.02	SW	13.0
	12.00—12.30	0.02	SW	13.0
	12.30—13.00	0.02		
	13.00—13.30	0.03		
	13.30—14.00	0.02		
	14.00—14.30	0.02	SW	13.0
	14.30—15.00	0.05		
40	15.00—15.30	0.04		
	15.30—16.00	0.02		
	16.00—16.30	0.02		
	16.30—17.00	0.01		
	17.00—17.30	0.02	SW	13.0
	17.30—18.00	0.03		
	18.00—18.30	0.03		
	18.30—19.00	0.03		
	19.00—19.30	0.03		
	19.30—20.00	0.03		
50	20.00—20.30	Trace	SW	13.0
	20.30—24.00	Zero		



## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
	June 24	0.00— 1.00	Zero	SW	14.0	
		1.00— 1.30	0.02			
		1.30— 2.00	Trace			
		2.00— 2.30	Zero			
10		2.30— 3.30	Trace	SW	14.0	
		3.30— 4.00	0.03			
		4.00— 5.00	Trace			
		5.00— 5.30	Zero			
		5.30— 6.00	0.01			
		6.00— 6.30	0.12			
		6.30— 7.00	0.10	SW	14.0	
		7.00— 7.30	0.05			
		7.30— 8.00	0.07			
		8.00— 8.30	0.04			
20		8.30— 9.00	0.05			
		9.00— 9.30	0.05			
		9.30—10.00	0.04			
		10.00—10.30	0.04	SW	14.0	
		10.30—11.00	0.05			
		11.00—11.30	0.02			
		11.30—12.00	Trace			
		12.00—12.30	0.02			
		12.30—13.00	0.05			
		13.00—13.30	0.05			
30		13.30—14.00	0.09	SW	14.0	
		14.00—14.30	0.10			
		14.30—15.00	0.10	W	12.0	
		15.00—15.30	0.14	NW	6.0	
		15.30—16.00	Zero			
		16.00—15.30	Trace			
		15.30—16.00	Zero			
		16.00—16.30	Trace			
		16.30—17.00	0.02	SW	8.0	
		17.00—18.00	Zero			
40		18.00—18.30	0.02			
		18.30—19.00	Zero	SW	8.0	
		19.00—19.30	0.03			
		19.30—20.00	Trace			
		20.00—23.00	Zero	SW	8.0	
		23.00—24.00	Trace			
	June 25	0.00— 1.00	Trace	W	8.0	
		1.00— 5.30	Zero	W—SW	8.0—5.7	
		5.30— 6.00	Trace			
		6.00— 6.30	0.04			
50		6.30— 7.00	Trace			
		7.00— 7.30	Trace	W	6.0	
		7.30— 8.00	0.05			
		8.00— 8.30	0.03	NW	6.0	
		8.30— 9.00	0.02			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
June 26	9.00— 9.30	Zero		
	9.30—10.00	0.02		
	10.00—10.30	0.06	W	8.0
	10.30—11.00	0.08		
	11.00—11.30	0.03	NW	8.5
	11.30—12.00	Trace		
	12.00—24.00	Zero	NW—N	8.5—4.5
	0.00— 7.00	Zero	NE	3.5
	7.00— 8.00	Trace		
	8.00—11.00	Trace	NE	3.5
	11.00—11.30	0.02		
	11.30—12.00	Zero		
	12.00—12.30	0.03	NE	3.5
	12.30—19.00	Zero	NE—S	3.5
	19.00—19.30	0.03		
	19.30—20.00	Trace	S	3.5
	20.00—21.00	0.02		
	21.00—21.30	Trace		
	21.30—24.00	Zero	S	3.5
	June 27	0.00— 3.30	Zero	S
3.30— 4.00		0.03		
4.00— 7.00		Zero	S	2.0—Calm
7.00— 7.30		Trace		
7.30— 8.00		0.03	S	2.0
8.00— 8.30		0.04		
8.30— 9.00		0.05		
9.00— 9.30		0.04		
9.30—10.00		0.03		
10.00—10.30		Trace	SW	5.0
June 28	10.30—24.00	Zero	SW—S	10.0—6.0
	0.00— 8.30	Zero	S—SW	6.0—10.7
	8.30— 9.00	Trace	SW	10.7
	9.00— 9.30	0.02		
	9.30—10.00	0.04		
	10.00—10.30	0.05		
	10.30—11.00	0.04	SW	10.7
	11.00—11.30	0.05		
	11.30—12.00	0.01		
	12.00—12.30	Trace		
June 29	12.30—13.00	0.02		
	13.00—13.30	0.04		
	13.30—14.00	0.04		
	14.00—14.30	0.02	SW	10.7
	14.30—15.00	0.02		
	15.00—15.30	0.03		
	15.30—16.00	0.05		
	16.00—16.30	0.07		
	16.30—17.00	0.10		
	17.00—17.30	0.02	SW	10.7

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		17.30—18.00	0.03			
		18.00—18.30	0.03			
		18.30—19.00	0.02			
		19.00—20.00	Trace			
10	June 29	20.00—24.00	Zero	S	5.7	
		0.00— 6.30	Zero	SW	15.7	
		6.30— 7.30	0.02	SW	15.7	
		7.30— 8.30	0.03			
		8.30—10.00	0.05			
		10.00—10.30	0.05			
		10.30—11.00	0.08			
		11.00—11.30	0.06	SW	15.7	
		11.30—12.00	0.03			
20		12.00—12.30	0.02			
		12.30—13.00	0.03			
		13.00—13.30	0.04			
		13.30—14.00	0.06			
		14.00—14.30	0.05	SW	15.7	
		14.30—15.00	0.02			
		15.00—15.30	0.05			
		15.30—16.00	0.10			
		16.00—16.30	0.08			
		16.30—17.00	0.03			
		17.00—17.30	0.03	SW	15.7	
30		17.30—18.00	0.02			
		18.00—24.00	Zero	SW	15.7	
	June 30	0.00— 6.00	Zero	SW—W	10.0—12.0	
		6.00— 6.30	0.06			
		6.30— 7.00	0.03	W	12.0	
		7.00— 7.30	0.03			
		7.30— 8.00	0.07			
		8.00— 8.30	0.05			
		8.30— 9.00	0.04			
		9.00— 9.30	0.05	W	12.0	
40		9.30—10.00	0.07			
		10.00—10.30	0.04			
		10.30—11.00	0.06			
		11.00—11.30	0.05	W	12.0	
		11.30—12.00	0.04			
		12.00—12.30	0.03			
		12.30—13.00	0.04			
		13.00—13.30	0.03			
		13.30—14.00	0.04	W	12.0	
		14.00—14.30	0.04			
50		14.30—15.00	0.04			
		15.00—15.30	0.06			
		15.30—16.00	0.09			
		16.00—16.30	0.03	W	12.0	
		16.30—17.00	Trace			
		17.00—19.30	Zero			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	19.30—20.30	Trace		
	20.30—24.00	Zero	W	12.0
July 1	0.00— 3.30	Zero	W	5.0
	3.30— 4.00	Trace		
	4.00—24.00	Zero	W—NW	5.0—9.0
July 2	0.00— 7.45	Zero	W	6.8
	7.45— 8.15	0.03		
	8.15— 8.45	0.04		
	8.45— 9.15	0.08		
	9.15— 9.45	0.04		
	9.45—10.15	0.06	W	6.8
	10.15—10.45	0.07		
	10.45—11.15	0.05		
	11.15—11.45	0.08		
20	11.45—12.15	Zero	W	6.8
	12.15—12.45	0.04	W	6.8
	12.45—13.15	0.04		
	13.15—14.15	0.03		
	14.15—15.45	Trace		
	15.45—16.15	0.05	W	6.8
	16.15—16.30	No Record		
	16.30—17.30	0.02		
	17.30—18.30	Trace		
	18.30—24.00	Zero	W	6.8
30 July 3	0.00— 2.00	Zero	W	2.5
	2.00— 4.00	Trace		
	4.00— 5.00	0.02		
	5.00— 7.00	Trace	W	2.5
	7.00— 8.00	0.03		
	8.00— 8.30	0.05		
	8.30— 9.00	0.04		
	9.00— 9.30	0.03	E	6.0
	9.30—10.00	0.02		
	10.00—13.00	Trace	E—NE	6.0—9.0
40 July 4	13.00—24.00	Zero	E—N	6.0—3.0
	0.00— 3.00	Zero	N	1.5
	3.00— 3.30	Trace		
	3.30— 4.00	0.06		
	4.00— 4.30	0.04		
	4.30— 5.00	0.02	N	1.5
	5.00— 6.00	0.02		
	6.00— 7.00	Trace		
	7.00— 7.30	0.03		
	7.30— 8.00	0.04	N	1.5
50	8.00— 8.30	0.02		
	8.30— 9.00	0.03		
	9.00—10.00	0.02		
	10.00—11.00	Trace	S	4.0
	11.00—13.00	Zero		
	13.00—14.00	0.03	N	5.0

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		14.00—15.00	0.04			
		15.00—16.00	0.02			
		16.00—17.00	Trace	N	5.0	
		17.00—24.00	Zero	S	5.5	
10	July 5	0.00— 5.30	Zero	SW	5.5	
		5.30— 6.00	0.02			
		6.00— 6.30	0.06			
		6.30— 7.00	0.03	W	5.0	
		7.00— 8.00	0.03			
		8.00— 8.30	Trace			
		8.30— 9.00	0.03			
		9.00— 9.30	0.04	W	5.0	
		9.30—10.00	0.03			
		10.00—10.30	0.02	SW	13.0	
20		10.30—11.00	0.03			
		11.00—11.30	0.03			
		11.30—13.00	0.02			
		13.00—13.30	0.04			
		13.30—14.00	0.07	SW	13.0	
		14.00—14.30	0.03			
		14.30—15.00	0.04			
		15.00—16.30	Trace			
		16.30—17.00	0.04			
		17.00—18.00	Trace	SW	13.0	
30		18.00—18.30	Zero			
		18.30—20.30	Trace			
		20.30—22.00	Zero	SW	13.0	
		22.00—24.00	Trace			
	July 6	0.00— 1.00	Trace	W	9.0	
		1.00— 3.00	Zero			
		3.00— 5.30	Trace			
		5.30— 6.00	0.04	SW	10.0	
		6.00— 6.30	0.08			
40		6.30— 7.00	0.05			
		7.00— 7.30	0.05	W	8.0	
		7.30— 8.00	0.08			
		8.00— 8.30	0.10	NW	12.5	
		8.30— 9.00	0.08			
		9.00— 9.30	0.04			
		9.30—10.30	Trace			
		10.30—11.00	Zero	NW	12.5	
		11.00—12.30	Trace			
		12.30—24.00	Zero	NW	12.5	
50	July 7	0.00—24.00	Zero	NE—N	12.0—2.0	
	July 8	0.00— 1.30	Zero	N	3.6	
		1.30— 2.00	Trace			
		2.00— 4.30	Zero			
		4.30— 5.00	0.03			
		5.00— 5.30	Trace	N	3.6	

## EXHIBIT No. 153 (Continued)

In the  
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No. 153  
Sulphur  
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and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		5.30— 6.30	0.03		
		6.30— 7.00	Zero		
		7.00— 7.30	0.03		
		7.30— 8.00	0.06		
		8.00— 9.00	Trace	N	3.6
		9.00—22.30	Zero		
		22.30—23.00	0.03		
		23.00—23.30	0.05	N	3.6
		23.30—24.00	0.04		
July	9	0.00— 0.30	Trace	N	4.0
		0.30— 1.00	0.05		
		1.00— 1.30	0.17	SE	3.0
		1.30— 2.00	0.03		
		2.00— 2.30	Trace		
20		2.30— 3.00	0.05		
		3.00— 3.30	Trace	S	4.0
		3.30— 5.30	0.02		
		5.30— 6.30	0.03		
		6.30— 7.00	Trace		
		7.00— 8.00	0.02		
		8.00— 9.30	Trace	W	4.0
		9.30—10.00	Zero		
		10.00—10.30	Trace		
		10.30—24.00	Zero	SW	6.5
30	July 10	0.00— 1.00	Zero	SW	3.0
		1.00— 1.30	Trace		
		1.30— 2.00	0.02		
		2.00— 2.30	0.03		
		2.30— 3.00	0.02		
		3.00— 4.00	Trace	S	4.0
		4.00— 8.30	Zero		
		8.30—13.30	Trace	SW	7.0
		13.30—24.00	Zero	SW	7.0
40	July 11	0.00— 5.30	Zero	SW—S	3.0—5.5
		5.30— 7.00	Trace	S	5.5
		7.00— 7.30	Zero	W	7.0
		7.30—11.00	Trace	SW	10.5
		11.00—24.00	Zero	SW—W	10.5—3.2
	July 12	0.00— 6.00	Zero	S	5.0
		6.00— 7.00	Trace		
		7.00— 7.30	Zero		
		7.30— 9.00	Trace	S	5.0
		9.00—10.00	Trace	W	8.0
50		10.00—10.30	0.03		
		10.30—11.00	0.05		
		11.00—11.30	0.04		
		11.30—12.00	0.06	W	8.0
		12.00—12.30	0.04		
		12.30—14.00	Trace	N	4.0

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>		
10	July 13	14.00—17.00	Zero	SW	8.7			
		17.00—17.30	Trace	SW	10.0			
		17.30—18.30	Trace					
		18.30—19.00	0.02					
		19.00—20.00	Trace	SW	4.0			
		20.00—24.00	Zero	SW	4.0			
		0.00— 1.30	Zero	SW	3.6			
		1.30— 2.30	Trace					
		2.30— 6.30	Zero					
		6.30— 9.30	Trace	SW	3.6			
20	July 14	9.30—10.00	0.03					
		10.00—24.00	Zero					
		0.00—11.50	Zero	NE	10.7			
		McKinnon Industries closed down owing to strike, July 14, 1948. Recorder commenced operation again with two generator units on July 20, 1948.						
		July 20	15.30—18.00	Zero	SW		11.0	
			18.00—20.30	Trace	W		4.7	
		July 21	20.30—24.00	Zero	W—SW		4.7—3.0	
			0.00— 4.00	Zero	SW—W		4.0—2.4	
			4.00— 5.00	Trace	W		2.4	
			5.00— 6.30	0.02				
6.30— 7.00	Zero							
30	July 22	7.00— 8.00	Zero					
		8.00— 8.30	Trace	W	5.0			
		8.30— 9.00	Zero					
		9.00—11.30	Trace	W—N	5.0—6.0			
		11.30—14.30	Zero	N	6.0			
		14.30—15.00	Trace	NE	6.0			
		15.00—24.00	Zero	NE—SW—N	6.0—3.3—3.3			
		0.00— 1.15	Zero					
40	July 22	1.15— 6.00	No Record					
		6.00— 9.00	Zero					
		9.00— 9.30	Trace	No Record of wind direction				
		9.30—10.30	Trace					
		10.30—11.00	0.02					
		11.00—11.30	0.07					
		11.30—12.00	0.08					
		12.00—12.30	0.03					
		12.30—13.00	0.04					
		13.00—14.00	Zero					
50	July 22	14.00—14.30	0.08					
		14.30—15.00	0.07					
		15.00—15.30	0.03	No Record of wind direction				
		15.30—16.00	0.02					
		16.00—16.30	0.02					
		16.30—20.30	Zero					
		20.30—21.00	0.02					
		21.00—21.30	0.03					

## EXHIBIT No. 153 (Continued)

In the  
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Court of  
Ontario  
Defendant's  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		21.30—24.00	Zero		
	July 23	0.00—24.00	Zero	No Record to 8.00 a.m.	
				W—NW	12.5—8.7
	July 24	0.00—24.00	Zero	SW-W-NW-W	9.0-6.0- 10.5-7.5
	July 25	0.00—24.00	Zero	SW-NW-SW-S	5.5-8.0- 16.0-7.0
	July 26	0.00—24.00	Zero	S-SW-W-SW-W	8.5-13.0- 13.0-10.5-8.0
	July 27	0.00—24.00	Zero	SW-W-SW	15.4-9.6-5.0
	July 28	0.00— 8.00	Zero	S-W	5.3-3.4
		8.00—10.00	Trace	W	3.4
		10.00—24.00	Zero	N-NW-W-S	6.0-8.5-9.3-5.0
	July 29	0.00—24.00	Zero	S-W-S	4.2-4.0-10.0-2.7
20	July 30	0.00— 2.00	Zero	No Record	No Record
		2.00— 2.30	Trace		
		2.30— 3.00	Zero		
		3.00— 8.00	Zero		
		8.00— 9.00	0.02	SW	16.0
		9.00— 9.30	0.04		
		9.30—10.00	0.03		
		10.00—11.00	0.02		
		11.00—11.30	0.02		
		11.30—12.30	Trace	SW	16.0
30		12.30—24.00	Zero	SW-W	16.0-9.1
	July 31	0.00—24.00	Zero	SW-W	(15.00-24.00 No Record) 9.0-14.5
	Aug. 1	0.00—24.00	Zero	SW-SW-NW	6.0-15.0-6.4
	Aug. 2	0.00—20.00	Zero	NW-N	4.0-2.5
		20.00—21.30	Trace		
		21.30—24.00	Zero		
	Aug. 3	0.00— 0.30	0.02	N	2.7
		0.30— 1.00	Zero		
		1.00— 1.30	Trace		
40		1.30— 8.30	Zero		
		8.30— 9.30	Trace	N	2.7
		9.30—10.00	0.02		
		10.00—10.30	0.03		
		10.30—11.00	0.02		
		11.00—12.00	Trace		
		12.00—13.00	0.02		
		13.00—24.00	Zero	NE—NW—N	5.0—5.0—1.5
	Aug. 4	0.00— 3.00	Zero	N	1.0
		3.00— 3.30	Trace		
50		3.30— 7.00	Zero		
		7.00— 7.30	0.02		
		7.30— 8.00	0.01		
		8.00— 9.30	Trace	N	7.0
		9.30—10.00	0.02		



## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	Aug. 5	10.00—10.30				
		10.30—11.00	Trace			
		11.00—12.00	0.02			
		12.00—24.00	Trace			
		0.00—13.00	Zero	NE—N	7.5—5.0	
		13.00—13.30	Zero	NE	10.0—8.6	
		13.30—14.00	0.03	NE	8.6	
		13.30—14.00	Trace			
		14.00—15.30	Zero			
		15.30—16.00	0.02	N	3.5	
20	Aug. 6	16.00—18.00	Zero			
		18.00—18.30	Trace			
		18.30—19.30	Zero	N	3.5	
		19.30—20.00	Trace			
		20.00—24.00	Zero	(22.00—24.00 no Record)		
		0.00— 7.30	Zero	NW (0.00—2.30 no Wind Record)	6.0	
		7.30— 8.30	Trace	NW—W	6.0—5.0	
		8.30— 9.00	0.02	NW	8.0	
		9.00— 9.30	Trace	NW	8.0	
		9.30—10.00	0.02			
30	Aug. 7	10.00—10.30	0.04			
		10.30—11.00	0.04			
		11.00—11.30	0.06			
		11.30—12.00	0.04	NW	8.0	
		12.00—12.30	0.05			
		12.30—13.00	Trace			
		13.00—13.30	0.02			
		13.30—15.00	Zero			
		15.00—15.30	No Record			
		15.30—24.00	Zero	N—NW	7.0—4.0	
40	Aug. 8	0.00— 0.30	Zero	NW	2.0	
		0.30— 2.30	Trace			
		2.30— 4.30	Zero			
		4.30— 5.00	Trace			
		5.00— 6.30	Zero			
		6.30— 8.30	Trace	W	4.0	
		8.30— 9.00	0.04			
		9.00— 9.30	Trace			
		9.30—24.00	Zero	NW (19.00—24.00 No Wind Record)	9.5	
		0.00— 2.30	Zero	No Record		
50	Aug. 9	2.30— 4.30	Trace	SW	3.0	
		4.30—19.00	Zero	SW—W—N	3.0—8.0—4.0	
		19.00—19.30	0.02	S	2.0	
		19.30—24.00	Zero			
		0.00— 1.30	Zero	S	1.0	
		1.30— 4.00	Trace	(No Wind Record 1.00-3.30)		
		4.00— 8.00	No Record	N	2.5	
		8.00— 8.30	0.02			

## EXHIBIT No. 153 (Continued)

In the  
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Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		8.30— 9.00	0.03		
		9.00— 9.30	0.02		
		9.30—10.30	0.02		
		10.30—11.00	Trace	(No Wind Record 10.30-15.00)	
		11.00—19.30	Zero	NE	6.0
		19.30—20.00	0.02	N	2.0
		20.00—20.30	0.03		
		20.30—21.00	0.01		
		21.00—24.00	Zero	SW	3.0
Aug. 10		0.00— 5.30	Zero	SW	2.5
		5.30— 6.00	Trace		
		6.00— 7.00	Zero		
		7.00— 7.30	0.01	(No Record, clock mechanism on wind recorder being repaired.)	
20		7.30— 8.00	Zero		
		8.00— 8.30	0.01		
		8.30— 9.00	Zero		
		9.00—10.00	Trace		
		10.00—10.30	0.02		
		10.30—11.00	0.01		
		11.00—11.30	0.02		
		11.30—13.30	Trace		
		13.30—23.00	Zero		
30		23.00—23.30	0.04		
		23.30—24.00	0.14		
Aug. 11		0.00— 0.30	0.11	(0.00—9.30, repairs to wind recorder.)	
		0.30— 1.00	0.10		
		1.00— 1.30	0.11		
		1.30— 2.00	0.09		
		2.00— 2.30	0.03		
		2.30— 3.00	Trace		
		3.00— 3.30	0.02		
40		3.30— 6.00	Zero		
		6.00— 6.30	0.02		
		6.30— 7.00	0.01		
		7.00— 7.30	0.03		
		7.30— 8.00	0.00		
		8.00— 9.30	Trace		
		9.30—24.00	Zero	SW	14.5
Aug. 12		0.00—24.00	Zero	SW—W—	13.0—8.0—
				SW—W	10.0—5.0
				W—NW	6.7—8.0
50	Aug. 13	0.00—15.30	Zero	NW	8.0
		15.30—16.00	Trace	W—NW—N	4.0—9.4—4.0
		16.00—24.00	Zero		
Aug. 14		0.00—24.00	Zero	N—W	3.0—2.0
Aug. 15		0.00— 8.00	Zero	W	2.0
		8.00— 8.30	Trace		

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		8.30— 9.00	Zero			
		9.00—11.00	Trace			
		11.00—11.30	Zero	N	4.0	
		11.30—12.00	Trace			
10	Aug. 16	12.00—24.00	Zero	NE—SW	4.0—2.0	
		0.00— 5.00	Zero	SW	2.0	
		5.00— 5.30	0.04			
		5.30— 6.00	0.12			
		6.00— 6.30	0.03			
		6.30— 7.00	0.04	SW	2.0	
		7.00— 7.30	0.03			
		7.30— 8.00	0.02			
		8.00— 8.30	0.03			
		8.30— 9.00	0.03			
20		9.00— 9.30	0.02			
		9.30—10.00	0.03			
		10.00—10.30	0.02	N	5.0	
		10.30—11.00	0.04			
		11.00—11.30	0.03			
		11.30—12.00	0.05			
		12.00—12.30	0.02			
		12.30—13.00	0.04			
		13.00—14.00	Trace	NE	8.0	
		14.00—14.30	Zero			
30		14.30—15.00	Trace			
		15.00—15.30	Zero			
		15.30—16.00	0.02			
		16.00—16.30	Zero			
		16.45—20.30	Zero	NE—E	8.0—5.0	
		20.30—21.00	0.05	E	5.0	
		21.00—21.30	0.10			
		21.30—22.00	0.07	S	5.0	
		22.00—22.30	0.03			
		22.30—23.00	Trace			
40		23.00—23.30	0.03			
		23.30—24.00	0.02			
	Aug. 17	0.00— 1.00	Zero	S	1.2	
		1.00— 3.30	Trace			
		3.30— 5.30	Zero			
		5.30— 7.00	Trace	S	1.2	
		7.00— 8.00	No Record			
		8.00— 8.30	0.02	S	4.0	
		8.30— 9.00	Trace			
		9.00— 9.30	0.02			
50		9.30—10.30	0.02			
		10.30—12.00	Trace	N	3.3	
		12.00—12.30	0.03	SW	9.0	
		12.30—13.00	0.04			
		13.00—13.30	0.02			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Aug. 18	13.30—22.00	Zero	SW—S	9.0—8.0
	22.00—22.30	0.04	S	8.0
	22.30—23.00	0.03		
	23.00—23.30	0.04		
	23.30—24.00	0.02		
	0.00— 0.30	0.02	S	7.0
	0.30— 1.30	Trace		
	1.30— 5.30	Zero		
	5.30— 8.00	Trace		
	8.00— 8.30	Zero	SW	6.0
	8.30— 9.00	Trace		
	9.00—10.30	Zero		
	10.30—11.00	Trace		
11.00—11.30	Zero			
20	11.30—12.00	Trace	SW	6.0
	12.00—22.00	Zero		
	22.00—22.30	0.02	W	4.0
	22.30—24.00	Zero		
Aug. 19	0.00— 7.30	Zero	W—NW	3.0—4.5
	7.30— 8.15	No Record		
	8.15— 8.45	Trace	NW	4.5
	8.45— 9.15	Trace		
	9.15— 9.45	0.03		
	9.45—10.15	Trace		
30	10.15—10.45	0.02		
	10.45—12.15	Zero		
	12.15—13.15	Trace		
	13.15—13.45	0.02	NW	4.5
	13.45—14.15	Zero		
	14.15—14.45	0.03		
	14.45—15.30	Zero		
	15.30—16.00	0.02		
	16.00—16.30	Zero		
40	16.30—17.00	0.02	NW	4.5
	17.00—17.30	Zero		
	17.30—18.00	Trace		
	18.00—20.30	Zero	N	2.0
	20.30—21.00	Trace		
	21.00—21.30	0.02		
	21.30—24.00	Zero	N	2.0
Aug. 20	0.00— 3.30	Zero	N	4.0
	3.30— 6.00	Trace		
	6.00— 7.00	Zero		
	7.00— 8.00	Trace		
50	8.00— 8.30	No Record		
	8.30— 9.00	0.02		
	9.00— 9.30	0.03		
	9.30—10.00	0.02	N	4.0
	10.00—10.30	0.03		

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>		
10		10.30—11.00	0.02					
		11.00—11.30	0.02					
		11.30—12.00	Trace					
		12.00—12.30	0.02					
		12.30—13.00	Zero					
		13.00—13.30	0.02					
		13.30—15.00	Zero					
		15.00—15.30	Trace		NE	8.0		
		15.30—16.00	Zero					
		16.00—16.30	Trace					
		16.30—21.30	Zero		NE—E	8.0—1.5		
		21.30—22.30	Trace					
		22.30—24.00	Zero		E	1.5		
		20	Aug. 21	0.00— 0.30	Zero	E	1.5	
0.30— 1.00	0.02							
1.00— 1.30	0.02							
1.30— 2.00	Trace							
2.00— 2.30	0.06							
2.30— 3.00	0.02							
3.00— 3.30	0.03				E	1.5		
3.30— 4.00	0.05							
4.00— 4.30	0.05							
4.30— 5.00	0.06							
5.00— 5.30	0.04							
5.30— 6.00	0.03							
6.00— 6.30	0.02							
6.30— 7.30	No Record							
30		7.30— 8.00	0.02	E	1.5			
		8.00— 8.30	0.02					
		8.30— 9.00	0.03					
		9.00— 9.30	Trace					
		9.30—10.00	0.02		NE	6.0		
		10.00—11.00	Trace					
		11.00—22.30	Zero		NE	6.0		
		22.30—23.00	0.02					
		23.00—24.00	Trace					
		40	Aug. 22	0.00— 0.30	Trace	NE	1.0	
				0.30— 1.00	0.04			
				1.00— 1.30	0.02			
				1.30— 2.00	Trace		N	4.0
				2.00— 2.30	Zero			
2.30— 3.30	Trace							
3.30— 4.00	0.02							
4.00— 4.30	Zero							
50				4.30— 5.00	Trace			
				5.00— 8.00	Zero	N	4.0	
				8.00— 9.00	Trace	N	4.0	
				9.00— 9.30	0.04			

## EXHIBIT No. 153 (Continued)

In the  
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Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		9.30—10.00	0.02		
		10.00—10.30	0.03		
		10.30—11.00	0.03		
		11.00—12.00	0.02		
		12.00—12.30	0.02		
		12.30—13.00	Trace		
		13.00—15.30	Zero		
		15.30—16.30	Trace	NE	3.0
		16.30—17.00	0.02		
		17.00—17.30	0.03		
		17.30—18.00	Trace		
		18.00—18.30	0.02		
		18.30—19.30	Trace		
		19.30—20.30	Trace		
20		20.30—21.00	Zero	NE	3.0
		21.00—21.30	Trace		
		21.30—22.00	Zero		
		22.00—22.30	0.02		
		22.30—24.00	Zero		
	Aug. 23	0.00— 0.30	0.02	E	2.0
		0.30— 1.00	0.04		
		1.00— 1.30	0.12		
		1.30— 2.00	0.09		
		2.00— 2.30	0.03		
30		2.30— 3.00	0.03	E	2.0
		3.00— 3.30	0.02		
		3.30— 4.00	0.03		
		4.00— 4.30	0.03		
		4.30— 5.00	0.03		
		5.00— 5.30	0.04		
		5.30— 6.00	0.03		
		6.00— 6.30	0.03		
		6.30— 7.00	0.04	E	2.0
		7.00— 7.30	0.02		
40		7.30— 8.00	No Record		
		8.00— 8.30	No Record		
		8.30— 9.00	0.03		
		9.00— 9.30	0.07	E	2.0
		9.30—10.00	0.06		
		10.00—10.30	0.03		
		10.30—11.00	0.05		
		11.00—11.30	0.02		
		11.30—12.00	0.04	NE	4.3
		12.00—12.30	Zero		
50		12.30—13.00	0.02		
		13.00—13.30	Zero		
		13.30—14.00	0.02		
		14.00—14.30	Zero		
		14.30—15.00	Trace		

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>		
10		15.00—15.30	Zero	NE	4.8			
		15.30—16.00	Trace					
		16.00—16.30	Zero					
		16.30—17.00	0.02					
		17.00—19.00	Zero					
		19.00—21.30	Trace	NE	4.3			
		21.30—22.00	0.03					
		22.00—22.30	0.02					
		22.30—23.00	0.03					
		23.00—23.30	0.02	NE	4.3			
20	Aug. 24	23.30—24.00	Zero					
		0.00— 2.00	Zero	E	3.0			
	2.00— 4.00	Trace						
	4.00— 4.30	0.03						
	4.30— 5.00	0.02						
	5.00— 5.30	0.02	S	5.0				
	5.30— 6.00	Trace						
	6.00— 6.30	0.04						
	6.30— 7.00	0.04						
	7.00— 7.30	0.04						
30		7.30— 8.00	Trace	S	5.0			
		8.00— 8.30	No Record					
		8.30— 9.00	Trace					
		9.00— 9.30	0.02					
		9.30—10.00	0.02	SW	17.0			
		10.00—10.30	0.03					
		10.30—11.00	0.04					
		11.00—11.30	0.03					
		11.30—12.00	0.04					
		12.00—12.30	0.04	SW	17.0			
40	Aug. 25	12.30—13.00	0.02					
		13.00—13.30	0.03					
	13.30—14.00	Trace						
	14.00—24.00	Zero	SW	17.0				
	0.00— 8.45	Zero	SW	11.0				
	8.45—24.00	Zero						
	Aug. 26	0.00— 3.30	Zero	SW	6.0			
		3.30— 4.00	0.03					
	50		4.00— 4.30	Zero				
			4.30— 5.00	Trace				
5.00— 7.30			Zero					
7.30— 8.00			Trace	SW	6.0			
8.00— 8.30			Zero					
8.30— 9.00			Trace					
9.00—10.00			Zero					
10.00—10.30			Trace					
10.30—14.00			Zero	NW	6.0			
14.00—14.30			Trace					
14.30—15.00	Zero							

## EXHIBIT No. 153 (Continued)

In the  
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Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		15.00—15.30	Trace		
		15.30—24.00	Zero	SW	6.0
	Aug. 27	0.00— 0.30	Zero	SW	3.3
		0.30— 1.00	Trace		
		1.00— 2.30	Zero		
		2.30— 3.30	Trace		
		3.30— 4.00	0.02		
		4.00— 4.30	Zero		
		4.30— 5.00	0.02	SW	3.3
		5.00— 5.30	Zero		
		5.30— 6.00	0.02		
		6.00— 6.30	Zero		
		6.30— 7.00	Trace		
		7.00— 8.00	Zero		
20		8.00— 8.30	No Record	SW	3.3
		8.30— 9.00	Zero		
		9.00—11.30	Trace	SW	3.3
		11.30—12.00	0.05	W	4.0
		12.00—12.30	Trace		
		12.30—13.00	0.04		
		13.00—13.30	Zero	NW	6.0
		13.30—14.00	0.04		
		14.00—14.30	Zero	NE	4.0
		14.30—15.00	0.04		
30		15.00—15.30	Zero		
		15.30—16.00	0.03		
		16.00—16.30	Zero		
		16.30—17.00	Trace		
		17.00—19.30	Zero	SW	3.5
		19.30—20.00	0.03		
		20.00—20.30	Zero		
		20.30—21.30	Trace		
		21.30—22.30	Zero		
		22.30—23.00	Trace	SW	3.5
40		23.00—23.30	Zero		
		23.30—24.00	Trace		
	Aug. 28	0.00— 1.30	Zero	SW	5.0
		1.30— 2.00	0.02		
		2.00— 3.00	Trace		
		3.00— 4.00	0.02		
		4.00— 6.00	Trace		
		6.00— 6.30	0.03	SW	5.0
		6.30— 7.00	0.02		
		7.00— 7.30	0.03		
50		7.30— 8.00	Trace		
		8.00— 8.30	0.03		
		8.30— 9.00	0.02		
		9.00— 9.30	0.02	SW	5.0
		9.30—10.00	0.03		
		10.00—10.30	0.04		



## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
	10.30—11.00	0.06			
	11.00—11.30	0.05			
	11.30—12.00	0.04			
	12.00—12.30	Trace			
10	12.30—13.00	0.02			
	13.00—13.30	Zero	NW	6.0	
	13.30—14.00	0.04			
	14.00—14.30	Zero			
	14.30—15.00	0.02	SW	11.6	
	15.00—24.00	Zero	SW	11.6	
Aug. 29	0.00— 4.00	Zero	SW—W	9.0—6.0	
	4.00— 4.30	0.02	W	6.0	
	4.30— 6.30	Zero			
	6.30— 7.00	Trace			
20	7.00— 8.30	Zero			
	8.30— 9.00	Trace	NW	10.5	
	9.00—24.00	Zero	NW	10.5	
Aug. 30	0.00—22.00	Zero	NW—W—NE	4.0—7.5	
	22.00—23.00	Trace			
	23.00—24.00	Zero			
Aug. 31	0.00—21.30	Zero	N—NE—W	7.0—10.8—2.0	
	21.30—22.00	0.02			
	22.00—23.00	Zero	N	2.0	
	23.00—23.30	Trace			
30	23.30—24.00	Zero			
Sept. 1	0.00— 0.30	Trace	E	2.5	
	0.30— 1.00	Zero			
	1.00— 1.30	Trace			
	1.30— 2.00	Zero			
	2.00— 2.30	Trace			
	2.30— 3.00	0.14	E	2.5	
	3.00— 3.30	0.09			
	3.30— 4.00	0.13			
	4.00— 4.30	0.04			
40	4.30— 5.00	0.04			
	5.00— 5.30	0.03			
	5.30— 6.00	0.03	E	2.5	
	6.00— 6.30	0.05			
	6.30— 7.00	0.04			
	7.00— 7.30	0.04			
	7.30— 8.00	0.06			
	8.00— 8.30	No Record			
	8.30— 9.00	0.08	E	2.5	
	9.00— 9.30	0.03			
50	9.30—10.00	0.02			
	10.00—10.30	Trace			
	10.30—15.00	Zero	NE	6.0	
	15.00—15.30	Trace			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Sept. 2	15.30—24.00	Zero	SW—W	8.0—4.0
		0.00— 2.30	Zero	W	3.0
		2.30— 3.00	0.03	SE	4.0
		3.00— 3.30	0.04		
		3.30— 4.00	0.06		
		4.00— 4.30	0.03	SE	4.0
		4.30— 5.00	0.04		
		5.00— 5.30	0.04		
		5.30— 6.00	0.07		
		6.00— 6.30	0.10		
		6.30— 7.00	0.10		
		7.00— 7.30	0.11	SE	4.0
		7.30— 8.00	0.08		
		8.00— 8.30	0.07		
20		8.30— 9.00	0.07		
		9.00— 9.30	0.12		
		9.30—10.00	0.11		
		10.00—10.30	0.12	SE	4.0
		10.30—11.00	0.06		
		11.00—11.30	0.08		
		11.30—12.00	0.12		
		12.00—12.30	0.09		
		12.30—13.00	Trace		
		13.00—14.00	Trace	SW	6.6
30		14.00—15.00	Zero		
		15.00—16.00	Trace		
		16.00—19.00	Trace	NE	5.0
		19.00—19.30	Zero	E	1.6
		19.30—20.00	0.04		
		20.00—20.30	Trace		
		20.30—21.00	0.04	E	1.6
		21.00—21.30	0.03		
		21.30—22.00	0.04	E	1.6
		22.00—22.30	0.04		
40		22.30—23.00	0.03		
		23.00—23.30	0.03		
		23.30—24.00	0.04		
	Sept. 3	0.00— 0.30	0.03	E	1.6
		0.30— 1.00	0.02		
		1.00— 1.30	0.03		
		1.30— 2.00	0.07		
		2.00— 2.30	0.08		
		2.30— 3.00	0.06		
		3.00— 3.30	0.05		
50		3.30— 4.00	0.02	E	1.6
		4.00— 4.30	0.05		
		4.30— 5.00	0.05		
		5.00— 5.30	0.06		
		5.30— 6.00	0.04		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	6.00— 6.30	0.09				
	6.30— 7.00	0.04				
	7.00— 7.30	0.05	E	1.6		
	7.30— 8.30	No Record				
	8.30— 9.00	0.02				
	9.00— 9.30	0.03				
	9.30—10.00	0.03	N	4.0		
	10.00—10.30	0.03				
	10.30—11.00	0.04				
	11.00—11.30	0.03				
	11.30—12.00	0.04	NE	4.3		
	12.00—12.30	0.04				
	12.30—13.00	0.03				
	13.00—13.30	0.05				
20	13.30—14.00	0.04				
	14.00—14.30	0.03				
	14.30—15.00	0.04	NE	4.3		
	15.00—15.30	Trace				
	15.30—16.00	Zero				
	16.00—16.30	0.02				
	16.30—17.00	Zero				
	17.00—17.30	0.02				
	17.30—18.30	Zero				
	18.30—20.00	Trace	NE	4.3		
	30	20.00—20.30	0.03			
		20.30—21.00	Trace			
		21.00—22.00	0.02			
		22.00—23.00	0.02			
23.00—23.30		Zero				
23.30—24.00		0.02				
Sept. 4		0.00— 3.30	Zero	NE	2.5	
		3.30— 4.00	Trace	Calm		
	4.00— 4.30	Zero				
	4.30— 5.00	0.02	NE	2.0		
40	5.00— 5.30	Trace				
	5.30— 6.00	0.02				
	6.00— 6.30	Trace				
	6.30— 7.00	0.02	NE	2.0		
	7.00— 7.30	Zero				
	7.30— 8.00	0.02				
	8.00— 8.30	0.03				
	8.30— 9.00	0.02	NE	2.0		
	9.00— 9.30	0.02				
	9.30—10.00	0.03				
50	10.00—10.30	0.03				
	10.30—11.00	0.02				
	11.00—11.30	0.04	N	6.5		
	11.30—12.00	0.02				

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		12.00—12.30	0.02		
		12.30—13.00	Zero		
		13.00—13.30	0.03		
		13.30—14.00	Trace		
		14.00—14.30	0.02		
		14.30—15.30	Trace		
		15.30—16.00	Zero	NE	5.0
		16.00—16.30	Trace		
		16.30—20.00	Zero		
		20.00—20.30	Trace		
		20.30—21.00	0.02		
		21.00—21.30	0.02	NE	5.0
		21.30—22.00	0.03		
		22.00—22.30	0.03		
20		22.30—23.00	0.03	Calm	
		23.00—23.30	0.05		
		23.30—24.00	0.03		
	Sept. 5	0.00— 1.00	0.03	Calm	
		1.00— 1.30	0.04		
		1.30— 2.00	0.05		
		2.00— 2.30	0.04		
		2.30— 3.00	0.04		
		3.00— 3.30	0.10		
		3.30— 4.00	0.05		
30		4.00— 4.30	0.06		
		4.30— 5.00	0.03	Calm	
		5.00— 5.30	0.04		
		5.30— 6.00	0.03		
		6.00— 7.00	0.03		
		7.00— 7.30	0.04		
		7.30— 8.00	0.04		
		8.00— 9.00	No Record		
		9.00— 9.30	0.07	N	4.5
		9.30—10.00	0.05		
40		10.00—10.30	0.06		
		10.30—11.00	0.03		
		11.00—11.30	0.04		
		11.30—12.00	0.02		
		12.00—12.30	0.03		
		12.30—13.00	Trace	NE	7.0
		13.00—14.00	0.02		
		14.00—14.30	0.03		
		14.30—15.00	Zero		
		15.00—15.30	0.03		
50		15.30—16.00	Zero		
		16.00—16.30	0.02		
		16.30—17.00	Trace		
		17.00—17.30	0.02		
		17.30—18.00	Zero	N	3.0

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>			
10		18.00—18.30	0.03	Calm					
		18.30—21.30	Zero						
		21.30—22.00	Trace						
		22.00—22.30	0.03						
		22.30—23.00	0.03						
		23.00—23.30	0.02						
		23.30—24.00	Trace						
		Sept. 6	0.00— 1.00				Trace	S	7.5
			1.00—23.00				Zero		
			23.00—24.00				Trace	S	7.5
20	Sept. 7	0.00— 1.00	Trace	S		7.5			
		1.00— 3.00	Zero						
		3.00— 5.00	Trace						
		5.00— 6.00	0.02						
		6.00— 6.30	Zero						
		6.30— 7.00	0.02						
		7.00— 7.30	0.03						
		7.30— 8.00	0.02				S	7.5	
		8.00— 8.30	0.03						
		8.30— 9.00	0.03						
30		9.00— 9.30	0.02	SW S		11.0 6.0			
		9.30—10.00	Trace						
		10.00—21.00	Zero						
		21.00—21.30	0.02						
		21.30—23.00	Trace						
		23.00—23.30	0.05						
		23.30—24.00	0.04						
		Sept. 8	0.00— 0.30				0.03	S	2.5
			0.30— 1.30				Trace		
			1.30— 2.00				Zero		
	2.00— 2.30	Trace							
	2.30— 8.30	Zero	S, N	2.5—4.7					
40		8.30— 9.00	0.02	N		4.7			
		9.00— 9.30	Trace						
		9.30—10.00	0.02						
		10.00—11.00	Trace						
		11.00—11.30	Zero						
		11.30—12.00	0.03						
		12.00—12.30	Zero						
		12.30—13.00	0.02						
		13.00—13.30	Zero						
		13.30—14.00	0.02						
50	Sept. 9	14.00—24.00	Zero	N, S, W W, NW NW NW	4.7—4.0 1.0—6.0 6.0 6.0—5.0				
		0.00— 4.30	Zero						
		4.30— 8.30	No Record						
		8.30—20.00	Zero						
		20.00—20.30	Trace						
		20.30—24.00	Zero						
Sept. 10	0.00— 8.30	Zero	N	4.0					

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		8.30— 9.30	0.02		
		9.30—10.00	0.03		
		10.00—11.00	Trace	N	4.0
		11.00—24.00	Zero	NW, NE, SW	7.2-4.0-4.0
	Sept. 11	0.00—24.00	Zero	SW, W, S	7.0—3.0—6.0
	Sept. 12	0.00— 9.00	Zero	S, W	7.0
		9.00—24.00	Zero	W, SW, S	7.0—4.0
	Sept. 13	0.00—24.00	Zero	S, SW, W, NW, NE, N	8.0—11.0
	Sept. 14	0.00— 8.00	Zero	N	3.0
		8.00— 8.30	0.03	NE	7.7
		8.30— 9.00	0.03		
		9.00— 9.30	0.02		
		9.30—18.30	Zero	NE	7.7
20		18.30—19.00	Trace		
		19.00—24.00	Zero	N, NE	6.3—6.0
	Sept. 15	0.00—10.30	Zero	NE, E	2.0—6.0
		10.30—11.30	Trace		
		11.30—24.00	Zero	NE, E	5.0—10.0
	Sept. 16	0.00— 6.30	Zero	E	5.0
		6.30— 9.00	Trace		
		9.00—21.00	Zero	E, NE	5.0—8.0
		21.00—22.00	Trace	E	5.0
		22.00—22.30	0.03		
30		22.30—23.00	0.05		
		23.00—23.30	0.08	E	5.0
		23.30—24.00	0.09		
	Sept. 17	0.00— 0.30	0.07	Calm	
		0.30— 1.00	0.04		
		1.00— 1.30	0.05		
		1.30— 2.00	0.05		
		2.00— 2.30	0.05		
		2.30— 3.00	0.04		
		3.00— 3.30	0.03		
40		3.30— 4.00	0.04		
		4.00— 4.30	0.04		
		4.30— 5.00	0.06	E	2.0
		5.00— 5.30	0.04		
		5.30— 6.00	0.04		
		6.00— 6.30	Zero		
		6.30— 8.30	Trace	S	6.0
		8.30— 9.00	0.03		
		9.00— 9.30	0.02	SW	14.5
		9.30—10.00	0.04		
50		10.00—10.30	0.02		
		10.30—11.00	0.03		
		11.00—12.00	0.02		
		12.00—13.00	Trace	SW	14.5
		13.00—21.00	Zero	SW	14.5

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		21.00—21.30	Trace			
		21.30—24.00	Zero			
	Sept. 18	0.00— 3.00	Zero	W	9.0	
10		3.00— 3.30	Trace	SW	13.7	
		3.30— 4.00	0.02			
		4.00— 4.30	Zero			
		4.30— 6.00	Trace			
		6.00—24.00	Zero	SW, NE, SW	13.7-4.0-9.0	
	Sept. 19	0.00—24.00	Zero	SW, N, W	5.7-3.0-6.0	
	Sept. 20	0.00—24.00	Zero	W, NW, NE	4.2-11.4-16.0	
	Sept. 21	0.00—17.00	Zero	NE, N	7.9—5.5	
		17.00—17.30	0.02			
		17.30—18.30	Zero	N	5.5	
		18.30—19.30	Trace			
20		19.30—20.00	Zero	Calm		
		20.00—20.30	Trace			
		20.30—24.00	Zero	N, NE	9.0	
	Sept. 22	0.00— 7.00	Zero	NE	5.4	
		7.00— 7.30	Trace			
		7.30— 8.00	0.03			
		8.00— 8.30	0.06 (Readings on No. 2 Cell only)			
		8.30—10.30	Trace	NE	5.4	
		10.30—23.30	Zero	NE, N	5.4—7.2	
		23.30—24.00	0.02			
30	Sept. 23	0.00—16.00	Zero (Readings on No. 2 Cell only)			
				NE	5.8	
		16.00—24.00	No Record	} Stopped to repair No. 1 Cell		
	Sept. 24	0.00—16.30	No Record			
		16.30—21.00	Zero	NE, E	5.8—2.5	
		21.00—21.30	Trace	NE, N	10.0—2.5	
		21.30—22.00	0.06	N	2.5	
		22.00—22.30	0.02			
40		22.30—23.00	0.04			
		23.00—23.30	0.02	N	2.5	
		23.30—24.00	0.03			
	Sept. 25	0.00— 1.00	0.02	N	2.0	
		1.00— 3.00	Trace			
		3.00— 4.00	Zero			
		4.00— 4.30	0.02			
		4.30— 5.00	Trace			
		5.00— 5.30	Zero	N	2.0	
		5.30— 7.00	Trace			
		7.00— 8.00	Zero			
50		8.00— 9.00	Trace			
		9.00—17.30	Zero	NE	10.5	
		17.30—18.00	0.02			
		18.00—18.30	Trace			
		18.30—19.00	0.04	N	2.0	

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		19.00—22.00	Zero		
		22.00—22.30	Trace		
		22.30—24.00	Zero	N	2.0
	Sept. 26	0.00— 1.00	0.02	N	2.0
		1.00— 1.30	0.03		
		1.30— 3.00	Trace	W	3.2
		3.00— 4.00	0.02		
		4.00— 4.30	0.02		
		4.30— 6.30	Trace		
		6.30— 8.30	Zero	W	3.2
		8.30— 9.00	Trace		9.0
		9.00— 9.30	Zero		
		9.30—10.00	Trace	N	5.0
		10.00—20.00	Zero	N, NE	5.0—2.3
20		20.00—20.30	0.02	NE	2.3
		20.30—21.30	Trace		
		21.30—23.00	Zero	NE	2.3
		23.00—23.30	Trace		
		23.30—24.00	Zero		
	Sept. 27	0.00— 0.30	Trace	NE	2.8
		0.30— 2.00	Zero		
		2.00— 2.30	Trace		
		2.30— 4.00	Zero		
		4.00— 4.30	Trace		
30		4.30— 6.00	Zero	NE	2.8
		6.00— 6.30	0.02		
		6.30— 7.00	Zero		
		7.00— 7.30	Trace		
		7.30— 8.00	Zero		
		8.00— 8.30	0.02		
		8.30— 9.00	0.02		
		9.00— 9.30	0.04		
		9.30—10.00	0.03		
		10.00—10.30	0.04	NW	5.0
40		10.30—12.00	Trace		
		12.00—20.00	Zero	NE, Calm	6.0—0
		20.00—20.30	0.02	NE	2.0
		20.30—21.00	Zero		
		21.00—21.30	0.05		
		21.30—23.00	Zero		
		23.00—24.00	Trace		
	Sept. 28	0.00— 1.00	0.02	NE	4.0
		1.00— 1.30	0.02		
		1.30— 2.00	Zero		
50		2.00— 2.30	0.03		
		2.30— 3.00	0.02		
		3.00— 3.30	0.04		
		3.30— 4.00	0.02	NE	4.0
		4.00— 4.30	0.02		



## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	4.30— 5.00	Zero				
	5.00— 5.30	0.03				
	5.30— 6.30	Trace				
	6.30— 7.00	Zero				
	7.00— 7.30	Trace				
	7.30— 8.00	Zero				
	8.00— 9.00	0.02				
	9.00— 9.30	0.04				
	9.30—10.00	0.03	NE	4.0		
	10.00—11.00	0.02				
	11.00—11.30	Zero				
	11.30—12.00	0.02				
	12.00—12.30	Zero				
20	12.30—13.00	Trace				
	13.00—14.00	Trace				
	14.00—14.30	Zero				
	14.30—17.00	Trace				
	17.00—20.30	Zero	Calm			
	20.30—21.30	Trace	NE	2.0		
	21.30—23.00	Zero				
	23.00—23.30	Trace				
	23.30—24.00	Zero				
	Sept. 29	0.00— 5.30	Zero	NE	2.4	
5.30— 6.00		Trace				
30		6.00— 7.00	Zero			
		7.00— 7.30	0.01			
		7.30— 8.00	0.03			
		8.00— 8.30	0.02			
		8.30— 9.00	0.04	NE		
		9.00— 9.30	0.10	(North and East Winds)	2.4	
		9.30—10.00	0.08			
		10.00—10.30	0.07			
		10.30—11.00	0.03			
		11.00—11.30	0.05	NE	2.4	
40		11.30—12.00	0.03			
	12.00—12.30	0.03				
	12.30—13.00	0.02				
	13.00—13.30	0.03				
	13.30—14.00	Trace				
	14.00—14.30	0.02				
	14.30—15.00	Trace	NE	2.4		
	15.00—16.00	Trace				
	16.00—16.30	0.02				
	16.30—18.00	Trace				
	50	18.00—20.00	Zero			
		20.00—20.30	0.06			
		20.30—21.00	0.03			
21.00—21.30		0.04				
21.30—22.00		0.02	SE	6.0		

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.00—22.30	0.01		
		22.30—23.00	0.03		
		23.00—23.30	0.03		
		23.30—24.00	0.04		
	Sept. 30	0.00— 1.00	0.03	E	2.2
		1.00— 1.30	0.02		
		1.30— 2.00	Trace		
		2.00— 5.00	Zero		
		5.00— 5.30	0.03		
		5.30— 6.00	0.04		
		6.00— 7.00	0.04		
		7.00— 8.00	0.02		
		8.00— 8.30	No Record	SE	5.0
		8.30— 9.00	0.02		
20		9.00— 9.30	0.03		
		9.30—10.00	Zero		
		10.00—10.30	Trace	SW	11.2
		10.30—11.00	Zero		
		11.00—11.30	0.01		
		11.30—17.30	Zero		
		17.30—18.30	0.02	S	3.0
		18.30—24.00	Zero		
	Oct. 1	0.00— 1.00	Zero	S	4.0
		1.00— 1.30	0.02		
30		1.30— 3.30	Trace		
		3.30— 9.00	Zero	SW	8.0
		9.00—24.00	Zero	SW	8.0
	Oct. 2	0.00—10.00	Zero	W	4.0
		10.00—10.30	Trace		
		10.30—12.30	Zero	NE	9.2
		12.30—13.00	0.03		
		13.00—13.30	Trace		
		13.30—15.00	Zero		
		15.00—15.30	0.03	NE	9.2
40		15.30—16.00	Trace		
		16.00—16.30	Zero		
		16.30—17.00	0.05		
		17.00—18.00	Trace		
		18.00—19.00	0.04	NE	9.2
		19.00—19.30	0.02		
		19.30—20.00	Zero		
		20.00—21.30	Trace		
		21.30—24.00	Zero		
	Oct. 3	0.00—18.00	Zero	NE	11.4
50		18.00—19.30	0.02	E	2.7
		19.30—21.00	Zero		
		21.00—21.30	0.02	E	2.7
		21.30—24.00	Zero		
	Oct. 4	0.00— 0.30	Trace	E	2.4

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
	0.30— 1.00	Zero			
	1.00— 1.30	0.02			
	1.30— 2.00	0.04			
	2.00— 2.30	0.02			
10	2.30— 3.00	0.04	E	2.4	
	3.00— 3.30	0.03			
	3.30— 4.00	0.04			
	4.00— 4.30	0.06			
	4.30— 5.00	0.02			
	5.00— 5.30	0.03			
	5.30— 6.00	Trace			
	6.00— 6.30	0.04	E	2.4	
	6.30— 7.00	0.09			
20	7.00— 7.30	0.11			
	7.30— 8.00	0.16			
	8.00— 8.30	No Record			
	8.30— 9.00	0.05	SE	5.5	
	9.00— 9.30	0.04			
	9.30— 20.30	Zero	NE, E	10.5—6.0	
	20.30— 21.00	Trace	E	6.0	
	21.00— 21.30	0.04			
	21.30— 22.00	0.03	SE	4.8	
	22.00— 22.30	0.04			
	22.30— 23.00	0.07			
30	23.00— 23.30	0.07	SE	4.8	
	23.30— 24.00	0.05			
Oct. 5	0.00— 0.30	0.03	E	5.0	
	0.30— 1.00	0.04			
	1.00— 1.30	0.02			
	1.30— 2.00	0.04			
	2.00— 2.30	0.04	SE	4.4	
	2.30— 3.00	0.03			
	3.00— 3.30	0.05			
40	3.30— 4.00	0.07			
	4.00— 4.30	0.05	SE	4.4	
	4.30— 5.00	0.05			
	5.00— 5.30	0.07			
	5.30— 6.00	0.06			
	6.00— 6.30	0.11			
	6.30— 7.00	0.09			
	7.00— 7.30	0.24	SE	4.4	
	7.30— 8.00	0.25			
	8.00— 8.30	0.15			
50	8.30— 9.00	0.10			
	9.00— 9.30	0.23	SE	4.4	
	9.30— 10.00	0.12	S	4.0	
	10.00— 10.30	0.06			
	10.30— 11.00	0.04			
	11.00— 11.30	0.05			

## EXHIBIT No. 153 (Continued)

In the  
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Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	11.30—12.00	0.10	S	4.0	
	12.00—12.30	0.05			
	12.30—13.00	0.08			
	13.00—13.30	Trace	NE	7.2	
	13.30—19.00	Zero	NE, E	7.2—4.0	
	19.00—20.00	Trace	E	4.0	
	20.00—20.30	0.03	E	4.0	
	20.30—21.00	Trace			
	21.00—21.30	0.04			
	21.30—22.00	0.05			
	22.00—22.30	0.04	E	4.0	
	22.30—23.00	0.04			
	23.00—23.30	0.04			
	23.30—24.00	Trace			
20	Oct. 6	0.00— 0.30	0.04	E	2.0
		0.30— 1.00	0.05		
		1.00— 1.30	0.02		
		1.30— 2.00	Trace		
		2.00— 2.30	0.04		
		2.30— 3.00	0.04		
		3.00— 3.30	0.03	E	2.0
		3.30— 4.00	Trace		
		4.00— 4.30	0.02		
		4.30— 5.00	0.03		
30		5.00— 5.30	0.04		
		5.30— 6.00	0.04		
		6.00— 6.30	0.05		
		6.30— 7.00	0.04	E	2.0
		7.00— 7.30	0.05		
		7.30— 8.00	0.06		
		8.00— 8.30	No Record		
		8.30— 9.00	0.04		
		9.00— 9.30	0.02		
		9.30—10.00	0.02		
40		10.00—10.30	Zero		
		10.30—11.00	Trace	NE	4.5
		11.00—18.00	Zero		
		18.00—19.00	Trace		
		19.00—19.30	Zero		
		19.30—20.30	Trace		
		20.30—21.00	0.02	NE	4.5
		21.00—21.30	Zero		
		21.30—22.30	Trace		
		22.30—24.00	Zero		
50	Oct. 7	0.00— 1.00	Trace	NE	3.0
		1.00— 1.30	Zero		
		1.30— 2.30	Trace		
		2.30— 3.00	0.02	E	4.0
		3.00— 3.30	Trace		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
10	3.30— 4.00	0.04			
	4.00— 4.30	0.11	E	4.0	
	4.30— 5.00	0.17			
	5.00— 5.30	0.09			
	5.30— 6.00	0.14			
	6.00— 6.30	0.09			
	6.30— 7.00	0.11			
	7.00— 7.30	0.11			
	7.30— 8.00	0.09	E	4.0	
	8.00— 8.30	No Record			
20	8.30— 9.00	0.15			
	9.00— 9.30	0.11	SE	8.0	
	9.30—10.00	0.05			
	10.00—10.30	0.03			
	10.30—11.00	Trace			
	11.00—11.30	Zero	SE	8.0	
	11.30—12.00	0.05			
	12.00—12.30	0.06	SE	8.0	
	12.30—14.00	Trace			
	14.00—14.30	Trace			
30	14.30—15.00	0.02			
	15.00—16.00	Trace			
	16.00—16.30	0.02			
	16.30—17.00	0.03	SE	8.0	
	17.00—17.30	Zero			
	17.30—18.00	0.05			
	18.00—18.30	0.04			
	18.30—19.00	0.12			
	19.00—19.30	0.10			
	19.30—20.00	0.09			
40	20.00—20.30	0.10	SE	8.0	
	20.30—21.00	Trace			
	21.00—22.00	Zero			
	22.00—22.30	0.02			
	22.30—24.00	Zero	W	12.0	
	Oct. 8 0.00— 7.30	Zero	W—SW	2.5—4.0	
	7.30— 8.00	0.02	SE	5.3	
	8.00— 8.30	0.07			
	8.30— 9.00	0.04			
	9.00— 9.30	0.05			
50	9.30—10.00	0.03			
	10.00—10.30	0.05	SE	5.3	
	10.30—11.00	0.06			
	11.00—11.30	0.16			
	11.30—12.00	0.04			
	12.00—12.30	0.04			
	12.30—13.00	0.05			
	13.00—13.30	0.03	S	4.0	
	13.30—14.00	0.03			

## EXHIBIT No. 153 (Continued)

In the  
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Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		14.00—14.30	0.04		
		14.30—15.00	0.04		
		15.00—15.30	0.03		
		15.30—17.00	Trace		
		17.00—24.00	Zero	W—SW	5.0—8.0
	Oct. 9	0.00—24.00	Zero	SW—S	17.0—14.0
	Oct. 10	0.00—24.00	Zero	SW	16.0
	Oct. 11	0.00— 4.30	Zero	W—S	6.0—4.5
		4.30— 5.00	0.04	S	4.5
		5.00— 5.30	0.05		
		5.30— 6.00	Trace		
		6.00— 7.30	Zero		
		7.30— 8.00	Trace	SE	4.0
		8.00— 8.30	0.05		
20		8.30— 9.00	Trace	E	5.5
		9.00— 9.30	0.03		
		9.30—10.00	Trace		
		10.00—10.30	Zero		
		10.30—11.30	0.02	E	5.5
		11.30—12.00	0.05		
		12.00—18.30	Zero	SW	14.5
		18.30—19.30	Trace	W	3.0
		19.30—24.00	Zero	W—SW	3.0—7.6
	Oct. 12	0.00—24.00	Zero	S—SW—	5.0—10.0—
30				W—SW	12.5—10.0
	Oct. 13	0.00—24.00	Zero	SW—W—N	10.5—10.0—10.0
	Oct. 14	0.00— 9.00	Zero	N	7.7
		9.00—10.30	Trace	NW	7.8
		10.30—11.30	Zero		
		11.30—12.30	Trace		
		12.30—13.00	0.02		
		13.00—13.30	Zero	NW	7.8
		13.30—15.00	Trace		
		15.00—15.30	Zero		
40		15.30—16.00	Trace		
		16.00—19.30	Zero		
		19.30—20.00	Trace	NW	7.8
		20.00—21.30	Zero		
		21.30—22.00	Trace	N	7.2
		22.00—22.30	Zero		
		22.30—23.00	0.05		
		23.00—23.30	0.03	N	7.2
		23.30—24.00	0.06		
50	Oct. 15	0.00— 0.30	0.04	NE	4.0
		0.30— 1.00	0.02		
		1.00— 2.30	Trace		
		2.30— 4.00	Zero		
		4.00— 4.30	Trace		
		4.30— 5.00	0.02	NE	4.0

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
10	5.00— 5.30	0.04			
	5.30— 6.00	0.05			
	6.00— 6.30	0.03	E	4.0	
	6.30— 7.00	0.04			
	7.00— 7.30	0.04			
	7.30— 8.00	Trace			
	8.00— 8.30	0.04	E	4.0	
	8.30— 9.00	0.04			
	9.00— 9.30	0.04			
	9.30—10.00	0.02			
	10.00—11.00	Zero	SW	4.0	
	11.00—11.30	0.04			
	11.30—12.00	0.03			
	12.00—12.30	0.02			
	12.30—13.00	Trace			
20	13.00—14.30	Zero	NE	4.5	
	14.30—15.00	No Record			
	15.00—21.00	Zero	E	7.0	
	21.00—21.30	0.03			
	21.30—22.00	0.07	SE	7.0	
	22.00—22.30	0.12			
	22.30—23.00	0.16			
	23.00—23.30	0.07			
	23.30—24.00	0.05			
	30	Oct. 16 0.00— 0.30	Trace	S	5.5
0.30— 1.00		Zero			
1.00— 2.00		Trace			
2.00— 2.30		0.02			
2.30— 3.00		0.03			
3.00— 3.30		0.02	S	5.5	
3.30— 4.00		Trace			
4.00— 4.30		0.06			
4.30— 5.00		0.04			
5.00— 5.30		0.05	S	5.5	
5.30— 6.00		0.04			
6.00— 6.30		0.03			
6.30— 7.00		Trace			
7.00— 7.30		0.03			
7.30— 8.00		Zero			
8.00— 8.30	Trace				
8.30— 9.00	Zero	SW	12.8		
9.00— 9.30	0.02				
9.30—10.00	Zero				
10.00—10.30	Trace	SW	12.8		
50	Oct. 17 10.30—24.00	Zero	SW—W	12.8—5.0	
	0.00— 6.30	Zero	N	5.7	
	6.30— 7.00	Trace			
	7.00— 7.30	Zero			
	7.30— 9.00	Trace	N	5.7	
	9.00—12.30	Zero			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
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readings  
made by  
Dr. Katz  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		12.30—13.30	Trace	N	5.7
		13.30—24.00	Zero	N—W—N	5.7—10.0
Oct. 18		0.00— 8.30	Zero	N	7.8
		8.30— 9.00	Trace		
		9.00— 9.30	Zero		
		9.30—10.00	Trace		
Oct. 19		10.00—24.00	Zero	N—W	7.8—4.9
		0.00— 2.00	Zero	S	5.0
		2.00— 2.30	0.02		
		2.30— 3.00	Trace		
		3.00— 3.30	0.04		
		3.30— 4.00	0.03		
		4.00— 4.30	0.04		
		4.30— 5.00	0.07	S	5.0
20		5.00— 5.30	0.04		
		5.30— 6.00	0.04		
		6.00— 6.30	0.05		
		6.30— 7.00	0.04		
		7.00— 7.30	0.03	S	5.0
		7.30— 9.00	Trace	SW	12.5
		9.00— 9.30	0.02		
		9.30—10.00	Trace		
		10.00—10.30	0.02		
		10.30—11.00	0.02		
30		11.00—11.30	Trace		
		11.30—12.00	Zero		
		12.00—12.30	Trace		
		12.30—13.00	Zero		
		13.00—13.15	No Record	SW	12.5
		13.15—13.30	0.01		
		13.30—14.00	0.02	NW	8.0
		14.00—23.30	Zero	NW—W	8.0—6.0
		23.30—24.00	Trace	W	5.0
40	Oct. 20	0.00— 1.00	Trace	W	5.0
		1.00— 2.00	0.02		
		2.00— 2.30	0.02		
		2.30— 5.00	Trace	W—NW	5.0—10.0
		5.00— 7.30	Zero	NW	10.0
		7.30— 8.30	No Record		
		8.30—10.30	Zero	NW—N	10.0—9.0
		10.30—11.30	0.02	N	9.0
		11.30—12.00	Zero		
		12.00—12.30	0.02		
		12.30—14.00	Trace	N—NE	9.0—5.5
50		14.00—14.30	Zero	NE	5.5
		14.30—15.00	0.02		
		15.00—15.30	Trace		
		15.30—18.00	Zero	NE	5.5—1.5
		18.00—18.30	0.03	NE	1.5
		18.30—19.00	0.04		



## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>		
10		19.00—19.30	0.04	NE	1.5			
		19.30—20.00	0.05					
		20.00—20.30	Zero					
		20.30—21.00	0.03					
		21.00—21.30	0.02					
		21.30—22.30	Trace					
		22.30—23.00	Zero					
		23.00—23.30	Trace					
		23.30—24.00	Zero					
		20	Oct. 21				0.00— 1.30	Trace
1.30— 2.00	Zero			NE	3.0			
2.00— 2.30	0.03							
2.30— 3.00	Trace							
3.00— 3.30	0.04							
3.30— 4.00	0.01							
4.00— 4.30	0.04							
4.30— 5.30	0.04							
5.30— 6.00	0.03					S	3.0	
6.00— 7.00	0.02					S	3.0	
7.00— 7.30	0.05							
7.30— 8.00	0.04							
8.00— 8.30	0.04							
8.30— 9.00	No Record							
9.00— 9.30	0.07							
30		9.30—10.00	0.09	E	4.0			
		10.00—10.30	0.05					
		10.30—11.00	0.05					
		11.00—11.30	0.06					
		11.30—12.00	0.04					
		12.00—12.30	0.02					
		12.30—13.00	0.03			NE	7.0	
		13.00—13.30	Trace			NE—E	7.0—4.3	
		13.30—17.30	Zero					
		17.30—18.30	0.03					
18.30—19.00	0.04	E	4.3					
19.00—19.30	0.03							
19.30—20.00	0.05							
20.00—20.30	0.08							
20.30—21.00	0.07							
21.00—22.00	0.06							
22.00—22.30	0.06							
22.30—23.00	0.09							
23.00—23.30	0.11							
50	Oct. 22			23.30—24.00	0.10	E	3.0	
		0.00— 0.30	0.11					
		0.30— 1.00	0.13					
		1.00— 1.30	0.10					
		1.30— 2.00	0.09					
		2.00— 2.30	0.16					
		2.30— 3.00	0.14					

## EXHIBIT No. 153 (Continued)

*In the  
Supreme  
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Ontario  
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and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued*

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		3.00— 3.30	0.09	Calm	
		3.30— 4.00	0.09		
		4.00— 4.30	0.04		
		4.30— 5.00	0.05		
		5.00— 5.30	0.06		
		5.30— 6.00	0.08		
		6.00— 6.30	0.19	E	2.0
		6.30— 7.00	0.16		
		7.00— 7.30	0.10		
		7.30— 8.00	0.06	S	5.7
		8.00— 9.00	No Record		
		9.00— 9.30	0.04		
		9.30—10.00	0.03		
		10.00—11.00	0.02		
20		11.00—11.30	Zero	S	5.7
		11.30—12.00	0.02		
		12.00—13.30	Zero		
		13.30—14.00	Trace		
		14.00—15.00	Zero		
		15.00—16.00	0.03	E	3.5
		16.00—17.00	0.04		
		17.00—17.30	0.04		
		17.30—18.00	0.05		
		18.00—18.30	0.04		
30		18.30—19.00	0.05	E	3.5
		19.00—19.30	0.07		
		19.30—20.00	0.05		
		20.00—20.30	0.05	S	4.5
		20.30—21.00	0.04		
		21.00—21.30	0.02		
		21.30—22.00	0.07		
		22.00—22.30	0.05		
		22.30—23.00	0.06		
		23.00—23.30	0.03		
40		23.30—24.00	0.05	S	4.5
	Oct. 23	0.00— 0.30	0.05	S	6.6
		0.30— 1.00	0.04		
		1.00— 2.00	0.02		
		2.00— 3.00	Trace		
		3.00— 4.30	Trace		
		4.30— 6.00	0.05		
		6.00— 6.30	0.04		
		6.30— 7.00	0.05	S	6.6
		7.00— 7.30	0.04		
50		7.30— 8.00	0.05		
		8.00— 8.30	0.05		
		8.30— 9.00	0.03		
		9.00— 9.30	Trace		
		9.30—10.00	0.02	S	6.6
		10.00—11.00	0.02	S	6.6

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		11.00—11.30	Zero			
		11.30—13.00	Trace			
		13.00—14.00	Zero	SW	6.0	
		14.00—15.00	Trace			
10		15.00—15.30	0.04	N	2.0	
		15.30—16.00	0.03			
		16.00—17.00	0.02			
		17.00—18.00	0.03	N—NE	2.0—2.5	
		18.00—20.00	0.02	NE	2.5	
		20.00—20.30	Trace			
		20.30—21.30	0.02			
		21.30—22.00	0.04			
		22.00—23.00	0.02			
		23.00—23.30	0.03	NE	2.5	
20		23.30—24.00	Trace			
	Oct. 24	0.00— 1.00	Zero	N	1.5	
		1.00— 2.00	Trace			
		2.00— 3.30	Zero			
		3.30— 6.00	Trace			
		6.00— 7.00	Trace			
		7.00— 8.00	No Record			
		8.00— 9.00	0.03	NE	9.0	
		9.00— 9.30	0.04			
		9.30—10.30	0.03			
30		10.30—12.00	Trace			
		12.00—13.00	0.02			
		13.00—13.30	0.04			
		13.30—14.00	0.03			
		14.00—14.30	0.05	N	6.0	
		14.30—15.00	Trace			
		15.00—15.30	0.05			
		15.30—16.00	0.02			
		16.00—16.30	0.04			
40		16.30—17.00	0.03			
		17.00—17.30	0.06			
		17.30—18.00	0.04	N	6.0	
		18.00—19.00	0.05			
		19.00—19.30	0.05			
		19.30—20.00	0.04			
		20.00—20.30	0.05			
		20.30—22.00	0.03			
		22.00—22.30	0.02			
		22.30—23.00	Zero	N	6.0	
50	Oct. 25	23.00—24.00	0.02			
		0.00— 1.00	0.03	N	5.0	
		1.00— 2.00	0.02			
		2.00— 3.00	0.03			
		3.00— 4.00	0.04			
		4.00— 4.30	0.04			
		4.30— 5.30	0.03			

## EXHIBIT No. 153 (Continued)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued*

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		5.30— 7.00	0.02		
		7.00— 8.00	0.03		
		8.00— 8.30	0.02	NW	8.0
		8.30— 9.00	No Record		
		9.00—11.00	Trace		
		11.00—24.00	Zero	NW—N—W	8.0—3.0
	Oct. 26	0.00— 8.00	Zero	W	5.2
		8.00— 9.00	Trace	S	6.0
		9.00— 9.30	Zero		
		9.30—10.00	0.02	W	5.0
		10.00—11.00	Trace	W	5.0
		11.00—12.30	Zero		
		12.30—14.30	Trace	N	5.0
		14.30—15.00	No Record	W	5.0
20		15.00—16.00	Trace		
		16.00—24.00	Zero	W, S	5.0—7.5
	Oct. 27	0.00— 9.00	Zero	W	3.6
		9.00—11.00	Zero		
		11.00—11.30	Trace		
		11.30—12.00	0.03		
		12.00—12.30	0.02		
		12.30—13.00	0.04	W	3.6
		13.00—13.30	0.02		
		13.30—15.00	0.03		
30		15.00—15.30	0.02		
		15.30—16.00	0.04		
		16.00—17.00	0.03		
		17.00—17.30	Trace		
		17.30—24.00	Zero	W	3.6
	Oct. 28	0.00— 4.00	Zero	W	2.6
		4.00— 4.30	Trace		
		4.30—10.00	Zero		
		10.00—11.00	Trace		
		11.00—11.30	Zero		
40		11.30—12.00	0.02		
		12.00—13.30	Trace		
		13.30—14.00	No Record	W	2.6
		14.00—14.30	0.04		
		14.30—15.30	0.02		
		15.30—16.00	0.06		
		16.00—17.30	Trace		
		17.30—18.00	0.02		
		18.00—18.30	0.03		
		18.30—19.00	Trace	SW	3.0
50		19.00—19.30	0.03		
		19.30—20.30	Trace		
		20.30—24.00	Zero		
	Oct. 29	0.00— 3.00	Zero	SW	1.0
		3.00— 3.30	0.02		
		3.30— 5.30	Zero		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz, 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	5.30— 6.00	Trace	NE	7.0		
	6.00— 7.00	Zero				
	7.00— 7.30	0.03				
	7.30— 8.00	0.04				
	8.00— 8.30	0.02				
	8.30— 9.00	0.02				
	9.00— 9.30	Trace				
	9.30—11.00	0.03				
	11.00—11.30	0.04				
	11.30—12.30	0.06				
	12.30—13.00	0.04				
	13.00—13.30	0.02				
	13.30—14.00	0.02				
	14.00—16.30	Trace				No Record
20	16.30—17.00	Zero	E	5.0		
	17.00—17.30	0.02				
	17.30—24.00	Zero				
Oct. 30	0.00— 7.00	Zero	E	2.4		
	7.00— 8.00	0.02				
	8.00— 9.30	Trace				
	9.30—10.00	0.03	E	2.4		
	10.00—10.30	0.02	E	2.4		
	10.30—11.30	Trace				
30	11.30—12.00	0.02				
	12.00—14.00	0.02				
	14.00—14.30	0.03	N	3.0		
	14.30—16.00	0.02				
	16.00—17.00	Trace	E	1.5		
	17.00—17.30	Zero				
	17.30—18.00	0.02				
	18.00—18.30	Zero				
	18.30—19.00	0.02				
	19.00—19.30	Zero				
40	19.30—20.00	0.02				
	20.00—20.30	0.04	E	1.5		
	20.30—21.00	0.05				
	21.00—21.30	0.06				
	21.30—22.00	0.06				
	22.00—22.30	0.07				
	22.30—23.00	0.07				
	23.00—24.00	0.05	E	1.5		
	Oct. 31	0.00— 1.00	0.04	E	1.5	
		1.00— 2.00	0.05			
50	2.00— 2.30	0.07				
	2.30— 3.00	0.13				
	3.00— 3.30	0.11				
	3.30— 4.00	0.12				
	4.00— 4.30	0.17				
	4.30— 5.00	0.16	E	1.5		
	5.00— 5.30	0.13				

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Kutz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		5.30— 6.00	0.15		
		6.00— 6.30	0.16		
		6.30— 7.00	0.22		
		7.00— 7.30	0.23		
		7.30— 8.00	0.12		
		8.00— 8.30	0.10		
		8.30— 9.00	0.08	E	1.5
		9.00— 9.30	0.10		
		9.30—10.30	0.05		
		10.30—11.00	0.04		
		11.00—11.30	0.05		
		11.30—12.00	0.04		
		12.00—12.30	0.05	N	1.5
		12.30—13.30	0.03		
20		13.30—14.00	0.02		
		14.00—14.30	0.03		
		14.30—15.30	0.02		
		15.30—16.00	0.04		
		16.00—16.30	0.08		
		16.30—17.00	0.07		
		17.00—17.30	0.05	N	1.5
		17.30—18.30	0.02		
		18.30—19.00	0.03		
		19.00—19.30	0.06		
30		19.30—20.00	0.05		
		20.00—20.30	0.04		
		20.30—22.00	0.03		
		22.00—23.00	0.02		
		23.00—24.00	0.02	N	1.5
	Nov. 1	0.00— 2.00	0.02	N	1.5
		2.00— 3.30	Trace		
		3.30— 5.30	0.02		
		5.30— 6.00	Trace		
		6.00— 7.30	0.04		
40		7.30— 9.00	No Record	N	1.5—2.4
		9.00— 9.30	0.04	N	2.4
		9.30—16.00	0.02	N, W	2.4—4.7
		16.00—17.00	0.03	N, E	2.5—2.4
		17.00—17.30	0.04	E	2.4
		17.30—18.00	0.05		
		18.00—18.30	0.07		
		18.30—19.00	0.05		
		19.00—20.00	0.04		
		20.00—20.30	0.05	E	2.4
50		20.30—21.00	0.06		
		21.00—21.30	0.07		
		21.30—22.00	0.04		
		22.00—22.30	0.06		
		22.30—23.00	0.02	E	2.4
		23.00—24.00	0.03		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
Nov. 2	0.00— 1.30	0.02	E	5.0		
	1.30— 2.30	0.04				
	2.30— 3.30	0.03				
	3.30— 4.00	0.02				
	10	4.00— 5.00	Zero	E		5.0
		5.00— 6.00	Trace			
		6.00— 7.00	0.02			
		7.00— 7.30	0.05			
		7.30— 8.00	0.06			
		8.00— 8.30	0.05			
8.30— 9.30		0.04				
9.30—10.00		0.03				
10.00—11.30		0.05				
11.30—15.00		0.04				
20	15.00—15.30	0.02	E	5.0		
	15.30—17.30	0.04				
	17.30—19.30	0.04				
	19.30—20.00	0.10				
	20.00—20.30	0.07				
	20.30—22.30	0.02				
	22.30—23.00	0.07				
	23.00—23.30	0.09				
	23.30—24.00	0.04				
	Nov. 3	0.00— 1.00			Trace	S
1.00— 2.00		0.02				
2.00— 2.30		0.04				
2.30— 3.00		0.05				
3.00— 3.30		0.07				
3.30— 4.00		0.04				
4.00— 5.30		0.03				
5.30— 7.00		0.05				
7.00— 7.30		0.11				
7.30— 8.00		0.12				
40	8.00— 8.30	0.11	SE	6.0		
	8.30— 9.00	0.06				
	9.00— 9.30	0.05				
	9.30—11.00	0.03				
	11.00—12.00	0.05				
	12.00—12.30	0.03				
	12.30—15.00	Zero				
	15.00—16.30	Trace				
	16.30—17.00	0.02				
	17.00—17.30	0.06				
50	17.30—18.00	0.03	SE	6.0		
	18.00—18.30	0.05				
	18.30—19.30	0.06				
	19.30—20.00	0.09				
	20.00—20.30	0.13				
	20.30—21.00	0.31				
	21.00—21.30	0.10				

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
	Nov. 4	21.30—22.00	0.09			
		22.00—22.30	0.05			
		22.30—23.00	0.06			
		23.00—24.00	0.02	S	6.0	
		0.00— 4.30	0.02	S	7.6	
		4.30— 5.30	0.04			
		5.30— 6.00	0.05			
		6.00— 6.30	0.07			
		6.30— 7.00	0.06			
		7.00— 8.00	0.10			
		8.00— 9.00	0.05			
		9.00—12.00	Trace	SW	10.6	
		12.00—13.00	0.04			
20			13.00—13.30	0.06		
			13.30—14.00	0.05		
			14.00—14.30	0.06		
			14.30—15.00	0.04		
			15.00—15.30	0.06		
			15.30—16.30	0.03		
			16.30—18.00	0.02		
		18.00—18.30	0.06			
		18.30—20.00	0.04	S	4.5	
		20.00—21.00	0.05			
		21.00—21.30	Trace			
30		21.30—22.00	0.07			
		22.00—22.30	0.04			
		22.30—23.30	0.07			
		23.30—24.00	0.05	S	4.5	
	Nov. 5	0.00— 0.30	0.05	S	7.0	
		0.30— 4.00	0.04	S, SE	7.0—9.3	
		4.00— 4.30	Zero	SE	9.3	
		4.30— 5.00	0.02			
		5.00— 5.30	0.04			
		5.30— 6.00	Trace			
40			6.00— 6.30	0.07		
			6.30— 7.00	0.09		
			7.00— 7.30	0.05		
			7.30— 8.00	0.10		
		8.00— 8.30	No Record	SE	9.3	
		8.30— 9.00	0.09			
		9.00— 9.30	0.08			
		9.30—10.00	0.03			
		10.00—11.00	0.03			
		11.00—11.30	Trace			
50		11.30—12.00	0.03	SE	9.3	
		12.00—13.30	Zero	SE	9.3	
		13.30—15.30	No Record	SE, NE	8.0—10.0	
		15.30—17.30	0.02	SE	10.0	
		17.30—18.00	0.05			
		18.00—18.30	0.06			



## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		18.30—19.00	0.07			
		19.00—19.30	0.05			
		19.30—20.00	Trace			
		20.00—23.00	Zero	SE, S	10.0—18.0	
10		23.00—23.30	0.02	S	18.0	
		23.30—24.00	Zero			
	Nov. 6	0.00— 9.30	Zero	S, SW	13.0—16.3	
		9.30—24.00	Zero	SW	16.3	
	Nov. 7	0.00—24.00	Zero	SW, W	12.3—10.0	
	Nov. 8	0.00— 8.00	Zero	W, SW, S	5.5—4.3	
		8.00—10.00	Trace	S	5.0	
		10.00—13.30	Zero	SW	5.0	
		13.30—14.30	Trace	NE	7.0	
20		14.30—15.00	Zero			
		15.00—16.00	Trace			
		16.00—16.30	Zero			
		16.30—18.00	0.02	E	5.0	
		18.00—20.00	0.03			
		20.00—21.30	0.04			
		21.30—22.00	0.13			
		22.00—22.30	0.15	S	8.5	
		22.30—23.00	0.10			
		23.00—24.00	0.08			
30	Nov. 9	0.00— 0.30	0.11	S	8.6	
		0.30— 1.00	0.07			
		1.00— 1.30	0.04			
		1.30— 2.00	Trace			
		2.00— 2.30	Zero			
		2.30— 4.00	0.03			
		4.00— 4.30	0.04			
		4.30— 5.30	0.03	S	8.6	
		5.30— 6.30	0.05			
		6.30— 7.30	0.03			
		7.30— 8.00	0.04			
40		8.00— 8.30	No Record			
		8.30— 9.30	0.02			
		9.30—12.00	Zero			
		12.00—13.30	Trace	S	8.6	
		13.30—14.30	0.03			
		14.30—15.00	Zero			
		15.00—17.30	0.02			
		17.30—19.00	0.03			
		19.00—20.00	Trace			
50		20.00—20.30	0.07			
		20.30—21.00	0.02			
		21.00—21.30	0.08			
		21.30—23.30	Zero	S	8.6	
		23.30—24.00	0.06			
	Nov. 10	0.00— 1.30	Zero	S	13.4	
		1.30— 2.00	Trace			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		2.00— 2.30	0.06		
		2.30— 3.00	0.09		
		3.00— 3.30	0.04		
		3.30— 4.30	Zero	SW	16.0
		4.30— 5.00	0.04		
		5.00— 5.30	0.06		
		5.30— 6.00	0.04		
		6.00— 6.30	0.06		
		6.30— 7.00	0.04		
		7.00— 8.00	0.06		
		8.00— 8.30	0.08	SW	16.0
		8.30—10.00	0.07		
		10.00—10.30	0.08		
		10.30—11.30	0.06		
20		11.30—14.30	0.05		
		14.30—15.00	0.04		
		15.00—15.30	0.06		
		15.30—16.00	0.07	W	7.8
		16.00—16.30	Trace		
		16.30—20.00	Zero		
		20.00—21.00	Trace		
		21.00—24.00	Zero		
	Nov. 11	0.00— 8.00	Zero	W, S, SW	4.5—13.4
		8.00— 8.30	0.02	SW	13.4
30		8.30— 9.00	0.04		
		9.00— 9.30	0.06		
		9.30—10.00	0.06		
		10.00—10.30	0.07		
		10.30—11.00	0.10		
		11.00—11.30	0.06		
		11.30—12.30	0.05	SW	13.4
		12.30—15.00	0.04		
		15.00—15.30	0.05		
		15.30—16.00	0.03		
40		16.00—20.30	Zero		
		20.30—21.30	0.02		
		21.30—22.00	Zero	W	8.0
		22.00—22.30	0.08		
		22.30—23.00	0.22		
		23.00—23.30	0.06		
		23.30—24.00	Zero		
	Nov. 12	0.00— 7.00	Zero	SW, S	5.5
		7.00— 7.30	0.04	S	5.5
		7.30— 8.00	0.07		
50		8.00— 8.30	0.08		
		8.30— 9.00	0.14		
		9.00— 9.30	0.20		
		9.30—10.00	0.21		
		10.00—10.30	0.10	S	5.5
		10.30—11.00	0.08		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
10	11.00—11.30	0.05			
	11.30—12.00	0.04			
	12.00—12.30	0.03			
	12.30—13.00	Trace			
	13.00—13.30	0.02			
	13.30—15.30	0.04	S	5.5	
	15.30—16.00	Trace	S	5.5	
	16.00—16.30	0.04			
	16.30—18.30	0.03			
	18.30—19.30	0.04			
	19.30—20.00	Zero	SW	16.5	
	20.00—21.00	0.03			
	21.00—21.30	0.05			
20	21.30—22.30	0.03			
	22.30—24.00	Trace			
	Nov. 13 0.00— 1.30	Trace	SW	12.3	
	1.30—24.00	Zero	SW, W	12.3—14.4	
	Nov. 14 0.00— 3.30	Zero	W, SW	8.0	
	3.30— 8.30	No Record			
	8.30—16.00	Zero	W, SW, S	8.0—5.0	
	16.00—17.30	Trace	S	5.0	
	17.30—18.30	0.06	SW	5.0	
	18.30—19.00	0.07			
30	19.00—19.30	0.09			
	19.30—20.00	0.07			
	20.00—20.30	0.04			
	20.30—24.00	Zero	W	5.0	
	Nov. 15 0.00— 6.00	Zero	W	8.3	
	6.00— 6.30	0.10			
	6.30— 7.00	0.06			
	7.00— 7.30	0.07			
	7.30— 8.00	0.06			
	8.00— 8.30	0.08			
40	8.30— 9.00	0.09	W	8.3	
	9.00— 9.30	0.31			
	9.30—10.00	0.22			
	10.00—10.30	0.07			
	10.30—11.00	0.20			
	11.00—11.30	0.16			
	11.30—12.00	0.20			
	12.00—12.30	0.19	W	8.3	
	12.30—13.00	0.20			
	13.00—13.30	0.28			
50	13.30—14.00	0.28			
	14.00—14.30	0.18			
	14.30—15.00	0.11			
	15.00—22.00	Zero			
	22.00—22.30	Trace			
	22.30—24.00	Zero	W	8.3	
	Nov. 16 0.00— 2.30	Zero	W	3.0	

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	2.30— 3.00	Trace		
	3.00— 3.30	0.03		
	3.30— 4.00	0.10		
	4.00— 4.30	0.08		
	4.30— 5.00	0.08		
	5.00— 5.30	0.05		
	5.30— 6.00	0.07	S	7.4
	6.00— 6.30	0.11		
	6.30— 7.00	0.07		
	7.00— 7.30	0.04		
	7.30— 8.00	No Record		
	8.00— 8.30	0.10	S	7.4
	8.30— 9.00	0.06	S	7.4
	9.00— 9.30	0.04		
20	9.30—10.00	0.06		
	10.00—10.30	0.04		
	10.30—11.30	0.07		
	11.30—12.00	0.05		
	12.00—15.00	0.03		
	15.00—16.00	0.04		
	16.00—17.00	Trace	SE	10.5
	17.00—18.00	0.07		
	18.00—18.30	0.06		
	18.30—21.00	0.03		
30	21.00—21.30	Trace		
	21.30—22.30	Zero		
	22.30—23.00	0.02		
	23.00—24.00	Zero	SE	10.5
Nov. 17	0.00— 0.30	Trace	SW	19.3
	0.30— 1.00	0.03		
	1.00— 3.00	Zero		
	3.00— 4.00	0.02		
	4.00— 5.30	Zero		
	5.30— 6.30	0.04		
40	6.30— 7.30	0.05		
	7.30— 8.30	0.09	SW	19.3
	8.30— 9.00	0.11		
	9.00— 9.30	0.13		
	9.30—10.00	0.15		
	10.00—10.30	0.13		
	10.30—11.00	0.15		
	11.00—11.30	0.10		
	11.30—12.00	0.05	SW	19.3
	12.00—12.30	0.09		
50	12.30—13.30	0.12		
	13.30—14.00	0.14		
	14.00—14.30	0.12		
	14.30—15.00	0.04		
	15.00—21.00	Zero		
	21.00—21.30	Trace		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
Nov. 18	21.30—24.00	0.03	SW	19.3	
	0.00— 2.30	0.03	W	6.0	
	2.30— 3.30	0.04			
	3.30— 5.00	0.03			
	5.00— 6.00	0.02			
	6.00— 7.30	Trace	S, S	6.0—4.5	
	7.30— 8.00	No Record			
	8.00— 8.30	0.03			
	8.30—10.00	0.05			
	10.00—12.30	Trace			
Nov. 19	12.30—13.00	Zero			
	13.00—14.00	Trace			
	14.00—14.30	0.07			
	14.30—15.00	0.02	E	5.7	
	15.00—15.30	0.04			
	15.30—18.00	0.03			
	18.00—22.00	0.04			
	22.00—24.00	0.05	E	5.7	
	0.00— 0.30	0.09	E	6.0	
	0.30— 1.00	0.04			
Nov. 20	1.00— 1.30	0.05			
	1.30— 2.00	0.07			
	2.00— 2.30	0.05			
	2.30— 3.00	0.07			
	3.00— 3.30	0.11	E	6.0	
	3.30— 4.00	0.14			
	4.00— 4.30	0.10			
	4.30— 5.00	0.09			
	5.00— 5.30	0.13			
	5.30— 6.00	0.13			
Nov. 21	6.00— 6.30	0.15			
	6.30— 7.00	0.20	E	6.0	
	7.00— 7.30	No Record			
	7.30— 8.00	0.22			
	8.00— 8.30	0.17			
	8.30— 9.00	0.09			
	9.00— 9.30	0.07			
	9.30—10.00	0.09			
	10.00—10.30	0.06			
	10.30—11.00	0.05	E	6.0	
Nov. 22	11.00—11.30	0.04			
	11.30—12.00	Trace			
	12.00—12.30	Zero			
	12.30—14.00	0.02			
	14.00—15.30	Trace			
	15.30—16.00	0.03			
	16.00—17.00	Trace			
	17.00—24.00	Zero	NE	12.6	
	0.00— 3.00	Zero	NE, W	11.0—10.0	
	3.00— 3.30	0.12	W	10.0	

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		3.30— 4.00	0.04		
		4.00— 5.30	Trace		
		5.30— 6.00	Zero		
		6.00— 6.30	0.04		
		6.30— 8.00	Trace		
		8.00— 8.30	0.09		
		8.30— 9.00	0.09		
		9.00—10.00	0.05		
		10.00—11.00	0.07	SW	14.0
		11.00—11.30	0.14		
		11.30—12.00	0.10		
		12.00—13.00	0.05		
		13.00—14.00	0.08		
		14.00—14.30	0.06		
20		14.30—15.00	0.08		
		15.00—15.30	Trace		
		15.30—24.00	Zero	SW, W	14.0—6.0
Nov. 21		0.00—24.00	Zero	W, SW	10.0—5.0
Nov. 22		0.00— 1.00	Trace	SW	3.0
		1.00— 2.00	0.03		
		2.00— 3.00	0.06	SW, S	3.0—4.5
		3.00— 4.00	0.05	S	4.5
		4.00— 4.30	0.12		
		4.30— 5.00	0.08	SE	3.0
30		5.00— 5.30	0.06		
		5.30— 6.00	0.10	SE	3.0
		6.00— 6.30	0.19		
		6.30— 7.00	0.15		
		7.00— 7.30	0.15	E	4.0
		7.30— 8.00	0.13		
		8.00— 8.30	0.10		
		8.30— 9.00	0.12		
		9.00— 9.30	0.12		
		9.30—10.00	0.14		
40		10.00—10.30	0.22		
		10.30—11.00	0.20	S	7.0
		11.00—11.30	0.16		
		11.30—12.00	0.10		
		12.00—12.30	0.07		
		12.30—13.00	0.06		
		13.00—13.30	0.04		
		13.30—16.00	Trace		
		16.00—16.30	Zero		
		16.30—17.00	Trace		
50		17.00—17.30	Zero		
		17.30—18.00	Trace	W	10.0
		18.00—18.30	0.04		
		18.30—19.00	0.05		
		19.00—19.30	0.02		
		19.30—20.00	Trace		

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
		20.00—21.30	Zero			
		21.30—22.00	0.09			
		22.00—22.30	0.18			
		22.30—23.00	0.16			
10	Nov. 23	23.00—24.00	0.02	W	10.0	
		0.00— 1.00	0.04	W	11.0	
		1.00— 1.30	0.02			
		1.30— 2.00	0.05			
		2.00— 2.30	0.03			
		2.30— 3.00	0.09			
		3.00— 3.30	0.07			
		3.30— 4.00	0.13			
		4.00— 4.30	0.13	W	11.0	
		4.30— 5.00	0.14			
20		5.00— 5.30	0.22			
		5.30— 6.00	0.30			
		6.00— 6.30	0.22			
		6.30— 7.00	0.32			
		7.00— 7.30	0.20			
		7.30— 8.00	No Record	W	11.00	
		8.00— 8.30	0.09			
		8.30— 9.00	0.17			
		9.00— 9.30	0.24			
		9.30—10.00	0.28	NW	8.5	
30		10.00—10.30	0.13			
		10.30—11.00	0.22			
		11.00—11.30	0.23			
		11.30—12.00	0.22			
		12.00—12.30	Zero			
		12.30—13.00	Zero			
		13.00—14.00	Zero			
		14.00—14.30	0.08	W	5.0	
		14.30—15.00	0.05			
		15.00—24.00	Zero			
40	Nov. 24	0.00— 4.30	Zero	W	3.4	
		4.30— 5.00	0.02	S	3.0	
		5.00— 8.30	Zero			
		8.30— 9.00	Trace			
		9.00—10.30	Zero			
		10.30—11.00	0.02			
		11.00—12.30	Trace			
		12.30—13.00	0.04	S	3.0	
		13.00—14.30	0.02			
		14.30—15.30	Zero			
50		15.30—18.30	Trace			
		18.30—19.30	0.03			
		19.30—20.00	0.05			
		20.00—20.30	0.06	S	3.0	
		20.30—21.00	0.03			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		21.00—22.30	0.03		
		22.30—23.00	Trace		
		23.00—23.30	0.08		
		23.30—24.00	0.11	S	3.0
	Nov. 25	0.00— 0.30	0.12	S	2.0
		0.30— 1.00	0.05		
		1.00— 1.30	0.03		
		1.30— 2.00	0.02		
		2.00— 2.30	0.04		
		2.30— 3.00	0.09		
		3.00— 3.30	0.07		
		3.30— 4.30	0.02		
		4.30— 5.00	0.05	W	3.0
		5.00— 5.30	Trace		
20		5.30— 6.00	Zero		
		6.00— 6.30	0.04		
		6.30— 7.00	0.09		
		7.00— 7.30	0.13		
		7.30— 8.00	No Record		
		8.00— 8.30	0.08		
		8.30— 9.00	0.10	S	5.0
		9.00— 9.30	0.07	S	5.0
		9.30—10.00	0.05		
		10.00—10.30	0.06		
30		10.30—11.00	0.03		
		11.00—12.30	0.02	S, SW	5.0—12.0
		12.30—13.00	0.03	SW	12.0
		13.00—13.30	0.09		
		13.30—14.00	0.06		
		14.00—14.30	0.03		
		14.30—17.00	Trace	SW, S	12.0—6.0
		17.00—18.00	0.05	S	6.0
		18.00—18.30	0.04		
		18.30—19.00	0.05		
40		19.00—22.00	0.04		
		22.00—22.30	0.03		
		22.30—23.00	0.04		
		23.00—23.30	0.05		
		23.30—24.00	0.05	S	6.0
	Nov. 26	0.00— 0.30	0.04	S	7.5
		0.30— 1.00	0.06		
		1.00— 1.30	0.05		
		1.30— 2.00	0.07		
		2.00— 2.30	0.16		
50		2.30— 3.00	0.26		
		3.00— 3.30	0.13		
		3.30— 4.00	0.12		
		4.00— 4.30	0.06		
		4.30— 5.00	0.09		
		5.00— 5.30	0.05		



## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	5.30— 6.30	0.07				
	6.30— 7.00	0.09				
	7.00— 7.30	0.07				
	7.30— 8.30	0.06				
	8.30— 9.00	0.04				
	9.00—11.30	Trace	S, SW	7.5—11.8		
	11.30—12.30	0.04	SW	11.8		
	12.30—13.00	0.06				
	13.00—14.00	0.03				
	14.00—15.00	No Record				
	15.00—18.00	Trace				
	18.00—22.30	Zero				
	22.30—24.00	Trace	W	8.0		
	20	Nov. 27 0.00— 1.00	Zero	W	13.0	
1.00— 1.30		Trace				
1.30— 3.00		0.02				
3.00— 3.30		0.14				
3.30— 4.00		0.22				
4.00— 4.30		0.18				
4.30— 5.00		0.23				
5.00— 5.30		0.19				
5.30— 6.00		0.23	W	13.0		
6.00— 6.30		0.25				
6.30— 7.00		0.23				
30		7.00— 7.30	0.26			
		7.30— 8.00	0.34			
		8.00— 8.30	0.31			
	8.30— 9.00	0.22				
	9.00— 9.30	0.17	W	13.0		
	9.30—10.00	0.13				
	10.00—10.30	0.21				
	10.30—11.00	0.14				
	11.00—11.30	0.19				
	11.30—12.00	0.12				
	40	12.00—12.30	0.16			
		12.30—13.00	0.13	W	13.0	
		13.00—13.30	0.18			
		13.30—14.00	0.23			
14.00—14.30		0.22				
14.30—15.00		0.03				
15.00—24.00		Zero	W, SW	13.0—11.0		
Nov. 28 0.00—24.00		Zero	SW, W, NE, E	8.0—3.9		
50		Nov. 29 0.00— 0.30	Zero	E	5.3	
		0.30— 1.00	Trace			
		1.00— 1.30	Zero			
		1.30— 3.00	Trace			
		3.00— 7.00	Zero	NE, E	11.4—8.5	
		7.00— 8.00	0.03	E	8.5	
	8.00— 9.00	0.04				
	9.00—11.00	0.03	E, NE	8.5—8.0		

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
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Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	11.00—11.30	Zero	NE	8.0
	11.30—12.00	Trace		
	12.00—13.00	Zero		
	13.00—15.30	Trace	NE, N	8.0—4.0
	15.30—16.00	Zero	N	4.0
	16.00—17.00	0.02		
	17.00—24.00	Zero	N, W	4.0—3.6
Nov. 30	0.00— 4.00	Zero	W	3.0
	4.00— 5.30	Trace		
	5.30— 6.00	0.04	S	4.0
	6.00— 9.00	Trace	S, W	4.0—9.0
	9.00—10.00	0.04	W	9.0
	10.00—10.30	0.05		
	10.30—12.00	0.03		
20	12.00—12.30	0.05		
	12.30—13.00	0.03		
	13.00—13.30	0.16	W	9.0
	13.30—14.00	0.06		
	14.00—14.30	0.09		
	14.30—15.00	0.12		
	15.00—15.30	0.02		
	15.30—21.30	Zero		
	21.30—24.00	Trace	W	9.0
Dec. 1	0.00— 3.00	Zero	W, S	4.0—3.2
30	3.00— 4.00	0.01	S	3.2
	4.00— 4.30	0.01	W	11.4
	4.30— 5.00	0.05		
	5.00— 5.30	0.05		
	5.30— 6.00	0.14		
	6.00— 6.30	0.27		
	6.30— 7.00	0.09		
	7.00— 7.30	0.10		
	7.30— 8.00	0.23	W	11.4
	8.00— 8.30	0.23		
40	8.30— 9.00	0.19		
	9.00— 9.30	0.20		
	9.30—10.00	0.17		
	10.00—10.30	0.13		
	10.30—11.00	0.11		
	11.00—11.30	0.13	W	11.4
	11.30—12.00	0.11		
	12.00—12.30	0.16		
	12.30—13.00	0.17		
	13.00—13.30	0.11		
50	13.30—14.00	0.20		
	14.00—14.30	0.21		
	14.30—15.00	0.04		
	15.00—24.00	Zero	W. SW	11.4—5.0
Dec. 2	0.00— 2.30	Zero	SW	3.4
	2.30— 3.00	0.02		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10	3.00— 3.30	0.02				
	3.30— 4.00	Zero				
	4.00— 4.30	No Record				
	4.30— 5.00	0.07	W	3.4		
	5.00— 5.30	0.07				
	5.30— 6.00	0.15				
	6.00— 6.30	0.19				
	6.30— 7.00	0.25				
	7.00— 7.30	0.30	SE	5.3		
	7.30— 8.00	0.29				
	8.00— 8.30	0.23				
	8.30— 9.00	0.07				
	9.00— 9.30	0.04				
20	9.30—10.00	0.04	S	7.0		
	10.00—10.30	0.04				
	10.30—11.00	0.02				
	11.00—11.30	0.01				
	11.30—12.00	Zero	SW	7.0		
	12.00—12.30	Trace				
	12.30—13.00	Zero				
	13.00—15.30	Trace	SW, S	7.0—3.0		
	15.30—16.00	0.02	S	3.0		
	16.00—16.30	0.04				
30	16.30—17.00	0.09				
	17.00—17.30	0.12				
	17.30—18.00	0.11				
	18.00—18.30	0.10				
	18.30—19.00	0.03				
	19.00—19.30	0.04				
	19.30—20.00	0.03				
	20.00—20.30	0.04				
	20.30—21.00	0.01				
	21.00—21.30	0.04				
40	21.30—22.00	0.03				
	22.00—22.30	0.04	S	3.0		
	22.30—23.00	0.03				
	23.00—23.30	0.03				
	23.30—24.00	0.04	S	3.0		
Dec. 3	0.00— 0.30	No Record	W	5.0		
	0.30— 1.00	0.03				
	1.00— 1.30	0.02				
	1.30— 2.00	0.04				
	2.00— 2.30	0.03				
	50	2.30— 3.00	0.04			
		3.00— 3.30	0.03			
		3.30— 4.00	0.01			
		4.00— 4.30	0.02			
		4.30— 5.00	0.02			
		5.00— 6.30	Zero			
		6.30— 7.00	0.02			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		7.00— 8.00	Zero		
		8.00— 8.30	0.04		
		8.30— 9.00	0.05		
		9.00— 9.30	0.01		
		9.30—10.00	Trace		
		10.00—10.30	0.01		
		10.30—11.00	0.02		
		11.00—11.30	0.02		
		11.30—12.00	0.04		
		12.00—12.30	0.04		
		12.30—13.00	0.03		
		13.00—13.30	0.05		
		13.30—14.00	Trace	N	2.5
		14.00—14.30	0.02		
20		14.30—15.00	0.05		
		15.00—16.00	0.05		
		16.00—16.30	0.04		
		16.30—17.00	0.14		
		17.00—17.30	0.10		
		17.30—18.00	Trace	S	3.5
		18.00—18.30	0.01		
		18.30—20.00	Zero		
		20.00—20.30	Trace		
		20.30—22.00	Zero	S, W	3.5—3.0
30		22.00—23.00	0.02	W	3.0
		23.00—24.00	Zero		
	Dec. 4	0.00— 1.30	Zero	W	2.6
		1.30— 2.00	Trace		
		2.00— 2.30	Zero		
		2.30— 3.00	0.02		
		3.00— 3.30	0.05		
		3.30— 4.00	0.04		
		4.00— 5.00	0.09		
		5.00— 5.30	Zero		
40		5.30— 6.00	Trace		
		6.00— 7.30	Zero	W, S	2.6—4.6
		7.30— 8.00	No Record	S	4.6
		8.00— 9.30	Zero		
		9.30—10.30	0.02	W	4.3
		10.30—11.00	0.01		
		11.00—12.00	Zero		
		12.00—14.00	0.02		
		14.00—16.00	Zero	W, S	4.3—5.0
50		16.00—16.30	Trace	S	5.0
		16.30—17.00	0.03		
		17.00—17.30	0.01		
		17.30—18.30	0.02		
		18.30—19.30	0.01		
		19.30—20.00	0.02		
		20.00—21.00	0.02		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 1948 to 31st Dec., 1948 Continued</i>			
10	Dec. 5	21.00—21.30						
		21.30—22.30	0.01					
		22.30—23.00	0.02					
		23.00—24.00	0.05					
		0.00—1.00	0.02	S	5.0			
		1.00—2.00	Trace	S	6.5			
		2.00—3.00	0.02					
		3.00—4.00	0.01					
		4.00—4.30	0.02					
		4.30—5.30	0.01					
		5.30—6.00	0.02					
		6.00—6.30	0.04					
		6.30—9.15	0.04	S	6.5			
20		9.15—10.45	0.02					
		10.45—11.45	0.04					
		11.45—12.15	0.02					
		12.15—13.45	0.02					
		13.45—14.15	0.04					
		14.15—14.45	0.02					
		14.45—15.15	0.04					
		15.15—15.45	0.01	SE	11.4			
		15.45—16.15	0.04					
		16.15—16.45	0.02					
		16.45—24.00	Zero	SE, S	11.4—14.0			
		30	Dec. 6	0.00—3.15	Zero	SW	22.0	
				3.15—3.45	0.04			
3.45—6.15	Zero							
6.15—7.15	Trace							
7.15—7.45	0.04							
7.45—8.15	0.05							
8.15—8.45	0.06							
8.45—9.45	0.04							
9.45—10.15	0.02			SW	22.0			
40				10.15—10.45	0.06			
				10.45—11.15	0.05			
				11.15—11.45	0.06			
				11.45—12.15	Trace			
		12.15—13.15	0.03					
		13.15—13.45	0.09					
		13.45—14.45	0.07					
		14.45—24.00	Zero	SW	22.0			
		50	Dec. 7	0.00—2.30	Zero	SW	13.8	
				2.30—3.30	Trace			
				3.30—4.30	Trace			
				4.30—5.00	0.03			
				5.00—5.30	Trace			
5.30—7.30	0.03							
7.30—8.00	0.05							
8.00—8.30	Zero							
8.30—9.00	0.03							

## EXHIBIT No. 153 (Continued)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued*

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		9.00—10.30	Zero		
		10.30—11.30	Trace	SW	13.8
		11.30—12.00	0.08	SW	13.8
		12.00—12.30	0.03		
		12.30—13.00	0.08		
		13.00—13.30	0.01		
		13.30—14.00	0.08		
		14.00—23.30	Zero	SW, W	13.8—2.0
		23.30—24.00	0.05	W	2.0
Dec. 8		0.00— 0.30	0.03	W	6.0
		0.30— 1.00	0.03		
		1.00— 1.30	0.05		
		1.30— 2.00	0.05		
		2.00— 2.30	0.01		
20		2.30— 4.30	Zero	W, SW	6.0—10.0
		4.30— 5.00	0.11	W	10.0
		5.00— 5.30	0.09		
		5.30— 6.00	0.09		
		6.00— 6.30	0.08		
		6.30— 7.00	0.03		
		7.00— 8.00	0.04	W, SW	10.0—12.0
		8.00— 8.30	0.03	SW	12.0
		8.30— 9.00	No Record		
		9.00— 9.30	0.11	W	13.6
30		9.30—10.00	Zero		
		10.00—11.00	0.17		
		11.00—11.30	0.11		
		11.30—12.00	0.09		
		12.00—12.30	0.04		
		12.30—13.00	Zero	W	13.6
		13.00—13.30	0.09		
		13.30—14.00	0.06		
		14.00—14.30	0.06		
		14.30—15.00	0.15		
40		15.00—15.30	0.17		
		15.30—16.00	0.15		
		16.00—16.30	0.08		
		16.30—24.00	Zero	W	13.6
Dec. 9		0.00— 0.30	0.03	W	7.6
		0.30— 1.00	0.01		
		1.00— 1.30	0.08		
		1.30— 2.00	Zero		
		2.00— 2.30	0.09		
		2.30— 3.00	0.04		
50		3.00— 3.30	0.15		
		3.30— 4.00	0.08		
		4.00— 4.30	0.11	W	7.6
		4.30— 5.00	Zero		
		5.00— 5.30	0.04		
		5.30— 6.00	0.09		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
10	6.00— 6.30	0.21			
	6.30— 8.00	Zero			
	8.00— 8.30	No Record			
	8.30— 9.00	0.04			
	9.00— 9.30	Zero	W		7.6
	9.30—11.30	0.04			
	11.30—12.00	0.11			
	12.00—12.30	0.06			
	12.30—13.00	0.08			
	13.00—13.30	0.11			
	13.30—14.00	0.08			
	14.00—14.30	0.06	W		7.6
	14.30—15.00	0.11	W		7.6
	15.00—15.30	0.06			
20	15.30—16.00	0.03			
	16.00—24.00	Zero	W		7.6
	Dec. 10 0.00— 5.30	Zero	W		9.7
	5.30— 7.00	Trace			
	7.00— 8.30	Zero			
	8.30— 9.00	0.04			
	9.00— 9.30	0.08			
	9.30—10.00	0.16			
	10.00—10.30	0.11	W		9.7
	10.30—11.00	0.10			
30	11.00—11.30	0.08			
	11.30—12.30	0.08			
	12.30—13.00	0.18			
	13.00—13.30	0.08			
	13.30—14.00	0.13			
	14.00—14.30	0.14			
	14.30—15.00	0.03	NW		12.0
	15.00—24.00	Zero	NW, W		12.0—9.6
	Dec. 11 0.00— 8.30	Zero	W		4.4
	8.30— 9.00	No Record			
40	9.00—10.00	0.03	W, E		4.4—4.5
	10.00—11.00	0.04	E		4.5
	11.00—11.30	0.11			
	11.30—12.00	0.03	S		5.6
	12.00—16.00	Zero			
	16.00—16.30	0.03			
	16.30—18.00	Zero			
	18.00—18.30	0.04			
	18.30—19.00	0.03	S		5.6
	19.00—19.30	0.04			
50	19.30—20.00	0.03			
	20.00—20.30	0.03			
	20.30—23.00	Zero			
	23.00—23.30	0.03			
	23.30—24.00	0.06	S		5.6
	Dec. 12 0.00— 0.30	0.03	S		8.0

## EXHIBIT No. 153 (Continued)

In the  
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Court of  
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Defendant's  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		0.30— 1.00	Zero		
		1.00— 2.00	Zero		
		2.00— 2.30	0.03		
		2.30— 3.30	Trace		
		3.30— 4.00	Zero		
		4.00— 4.30	Trace		
		4.30— 8.30	Zero		
		8.30— 9.00	No Record		
		9.00—24.00	Zero	S, SW	8.0—10.5
	Dec. 13	0.00—24.00	Zero	W, N	7.8—3.3
	Dec. 14	0.00—10.00	Zero	N	7.7
		10.00—12.00	No Record		
		12.00—16.00	Zero	NE, E	6.0—5.8
		16.00—19.00	Trace	E	5.8
20		19.00—20.30	Zero		
		20.30—22.00	Trace		
		22.00—24.00	Zero	E	5.8
	Dec. 15	0.00— 7.30	Zero	E	12.3
		7.30— 8.00	0.02		
		8.00— 8.30	Trace		
		8.30— 9.00	0.01		
		9.00— 9.30	Trace		
		9.30—10.00	Zero	E	12.3
		10.00—12.00	Trace		
30		12.00—14.00	0.02		
		14.00—15.00	Trace		
		15.00—15.30	Zero		
		15.30—23.00	Trace		
		23.00—24.00	Zero	E	12.3
	Dec. 16	0.00— 1.30	Zero	E	3.7
		1.30— 4.00	Trace		
		4.00— 4.30	0.04		
		4.30— 5.30	0.05		
		5.30— 6.00	0.08		
40		6.00— 6.30	0.10		
		6.30— 7.00	0.12		
		7.00— 7.30	0.18		
		7.30— 8.00	0.21		
		8.00— 8.30	0.16	E	3.7
		8.30— 9.00	0.16		
		9.00— 9.30	0.15		
		9.30—10.00	0.20		
		10.00—10.30	0.15		
		10.30—11.00	0.08		
50		11.00—11.30	0.05		
		11.30—13.00	0.05	W	9.0
		13.00—15.00	0.04		
		15.00—15.30	0.06		
		15.30—16.00	0.03		
		16.00—24.00	Zero	SW	10.5



## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
Dec. 17	0.00— 1.15	Zero	SW	12.0	
	1.15— 1.45	0.05			
	1.45— 2.45	0.01			
	2.45— 3.15	Trace			
	3.15— 3.45	0.08			
	3.45— 4.45	0.03	SW, W	12.0—14.0	
	4.45— 5.15	Trace	W	14.0	
	5.15— 5.45	0.02			
	5.45— 6.45	0.05			
	6.45— 7.15	0.02			
10	7.15— 7.45	0.04			
	7.45— 8.15	0.10			
	8.15— 8.45	0.24			
	8.45— 9.15	0.19			
	9.15— 9.45	0.15			
	9.45—10.15	0.12	W	14.0	
	10.15—10.45	0.15			
	10.45—11.15	0.15			
	11.15—11.45	0.20			
	11.45—12.15	0.13			
20	12.15—12.45	0.17			
	12.45—13.15	0.18			
	13.15—13.45	0.12			
	13.45—14.15	0.05			
	14.15—15.00	0.16			
	15.00—15.30	0.11			
	15.30—16.00	0.12	W	14.0	
	16.00—16.30	0.13	W	14.0	
	16.30—21.30	Zero	No Record		
	21.30—22.00	0.03			
30	22.00—22.30	Zero			
	22.30—23.00	0.05			
	23.00—23.30	0.01			
	23.30—24.00	0.05	No Record		
	0.00— 0.30	0.03	No Record		
	0.30— 1.00	0.05			
	1.00— 1.30	0.03			
	1.30— 2.00	0.05			
	2.00— 2.30	0.03			
	2.30— 3.00	0.10			
40	3.00— 3.30	0.08			
	3.30— 4.00	0.06			
	4.00— 4.30	Zero			
	4.30— 5.00	0.03			
	5.00—18.30	Zero	W	5.0	
	18.30—19.30	0.03			
	19.30—20.00	0.03			
	20.00—20.30	Trace			
	20.30—21.00	0.18			
	21.00—21.30	0.06	S	4.0	
50	Dec. 18				
	0.00— 0.30	0.03			
	0.30— 1.00	0.05			
	1.00— 1.30	0.03			
	1.30— 2.00	0.05			
	2.00— 2.30	0.03			
	2.30— 3.00	0.10			
	3.00— 3.30	0.08			
	3.30— 4.00	0.06			
	4.00— 4.30	Zero			

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
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No. 153  
Sulphur  
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readings  
made by  
Dr. Katz  
19th May,  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		21.30—22.00	0.28		
		22.00—22.30	0.06		
		22.30—23.00	0.09		
		23.00—24.00	0.07	E	5.5
	Dec. 19	0.00— 0.30	0.07	E	6.0
		0.30— 1.00	0.04		
		1.00— 1.30	0.07		
		1.30— 2.00	0.07		
		2.00— 2.30	0.05	S	6.0
		2.30— 3.00	0.04		
		3.00— 3.30	0.05		
		3.30— 4.00	0.07		
		4.00— 4.30	0.13		
		4.30— 5.00	0.07		
20		5.00— 5.30	0.04		
		5.30— 6.00	Trace	E	7.8
		6.00— 6.30	Zero		
		6.30— 7.00	0.03		
		7.00— 7.30	Zero		
		7.30— 8.00	No Record		
		8.00— 8.30	0.02		
		8.30—11.00	Zero		
		11.00—11.30	Trace		
30		11.30—17.00	Zero	E	7.8
		17.00—17.30	0.01		
		17.30—21.00	Zero		
		21.00—21.30	0.01		
		21.30—22.00	Zero		
		22.00—22.30	0.01		
		22.30—23.00	Zero		
		23.00—23.30	Trace		
		23.30—24.00	Zero	E	7.8
	Dec. 20	0.00— 0.30	No Record	E	2.0
40		0.30— 2.30	Zero		
		2.30— 3.00	0.01		
		3.00— 4.30	Zero	W	3.5
		4.30— 5.00	0.05	W	3.5
		5.00— 5.30	0.01		
		5.30— 6.00	0.07		
		6.00— 6.30	0.02		
		6.30— 7.00	0.05		
		7.00— 7.30	0.05	S	6.7
		7.30— 8.00	0.07		
		8.00— 8.30	0.04		
50		8.30— 9.00	0.08		
		9.00— 9.30	0.15		
		9.30—10.00	0.12		
		10.00—10.30	0.05		
		10.30—11.00	Trace		
		11.00—11.30	0.03	S	6.7

## EXHIBIT No. 153 (Continued)

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>	
10		11.30—12.00	Trace				
		12.00—15.30	Zero				
		15.30—16.00	0.03				
		16.00—17.00	Trace				
		17.00—17.30	Zero				
		17.30—18.00	Trace				
		18.00—20.30	Zero				
		20.30—21.00	0.04				
		21.00—22.00	0.03				
		22.00—22.30	0.02				
		22.30—23.00	0.01				
		23.00—23.30	Trace				
		23.30—24.00	0.03		S	6.7	
20	Dec. 21	0.00— 0.30	No Record	S	4.3		
		0.30— 1.00	0.03				
		1.00— 1.30	0.10				
		1.30— 2.00	0.03				
		2.00— 2.30	Trace				
		2.30— 3.00	Zero				
		3.00— 3.30	Trace				
		3.30— 4.00	Zero		W	4.0	
		4.00— 4.30	0.03				
		4.30— 6.00	Zero		W, S	4.0—10.0	
		6.00— 6.30	0.03		S	10.0	
	30		6.30— 7.30	0.03			
			7.30— 8.00	Trace			
		8.00— 8.30	0.04				
		8.30—12.00	Zero		S, SW	10.0—16.0	
		12.00—13.00	0.03		W	15.4	
		13.00—13.30	0.04				
		13.30—14.30	0.05				
		14.30—16.00	0.07				
		16.00—20.00	Zero				
40			20.00—22.00	0.02			
			22.00—22.30	0.04			
			22.30—23.30	0.05			
			23.30—24.00	0.03		W	15.4
	Dec. 22	0.00— 0.30	0.04		W	11.8	
		0.30— 1.00	Trace				
50		1.00— 1.30	0.03				
		1.30— 2.00	Trace				
		2.00— 3.00	Trace				
		3.00— 3.30	0.05				
		3.30— 4.00	0.02				
		4.00— 4.30	0.01				
		4.30— 5.30	Zero		W	11.8	
		5.30— 6.00	0.04		W	11.8	
		6.00— 6.30	0.11				
		6.30— 7.30	0.01				
		7.30— 8.00	0.03				

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		8.00— 8.30	0.13		
		8.30— 9.00	0.09		
		9.00— 9.30	0.05		
		9.30—10.00	0.04		
		10.00—10.30	0.06		
		10.30—11.00	0.05		
		11.00—12.00	0.05	W	11.8
		12.00—12.30	0.03		
		12.30—13.00	0.11		
		13.00—13.30	0.18		
		13.30—14.00	0.19		
		14.00—14.30	0.20		
		14.30—15.30	0.19		
		15.30—16.00	0.11		
20		16.00—16.30	Trace		
		16.30—20.30	Zero		
		20.30—21.00	Trace		
		21.00—21.30	0.09		
		21.30—22.30	0.07		
		22.30—24.00	Trace	W	11.8
	Dec. 23	0.00— 0.30	0.01	W	14.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.05		
		1.30— 2.00	0.03		
30		2.00— 4.00	0.05		
		4.00— 5.00	0.03		
		5.00— 5.30	0.08		
		5.30— 6.00	0.11		
		6.00— 6.30	0.05		
		6.30— 7.00	0.11		
		7.00— 7.30	0.24		
		7.30— 8.00	0.08		
		8.00— 8.30	No Record		
		8.30— 9.00	0.09		
40		9.00—10.30	0.13		
		10.30—12.00	0.16		
		12.00—12.30	0.11		
		12.30—13.00	0.13		
		13.00—14.30	0.16		
		14.30—15.00	0.11		
		15.00—15.30	0.09		
		15.30—21.30	Zero	NW, N	14.0—9.0
		21.30—22.00	0.04	N	9.0
		22.00—22.30	0.01		
50		22.30—24.00	Zero		
	Dec. 24	0.00— 4.00	Zero	N	4.2
		4.00— 4.30	Trace		
		4.30— 5.00	Zero		
		5.00— 5.30	Trace		
		5.30— 6.00	Zero		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>
10	6.00— 6.30	0.05			
	6.30— 8.00	0.03			
	8.00— 8.30	0.01			
	8.30—10.30	Zero	SW, W	6.0—5.0	
	10.30—11.00	0.01	W	5.0	
	11.00—11.30	0.03	NW	5.5	
	11.30—12.00	Zero	NW	5.5	
	12.00—12.30	0.01			
	12.30—13.00	Zero			
	13.00—13.30	0.03			
	13.30—14.00	Zero			
	14.00—14.30	0.01			
	14.30—16.00	Zero	NW, N	5.5—2.5	
	16.00—17.30	No Record			
20	17.30—18.00	Zero			
	18.00—18.30	0.01			
	18.30—19.00	Zero			
	19.00—19.30	0.3			
	19.30—20.00	Zero			
	20.00—20.30	0.03	W	6.0	
	20.30—24.00	Zero			
	Dec. 25 0.00—19.00	Zero	W, NW, N	12.0—19.0	
	19.00—19.30	0.03	N	15.5	
	19.30—20.00	Zero			
30	20.00—20.30	0.03			
	20.30—21.00	Zero			
	21.00—21.30	0.03			
	21.30—22.00	Trace			
	22.00—22.30	0.03			
	22.30—23.00	Zero			
	23.00—23.30	0.03			
	23.30—24.00	Zero	N	15.5	
	Dec. 26 0.00— 0.30	0.03	N	7.3	
	0.30— 1.00	Zero			
40	1.00— 1.30	Trace			
	1.30— 2.00	Zero			
	2.00— 2.30	0.03			
	2.30— 3.00	Trace			
	3.00— 3.30	0.03			
	3.30— 4.00	Zero			
	4.00— 4.30	0.03			
	4.30— 5.00	Trace			
	5.00— 5.30	0.03			
	5.30— 6.00	Zero			
50	6.00— 6.30	0.01	NE	4.0	
	6.30— 7.00	Zero			
	7.00— 7.30	0.02			
	7.30— 8.00	Zero			
	8.00— 8.30	Trace			
	8.30—24.00	Zero	SW, S, W	5.0—10.5	

## EXHIBIT No. 153 (Continued)

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Dec. 27	0.00— 5.00	Zero	W	11.0
		5.00— 5.30	Trace		
		5.30— 6.00	0.04		
		6.00— 6.30	0.03		
		6.30— 7.00	Trace		
		7.00— 8.00	0.03	SW	18.8
		8.00—11.30	0.04		
		11.30—12.00	Zero		
		12.00—12.30	0.05		
		12.30—13.00	0.03		
		13.00—13.30	0.05		
		13.30—14.00	0.04		
		14.00—14.30	No Record		
		14.30—15.00	0.05		
20		15.00—15.30	0.04	SW	18.8
		15.30—16.00	0.04	SW	18.8
		16.00—20.30	Zero	SW, W	18.8—7.0
		20.30—21.00	0.01	W	7.0
		21.00—21.30	0.05		
		21.30—22.30	Zero		
		22.30—23.00	0.02		
		23.00—23.30	0.05		
		23.30—24.00	0.01	W	7.0
30	Dec. 28	0.30— 1.00	0.05		
		0.30— 1.00	0.05		
		1.00— 1.30	0.08		
		1.30— 2.00	0.04		
		2.00— 2.30	0.07		
		2.30— 3.00	0.08		
		3.00— 3.30	0.04		
		3.30— 4.00	0.01		
		4.00— 4.30	0.03		
		4.30— 5.00	0.05		
		5.00— 5.30	0.07		
40		5.30— 6.00	0.08		
		6.00— 6.30	0.02		
		6.30— 7.00	Trace		
		7.00— 7.30	Zero		
		7.30— 8.00	Trace		
		8.00— 8.30	0.03		
		8.30— 9.00	0.05		
		9.00— 9.30	Zero		
		9.30—10.00	Trace		
		10.00—10.30	Zero		
50		10.30—11.00	Trace		
		11.00—13.30	Zero	W, SW	7.5—8.0
		13.30—14.00	0.01	S	7.5
		14.00—14.30	Zero		
		14.30—15.00	Trace		

## EXHIBIT No. 153 (Continued)

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 153 Sulphur dioxide and wind readings made by Dr. Katz 19th May, 1948 to 31st Dec., 1948 Continued</i>			
10	15.00—15.30	0.01	SE	4.0				
	15.30—16.00	0.08						
	16.00—16.30	0.04						
	16.30—17.00	0.11						
	17.00—17.30	0.11						
	17.30—18.00	0.14						
	18.00—18.30	0.27						
	18.30—19.00	0.11						
	19.00—19.30	0.14						
	19.30—20.00	0.08						
20	20.00—20.30	0.03	S	6.3				
	20.30—21.30	0.01						
	21.30—22.00	0.03						
	22.00—22.30	Zero						
	22.30—23.00	0.01						
	23.00—23.30	Zero						
	23.30—24.00	0.01						
	Dec. 29 0.00— 6.30	Zero				S	11.5	
	6.30— 7.00	Trace				S, SW SW	11.5—12.0 12.0	
	7.00—14.00	Zero						
14.00—14.30	Trace							
14.30—15.00	0.06							
15.00—15.30	Trace	W	7.0					
15.30—18.30	Zero							
30	18.30—19.00	0.04	N	8.0				
	19.00—20.00	0.01						
Dec. 30	20.00—24.00	Zero	N, NE	8.0—10.0				
	0.00— 7.30	Zero	NE	14.0				
	7.30— 8.30	0.01						
	8.30— 9.00	0.03						
	9.00— 9.30	Zero						
	9.30—10.00	0.01						
	10.00—10.30	Zero						
	10.30—11.00	0.03						
	40	11.00—11.30	Zero	NE	14.0			
		11.30—12.00	0.04					
12.00—12.30		0.03						
12.30—13.00		0.03						
13.00—13.30		Trace						
13.30—14.00		0.03						
14.00—15.00		0.02						
15.00—15.30		Zero						
15.30—16.00		0.06						
16.00—16.30		0.02						
50	16.30—17.00	0.06	N	13.0				
	17.00—17.30	Zero						
	17.30—18.00	0.04						
	18.00—18.30	0.04						
	18.30—19.00	0.03						
	19.00—19.30	0.01						

## EXHIBIT No. 153 (Continued)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 153  
Sulphur  
dioxide  
and wind  
readings  
made by  
Dr. Katz  
19th May,  
1948 to 31st  
Dec., 1948  
Continued*

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	19.30—20.00	0.04		
	20.00—20.30	Zero		
	20.30—21.00	0.02		
	21.00—21.30	0.02		
	21.30—22.00	0.04		
	22.00—22.30	0.03		
	22.30—23.00	0.02		
	23.00—23.30	Trace		
	23.30—24.00	0.01	N	13.0
Dec. 31	0.00— 0.30	Zero	N	10.8
	0.30— 1.00	Trace		
	1.00—24.00	Zero	N, NW	10.8—19.5

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EXHIBIT No. 154  
Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
May 1	24.00							
2	24.00							
3	24.00							
4	24.00							
5	24.00							
6	24.00							
7	24.00							
8	24.00							
9	24.00							
10	24.00							
11	24.00							
12	24.00							
13	24.00							
14	24.00							
15	24.00							
16	24.00							
17	24.00							
18	24.00							
19	12.00	12.00						Zero
20		18.00	6.00					0.02
21		19.00	2.30	2.30				0.07
22		24.00						Zero
23		16.30	7.30					0.02
24		24.00						Zero
25		19.30	3.30	1.00				0.06
26		16.00	7.30	0.30				0.06
27		12.30	10.30	1.00				0.05
28		12.00	9.30	2.00		0.30		0.24
29		24.00						Zero
30		22.30	1.30					0.02
31		20.30	3.00	0.30				0.05
<b>Total</b>	<b>444.00</b>	<b>240.30</b>	<b>51.30</b>	<b>7.30</b>	<b>0.00</b>	<b>0.30</b>	<b>0.00</b>	<b>Max. 0.24</b>

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In the Supreme Court of Ontario Defendant's Exhibit No. 154 Daily summary from Exhibit 153

EXHIBIT No. 154 (Continued)  
 Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
June 1		14.30	9.30					0.03
2		24.00						Zero
3		10.30	12.00	1.30				0.05
4		16.30	7.30					0.03
5		24.00						Zero
6		14.30	9.00	0.30				0.07
7		13.00	10.00	1.00				0.06
8		15.30	8.00	0.30				0.05
9		22.00	2.00					0.02
10		19.00	5.00					0.03
11		13.30	6.30	4.00				0.07
12		21.00	3.00					Trace
13		24.00						Zero
14		16.00	6.30	1.30				0.09
15		23.00	1.00					Trace
16		22.00	2.00					Trace
17		20.00	3.30	0.30				0.06
18		21.00	3.00					0.04
19		24.00						Zero
20		23.30	0.30					Trace
21		20.30	3.00	0.30				0.06
22		11.00	10.30	1.00	1.00		0.30	0.31
23		14.30	9.00	0.30				0.05
24		7.30	10.00	5.30	1.00			0.14
25		17.00	5.30	1.30				0.08
26		16.30	7.30					0.03
27		20.00	3.30	0.30				0.05
28		12.30	9.00	2.30				0.10
29		12.30	6.00	5.30				0.10
30		12.00	8.00	4.00				0.09
Total	0.00	525.30	161.00	31.00	2.00	0.00	0.30	Max. 0.31

EXHIBIT No. 154 (Continued)  
Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
July 1		23.30	0.30					Trace
2	0.15	13.45	7.00	3.00				0.08
3		13.00	10.30	0.30				0.05
4		12.00	11.30	0.30				0.06
5		7.30	15.30	1.00				0.07
6		14.00	7.00	3.00				0.10
7		24.00						Zero
8		18.00	5.00	1.00				0.06
9		14.00	8.30	1.00		0.30		0.17
10		16.00	8.00					0.03
11		19.00	5.00					Trace
12		13.30	9.30	1.00				0.06
13		19.30	4.30					0.03
14	12.10	11.50						Zero
15	24.00							
16	24.00							
17	24.00							
18	24.00							
19	24.00							
20	15.30	6.00	2.30					Trace
21		18.00	6.00					0.02
22	4.45	11.45	5.30	2.00				0.08
23		24.00						Zero
24		24.00						Zero
25		24.00						Zero
26		24.00						Zero
27		24.00						Zero
28		22.00	2.00					Trace
29		24.00						Zero
30		19.00	5.00					0.04
31		24.00						Zero
Total	152.40	464.20	113.30	13.00	0.00	0.30	0.00	Max. 0.17

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In the Supreme Court of Ontario Defendant's Exhibit No. 154 Daily summary from Exhibit 153 Continued

EXHIBIT No. 154 (Continued)  
 Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
Aug. 1		24.00						Zero
2		22.30	1.30					Trace
3		18.30	5.30					0.03
4		18.30	5.30					0.02
5		21.30	2.30					0.03
6	0.30	17.30	5.00	1.00				0.06
7		18.30	5.30					0.04
8		21.30	2.30					0.02
9	4.00	13.00	7.00					0.03
10		17.00	6.30		0.30			0.14
11		17.30	4.30	1.00	1.00			0.11
12		24.00						Zero
13		23.30	0.30					Trace
14		24.00						Zero
15		21.00	3.00					Trace
16		10.30	11.00	2.00	0.30			0.12
17	1.00	11.30	11.30					0.04
18		18.00	6.00					0.02
19	0.45	16.15	7.00					0.03
20	0.30	13.30	10.00					0.03
21	1.00	12.00	9.00	2.00				0.06
22		9.00	15.00		0.30			0.04
23	1.00	5.00	15.30	2.00				0.12
24	0.30	12.00	11.30					0.04
25		24.00						Zero
25		20.30	3.30					0.03
27	0.30	11.30	11.30	0.30				0.05
28		11.30	11.30	1.00				0.06
29		22.30	1.30					0.02
30		22.30	1.30					Trace
31		23.00	1.00					0.02
Total	9.45	545.45	176.30	9.30	2.30	0.00	0.00	Max. 0.14

EXHIBIT No. 154 (Continued)  
Recorder Station Near McKinac Industries, St. Catharines, Ontario

Date 1948	Time not operated hrs.	Zero readings hrs.	Time to 0.05 p.p.m. hrs.	0.05 to 0.10 p.p.m. hrs.	0.11 to 0.15 p.p.m. hrs.	0.16 to 0.25 p.p.m. hrs.	Above 0.25 p.p.m. hrs.	Maximum readings p.p.m.
Sept. 1	0.30	14.00	6.30	2.00	1.00			0.14
2		4.00	12.30	5.00	2.30			0.12
3	1.00	2.30	15.30	5.00				0.09
4		9.00	14.30	0.30				0.05
5	1.00	4.30	15.00	3.30				0.10
6		22.00	2.00					Trace
7		13.30	10.00	0.30				0.05
8		18.00	6.00					0.03
9	4.00	19.30	0.30					Trace
10		21.30	3.30					0.03
11		24.00						Zero
12		24.00						Zero
13		24.00						Zero
14		22.00	2.00					0.03
15		23.00	1.00					Trace
16		18.30	4.00	1.00				0.09
17		11.00	10.30	2.30				0.07
18		21.30	2.30					0.02
19		24.00						Zero
20		24.00						Zero
21		22.00	2.00					0.02
22		20.00	3.30	0.30				0.06
23	8.00	16.00						Zero
24	16.30	4.30	2.30	0.30				0.06
25		15.30	8.30					0.04
26		14.30	9.30					0.03
27		15.30	8.00	0.30				0.05
28		8.30	15.30					0.04
29		8.30	13.00	2.30				0.10
30	0.30	15.30	8.00					0.04
<b>Total</b>	<b>31.30</b>	<b>485.00</b>	<b>175.30</b>	<b>24.30</b>	<b>3.30</b>	<b>0.00</b>	<b>0.00</b>	<b>Max. 0.14</b>

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*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 154  
Daily  
summary  
from  
Exhibit 153  
Continued*

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 154  
 Daily  
 summary  
 from  
 Exhibit 153  
 Continued

EXHIBIT No. 154 (Continued)  
 Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
Oct. 1		21.30	2.30					0.02
2		17.00	6.30	0.30				0.05
3		22.00	2.00					0.02
4	0.30	11.30	8.00	3.00	0.30	0.30		0.16
5		5.30	8.30	7.00	1.30	1.30	0.2	0.25
6	0.30	10.00	11.30	2.00				0.06
7	0.30	4.00	10.30	5.00	3.30	0.30		0.17
8		14.30	6.30	2.30		0.30		0.16
9		24.00						Zero
10		24.00						Zero
11		17.30	5.00	1.30				0.05
12		24.00						Zero
13		24.00						Zero
14		16.30	6.30	1.00				0.06
15	0.30	10.00	10.30	2.00	0.30	0.30		0.16
16		15.30	7.30	1.00				0.06
17		21.00	3.00					Trace
18		23.00	1.00					Trace
19	0.15	13.00	9.45	1.00				0.07
20	1.00	9.30	13.00	0.30				0.05
21	0.30	4.30	11.30	7.00	0.30			0.11
22	1.00	3.00	8.00	9.00	1.30	1.30		0.19
23		1.30	19.00	3.30				0.05
24	1.00	3.00	16.00	3.30	0.30			0.06
25	0.30	13.00	10.30					0.04
26	0.30	18.00	5.30					0.02
27		17.30	6.30					0.04
28	0.30	13.30	9.30	0.30				0.06
29		13.00	10.00	1.00				0.06
30		8.30	12.30	3.30				0.07
31			11.00	7.30	3.00	2.30		0.23
	7.15	420.30	230.45	62.30	11.30	7.30	0.00	Max. 0.25

1699

EXHIBIT No. 154 (Continued)  
Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings Hrs.	Trace to 0.04 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
Nov. 1	1.30		19.00	3.30				0.07
2		1.00	18.00	5.00				0.10
3		2.30	10.00	9.00	2.00		0.30	0.31
4			15.00	9.00				0.10
5	2.30	5.30	10.30	5.30				0.10
6		24.00						Zero
7		24.00						Zero
8		12.30	9.00	1.30	1.00			0.15
9	0.30	5.30	14.30	3.00	0.30			0.11
10		9.00	4.30	10.30				0.09
11		13.30	5.00	5.00		0.30		0.22
12		7.30	12.00	3.00	0.30	1.00		0.21
13		22.30	1.30					Trace
14	5.00	14.30	2.00	2.30				0.09
15		14.30	0.30	3.30	0.30	3.30	1.30	0.31
16	0.30	4.30	11.00	7.30	0.30			0.11
17		9.30	6.30	3.30	4.30			0.15
18	0.30	0.30	19.00	4.00				0.07
19	0.30	7.30	6.00	6.00	2.30	1.30		0.22
20		12.00	4.30	6.30	1.00			0.14
21		24.00						Zero
22		2.30	8.30	6.30	3.30	3.00		0.22
23	0.30	11.00	2.00	3.00	2.00	4.00	1.30	0.32
24		10.30	11.30	1.30	0.30			0.11
25	0.30	0.30	13.30	8.30	1.00			0.13
26	1.00	4.30	10.00	6.30	1.00	0.30	0.30	0.26
27		10.00	2.30		2.30	7.30	1.30	0.34
28		24.00						Zero
29		14.00	10.00					0.04
30		10.00	11.00	2.00	0.30	0.30		0.16
	<u>13.00</u>	<u>301.30</u>	<u>237.30</u>	<u>116.30</u>	<u>24.00</u>	<u>22.00</u>	<u>5.30</u>	<u>Max. 0.34</u>

1700

In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 154  
 Daily  
 summary  
 from  
 Exhibit 153  
 Continued

EXHIBIT No. 154 (Continued)  
 Recorder Station Near McKinnon Industries, St. Catharines, Ontario

Date 1948	Time not operated Hrs.	Zero readings hrs.	Trace to 0.05 p.p.m. Hrs.	0.05 to 0.10 p.p.m. Hrs.	0.11 to 0.15 p.p.m. Hrs.	0.16 to 0.25 p.p.m. Hrs.	Above 0.25 p.p.m. Hrs.	Maximum readings p.p.m.
Dec. 1		12.00	2.00	2.00	3.00	4.30	0.30	0.27
2	0.30	4.00	13.00	2.30	1.30	1.30	1.00	0.30
3	0.30	6.30	13.30	3.00	0.30			0.14
4	0.30	8.30	13.00	2.00				0.09
5		7.15	16.45					0.04
6		15.00	5.00	4.00				0.09
7		14.00	7.30	2.30				0.08
8	0.30	10.30	4.00	5.00	2.30	1.30		0.17
9	0.30	11.00	5.00	4.30	2.30	0.30		0.21
10		16.00	2.30	3.00	1.30	1.00		0.18
11	0.30	16.30	6.00	0.30	0.30			0.11
12	0.30	21.00	2.30					0.03
13		24.00						Zero
14	2.00	17.30	4.30					Trace
15		9.30	14.30					0.02
16		9.30	5.30	5.00	1.30	2.30		0.21
17		6.45	5.30	4.00	4.30	3.15		0.24
18		14.00	4.00	5.00	0.30	0.30		0.28
19	0.30	14.30	5.30	3.30	0.30			0.13
20	0.30	10.00	9.00	3.30	1.00			0.15
21	0.30	10.00	9.30	4.00				0.10
22		5.00	9.30	5.00	2.00	2.30		0.20
23	0.30	8.00	3.00	5.00	4.00	3.30		0.24
24	1.30	15.00	7.00	0.30				0.05
25		21.00	3.00					0.03
26		18.30	5.30					0.03
27	0.30	11.00	9.30	3.00				0.10
28		5.30	10.00	5.30	2.30		0.30	0.27
29		20.30	3.00	0.30				0.06
30		10.30	12.30	1.00				0.06
31		23.30	0.30					Trace
	9.30	396.30	212.15	74.30	28.00	21.15	2.00	Max. 0.30



EXHIBIT No. 155

Total Hours of Sulphur Dioxide Readings per Month, May-December, 1948

N.R.C. Recorder Station Near McKinnon Industries, St. Catharines, Ontario

	May Hrs.Min.	June Hrs.Min.	July Hrs.Min.	Aug. Hrs.Min.	Sept. Hrs.Min.	Oct. Hrs.Min.	Nov. Hrs.Min.	Dec. Hrs.Min.
Time Recorder Not Operated	444.00	0.00	152.40	9.45	31.30	7.15	13.00	9.30
Hours of Zero Readings	240.30	525.30	464.20	545.45	485.00	423.30	301.30	396.30
Hours of Trace—0.04 P.P.M.	51.30	161.00	113.30	176.30	175.30	231.45	237.30	212.15
Hours of 0.05—0.10 P.P.M.	7.30	31.00	13.00	9.30	24.30	62.30	116.30	74.30
Hours of 0.11—0.15 P.P.M.	0.00	2.00	0.00	2.30	3.30	11.30	24.00	28.00
Hours of 0.16—0.25 P.P.M.	0.30	0.00	0.30	0.00	0.00	7.30	22.00	21.15
Hours of Readings above 0.25 P.P.M.	0.00	0.30	0.00	0.00	0.00	0.00	5.30	2.00
Total Duration of Sulphur Dioxide From Traces to Maximum Readings	59.30	194.30	127.00	188.30	203.30	313.15	405.30	338.00
Maximum Concentration of Sulphur Dioxide in P.P.M.	0.24	0.31	0.17	0.14	0.14	0.25	0.34	0.30

1702

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 155  
Monthly  
summary  
from  
Exhibit 155

## EXHIBIT NO. 156

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Recorder Station near McKinnon Industries, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948

10

20

30

40

50

Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
May 17, 16.00				W	26	6.5
May 18, 7.30	15.50	0.015	0.124	NW	74	7.5
May 18, 8.00						
May 19, 8.30	24.50	0.021	0.053	N, NW	100	8.0
May 19, 9.00						
May 20, 7.30	22.50	0.117	0.110	N, NW	100	7.2
May 20, 7.45						
May 20, 11.30	3.75	0.298	0.249	N, NW	100	4.0
May 20, 11.45				N	17	4.0
May 20, 16.15	4.50	0.412	0.185	SW	83	10.5
May 20, 16.30				W, SW	67	7.2
May 21, 7.30	15.0	0.244	0.092	NW	33	9.0
May 21, 7.45				NW	67	11.3
May 21, 11.30	3.75	0.458	0.316	SW	33	9.0
May 21, 11.45						
May 21, 16.15	4.50	0.088	0.438	NW	100	11.3
May 21, 16.30				N, NW	67	6.2
May 25, 7.30	87.0	0.130	0.036	NE	7	6.5
				S, SW	26	6.0
May 25, 7.45				SW	20	1.5
May 25, 11.30	3.75	0.181	0.181	N	80	5.3
May 25, 11.45						
May 25, 16.15	4.50	0.210	0.160	N, NW	95	7.1
				SW	5	7.0
May 25, 16.30						
May 26, 7.30	15.0	0.234	0.091	SW	100	4.7
May 26, 7.45				SW	47	2.5
May 26, 11.30	3.75	0.320	0.384	N	53	5.0
May 26, 11.45						
May 26, 16.15	4.50	0.233	0.194	N	100	5.0
May 26, 16.30				N	23	5.0
May 27, 7.30	15.0	0.272	0.068	E	67	1.7
				W	10	2.0
May 27, 7.45				W	47	2.0
May 27, 11.30	3.75	0.377	0.171	N	53	5.5
May 27, 11.45						
May 27, 16.15	4.50	0.306	0.198	N	100	5.5
May 27, 16.30				N, NW	67	3.7
May 28, 7.30	15.0	0.185	0.121	SE	33	2.5
May 28, 7.45				SE	20	2.5
May 28, 11.30	3.75	0.526	0.312	SW	80	7.0
May 28, 11.45						

## EXHIBIT NO. 156 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Recorder Station near McKinnon Industries, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948  
Continued*

	Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	May 28, 16.15	4.50	0.426	0.170	SW	100	7.0
	May 28, 16.30				W, SW	18	5.0
	May 31, 7.30	63.0	0.113	0.034	N, NW	82	4.5
	May 31, 7.45						
	May 31, 11.30	3.75	0.158	0.209	N, NW	100	3.7
	May 31, 11.45						
	May 31, 16.15	4.50	0.328	0.239	N, NW	100	5.0
	June 1, 7.45						
	June 1, 11.30	3.75	0.938	0.280	SW	100	4.5
20	June 1, 11.45						
	June 1, 16.15	4.50	0.497	0.199	NW	100	8.0
	June 1, 16.30				N, NW	33	5.2
	June 2, 7.30	15.0	0.264	0.091	W	67	2.0
	June 2, 7.45				W	6	1.0
	June 2, 11.30	3.75	0.352	0.223	N	94	6.0
	June 2, 11.45				N	61	6.0
	June 2, 16.15	4.50	0.279	0.279	NE	39	7.0
	June 2, 16.30				NE	4	7.0
	June 3, 7.30	15.0	0.341	0.108	N	96	2.3
30	June 3, 7.45						
	June 3, 11.30	3.75	0.638	0.311	N	100	3.0
	June 3, 11.45				N	50	3.0
	June 3, 16.15	4.50	0.314	0.201	NE	50	6.0
	June 3, 16.30				E, NE	40	5.5
	June 4, 7.30	15.0	0.206	0.106	S	60	3.7
	June 4, 7.45				S	8	4.5
	June 4, 16.15	8.50	0.675	Trace	SW	92	10.5
	June 4, 16.30				W, SW	16	6.6
40	June 7, 7.30	63.0	0.155	0.003	SE	12	2.0
					N, NW	39	6.0
					E, NE	33	5.2
	June 7, 7.45				SE	47	2.0
	June 7, 11.30	3.75	0.423	0.127	NE	53	4.8
	June 7, 11.45						
	June 7, 16.15	4.50	0.106	0.100	NE	100	4.8
	June 7, 16.30				NE	57	2.9
	June 8, 7.30	15.0	0.325	0.293	S	33	2.5
					SW	10	9.5
50	June 8, 7.45						
	June 8, 11.30	3.75	0.231	0.962	SW	100	9.5
	June 8, 11.45						
	June 8, 16.15	4.50	Trace	0.873	SW	100	9.5
	June 8, 16.30				SW	10	19.5

## EXHIBIT NO. 156 (Continued)

Recorder Station near McKinnon Industries, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948  
Continued

	Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	June 9, 7.30	15.0	0.240	0.597	E, NE N	40 50	5.7 4.6
	June 9, 7.45						
	June 9, 16.15	8.50	Trace	0.645	N, NW	100	4.4
	June 9, 16.30				NW	33	3.0
	June 10, 7.30	15.0	0.188	0.273	E SW	34 33	3.0 9.0
	June 10, 7.45				W, SW	47	7.0
	June 10, 16.15	8.50	0.620	0.670	NW	53	4.50
	June 10, 16.30				NW	7	6.0
	June 11, 7.30	15.0	0.094	0.327	SW	93	6.5
	June 11, 7.45						
20	June 11, 16.15	8.50	0.404	0.667	W, SW	100	8.5
	June 11, 16.30				W, SW	65	6.2
	June 14, 7.30	63.0	0.191	0.167	N, NW	35	4.5
	June 14, 7.45						
	June 14, 16.15	8.50	0.533	0.603	W, SW	100	7.0
	June 14, 16.30				W, SW	87	7.6
	June 15, 7.30	15.0	0.241	0.426	N	13	6.0
	June 15, 7.45						
	June 15, 11.30	3.75	0.671	0.028	NW	100	8.0
	June 15, 11.45						
30	June 15, 16.15	4.50	0.330	0.278	N, NW	100	6.2
	June 15, 16.30						
	June 16, 7.30	15.0	0.471	0.377	N	100	3.2
	June 16, 7.45						
	June 16, 11.30	3.75	0.259	1.260	N, NW	100	5.5
	June 16, 11.45						
	June 16, 16.15	4.50	—	1.060	N	100	5.0
	June 16, 16.30				N	17	5.0
	June 17, 7.30	15.0	0.597	0.378	SW	83	4.2
	June 17, 7.45						
40	June 17, 11.30	3.75	0.175	1.525	W, SW	100	6.2
	June 17, 11.45				W	17	8.0
	June 17, 16.15	4.50	0.217	0.977	NW	83	7.5
	June 17, 16.30						
	June 18, 7.30	15.0	0.263	0.404	NW	100	5.4
	June 18, 7.45						
	June 18, 11.30	3.75	0.650	1.780	NW	100	3.3
	June 18, 11.45						
	June 18, 16.15	4.50	0.602	1.305	NW	100	3.3
	June 18, 16.30				N, NW	36	3.2
50	June 21, 7.30	63.0	0.222	0.192	E, NE SW	42 22	5.5 6.0

## EXHIBIT NO. 156 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Recorder Station near McKinnon Industries, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948  
Continued*

	Date 1948	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind			Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	June 21, 7.45						
	June 21, 16.00	8.25	0.361	0.715	W, SW	100	4.2
	June 21, 16.30				W	30	4.0
	June 22, 7.30	15.0	0.424	0.542	SE	20	3.3
					E	50	4.9
	June 22, 8.00				SE	38	8.0
	June 22, 16.00	8.0	0.655	0.720	E	62	5.5
	June 22, 16.30				E	40	5.5
	June 23, 7.30	15.0	0.342	0.552	NW	13	3.0
20					SW	47	5.0
	June 23, 8.00				S	31	10.0
	June 23, 16.00	8.0	0.690	0.915	SW	69	13.0
	June 23, 16.30						
	June 24, 7.30	15.0	0.313	0.483	SW	100	13.5
	June 24, 8.00				W, SW	94	13.0
	June 24, 16.00	8.0	0.862	0.766	NW	6	6.0
	June 24, 16.30						
	June 25, 7.30	15.0	0.284	0.110	W, SW	100	6.4
	June 25, 8.00				NW	81	7.2
30	June 25, 16.00	8.0	0.246	0.361	W	19	8.0
	June 25, 16.30				W, SW	19	7.4
	June 28, 7.30	63.0	0.188	0.095	S	34	4.0
					N, NW	10	5.7
					NE	33	2.7
					Calm	4	—
	June 28, 16.30				SW	67	13.2
	June 29, 7.30	15.0	0.145	0.125	S	33	5.6
	June 29, 8.00						
	June 29, 16.00	8.0	0.902	0.227	SW	100	15.7
40	June 29, 16.30				SW, W	94	12.5
	June 30, 7.30	15.0	0.248	0.080	NW	6	10.0
	June 30, 8.00						
	June 30, 16.00	8.0	0.520	0.190	W	100	12.0
	June 30, 16.30				W	64	7.0
	July 2, 7.30	39.0	0.199	0.076	N, NW	36	7.5
	July 2, 8.00						
	July 2, 16.00	8.0	0.323	0.081	W	100	6.8
	July 2, 16.30				W, SW	36	5.0
50	July 5, 7.30	63.0	0.075	0.153	N, NW	32	3.0
					S	17	5.0
					E, NE	15	7.0
	July 5, 8.00						
	July 5, 16.00	8.0	0.576	0.279	W, SW	100	9.0

## EXHIBIT NO. 156 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Recorder Station near McKinnon Industries, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948

10

Date 1948	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind		% of Total Test	Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction		
July 5, 16.30						
July 6, 7.30	15.0	—	0.188	W, SW	100	11.0
July 6, 8.00				W	6	8.0
July 6, 16.00	8.0	0.149	0.226	NW	94	12.5
July 6, 16.30				NW	27	12.5
July 7, 7.30	15.0	0.216	0.215	NE	73	11.0
July 7, 8.00						
July 7, 16.00	8.0	0.053	0.255	NE	100	12.0
July 7, 16.30				NE	3	12.0
20 July 8, 7.30	15.0	0.455	0.355	N	97	3.0
July 8, 8.00						
July 8, 16.00	8.0	0.425	0.454	N	100	3.6
July 8, 16.30				N	53	3.8
July 9, 7.30	15.0	0.434	0.434	S, SE	47	3.0
July 9, 8.00						
July 9, 16.00	8.0	0.187	0.143	W, SW	100	5.2
July 9, 16.30				W, SW	76	5.6
July 12, 7.30	63.0	0.180	0.064	S	21	4.8
July 12, 8.00				S	19	5.0
30 July 12, 16.00	8.0	0.450	0.191	W, SW	81	7.0
July 12, 16.30						
July 13, 7.30	15.0	0.188	0.135	SW	100	5.0
Nov. 15, 7.30						
Nov. 15, 14.30	7.0	0.259		W	100	8.3
Nov. 15, 15.00				W	85	5.7
Nov. 16, 8.00	17.0	0.355	0.497	S	15	7.4
Nov. 16, 8.15						
Nov. 16, 14.15	6.0	0.044	0.925	S	100	7.4
40 Nov. 16, 14.30				S, SE	56	9.0
Nov. 17, 7.30	17.0	0.404	0.550	SW	44	19.3
Nov. 17, 8.00						
Nov. 17, 14.00	6.0	0.595	0.528	SW	100	19.3
Nov. 17, 15.00				W, SW	98	12.6
Nov. 18, 7.30	16.5	0.163	0.194	S	2	4.5
Nov. 18, 8.00						
Nov. 18, 14.00	6.0	0.174	0.835	S	100	4.5
Nov. 18, 15.00						
50 Nov. 19, 7.30	16.5	0.163	0.073	E	100	5.8
Nov. 19, 8.00						
Nov. 19, 14.00	6.0	0.406	0.326	E	100	6.0
Nov. 19, 15.00				E, NE	67	9.9
Nov. 20, 7.30	16.5	0.310	0.206	W	33	10.0

EXHIBIT NO. 156 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N.R.C. Recorder Station near McKinnon Industries, St. Catharines

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 156  
 Table of  
 dust and  
 wind con-  
 centrations  
 17th May,  
 1948 to 1st  
 Dec., 1948  
 Continued*

	Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	Nov. 20, 8.00						
	Nov. 20, 14.00	6.0	0.872	0.572	W, SW	100	12.0
	Nov. 20, 15.00				W, SW	88	8.0
	Nov. 22, 7.30	40.5	0.083		S, SE	10	3.7
					E	2	4.0
	Nov. 22, 8.00				E	42	4.0
	Nov. 22, 14.00	6.0	0.387	0.114	S	58	7.0
	Nov. 22, 15.00				S	15	7.0
	Nov. 23, 7.30	16.5	0.127	0.077	W	85	10.5
	Nov. 23, 8.00						
20	Nov. 23, 14.00	6.0	0.152	0.066	W	25	11.0
					NW	75	8.5
	Nov. 23, 15.00				W	82	4.2
	Nov. 24, 7.30	16.5	0.402	0.070	S	18	3.0
	Nov. 24, 8.00						
	Nov. 24, 14.00	6.0	0.425	0.018	S	100	3.0
	Nov. 24, 15.00				S	82	2.5
	Nov. 25, 7.30	16.5	0.196	0.084	W	18	3.0
	Nov. 25, 8.00				W, SW	50	7.5
	Nov. 25, 14.00	6.0	0.475	0.017	S	50	5.0
30	Nov. 25, 15.00				S	98	6.7
	Nov. 26, 7.30	16.5	0.164	0.252	SW	2	12.0
	Nov. 26, 8.00				W, SW	71	10.0
	Nov. 29, 7.30	71.50	0.186	0.067	S	2	7.5
					E, NE	27	7.6
	Nov. 29, 8.00						
	Nov. 30, 7.30	23.50	0.094	0.060	E, NE	23	8.3
					N	25	4.0
					W	43	3.3
					S	9	4.0
40	Nov. 30, 8.00				S	13	3.6
	Dec. 1, 7.30	23.50	0.278	0.139	W	87	8.0
	Dec. 1, 8.00				W, SW	98	6.6
	Dec. 2, 7.30	23.50	0.146	0.192	SE	2	5.3
	Dec. 2, 8.00				S, SE	47	5.0
	Dec. 3, 7.30	23.50	0.316	0.171	W, SW	53	6.0
	Dec. 3, 8.00				W	92	5.0
	Dec. 3, 14.00	6.0	0.460	0.128	N	8	2.5
	Dec. 3, 15.00				N	15	2.5
50	Dec. 4, 7.30	16.50	0.290	0.197	S	30	4.0
					W	55	2.8
	Dec. 4, 8.00				S	25	4.6
	Dec. 4, 14.00	6.0	0.130	0.130	W	75	4.3
	Dec. 4, 15.00				S, SE	82	9.0
	Dec. 6, 7.30	40.50	0.238	0.155	SW	18	22.0

## EXHIBIT NO. 156 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Recorder Station near McKinnon Industries, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 156  
Table of  
dust and  
wind con-  
centrations  
17th May,  
1948 to 1st  
Dec., 1948

Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind			
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.	
10	Dec. 6, 8.00						
	Dec. 6, 15.00	7.0	0.770	0.228	SW	100	22.0
	Dec. 6, 15.15						
	Dec. 7, 7.30	16.25	0.185	0.278	SW	100	18.0
	Dec. 7, 8.00						
	Dec. 7, 15.00	7.0	1.06	0.305	SW	100	13.8
	Dec. 7, 15.15						
	Dec. 8, 7.30	16.25	0.230	0.246	W, SW	100	8.0
20	Dec. 8, 8.00						
	Dec. 8, 15.00	7.0	0.290	0.232	W, SW	100	12.8
	Dec. 8, 15.15						
	Dec. 9, 7.30	16.25	0.165	0.172	W	100	10.6
	Dec. 9, 8.00						
	Dec. 9, 15.00	7.0	0.748	0.227	W	100	7.6
	Dec. 9, 15.15						
	Dec. 10, 7.30	16.25	0.199	0.198	W	100	8.6
	Dec. 10, 8.00				W	93	9.7
	Dec. 10, 15.00	7.0	0.648	0.220	NW	7	12.0
30	Dec. 10, 15.15				NW	2	12.0
	Dec. 13, 7.30	64.25	0.169	0.069	E	3	4.5
					S	35	6.8
					W, SW	60	8.0
	Dec. 13, 8.00						
	Dec. 13, 15.00	7.0	0.772	0.182	W	100	7.8
	Dec. 13, 15.15						
	Dec. 14, 7.30	16.25	0.186	0.278	N	100	5.5
	Dec. 14, 8.00				N	57	7.7
	Dec. 14, 15.00	7.0	0.119	0.182	E, NE	43	6.0
40	Dec. 14, 15.15						
	Dec. 15, 7.30	16.25	0.084	0.181	E	100	9.0
	Dec. 15, 8.00						
	Dec. 15, 15.00	7.0	0.183	0.143	E	100	12.3
	Dec. 15, 15.15						
	Dec. 16, 7.30	16.25		0.191	E	100	8.0
	Dec. 16, 8.00				E	50	3.7
	Dec. 16, 15.00	7.0		0.582	W	50	9.0
	Dec. 16, 15.15						
	Dec. 17, 7.30	16.25	0.118	0.064	W, SW	100	11.4
50	Dec. 17, 8.00						
	Dec. 17, 15.00	7.0	0.873	0.160	W	100	14.0
	Dec. 17, 15.15				No Record	24	
	Dec. 20, 7.30	64.25	0.131	0.049	S	9	5.5
					W	28	7.0
					E	38	5.3



EXHIBIT NO. 156 (Continued)  
 Concentration of Dust and Organic Matter in Atmosphere  
 N.R.C. Recorder Station near McKinnon Industries, St. Catharines

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 156  
 Table of  
 dust and  
 wind con-  
 centrations  
 17th May,  
 1948 to 1st  
 Dec., 1948  
 Continued*

	Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	Dec. 20, 8.00						
	Dec. 20, 15.00	7.0	0.362	0.104	S	100	6.7
	Dec. 20, 15.15				S	91	7.0
	Dec. 21, 7.30	16.25	0.074	0.157	W	9	4.0
	Dec. 21, 8.00				S	14	10.0
	Dec. 21, 15.00	7.0	0.880	0.397	W, SW	86	15.7
	Dec. 21, 15.15						
	Dec. 22, 7.30	16.25	0.325	0.177	W	100	13.6
	Dec. 22, 8.00						
20	Dec. 22, 15.00	7.0	1.05	0.357	W	100	11.8
	Dec. 22, 15.15						
	Dec. 23, 7.30	16.25	0.117	0.272	W	100	12.9
	Dec. 23, 8.00						
	Dec. 23, 15.00	7.0	0.670	0.218	W	100	14.0
	Dec. 23, 15.15						
	Dec. 24, 7.30	16.25	0.133	0.130	N, NW	100	9.0
	Dec. 27, 8.00						
	Dec. 27, 15.00	7.0	1.24	0.116	SW	100	18.8
	Dec. 27, 15.15						
30	Dec. 28, 7.30	16.25	0.037	0.220	W, SW	100	11.0
	Dec. 28, 8.00				W, SW	79	7.7
	Dec. 28, 15.00	7.0	0.488	0.270	S	21	7.5
	Dec. 28, 15.15						
	Dec. 29, 7.30	16.25	0.197	0.140	S, SE	100	7.3
	Dec. 29, 8.00						
	Dec. 29, 15.00	7.0	0.599	0.048	SW	100	12.0
	Dec. 29, 15.15				W	20	7.0
	Dec. 30, 7.30	16.25	0.067	0.379	N	25	8.0
					NE	35	12.0
40	Dec. 30, 8.00						
	Dec. 30, 15.00	7.0	0.342	0.237	NE	100	14.0
	Dec. 30, 15.15				NE	23	14.0
	Dec. 31, 7.30	16.25	0.088	0.350	N, NW	77	14.8
	Dec. 31, 8.00						
	Dec. 31, 15.00	7.0	0.012	0.065	NW	100	19.5

## EGHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	June 15	15.45—24.00	Zero	N	4.5
	June 16	0.00— 9.15	Zero	N	2.0
		9.15—16.15	No Record		
		16.15—20.00	Zero	N	5.0
		20.00—20.30	Trace	SW	4.0
		20.30—21.00	0.04		
		21.00—21.30	0.05		
		21.30—22.00	0.03		
		22.00—22.30	0.03	SW	4.0
		22.30—23.00	0.02		
		23.00—23.30	0.02		
		23.30—24.00	0.01		
20	June 17	0.00— 0.30	0.01	SW	4.5
		0.30— 7.15	Zero	SW	4.5
		7.15— 7.30	Trace		
		7.30— 8.00	0.05		
		8.00— 8.30	0.03	SW	4.5
		8.30— 9.00	0.04		
		9.00— 9.30	Trace		
		9.30—10.00	0.02		
		10.00—10.30	0.08		
		10.30—11.00	0.07		
		11.00—11.30	0.05	W	8.0
30		11.30—12.00	0.04		
		12.00—12.30	0.04		
		12.30—14.00	Zero	NW	7.5
		14.00—16.00	No Record		
		16.00—24.00	Zero	NW	7.5
	June 18	0.00— 2.00	No Record		
		2.00— 4.00	Zero	NW	3.3
		4.00— 7.00	No Record		
		7.00— 7.30	Zero		
40		7.30— 8.00	0.02		
		8.00— 8.30	0.04	NW	3.3
		8.30— 9.00	0.07		
		9.00— 9.30	0.07		
		9.30—10.00	0.04		
		10.00—10.30	0.03	NW	3.3
		10.30—11.00	0.03		
		11.00—11.30	0.03		
		11.30—12.00	0.03	NW	3.3
		12.00—12.30	0.02		
50		12.30—13.00	0.02		
		13.00—14.00	0.02		

## EXHIBIT No. 157

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
		14.00—14.30	0.02			
		14.30—15.00	Trace	NW	3.3	
		15.00—16.30	Zero			
10		16.30—17.00	0.02			
		17.00—17.30	0.03	NE	4.5	
		17.30—18.00	Trace			
		18.00—24.00	Zero	E	4.0	
	June 19	0.00—24.00	Zero	NE, N	8.2—2.5	
	June 20	0.00— 8.30	Zero	N, NW	2.5—4.4	
		8.30— 9.00	0.03	NW	4.4	
		9.00— 9.30	0.02			
		9.30—10.00	Trace			
		10.00—11.00	0.02			
20		11.00—11.30	0.02			
		11.30—12.30	Trace	NW	4.4	
		12.30—24.00	Zero	NW, SW	4.4—7.7	
	June 21	0.00—10.30	Zero	SW	4.5	
		10.30—11.00	0.03	SW	4.5	
		11.00—11.30	0.06			
		11.30—12.00	0.02			
		12.00—12.30	0.06	W	4.0	
		12.30—13.00	0.03			
		13.00—13.30	0.03			
30		13.30—14.00	Trace	W	4.0	
		14.00—14.30	Trace			
		14.30—15.00	Trace			
		15.00—15.30	0.04			
		15.30—16.00	0.04			
		16.00—16.30	0.02	W	4.0	
		16.30—17.00	0.04			
		17.00—17.30	0.02			
		17.30—24.00	Zero	W, E	4.0—4.7	
40	June 22	0.00— 2.00	Zero	E	4.0	
		2.00— 2.30	0.04			
		2.30— 3.00	0.03			
		3.00— 3.30	0.03	E	4.0	
		3.30— 4.00	0.04			
		4.00— 4.30	0.04	SE	3.3	
		4.30— 5.00	0.05			
		5.00— 5.30	0.05			
		5.30— 6.00	0.04	SE	3.3	
		6.00— 6.30	0.08			
		6.30— 7.00	0.08			
50		7.00— 7.30	0.05	E	6.0	
		7.30— 8.00	0.04			

## EGHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	8.00— 8.30	0.04	SE	8.0
	8.30— 9.00	0.03		
	9.00—10.00	0.02	SE	8.0
	10.00—10.30	0.04		
	10.30—11.00	0.04		
	11.00—11.30	0.02	E	5.5
	11.30—12.00	0.03		
	12.00—12.30	Trace		
	12.30—13.00	0.03		
	13.00—24.00	Zero	E (SW at 22.30)	5.5
June 23	0.00— 8.00	Zero	SW, NW, SW	3.0—10.0
	8.00— 9.00	Zero	S	10.0
	9.00— 9.30	0.03		
20	9.30—10.00	0.03	S	10.0
	10.00—10.30	Zero		
	10.30—11.00	0.04	SW	13.0
	11.00—11.30	0.04		
	11.30—12.00	0.08		
	12.00—12.30	0.04		
	12.30—13.00	0.05		
	13.00—13.30	0.09		
	13.30—14.00	0.04	SW	13.0
	14.00—14.30	0.07		
30	14.30—15.00	0.07		
	15.00—15.30	0.06		
	15.30—16.00	0.04		
	16.00—16.30	0.06		
	16.30—17.00	0.07	SW	13.0
	17.00—17.30	0.05		
	17.30—18.00	0.05		
	18.00—18.30	0.03		
	18.30—19.00	0.03	SW	13.0
	19.00—19.30	0.03	SW	13.0
40	19.30—20.00	0.04		
	20.00—20.30	0.02		
	20.30—21.00	0.02		
	21.00—21.30	Trace		
	21.30—24.00	Zero	SW	13.0
June 24	0.00— 0.30	Zero		
	0.30— 1.00	0.04	SW	14.0
	1.00— 1.30	0.03		
	1.30— 2.00	0.03		
	2.00— 2.30	0.03		
50	2.30— 3.00	0.04		

## EXHIBIT No. 157

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	3.00— 3.30	0.03	SW	14.0
	3.30— 4.00	0.04		
	4.00— 4.30	0.04		
	4.30— 5.00	0.04		
	5.00— 5.30	0.04		
	5.30— 6.00	0.04		
	6.00— 6.30	0.04		
	6.30— 7.00	0.07		
	7.00— 7.30	0.09		
	7.30— 8.00	0.08		
20	8.00— 8.30	0.07	SW	14.0
	8.30— 9.00	0.07		
	9.00— 9.30	0.09		
	9.30—10.00	0.07		
	10.00—10.30	0.07		
	10.30—11.00	0.11		
	11.00—11.30	0.09		
	11.30—12.00	0.07		
	12.00—12.30	0.04		
	12.30—13.00	0.09		
30	13.00—13.30	0.08	SW	14.0
	13.30—14.00	0.07		
	14.00—14.30	0.10		
	14.30—15.00	0.03		
	15.00—16.30	Zero		
	16.30—17.00	0.03		
	17.00—17.30	0.03		
	17.30—18.00	0.02		
	18.00—18.30	0.02		
	18.30—19.00	0.01		
40	19.00—19.30	0.02	SW	8.0
	19.30—20.00	0.02		
	20.00—21.00	0.02		
	21.00—24.00	Trace		
	June 25 0.00— 0.30	0.03		
	0.30— 1.00	0.02		
	1.00— 3.00	Trace		
	3.00— 6.30	Zero		
	6.30— 7.00	0.01		
	7.00— 7.30	0.02		
50	7.30— 8.00	0.02	NW, N	8.5—4.5
	8.00—10.00	Zero		
	10.00—10.30	0.03		
	10.30—11.00	0.02		
	11.00—24.00	Zero		

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Supreme  
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No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued*

## EGHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued*

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	June 26	0.00— 8.00	Zero	NE	3.5
		8.00— 8.30	0.01		
		8.30— 9.00	0.03		
		9.00— 9.30	0.01	NE	3.5
		9.30—10.00	0.01	NE	3.5
		10.00—11.00	0.02		
		11.00—12.00	0.02		
		12.00—12.30	0.03		
		12.30—13.00	0.04		
		13.00—24.00	Zero	NE, S	3.5
	June 27	0.00— 6.00	Zero	S	2.0
		6.00— 6.30	0.02	Calm	
		6.30— 7.00	0.02		
20		7.00— 7.30	0.02	S	2.0
		7.30— 8.00	0.04		
		8.00— 8.30	0.05		
		8.30— 9.00	0.03		
		9.00— 9.30	0.03		
		9.30—10.00	0.02		
		10.00—10.30	0.02	SW	5.0
		10.30—24.00	Zero	SW, S	10.0—6.0
	June 28	0.00— 8.30	Zero	S, SW	6.0—10.7
		8.30— 9.00	0.06	SW	10.7
30		9.00— 9.30	0.07		
		9.30—10.00	0.10		
		10.00—10.30	0.10		
		10.30—11.00	0.9		
		11.00—11.30	0.07	SW	10.7
		11.30—12.00	0.06		
		12.00—12.30	0.04		
		12.30—13.00	0.08		
		13.00—13.30	0.05	SW	10.7
		13.30—14.00	0.05		
40		14.00—14.30	0.02		
		14.30—15.00	0.06		
		15.00—15.30	0.04	SW	10.7
		15.30—16.00	0.04		
		16.00—16.30	0.05		
		16.30—17.00	0.05		
		17.00—17.30	0.08		
		17.30—18.00	0.05	SW	10.7
		18.00—19.00	0.04		
		19.00—20.00	0.04		
50		20.00—20.30	0.03		
		20.30—24.00	Zero	S	5.7

## EXHIBIT No. 157

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>		
June 29	0.00— 7.00	Zero	SW	15.7			
	7.00— 7.30	0.02					
	7.30— 8.00	0.07					
	8.00— 8.30	0.05					
	8.30— 9.00	0.06					
	9.00— 9.30	0.08					
	9.30—10.00	0.08					
	10.00—10.30	0.11	SW	15.7			
	10.30—11.00	0.09					
	11.00—11.30	0.10					
20	11.30—12.00	0.09					
	12.00—12.30	0.03					
	12.30—13.00	0.08	SW	15.7			
	13.00—13.30	0.03					
	13.30—14.00	0.04					
	14.00—14.30	0.07					
	14.30—15.00	0.05					
	15.00—15.30	0.06					
	15.30—16.00	0.06	SW	15.7			
	16.00—16.30	0.07					
30	16.30—17.00	0.07	SW	15.7			
	17.00—17.30	0.05					
	17.30—18.00	0.05					
	18.00—18.30	0.04					
	18.30—19.00	Trace					
	19.00—24.00	Zero	SW	15.7			
	June 30	0.00— 7.30	Zero	SW, W		10.0—12.0	
		7.30— 8.00	0.03				
	40	8.00— 8.30	0.04	W		12.0	
		8.30— 9.00	0.07				
9.00— 9.30		0.07					
9.30—10.00		0.05					
10.00—10.30		0.06					
10.30—11.00		0.11	W	12.0			
11.00—11.30		0.10					
11.30—12.00		0.12					
12.00—12.30		0.09					
12.30—13.00		0.08					
50	13.00—13.30	0.08	W	12.0			
	13.30—14.00	0.07					
	14.00—14.30	0.06					
	14.30—15.00	0.05					
	15.00—15.30	0.06					
	15.30—16.00	0.02					
	16.00—16.30	0.04	W	12.0			

## EGHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
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Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	16.30—17.00	0.04		
	17.00—17.30	0.02		
	17.30—24.00	Zero	W	12.0
July 1	0.00—24.00	Zero	W, NW	5.0—9.0
July 2	0.00—16.30	Zero	W	6.8
	16.30—17.00	0.03		
	17.00—17.30	0.06		
	17.30—18.00	0.02		
	18.00—24.00	Zero	W	6.8
July 3	0.00— 2.30	Zero	W	2.5
	2.30— 3.30	Trace		
	3.30— 4.00	0.03		
	4.00— 6.00	Trace	W	2.5
20	6.00— 7.30	Trace		
	7.30— 8.00	0.05		
	8.00— 8.30	0.05	W	2.5
	8.30— 9.00	0.03		
	9.00—10.00	0.04	E	6.0
	10.00—11.30	Trace		
	11.30—12.00	0.04	NE	9.0
	12.00—13.00	0.03		
	13.00—13.30	0.03	NE	9.0
	13.30—24.00	Zero	E, N	6.0—3.0
30 July 4	0.00— 9.00	Zero	N	1.5
	9.00— 9.30	0.02		
	9.30—10.00	0.03		
	10.00—10.30	0.04	S	4.0
	10.30—11.00	0.03		
	11.00—12.00	0.03		
	12.00—13.00	Zero	S	4.0
	13.00—13.30	0.02	N	5.0
	13.30—14.00	0.04		
	14.00—15.00	0.04		
40	15.00—16.00	0.04		
	16.00—16.30	0.03		
	16.30—17.00	Trace	N	5.0
	17.00—24.00	Zero	S	5.5
July 5	0.00— 6.30	Zero	SW	5.5
	6.30— 7.00	0.02	W	5.0
	7.00— 7.30	Zero		
	7.30— 8.00	0.05		
	8.00— 9.00	Trace		
	9.00— 9.30	0.05	W	5.0
50	9.30—10.00	0.03		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued.</i>		
10	10.00—10.30	0.03	SW	13.0			
	10.30—11.00	Trace					
	11.00—11.30	0.05	SW	13.0			
	11.30—12.00	0.04					
	12.00—13.00	0.04					
	13.00—13.30	0.05					
	13.30—14.00	0.04					
	14.00—14.30	No Record					
	14.30—15.00	Zero					
	15.00—15.30	0.04					
15.30—16.00	0.04	SW	13.0				
20	16.00—16.30	0.05	SW	13.0			
	16.30—17.00	0.05					
	17.00—17.30	0.08					
	17.30—18.00	0.02					
	18.00—19.00	Zero					
	19.00—19.30	0.03					
	19.30—20.00	0.02					
	20.00—21.00	Trace					
	21.00—24.00	Zero					
	30	July 6 0.00— 4.00			Zero	W	9.0
4.00— 4.30		0.04	SW	10.0			
4.30— 5.00		0.02	SW	10.0			
5.00— 5.30		0.02					
5.30— 6.30		0.03					
6.30— 7.00		Zero					
7.00— 8.00		Trace					
8.00—24.00		Zero					
July 7 0.00—24.00		Zero			NW	12.5	
July 8 0.00— 7.30		Zero			NE, N	12.0—2.0	
7.30— 8.00	0.02	N	3.6				
40	8.00— 8.30	0.03	N	3.6			
	8.30— 9.00	0.02					
	9.00— 9.30	0.02					
	9.30—11.30	Trace					
	11.30—12.00	0.03					
	12.00—12.30	Trace					
	12.30—24.00	Zero					
	50	July 9 0.00— 1.00			Zero	N	3.6
		1.00— 1.30			0.05	N	4.0
		1.30— 2.00			0.08	SE	3.0
2.00— 2.30		0.07	SE	3.0			
2.30— 3.00		0.04	S	4.0			
3.00— 3.30		0.03					

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
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No. 157  
Charts, sul-  
phur dioxide  
and wind  
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made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	3.30— 4.00	Trace		
	4.00— 8.00	Zero		
	8.00— 8.30	0.02	W	4.0
	8.30— 9.00	0.02		
	9.00— 9.30	0.05		
	9.30—10.00	0.10		
	10.00—10.30	0.05		
	10.30—11.00	0.04	SW	6.5
	11.00—11.30	0.03	SW	6.5
	11.30—12.00	0.02		
	12.00—12.30	Trace		
	12.30—15.30	Zero		
20	15.30—16.00	0.04	SW	6.5
	16.00—16.30	0.03		
	16.30—17.00	0.04		
	17.00—18.00	0.03		
	18.00—18.30	0.02		
	18.30—19.00	0.03		
	19.00—24.00	Zero	SW	6.5
July 10	0.00— 8.30	Zero	SW, S	3.0—4.0
	8.30— 9.00	0.04	SW	7.0
	9.00— 9.30	0.02		
	9.30—10.00	0.04		
30	10.00—10.30	0.04		
	10.30—11.00	0.03		
	11.00—12.00	0.04	SW	7.0
	12.00—12.30	0.05		
	12.30—13.00	0.02		
	13.00—14.00	Trace		
	14.00—15.00	0.03	SW	7.0
	15.00—16.00	Trace		
	16.00—24.00	Zero	SW	7.0
July 11	0.00— 9.00	Zero	SW, S	3.0—5.5
40	9.00—10.00	0.02	SW	10.5
	10.00—10.30	0.05		
	10.30—11.00	0.03		
	11.00—11.30	0.02		
	11.30—12.00	Trace	SW	10.5
	12.00—24.00	Zero	SW, W	10.5—3.2
July 12	0.00— 9.30	Zero	S	5.0
	9.30—10.00	0.02	W	8.0
	10.00—10.30	0.03		
	10.30—11.00	0.05		
50	11.00—11.30	0.08		
	11.30—12.00	0.05	W	8.0

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10		12.00—12.30	0.04			
		12.30—13.00	0.03	N	4.0	
		13.00—13.30	Trace			
		13.30—16.30	Zero	SW	8.7	
		16.30—17.00	Trace	SW	10.0	
		17.00—17.30	0.05			
		17.30—18.00	0.04			
		18.00—18.30	0.03			
		18.30—19.00	0.04	SW	10.0	
		19.00—20.00	Trace	SW	4.0	
20	July 13	20.00—24.00	Zero	SW	4.0	
		0.00—10.30	Zero	SW	3.6	
		10.30—11.00	Trace			
		11.00—11.30	0.02			
30		11.30—12.00	0.04			
		12.00—12.30	0.03			
		12.00—13.00	Trace			
		13.00—24.00	Zero			
	July 14	0.00—24.00	Zero	NE	10.7—5.8	
	July 15	0.00—24.00	Zero	NE	2.0—10.4	
	July 16	0.00— 0.30	0.03	E	2.0	
		0.30— 1.00	0.05			
		1.00— 1.30	0.05	SE	5.0	
		1.30— 2.00	0.07			
		2.00— 2.30	0.09	S	2.0	
		2.30— 3.00	0.03			
		3.00— 3.30	0.01			
		3.30— 4.00	Zero	S	2.0	
	4.00— 5.00	Zero				
40		5.00— 5.30	0.03			
		5.30— 6.00	0.04			
		6.00— 6.30	0.16	S	5.0	
		6.30— 7.00	0.31			
		7.00— 7.30	0.06			
		7.30— 8.00	0.05	S	5.0	
		8.00— 8.30	0.02			
		8.30— 9.00	0.02			
		9.00—18.30	Zero	S	6.0	
		18.30—19.00	0.03			
50		19.00—19.30	0.05	S	6.0	
		19.30—20.00	Trace			
		20.00—22.00	Zero			
		22.00—22.30	0.05			
		22.30—23.00	0.03			
		23.00—24.00	Zero	S	6.0	

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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Charts, sulphur dioxide  
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Dunn's test  
house by  
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Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
July 17	0.00— 8.00	Zero	S, SW	7.2—8.8	
	8.00— 8.30	0.02	SW	9.0	
	8.30— 9.00	0.04			
	9.00— 9.30	0.04			
	9.30—10.00	0.03			
	10.00—10.30	0.02			
	10.30—11.00	Trace	SW	9.0	
	11.00—24.00	Zero	NW, SW, S	9.3—10.5—6.7	
	July 18	0.00— 8.00	Zero	SW	6.3
		8.00—24.00	Zero	NW	10.0
	July 19	0.00—11.30	Zero	NW	3.5
11.30—12.00		Trace			
12.00—12.30		0.03			
12.30—13.00		0.01			
July 20	13.00—24.00	Zero	S	3.0	
	9.00—10.00	Trace	SW	4.4	
	10.00—10.30	Zero			
	10.30—11.00	0.02	SW	4.4	
	11.00—15.00	Zero	SW	4.4—11.0	
	15.00—15.30	Trace			
	15.30—16.00	0.04	SW	11.0	
	16.00—16.30	0.03			
	16.30—17.00	0.07			
	17.00—17.30	0.04			
	17.30—18.00	0.03			
	18.00—18.30	0.03			
	18.30—19.00	Trace			
	19.00—20.00	0.03	W	4.7	
20.00—20.30	Trace				
20.30—24.00	Zero	W, SW	4.7—3.0		
July 21	0.00— 1.30	Zero	SW	4.0	
	1.30— 2.00	0.03			
	2.00— 2.30	0.16			
	2.30— 3.00	0.04			
	3.00— 3.30	Zero	W	2.4	
	3.30— 4.00	Zero			
	4.00— 5.00	0.02			
	5.00— 5.30	0.04			
	5.30— 7.30	Zero			
	7.30— 8.00	0.02			
	8.00— 8.30	0.04	W	5.0	
	8.30— 9.00	0.08			
	9.00— 9.30	0.05			
	9.30—10.00	0.04			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>		
10	10.00—10.30	0.04	N	6.0			
	10.30—11.00	0.03					
	11.00—12.00	0.02					
	July 22	12.00—12.30	0.03	NE, SW, N		5.0—3.3—3.3	
		12.30—13.00	0.02				
		13.00—24.00	Zero				
		0.00—11.30	Zero				
11.30—12.00		0.04					
12.00—12.30		0.07					
12.30—13.00		0.05					
20	13.00—13.30	0.03	No record of wind direction				
	13.30—14.00	0.03					
	14.00—16.00	Trace					
	16.00—24.00	Zero					
	July 23	0.00— 8.00			Zero	No record of wind direction	
		8.00— 9.30			0.02		
		9.30—10.00			0.04		
		10.00—10.30			0.05		
		10.30—11.00			0.04		
		11.00—11.30			0.03		
		11.30—12.00			0.03		
30	12.00—12.30	0.05	W W	12.5 12.5			
	12.30—13.00	0.05					
	13.00—13.30	0.02					
	13.30—14.00	Trace					
	14.00—24.00	Zero					
	July 24	0.00—24.00			Zero	NW, W	12.4—8.7
	July 25	0.00—24.00			Zero	SW, W, NW, W	9.0-6.0-10.5-7.5
	July 26	0.00— 8.00			Zero	SW, NW, SW, S	5.5-8.0-16.0-7.0
40	8.00— 8.30	0.07	S SW	8.5 13.0			
	8.30— 9.00	0.05					
	9.00— 9.30	0.04					
	9.30—10.00	0.03					
	10.00—11.00	0.02					
	11.00—12.00	Trace					
	12.00—12.30	Zero					
	12.30—13.00	0.04					
	13.00—13.30	Zero					
	13.30—14.30	0.03					
50	14.30—15.00	0.05	W	13.0			
	15.00—15.30	0.04					
	15.30—16.00	0.05					
	16.00—16.30	0.06					
	15.30—17.00	0.07					
	17.00—17.30	0.05			SW	10.5	

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	17.30—18.00	0.04		
	18.00—18.30	Trace		
	18.30—24.00	Zero	W	8.0
July 27	0.00— 7.00	Zero	W	No Record
	7.00— 7.30	Trace	S	No Record
	7.30— 8.00	0.03		
	8.00— 9.00	0.03	SW	15.4
	9.00— 9.30	0.02		
	9.30—10.00	0.04		
	10.00—11.00	0.03		
	11.00—12.00	0.03	SW	15.4
	12.00—12.30	0.05		
	12.30—13.00	Trace		
20	13.00—13.30	0.03		
	13.30—14.00	0.05		
	14.00—14.30	Trace		
	14.30—15.00	0.04		
	15.00—15.30	0.05	W	9.6
	15.30—16.00	0.03		
	16.00—16.30	Trace		
	15.30—24.00	Zero	W, SW	9.6—5.0
July 28	0.00—24.00	Zero	S, W, N, NW, W, S	5.3—3.5—6.0— 8.5—9.3—5.0
30	July 29	0.00— 9.00	S	4.2
		9.00— 9.30	W	4.0
		9.30—10.00		
		10.00—10.30	No Record	5.3
		10.30—11.00		
		11.00—11.30		
		11.30—12.00		
		12.00—16.30	S	10.0
		16.30—17.00		
		17.00—24.00	S	2.7
40	July 30	0.00— 7.30	No Record	No Record
		7.30— 8.00		
		8.00— 8.30		
		8.30— 9.00	SW	16.0
		9.00— 9.30		
		9.30—10.00	SW	16.0
		10.00—10.30		
		10.30—11.00		
		11.00—11.30		
		11.30—12.00		
50		12.00—13.00	SW	16.0

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	13.00—14.00	0.03				
	14.00—15.00	0.02				
	15.00—15.30	0.03				
	15.30—16.00	0.02	SW	16.0		
	16.00—16.30	0.04				
	16.30—17.30	Trace				
	17.30—24.00	Zero	W	9.1		
July 31	0.00—24.00	Zero	SW, W (15.00—24.00 No Record)	9.0—14.5		
Aug. 1	0.00—24.00	Zero	SW, SW, NW	6.0-15.0-6.4		
Aug. 2	0.00—24.00	Zero	NW, N	4.0—2.5		
Aug. 3	0.00— 8.30	Zero	N	2.7		
	8.30—10.00	Trace				
20	10.00—11.00	0.03				
	11.00—12.30	Trace	N	2.7		
	12.30—13.00	0.04				
	13.00—13.30	0.08	NE	5.0		
	13.30—14.00	Trace				
	14.00—24.00	Zero	NW, N	5.0—1.5		
	Aug. 4	0.00— 9.30	Zero	N	1.0—7.0	
9.30—10.30	Trace	N, NE	7.0—7.5			
30	10.30—11.00	0.03				
	11.00—11.30	0.02				
	11.30—12.00	Zero				
	12.00—14.00	Trace				
	14.00—24.00	Zero	NE, N	7.5—5.0		
	Aug. 5	0.00—10.00	Zero	NE	10.0—8.6	
	10.00—10.30	Trace				
40	10.30—11.30	0.03				
	11.30—12.00	0.02				
	12.00—15.00	Zero				
	15.00—16.30	Trace	NE, N	8.6—3.5		
	16.30—24.00	Zero	N (22.00—24.00 No Record)	3.5		
	Aug. 6	0.00— 6.30	Zero	NW, W (0.00—2.30 No Record)	6.0—5.0	
	6.30—10.00	Trace	NW, W	5.0—8.0		
	10.00—10.30	0.02	NW	8.0		
	10.30—11.00	0.04				
	11.00—11.30	0.04				
50	11.30—12.00	0.06				
	12.00—12.30	0.06				
	12.30—13.00	0.03				
	13.00—13.30	0.02				
	13.30—24.00	Zero	NW, N	7.0—4.0		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Aug. 7	0.00— 7.30	Zero	NW, W	2.0—4.0
		7.30— 8.30	Trace	W	4.0
		8.30— 9.00	0.03		
		9.00—10.00	0.02	NW	9.5
		10.00—19.00	Zero		
		19.00—19.30	0.02	(19.00—24.00 No Record)	
		19.30—20.30	Trace		
		20.30—24.00	Zero		
	Aug. 8	0.00—24.00	Zero	SW, W, N, S (0.00—2.00 No Record)	2.0—8.0
	Aug. 9	0.00— 8.30	Zero	W, N (1.00—3.30 No Record)	1.0—2.5
		8.30— 9.00	Trace	N	2.5
20		9.00—10.00	0.03		
		10.00—10.30	0.02		
		10.30—11.00	0.02	(10.30—15.00 No Record)	
		11.00—11.30	0.03		
		11.30—12.00	0.02		
		12.00—12.30	0.02		
		12.30—24.00	Zero	NE, N, SW	6.0—2.0
	Aug. 10	0.00— 8.30	Zero	SW	2.5
		8.30— 9.00	0.02	(5.00—24.00 No Record)	
		9.00— 9.30	0.03		
30		9.30—10.00	0.05		
		10.00—10.30	0.05		
		10.30—11.00	0.04		
		11.00—11.30	0.03		
		11.30—12.00	0.02		
		12.00—12.30	0.04		
		12.30—13.00	0.03		
		13.00—14.00	Trace		
		14.00—15.00	0.02		
		15.00—15.30	0.03		
40		15.30—23.30	Zero		
		23.30—24.00	0.05		
	Aug. 11	0.00— 0.30	0.06	(0.00—9.30 No Record)	
		0.30— 1.00	0.05		
		1.00— 1.30	0.11		
		1.30— 2.00	0.10		
		2.00— 2.30	0.09		
		2.30— 3.00	0.04		
		3.00— 3.30	0.04		
		3.30— 4.00	0.03		
50		4.00— 4.30	0.02		
		4.30— 5.00	0.02		



## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	5.00— 7.30	Zero	SW	14.5
	7.30— 8.00	Trace		
	8.00— 8.30	0.05		
	8.30— 9.00	0.04		
	9.00— 9.30	Trace		
	9.30—13.00	Zero		
	13.00—14.00	0.03		
	14.00—14.30	0.04		
	14.30—15.00	0.05		
	15.00—15.30	0.04		
	15.30—16.00	0.04		
	16.00—16.30	0.05		
	16.30—17.00	0.04		
	17.00—18.30	0.03		
20	18.30—24.00	Zero	SW, W W	13.0—8.0 8.0
	Aug. 12 0.00— 4.00	Zero		
	4.00— 5.30	Trace		
	5.30— 6.00	0.02		
	6.00— 7.00	Trace		
	7.00— 7.30	0.05		
	7.30— 8.00	0.06		
	8.00— 8.30	0.05		
	8.30— 9.00	0.08		
	9.00— 9.30	0.05		
30	9.30—10.00	0.06	SW	10.0
	10.00—10.30	0.05		
	10.30—11.00	0.02		
	11.00—11.30	0.05		
	11.30—12.00	0.04		
	12.00—12.30	0.04		
	12.30—13.00	0.03		
	13.00—13.30	0.05		
	13.30—14.00	Trace		
	14.00—14.30	0.03		
40	14.30—15.00	0.03	SW	10.0
	15.00—15.30	0.04		
	15.30—16.00	0.04		
	16.00—16.30	0.05		
	16.30—17.00	0.04		
	17.00—17.30	0.07		
	17.30—18.00	0.04		
	18.00—18.30	0.02		
	18.30—20.30	Trace		
	20.30—24.00	Zero		
50			W	5.0

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## EXHIBIT No. 157 (Continued)

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Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.				
Aug. 13	0.00— 7.00	Zero	W	6.7				
	7.00— 7.30	0.02						
	7.30— 8.00	0.02						
	Aug. 14	8.00— 9.00	Trace		6.7—8.0			
		9.00—24.00	Zero	W, NW				
		0.00—24.00	Zero	NW, W, N		9.4—4.0		
		Aug. 15	0.00—24.00	Zero	N, W, NW, NE, SW	2.0—8.0		
			Aug. 16	0.00— 7.30	Zero		SW	2.0
				7.30— 8.00	0.02			
				8.00— 8.30	0.04			
				20	8.30— 9.00	0.06		5.0
					9.00— 9.30	0.08		
					9.30—10.00	0.11		
30					10.00—10.30	0.05	N	8.0
					10.30—11.00	0.04		
					11.00—11.30	0.05		
	40				11.30—12.00	0.04		1.2
					12.00—12.30	0.04		
					12.30—13.00	0.02		
		50			13.00—13.30	0.03	NE	5.0
			13.30—14.00		0.02			
			14.00—14.30		0.02			
			Aug. 17		14.30—15.00	0.02		9.0
				15.00—15.30	0.04			
				15.30—16.00	Trace			
				Aug. 17	16.00—22.00	Zero	NE, E, S	1.2
22.00—22.30					0.10	S		
22.30—23.00					0.07			
40					23.00—23.30	0.05		9.0
	23.30—24.00				0.04			
	0.00— 1.00				Trace	S		
	50				1.00— 9.00	Zero		9.0
		9.00—10.00			Trace			
		10.00—10.30			0.04			
		Aug. 17			10.30—11.00	0.03		9.0
			11.00—11.30		0.03			
			11.30—12.00		0.05			
			Aug. 17		12.00—12.30	0.07		9.0
				12.30—13.00	0.05			
				13.00—13.30	0.05			
				Aug. 17	13.30—14.00	0.04		9.0
14.00—14.30					0.05	SW		
14.30—15.00					0.03			
Aug. 17					15.00—16.00	0.04		9.0
	16.00—17.00				Trace			

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
10	Aug. 18	17.00—17.30			
		17.30—18.00	0.07		
		18.00—24.00	Trace		
		0.00— 2.00	Zero	S	8.0
		2.00— 2.30	Zero	S	7.0
		2.30— 3.00	0.03		
		3.00— 3.00	0.02		
		3.00—17.00	Zero	S, SW	7.0—6.0
		17.00—17.30	Trace	SW	6.0
		17.30—18.00	0.02		
20	Aug. 19	18.00—19.00	Zero		
		19.00—20.00	Trace		
		20.00—24.00	Zero	W	4.0
		0.00— 8.00	Zero	S, NW	3.0—4.5
		8.00— 8.30	Zero	NW	4.5
		8.30— 9.00	0.03		
		9.00— 9.30	0.02		
		9.30—10.00	Trace		
		13.00—13.30	Zero		
		13.30—14.00	Zero	NW	4.5
30	Aug. 20	14.00—14.30	Trace		
		14.30—15.00	Zero		
		15.00—24.00	Zero	NW, N	4.5—2.0
		0.00— 9.00	Zero	N	4.0
		9.00—10.00	Trace		
		10.00—11.30	Trace		
		11.30—24.00	Zero	N, NE, E	4.0—8.0—1.5
		0.00— 8.30	Zero	E	1.5
		8.30— 9.00	0.02		
		9.00— 9.30	0.04	NE	6.0
40	Aug. 21	9.30—10.00	0.03		
		10.00—10.30	0.02		
		10.30—11.00	0.03		
		11.00—11.30	Zero		
		11.30—12.00	Trace		
		12.00—12.30	0.02		
		12.30—24.00	Zero	NE	6.0
		0.00— 8.00	Zero	NE, N	4.0
		8.00— 8.30	0.03	N	4.0
		8.30— 9.00	0.04		
50	Aug. 22	9.00— 9.30	0.04		
		9.30—10.00	0.03		
		10.00—10.30	0.03		
		10.30—11.00	0.04		
		11.00—11.30	Trace		
		11.30—12.00	Trace		
		12.00—24.00	Zero	N, NE	4.0—3.0

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	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Aug. 23	0.00— 2.00	Zero	E	2.0
		2.00— 2.30	0.02		
		2.30— 3.00	0.03		
		3.00— 3.30	Trace		
		3.30— 4.30	Trace	E	2.0
		4.30— 7.30	Zero		
		7.30— 8.00	Trace		
		8.00— 8.30	0.02		
		8.30— 9.00	0.04	E	2.0
		9.00— 9.30	0.06		
		9.30—10.00	0.08		
		10.00—10.30	0.05		
		10.30—11.00	0.06		
20		11.00—11.30	0.05		
		11.30—12.00	0.05	NE	4.3
	12.00—12.30	0.03			
	12.30—13.00	0.02			
	13.00—13.30	Trace			
	13.30—14.00	0.02			
	14.00—14.30	Trace			
	14.30—15.00	0.03			
	15.00—24.00	Zero	NE	4.3	
30	Aug. 24	0.00— 7.30	Zero	E, S	3.0—5.0
		7.30— 8.00	0.02		
		8.00— 8.30	0.03	S	5.0
		8.30— 9.00	0.07		
		9.00— 9.30	0.11		
		9.30—10.00	0.16	SW	17.0
		10.00—10.30	0.19		
		10.30—11.00	0.14		
		11.00—11.30	0.11		
		11.30—12.00	0.09		
40		12.00—12.30	0.08		
		12.30—13.00	0.06	SW	17.0
		13.00—13.30	0.05		
		13.30—14.00	0.04		
		14.00—14.30	0.02		
		14.30—15.00	0.04		
		15.00—15.30	0.04		
		15.30—16.00	0.06		
		16.00—16.30	0.07		
		16.30—17.00	0.07		
50		17.00—17.30	0.04	SW	17.0
		17.30—18.00	0.03		
		18.00—18.30	0.03		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10		18.30—19.00	0.04			
		19.00—19.30	0.03			
		19.30—20.00	0.04			
		20.00—20.30	0.03			
		20.30—21.00	0.04			
		21.00—22.00	Trace	SW	17.0	
		22.00—22.30	Trace			
		22.30—23.00	0.03			
		23.00—23.30	Trace			
		23.30—24.00	Zero			
20	Aug. 25	0.00— 1.00	Trace	SW	11.0	
		1.00— 2.00	Zero			
		2.00— 3.00	Trace			
		3.00— 4.00	Trace			
		4.00— 4.30	0.02			
		4.30— 5.00	0.03			
		5.00— 5.30	0.03			
		5.30— 6.00	0.05	SW	11.0	
		6.00— 6.30	0.04			
		6.30— 7.00	0.04			
30		7.00— 7.30	0.06			
		7.30— 8.00	0.12			
		8.00— 8.30	0.19			
		8.30— 9.00	0.16	SW	11.0	
		9.00— 9.30	0.11			
		9.30—10.00	0.11			
		10.00—10.30	0.07			
		10.30—11.00	0.05			
		11.00—11.30	0.07			
		11.30—12.00	0.06			
40		12.00—12.30	0.06			
		12.30—13.00	0.04			
		13.00—13.30	0.03			
		13.30—14.00	0.02			
		14.00—14.30	0.04	SW	11.0	
		14.30—15.00	0.03			
		15.00—15.30	0.04			
		15.30—16.00	0.08			
		16.00—16.30	0.08			
		16.30—17.00	0.07			
50		17.00—18.00	0.04			
		18.30—19.30	0.02			
		19.30—21.00	0.02	SW	11.0	
		21.00—22.00	0.03			
		22.00—22.30	0.05			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.30—23.00	0.03		
		23.00—23.30	0.02		
		23.30—24.00	Trace		
	Aug. 26	0.00— 1.00	Trace	SW	6.0
		1.00— 8.00	Zero		
		8.00— 8.30	Trace		
		8.30— 9.00	0.03		
		9.00— 9.30	0.03		
		9.30—10.00	0.02		
		10.00—11.00	Trace		
		11.00—16.30	Zero	NW	6.0
		16.30—17.00	0.03	SW	6.0
		17.00—17.30	0.02		
20		17.30—18.00	Trace		
		18.00—21.00	Zero		
		21.00—21.30	0.03		
		21.30—22.00	0.02		
		22.00—22.30	Trace	SW	6.0
		22.30—24.00	Zero		
	Aug. 27	0.00— 9.00	Zero	SW	3.3
		9.00— 9.30	0.03		
		9.30—10.00	0.02		
		10.00—10.30	0.04		
30		10.30—11.00	0.02		
		11.00—11.30	0.02	W	4.0
		11.30—12.00	0.04		
		12.00—12.30	0.03		
		12.30—13.00	Trace		
		13.00—14.30	Zero	NW	6.0
		14.30—16.30	Trace	NE	4.0
		16.30—24.00	Zero	SW	3.5
	Aug. 28	0.00— 8.30	Zero	SW	5.0
		8.30— 9.00	0.04		
40		9.00— 9.30	0.06		
		9.30—10.00	0.07		
		10.00—10.30	0.09	SW	5.0
		10.30—11.00	0.07		
		11.00—11.30	0.06		
		11.30—12.00	0.05		
		12.00—12.30	0.05		
		12.30—13.00	0.04		
		13.00—13.30	0.02	NW	6.0
		13.30—15.30	Trace		
50		15.30—17.00	Zero	SW	11.6

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
		17.00—18.00	0.04			
		18.00—19.30	0.03			
		19.30—24.00	Zero	SW	11.6	
10	Aug. 29	0.00—24.00	Zero	SW, W, NW	6.0—10.5	
	Aug. :30	0.00— 8.30	Zero	NW, W	4.5—4.0	
		8.30— 9.00	0.03	W	4.0	
		9.00— 9.30	0.02			
		9.30—10.00	Trace			
		10.00—10.30	0.03			
		10.30—13.30	Zero	NE	7.5	
		13.30—14.00	0.02			
		14.00—15.30	Trace			
		15.30—24.00	Zero	NE, Calm	7.5—0	
20	Aug. 31	0.00— 7.30	Zero	N, NE	7.0—10.8	
		7.30— 8.00	0.02	NE	10.8	
		8.00— 9.00	0.02			
		9.00—10.00	Trace			
		10.00—24.00	Zero	NE, N	10.8—2.0	
	Sept. 1	0.00— 6.00	Zero	E	2.5	
		6.00— 6.30	Trace			
		6.30— 7.00	Zero			
		7.00— 7.30	Trace			
		7.30— 8.00	0.04			
30		8.00— 8.30	0.04	E	2.5	
		8.30— 9.00	0.05			
		9.00— 9.30	0.03			
		9.30—10.00	0.03			
		10.00—10.30	0.02			
		10.30—11.00	0.03			
		11.00—11.30	Trace	NE	6.0	
		11.30—12.00	0.03			
		12.00—12.30	Trace			
		12.30—16.00	Zero			
40		16.00—17.00	Trace			
		17.00—17.30	0.02	SW	8.0	
		17.30—18.30	Trace			
		18.30—19.00	0.02			
		19.00—20.30	Trace	W	4.0	
		20.30—24.00	Zero			
	Sept. 2	0.00— 2.30	Zero	S	3.0	
		2.30— 3.00	0.21	SE	4.0	
		3.00— 3.30	0.18			
		3.30— 4.00	0.15			
50		4.00— 4.30	0.16			

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Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	4.30— 5.00	0.12	SE	4.0
	5.00— 5.30	0.08		
	5.30— 6.00	0.03		
	6.00— 6.30	0.03	SE	4.0
	6.30— 7.00	0.02		
	7.00— 7.30	Trace		
	7.30— 8.00	0.06		
	8.00— 8.30	0.08		
	8.30— 9.30	0.08		
	9.30—10.00	0.07		
	10.00—10.30	0.09		
	10.30—11.00	0.16	SE	4.0
	11.00—11.30	0.19		
20	11.30—12.00	0.10		
	12.00—12.30	0.09		
	12.30—13.00	0.08		
	13.00—13.30	0.08	SW	6.6
	13.30—14.00	0.04		
	14.00—14.30	0.05		
	14.30—15.00	0.04		
	15.00—15.30	0.03		
	15.30—16.30	Trace		
	16.30—17.00	0.05	NE	5.0
30	17.00—17.30	0.03		
	17.30—18.00	Trace		
	18.00—24.00	Zero	E	1.6
Sept. 3	0.00— 1.00	Zero	E	1.6
	1.00— 1.30	0.04		
	1.30— 2.00	0.05		
	2.00— 2.30	0.06		
	2.30— 3.00	0.05		
	3.00— 3.30	0.05		
	3.30— 4.00	0.05	E	1.6
40	4.00— 4.30	0.11		
	4.30— 5.00	0.10		
	5.00— 5.30	0.04		
	5.30— 6.00	0.02		
	6.00— 6.30	0.02		
	6.30— 7.00	Trace		
	7.00— 7.30	0.04	E	1.6
	7.30— 8.00	0.05		
	8.00— 9.00	0.04		
	9.00— 9.30	0.07		
50	9.30—10.00	0.03	N	4.0



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	10.00—10.30	0.02			
	10.30—11.00	0.03			
	11.00—12.00	0.04			
	12.00—12.30	0.06	NE	4.3	
	12.30—13.00	0.04			
	13.00—14.00	0.05			
	14.00—15.00	0.05			
	15.00—15.30	0.04			
	15.30—17.30	Trace			
	17.30—24.00	Zero	NE	4.3	
Sept. 4	0.00— 8.30	Zero	NE, Calm NE	2.5—0—2.0	
	8.30— 9.00	0.02	NE	2.0	
	9.00— 9.30	0.04			
	9.30—11.30	0.02			
20	11.30—13.00	Trace	N	6.5	
	13.00—21.30	Zero	N, NE	6.5—5.0	
	21.30—23.30	Trace	Calm	0	
	23.30—24.00	0.04			
	Sept. 5	0.00— 2.00	Trace	Calm	
2.00— 8.00		Zero			
8.00— 8.30		0.04			
8.30— 9.00		0.05			
9.00— 9.30		0.04	N	4.5	
30	9.30—10.00	0.05			
	10.00—10.30	0.08			
	10.30—11.00	0.04			
	11.00—11.30	0.04			
	11.30—12.00	0.03			
	12.00—13.00	0.02	NE	7.0	
	13.00—14.00	Trace			
	14.00—15.30	0.02			
	15.30—16.30	Trace			
	16.30—24.00	Zero	N, Calm	3.0—0	
40	Sept. 6 0.00—24.00	Zero	S	7.5	
	Sept. 7 0.00— 1.30	Trace	S	7.5	
50	1.30— 2.00	0.03			
	2.00— 3.00	0.02			
	3.00— 4.00	0.03			
	4.00— 4.30	0.03			
	4.30— 5.00	Trace	S	7.5	
	5.00— 8.00	Zero			
	8.00— 8.30	0.02			
	8.30— 9.00	Trace			
	9.00—15.30	Zero	SW	11.0	

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Kutz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		15.30—16.00	Trace		
		16.00—16.30	0.05		
		16.30—17.00	0.10		
		17.00—17.30	0.06		
		17.30—18.00	Trace	SW	11.0
		18.00—18.30	0.03		
		18.30—19.00	0.02		
		19.00—20.00	Trace		
		20.00—24.00	Zero	S	6.0
	Sept. 8	0.00—24.00	Zero	S, N, W	2.5—4.7
	Sept. 9	0.00—24.00	Zero	W, NW, N	1.0—6.0
	Sept. 10	0.00— 4.30	Zero	N	4.0
		4.30— 5.00	0.02		
20		5.00— 7.00	Zero		
		7.00— 7.30	Trace		
		7.30— 8.00	0.02		
		8.00— 9.00	Trace	N	4.0
		9.00— 9.30	0.05		
		9.30—10.00	0.04		
		10.00—10.30	0.03		
		10.30—11.00	0.03		
		11.00—12.30	Trace		
		12.30—24.00	Zero	NW, SW	7.2—4.0
30	Sept. 11	0.00— 7.30	Zero	SW	7.5
		7.30— 8.30	Trace		
		8.30— 9.00	0.04		
		9.00—10.00	Trace		
		10.00—11.30	Zero		
		11.30—12.00	0.04		
		12.00—12.30	Trace	SW	7.5
		12.30—15.00	Zero		
		15.00—15.30	Trace		
		15.30—16.00	0.02		
40		16.00—17.00	Trace	SW	7.5
		17.00—24.00	Zero	SW, W, S	7.5—3.0—6.0
	Sept. 12	0.00— 8.00	Zero	S, W	7.0
		8.00— 8.30	Trace		
		8.30—10.00	0.02	W	7.0
		10.00—11.30	Trace		
		11.30—24.00	Zero	SW, S	14.0—8.0
	Sept. 13	0.00— 4.00	Zero	S, SW	8.0—11.0
		4.00— 7.00	Trace	SW	11.0
		7.00— 7.30	0.10	W	11.0
50		7.30— 8.00	0.16		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	8.00— 8.30	0.10		
	8.30— 9.00	0.09		
	9.00— 9.30	0.05	W	11.0
	9.30—10.00	0.05		
	10.00—10.30	0.02		
	10.30—11.00	0.04		
	11.00—12.00	0.02	NW	8.4
	12.00—13.00	0.02		
	13.00—14.00	Trace		
	14.00—22.00	Zero	NW, NE	8.4—8.18
Sept. 14	22.00—24.00	No Record	N	9.3
	0.00— 7.30	No Record	N	3.0
20) Sept. 15	7.30—24.00	Zero	NE, N, NE	7.7—6.3—6.0
	0.00—10.30	Zero	NE, E	2.0—6.0
	10.30—11.00	Trace	E	6.0
	11.00—11.30	0.03		
	11.30—12.00	Trace		
	12.00—24.00	Zero	NE, E	10.0—5.0
Sept. 16	0.00— 7.30	No Record	E	5.0
	7.30— 8.00	Zero		
	8.00— 8.30	Trace		
	8.30— 9.00	0.02	E	5.0
	9.00— 9.30	0.02		
30	9.30—10.30	Trace		
	10.30—21.00	Zero	E, NE	5.0—8.0
	21.00—22.30	Trace	E	5.0
	22.30—23.00	0.02		
	23.00—23.30	0.06		
	23.30—24.00	0.06		
	Sept. 17	0.00— 1.00	0.06	Calm
40	1.00— 1.30	0.05		
	1.30— 2.00	0.06		
	2.00— 2.30	0.09		
	2.30— 3.00	0.08	Calm	0
	3.00— 3.30	0.04		
	3.30— 4.00	0.04		
	4.00— 4.30	0.03		
	4.30— 5.00	0.03	E	2.0
	5.00— 6.00	0.02		
	6.00— 7.00	Trace	S	6.0
50	7.00— 8.00	Zero		
	8.00— 8.30	Trace		
	8.30— 9.00	0.03		
	9.00— 9.30	0.08	SW	14.5

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## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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readings  
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Dunn's test  
house by  
Dr. Katz  
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Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	9.30—10.00	0.14		
	10.00—10.30	0.12		
	10.30—11.00	0.15		
	11.00—11.30	0.15		
	11.30—12.00	0.17	SW	14.5
	12.00—12.30	0.16		
	12.30—13.00	0.14		
	13.00—13.30	0.11		
	13.30—14.00	0.15		
	14.00—14.30	0.13		
	14.30—15.00	0.14		
	15.00—15.30	0.11		
	15.30—16.00	0.13	SW	14.5
20	16.00—16.30	0.12		
	16.30—17.00	0.12		
	17.00—17.30	0.08		
	17.30—18.00	0.03		
	18.00—18.30	0.03		
	18.30—19.00	0.04		
	19.00—19.30	0.04	SW	14.5
	19.30—20.00	0.05		
	20.00—20.30	0.07		
	20.30—21.00	0.02		
30	21.00—21.30	0.05		
	21.30—22.00	0.04		
	22.00—23.00	0.05		
	23.00—24.00	0.05		
Sept. 18	0.00— 0.30	0.03	W	9.0
	0.30— 2.00	Trace		
	2.00— 3.00	0.04	SW	13.7
	3.00— 3.30	0.06		
	3.30— 4.00	0.05		
	4.00— 4.30	0.06		
40	4.30— 5.00	0.05		
	5.00— 5.30	0.05		
	5.30— 6.00	0.04		
	6.00— 6.30	0.06		
	6.30— 7.00	0.05	SW	13.7
	7.00— 8.00	0.06		
	8.00— 8.30	0.05		
	8.30— 9.00	0.03		
	9.00—10.00	0.02		
	10.00—10.30	Trace		
50	10.30—11.00	0.02		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	11.00—12.30	Trace				
	12.30—15.30	Zero				
	15.30—17.00	Trace	NE	4.0		
	17.00—17.30	Zero				
	17.30—18.30	Trace	SW	9.0		
	18.30—19.00	0.02				
	19.00—20.00	Trace				
Sept. 19	20.00—24.00	Zero	SW	9.0		
	0.00—24.00	Zero	SW, N, W	5.7—3.0—6.0		
Sept. 20	0.00— 9.00	Zero	W	4.2		
	9.00— 9.30	Trace				
20	9.30—10.00	0.02				
	10.00—10.30	Trace				
	10.30—11.00	0.05				
	11.00—12.00	Trace	W	4.2		
	12.00—17.00	Zero	NW	11.4		
	17.00—18.00	Trace				
	18.00—21.00	Zero				
	21.00—22.00	Trace				
	22.00—24.00	Zero	NE	16.0		
	Sept. 21	0.00—12.00	Zero	NE	7.9	
12.00—13.30		Trace				
30	13.30—24.00	Zero	N, Calm, NE	5.5—9.0		
	Sept. 22 0.00— 7.30	Zero	NE	5.4		
	7.30— 8.00	Zero				
	8.00— 8.30	0.03				
	8.30— 9.00	Trace				
	9.00— 9.30	0.02				
	9.30—10.00	Trace				
	10.00—11.00	Trace	NE	5.4		
	11.00—12.00	Trace				
	12.00—13.30	Zero				
40	13.30—15.00	0.02				
	15.00—24.00	Zero	NE, Calm, N	5.4—7.2		
	Sept. 23 0.00— 7.30	Zero	NE	5.8		
	7.30— 8.00	0.02				
	8.00— 8.30	Trace				
	8.30— 9.00	Trace				
	9.00—24.00	Zero	NE, E	5.8—2.5		
	Sept. 24 0.00—24.00	Zero	E, NE, N	2.5—10.0		
	Sept. 25	0.00— 8.30	Zero	N	2.0	
		8.30— 9.00	0.02			
9.00— 9.30		0.03	NE	10.5		
50	9.30—10.00	Zero				

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		10.00—10.30	Trace		
		10.30—11.00	Trace		
		11.00—24.00	Zero	NE, N	10.5—2.0
	Sept. 26	0.00— 9.00	Zero	N, W	2.0—3.2
		9.00— 9.30	0.04		
		9.30—10.00	0.04	N	5.0
		10.00—10.30	0.03		
		10.30—11.00	0.02	N, NE	5.0—2.3
		11.00—11.30	0.02		
		11.30—12.30	Trace		
		12.30—24.00	Zero	N, NE	5.0—2.3
	Sept. 27	0.00— 7.30	Zero	NE	2.8
		7.30— 8.00	0.02		
20		8.00— 8.30	0.03		
		8.30— 9.00	0.04		
		9.00— 9.30	0.06		
		9.30—10.00	0.05		
		10.00—10.30	0.05	NW	5.0
		10.30—11.00	0.04	NW	5.0
		11.00—11.30	0.06		
		11.30—12.00	0.05		
		12.00—12.30	0.05		
		12.30—13.00	0.02		
30		13.00—13.30	Trace		
		13.30—24.00	Zero	NE, Calm	6.0—2.0
	Sept. 28	0.00— 8.00	Zero	NE	4.0
		8.00— 8.30	0.03		
		8.30— 9.00	0.04		
		9.00— 9.30	0.04		
		9.30—10.00	0.05		
		10.00—10.30	0.05		
		10.30—11.00	0.04		
		11.00—11.30	0.03	NE	4.0
40		11.30—12.00	0.03		
		12.00—13.00	0.02		
		13.00—13.30	Trace		
		13.30—14.00	0.03		
		14.00—15.00	0.02		
		15.00—16.00	0.02		
		16.00—17.30	Trace		
		17.30—24.00	Zero	Calm, NE	2.0
	Sept. 29	0.00— 7.30	Zero	NE	2.4
		7.30— 8.30	Trace		
50		8.30— 9.00	0.08		
		9.00— 9.30	0.11		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	9.30—10.00	0.14			2.4
	10.00—10.30	0.08			
	10.30—11.00	0.06			
	11.00—11.30	0.05			
	11.30—12.00	0.05	NE		
	12.00—12.30	0.04			
	12.30—13.00	0.03			
	13.00—13.30	0.02			
	13.30—14.00	0.04			
	14.00—15.00	0.02			
	15.00—15.30	0.03			
	15.30—16.00	Trace			
	16.00—17.00	Trace	NE		
	17.00—17.30	0.03			
	17.30—18.00	Zero			
20	18.30—19.30	0.02			6.0
	19.30—20.30	Trace			
	20.30—21.00	0.04			
	21.00—21.30	0.03			
	21.30—22.00	0.03	SE		
	22.00—22.30	0.04			
	22.30—23.00	Zero			
	23.00—23.30	0.05			
	23.30—24.00	0.08			
	30	Sept. 30 0.00— 0.30	0.09	E	
0.30— 1.00		0.03			
1.00— 1.30		0.03			
1.30— 2.00		0.02			
2.00— 4.30		Zero			
4.30— 5.30		0.02			
5.30— 6.00		0.04			
6.00— 7.00		0.03	E		
7.00— 7.30		0.05			
7.30— 8.00		0.02	E		
40	8.00—10.30	Trace	SE, SW		5.0—11.2 11.2
	10.30—11.00	0.04	SW		
	11.00—11.30	0.06			
	11.30—12.00	0.05			
	12.00—12.30	0.05			
	12.30—13.00	0.04			
	13.00—13.30	0.05			
	13.30—14.00	0.04			
	14.00—14.30	0.10	SW		
	14.30—15.00	0.13			
50	15.00—15.30	0.11			11.2

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	15.30—16.00	0.09		
	16.30—17.00	0.12		
	17.00—17.30	0.05		
	17.30—18.00	Trace	S	3.0
	18.00—24.00	Zero		
Oct. 1	0.00— 4.30	Zero	S	4.0
	4.30— 5.00	0.02	SW	8.0
	5.00— 9.00	Zero		
	9.00— 9.30	Trace		
	9.30—10.00	0.05		
	10.00—10.30	0.03		
	10.30—11.00	0.05		
	11.00—11.30	0.05		
20	11.30—12.00	0.08		
	12.00—13.00	0.03	SW	8.0
	13.00—14.00	0.03		
	14.00—14.30	0.05		
	14.30—15.00	0.07		
	15.00—15.30	0.05		
	15.30—16.00	0.10		
	16.00—16.30	0.05		
	16.30—17.00	0.11		
	17.00—17.30	0.09	SW	8.0
30	17.30—18.00	0.04		
	18.00—18.30	0.02		
	18.30—19.00	0.03		
	19.00—19.30	0.02		
	19.30—20.30	Zero		
	20.30—21.30	0.03		
	21.30—22.00	0.04		
	22.00—23.00	0.03		
	23.00—23.30	Trace	SW	8.0
	23.30—24.00	Zero		
40	Oct. 2 0.00—24.00	Zero	W, NW, NE	4.0—11.0
	Oct. 3 0.00—24.00	Zero	NE, E	11.4—2.7
	Oct. 4 0.00— 7.30	Zero	E	2.4
	7.30— 8.00	0.05		
	8.00— 8.30	0.08	SE	5.5
	8.30— 9.00	0.04		
	9.00— 9.30	0.06		
	9.30—10.00	0.04		
	10.00—10.30	0.02		
	10.30—11.30	Trace	NE	10.5
50	11.30—21.00	Zero	NE, E	10.5—6.0
	21.00—22.00	0.02		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10 Oct. 5	22.00—23.00	0.03	SE	4.8	
	23.00—23.30	0.05	SE	4.8	
	23.30—24.00	0.07			
	0.00— 0.30	0.09	E	5.0	
	0.30— 1.00	0.04			
	1.00— 2.00	0.04			
	2.00— 2.30	0.05	SE	4.4	
	2.30— 3.00	0.08			
	3.00— 3.30	0.07			
	3.30— 4.00	0.08			
	4.00— 4.30	0.08			
	4.30— 5.00	0.07			
	5.00— 5.30	0.04			
	5.30— 6.00	0.03			
	6.00— 6.30	0.08	SE	4.4	
	6.30— 7.00	0.05			
	7.00— 7.30	0.07			
7.30— 8.00	0.03				
8.00— 8.30	0.10				
8.30— 9.00	0.10				
9.00— 9.30	0.22				
9.30—10.00	0.08	S	4.0		
10.00—10.30	0.07				
10.30—11.00	0.10				
11.00—11.30	0.13				
11.30—12.00	0.16				
12.00—12.30	0.15				
12.30—13.00	0.15				
13.00—13.30	0.08	NE	7.2		
13.30—14.00	0.09				
14.00—14.30	0.08				
14.30—15.00	0.06				
15.00—15.30	0.03				
15.30—16.30	0.03				
16.30—17.30	0.02	E	4.0		
17.30—18.30	Trace				
18.30—19.30	Zero				
19.30—22.00	Trace				
22.00—22.30	0.04				
22.30—23.00	0.05				
23.00—23.30	0.04				
23.30—24.00	0.02				
50 Oct. 6	0.00— 0.30	0.02	E	2.0	
	0.30— 3.00	Zero			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		3.00— 4.30	Trace		
		4.30— 5.30	Zero		
		5.30— 6.00	Trace		
		6.00— 6.30	0.02		
		6.30— 7.00	Trace		
		7.00— 7.30	Zero		
		7.30—10.00	Trace		
		10.00—11.30	Zero	NE	4.5
		11.30—12.30	Trace		
		12.30—16.00	Zero		
		16.00—17.30	0.02		
		17.30—24.00	Zero	NE	4.5
20	Oct. 7	0.00— 4.00	Zero	NE, E	3.0—4.0
		4.00— 4.30	0.04	E	4.0
		4.30— 5.00	0.07		
		5.00— 5.30	0.05		
		5.30— 6.00	0.08		
		6.00— 6.30	0.06		
		6.30— 7.00	0.09	E	4.0
		7.00— 7.30	0.04	E	4.0
		7.30— 8.00	0.05		
		8.00— 8.30	0.06		
		8.30— 9.00	0.09		
30		9.00— 9.30	0.11	SE	8.0
		9.30—10.00	0.07		
		10.00—10.30	0.05		
		10.30—11.00	0.09		
		11.00—11.30	0.06		
		11.30—12.00	0.05		
		12.00—12.30	0.06		
		12.30—13.00	0.04		
		13.00—15.30	0.02		
		15.30—16.00	Trace		
40		16.00—17.00	0.03		
		17.00—17.30	0.04	SE	8.0
		17.30—18.00	0.07		
		18.00—18.30	0.04		
		18.30—19.00	0.02		
		19.00—19.30	0.06		
		19.30—20.00	0.13		
		20.00—20.30	0.21		
		20.30—21.00	0.14		
		21.00—21.30	0.16		
50		21.30—22.00	0.14		
		22.00—22.30	0.10		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>		
10	Oct. 8	22.30—23.00	0.16	W	12.0		
		23.00—23.30	Trace				
		23.30—24.00	Zero				
		0.00— 4.30	Zero	W	2.5		
		4.30— 5.00	0.08	SW	4.0		
		5.00— 5.30	0.12				
		5.30— 6.00	0.09				
		6.00— 6.30	0.04				
		6.30— 7.30	Trace	SW, SE	4.0—5.3		
		7.30— 9.00	0.03	SE	5.3		
		9.00—10.00	0.02				
		10.00—11.00	0.04				
		11.00—12.00	0.02				
		12.00—13.00	0.03				
20		13.00—14.00	0.04	S	4.0		
		14.00—14.30	0.05				
		14.30—15.00	0.10				
		15.00—16.00	0.05				
		16.00—16.30	0.04				
		16.30—17.00	0.03	W	5.5		
		17.00—17.30	0.05				
		17.30—18.00	Trace				
		18.00—19.30	Zero				
		19.30—20.00	Trace				
30		20.00—20.30	0.08				
		20.30—21.00	0.14				
		21.00—21.30	0.09	SW	8.0		
		21.30—22.00	0.08				
		22.00—22.30	0.08				
		22.30—23.00	0.09				
		23.00—24.00	0.05				
		Oct. 9	0.00— 0.30	0.10	SW	17.0	
		40		0.30— 1.00	0.11		
				1.00— 1.30	0.05		
1.30— 2.00	0.05						
2.00— 2.30	0.10			SW	17.0		
2.30— 3.00	0.12						
3.00— 3.30	0.09						
3.30— 4.00	0.09						
4.00— 4.30	0.06						
4.30— 5.00	0.10						
5.00— 5.30	0.06						
50		5.30— 6.00	0.07				
		6.00— 6.30	0.05				
		6.30— 7.00	0.05	SW	17.0		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	7.00— 7.30	0.08		
	7.30— 8.00	0.06		
	8.00— 8.30	0.05		
	8.30— 9.00	0.04		
	9.00—10.00	0.04		
	10.00—11.00	0.03		
	11.00—11.30	0.04		
	11.30—12.00	0.03		
	12.00—12.30	0.05		
	12.30—13.00	Trace	SW	17.0
	13.00—14.00	Zero		
	14.00—14.30	0.27		
	14.30—15.00	0.25		
20	15.00—15.30	0.20		
	15.30—16.00	0.22		
	16.00—16.30	0.13		
	16.30—17.00	0.10		
	17.00—17.30	0.07		
	17.30—18.00	0.05		
	18.00—18.30	0.03		
	18.30—19.00	0.03	W	16.0
	19.00—20.00	Trace		
	20.00—22.00	Zero		
30	22.00—22.30	Trace		
	22.30—23.00	0.07	SW	14.0
	23.00—23.30	0.05		
	23.30—24.00	0.04		
Oct. 10	0.00— 1.00	0.05	SW	16.0
	1.00— 1.30	0.04		
	1.30— 2.00	0.22		
	2.00— 2.30	0.19		
	2.30— 3.00	0.20		
40	3.00— 3.30	0.10		
	3.30— 4.00	0.09		
	4.00— 4.30	0.08		
	4.30— 5.00	0.11		
	5.00— 5.30	0.10		
	5.30— 6.00	0.11	SW	16.0
	6.00— 7.00	0.08		
	7.00— 7.30	0.06		
	7.30— 8.00	0.04		
	8.00— 8.30	0.03		
50	8.30—11.00	0.02		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
	11.00—11.30	0.04			
	11.30—12.30	0.03			
	12.30—13.00	0.02			
10	13.00—14.00	0.05			
	14.00—14.30	0.08			
	14.30—15.00	0.04			
	15.00—15.30	0.05	SW	16.0	
	15.30—16.00	0.07			
	16.00—16.30	0.09	SW	16.0	
	16.30—17.00	0.07			
	17.00—18.00	0.05			
	18.00—18.30	0.03			
	18.30—19.00	0.11			
20	19.00—19.30	0.12			
	19.30—20.00	0.16			
	20.00—20.30	0.12	SW	16.0	
	20.30—21.00	0.11			
	21.00—21.30	0.07			
	21.30—22.00	0.06			
	22.00—22.30	0.08			
	22.30—23.00	0.14			
	23.00—23.30	0.09			
	23.30—24.00	0.09	SW	16.0	
30	Oct. 11	0.00— 0.30	W	6.0	
		0.30— 1.00			
		1.00— 1.30			
		1.30— 2.00	S	4.5	
		2.00— 2.30			
		2.30— 3.00			
		3.00— 4.00			
		4.00— 4.30			
		4.30— 5.00			
		5.00— 5.30	S	4.5	
40		5.30— 6.00			
		6.00— 6.30			
		6.30— 7.00			
		7.00— 7.30	SE	4.0	
		7.30— 8.00			
		8.00— 8.30			
		8.30— 9.30	E	5.5	
		9.30—10.00			
		10.00—11.00			
50		11.00—12.00			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

*In the  
Supreme  
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Ontario  
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Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued*

Date	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
1948	12.00—12.30	0.08	SW	14.5	
	12.30—13.00	0.06			
	13.00—13.30	0.05			
	13.30—14.00	0.04			
	14.00—15.00	0.04			
	15.00—16.00	Trace			
	16.00—18.00	Trace			
	18.00—19.00	0.03	W	3.0	
	19.00—19.30	0.04			
	19.30—20.00	0.05			
	20.00—24.00	No Record	W, SW	3.0—7.6	
	Oct. 12	0.00— 8.00	No Record	SW, S	6.0—5.0—10.0
	20	8.00— 8.30	0.16	SW	10.0
		8.30— 9.00	0.12		
		9.00— 9.30	0.08		
		9.30—10.00	0.11		
		10.00—10.30	0.06		
		10.30—11.00	0.05		
		11.00—11.30	0.08	SW	10.0
		11.30—12.00	0.05		
12.00—12.30		0.07	W	12.5	
12.30—13.00		0.03			
30	13.00—13.30	0.04			
	13.30—14.00	0.04	W	12.5	
	14.00—14.30	0.02			
	14.30—15.00	0.04			
	15.00—16.00	0.02			
	16.00—16.30	0.04			
	16.30—17.00	0.09			
	17.00—17.30	0.12			
	17.30—18.00	0.12	SW	10.0	
	18.00—18.30	0.16			
40	18.30—19.00	0.13			
	19.00—19.30	0.08			
	19.30—20.00	0.10			
	20.00—20.30	0.17			
	20.30—21.00	0.25			
	21.00—21.30	0.11	W	8.0	
	21.30—22.00	0.07			
	22.00—23.00	0.03			
	23.00—23.30	0.02			
	23.30—24.00	0.06			
50	Oct. 13	0.00— 0.30	SW	10.5	
		0.30— 1.00			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	1.00— 1.30	0.10			
	1.30— 2.00	0.06			
	2.00— 2.30	0.07			
	2.30— 3.00	0.05			
	3.00— 3.30	0.03			
	3.30— 4.00	0.05			
	4.00— 4.30	0.07			
	4.30— 5.00	0.08			
	5.00— 5.30	0.08		SW	10.5
	5.30— 6.00	0.10			
	6.00— 6.30	0.09			
	6.30— 7.00	0.06			
	7.00— 7.30	0.11			
20	7.30— 8.00	0.11			
	8.00— 8.30	0.06			
	8.30— 9.00	0.08			
	9.00— 9.30	0.07			
	9.30—10.00	0.08			
	10.00—10.30	0.10			
	10.30—11.00	0.07			
	11.00—11.30	0.08		W	10.0
	11.30—12.00	0.06			
	12.00—12.30	0.04			
30	12.30—13.00	0.05			
	13.00—13.30	0.09			
	13.30—14.00	0.09			
	14.00—14.30	0.06			
	14.30—15.00	0.05		W	10.0
	15.00—15.30	0.02			
	15.30—16.00	0.04			
	16.00—17.00	0.03			
	17.00—17.30	0.05			
	17.30—18.30	0.03			
40	18.30—20.00	Trace	N	10.0	
	20.00—24.00	Zero			
Oct. 14	0.00—11.30	Zero	N, NW	7.7—7.8	
	11.30—13.00	0.04	NW	7.8	
	13.00—15.30	0.03			
	15.30—17.30	Trace			
Oct. 15	17.30—24.00	Zero	NW, N	7.8—7.2	
	0.00— 9.00	Zero	NE, E	4.0	
	9.00— 9.30	0.03	E	4.0	
	9.30—10.00	0.05			
50	10.00—10.30	0.05	SW	4.0	
	10.30—11.00	0.04			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
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No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Kutz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	11.00—11.30	0.04		
	11.30—12.00	0.08		
	12.00—12.30	0.07		
	12.30—13.00	0.06		
	13.00—13.30	0.05	NE	4.5
	13.30—14.00	0.07		
	14.00—14.30	0.05		
	14.30—15.30	0.03		
	15.30—16.30	Trace		
	16.30—21.30	Zero	E	7.0
	21.30—22.00	0.04	SE	7.0
	22.00—22.30	0.12		
	22.30—23.00	0.18		
20	23.00—23.30	0.14		
	23.30—24.00	0.16	SE	7.0
Oct. 16	0.00— 0.30	0.13	S	5.5
	0.30— 1.00	0.10		
	1.00— 1.30	0.08		
	1.30— 2.00	0.10		
	2.00— 2.30	0.07		
	2.30— 3.00	0.06		
	3.00— 3.30	0.04		
	3.30— 4.00	0.07		
30	4.00— 4.30	0.10		
	4.30— 5.00	0.14	S	5.5
	5.00— 5.30	0.14		
	5.30— 6.00	0.08		
	6.00— 6.30	0.10		
	6.30— 7.00	0.07		
	7.00— 7.30	0.07		
	7.30— 8.00	0.06		
	8.00— 8.30	0.06		
	8.30— 9.00	0.08	SW	12.8
40	9.00— 9.30	0.10		
	9.30—10.00	0.11		
	10.00—10.30	0.10		
	10.30—11.00	0.08		
	11.00—11.30	0.10		
	11.30—12.00	0.09		
	12.00—12.30	0.15		
	12.30—13.00	0.12	SW	12.8
	13.00—13.30	0.15		
	13.30—14.00	0.11		
50	14.00—14.30	0.22		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	14.30—15.00	0.17				
	15.00—15.30	0.11				
	15.30—16.00	0.08				
	16.00—16.30	0.10				
	16.30—17.00	0.16	SW	12.8		
	17.00—17.30	0.10	SW	12.8		
	17.30—18.00	0.05				
	18.00—19.00	0.04				
	19.00—20.00	0.04	W	5.0		
	20.00—21.00	0.04				
	21.00—22.00	0.05				
	22.00—22.30	0.06				
20	22.30—23.00	0.04				
	23.00—23.30	0.05				
	23.30—24.00	0.04	W	5.0		
	Oct. 17 0.00— 0.30	0.03	W	4.0		
	0.30— 1.00	Trace				
	1.00—16.00	Zero	N	5.7		
	16.00—16.30	0.05	W	5.7		
	16.30—17.00	0.10				
	17.00—17.30	0.06				
	17.30—18.00	0.05				
	18.00—18.30	0.03				
	18.30—19.00	Trace	N	10.00		
30	Oct. 18 19.00—24.00	Zero				
	0.00— 7.30	Zero	N	7.8		
	7.30— 8.00	0.05				
	8.00— 8.30	0.04				
	8.30—10.00	0.03				
	10.00—10.30	0.04				
	10.30—11.00	0.03				
	11.00—11.30	0.07				
	11.30—12.30	Trace				
	40	12.30—13.30	Zero			
		13.30—14.00	0.06			
		14.00—15.00	Trace	W	4.9	
15.00—17.00		Zero				
17.00—17.30		0.04				
17.30—20.30		Zero				
20.30—21.00		0.03				
21.00—21.30		0.05	W	4.9		
21.30—22.00		0.08				
22.00—22.30		0.07				
50		22.30—23.00	0.04			
		23.00—24.00	0.05	W	4.9	

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
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Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Oct. 19	0.00— 1.00	0.04	S	5.0
		1.00— 1.30	Zero		
		1.30— 2.00	0.08		
		2.00— 3.00	0.03		
		3.00— 3.30	0.03		
		3.30— 4.00	0.04		
		4.00— 4.30	0.10		
		4.30— 5.00	0.14		
		5.00— 5.30	0.05	S	5.0
		5.30— 6.00	0.08		
		6.00— 6.30	0.10		
		6.30— 7.00	0.27		
		7.00— 7.30	0.20		
20		7.30— 8.00	0.13	SW	12.5
		8.00— 8.30	0.16		
		8.30— 9.00	0.12		
		9.00— 9.30	0.15		
		9.30—10.00	0.19		
		10.00—10.30	0.17	SW	12.5
		10.30—11.00	0.15		
		11.00—11.30	0.16		
		11.30—12.00	0.17		
		12.00—12.30	0.13		
30		12.30—13.00	0.13		
		13.00—13.30	0.16		
		13.30—14.00	0.08	NW	8.0
		14.00—14.30	0.05		
		14.30—15.00	0.04		
		15.00—16.00	0.05		
		16.00—17.00	Trace	W	6.0
		17.00—24.00	Zero		
	Oct. 20	0.00— 8.30	Zero	W, NW	5.0—10.0
		8.30—10.30	0.04	NW, N	10.0—9.0
40		10.30—11.30	0.05	N	9.0
		11.30—12.00	0.06		
		12.00—12.30	0.04		
		12.30—13.30	0.06		
		13.30—15.00	0.04	NE	5.5
		15.00—17.00	0.03		
		17.00—17.30	0.04	NE	1.5
		17.30—20.30	Trace		
		20.30—21.00	0.04		
		21.00—22.30	0.05		
50		22.30—23.00	0.04		
		23.00—24.00	Trace	NE	1.5

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	Oct. 21	0.00— 0.30	Trace	NE	3.0	
		0.30— 7.00	Zero	NE, S	3.0	
		7.00— 7.30	Trace	S	3.0	
		7.30— 8.30	0.04			
		8.30— 9.00	0.05			
		9.00— 9.30	0.14			
		9.30—10.00	0.09			
		10.00—10.30	0.09	E	4.0	
		10.30—11.00	0.07			
		11.00—11.30	0.06			
20		11.30—12.00	0.05			
		12.00—14.00	0.03	E, NE	4.0—7.0	
		14.00—15.00	0.02	NE	7.0	
		15.00—15.30	Trace			
		15.30—16.00	0.04			
		16.00—17.00	0.03	NE, E	7.0—4.3	
		17.00—18.00	0.02	E	4.3	
		18.00—20.00	0.03			
		20.00—20.30	Trace			
		20.30—22.30	0.04			
30	Oct. 22.	22.30—23.00	0.06			
		23.00—23.30	0.07			
		23.30—24.00	0.08	E	4.3	
		0.00— 0.30	0.08	E	3.0	
		0.30— 1.00	0.07			
		1.00— 2.00	0.05			
		2.00— 2.30	0.04			
		2.30— 3.30	0.06			
		3.30— 4.00	0.08	Calm		
		4.00— 4.30	0.07			
40		4.30— 5.00	0.05			
		5.00— 5.30	0.08	Calm		
		5.30— 6.00	0.10			
		6.00— 6.30	0.11	E	2.0	
		6.30— 7.00	0.11			
		7.00— 7.30	0.12			
		7.30— 8.00	0.13	S	5.7	
		8.00— 8.30	0.16			
		8.30— 9.00	0.16			
		9.00—10.00	0.11			
50		10.00—11.00	0.10			
		11.00—11.30	0.08			
		11.30—12.00	0.07	S	5.7	
		12.00—12.30	0.08			
		12.30—13.00	0.05			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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Court of  
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Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	13.00—14.00	0.07		
	14.00—15.00	0.08		
	15.00—15.30	0.04	E	3.5
	15.30—17.00	0.05		
	17.00—18.00	0.04		
	18.00—19.00	0.06		
	19.00—19.30	0.03		
	19.30—20.00	0.02		
	20.00—20.30	0.03	S	4.5
	20.30—21.00	0.13		
	21.00—21.30	0.15		
	21.30—22.00	0.11		
	22.00—22.30	0.06	S	4.5
20	22.30—23.00	0.05		
	23.00—24.00	0.04		
Oct. 23	0.00— 0.30	0.08	S	6.6
	0.30— 1.00	0.13		
	1.00— 1.30	0.20		
	1.30— 2.00	0.31		
	2.00— 2.30	0.41		
	2.30— 3.00	0.37		
	3.00— 3.30	0.26	S	6.6
	3.30— 4.00	0.24		
30	4.00— 4.30	0.20		
	4.30— 5.00	0.20		
	5.00— 5.30	0.23		
	5.30— 6.00	0.20		
	6.00— 6.30	0.20		
	6.30— 7.00	0.21		
	7.00— 7.30	0.18		
	7.30— 8.00	0.15		
	8.00— 8.30	0.15	S	6.6
	8.30— 9.30	0.14		
40	9.30—10.00	0.13		
	10.00—10.30	0.13		
	10.30—11.00	0.15		
	11.00—11.30	0.14		
	11.30—12.00	0.18		
	12.00—12.30	0.26		
	12.30—13.00	0.18		
	13.00—13.30	0.12	SW	6.0
	13.30—14.00	0.11		
	14.00—14.30	0.10		
50	14.30—15.00	0.07		
	15.00—17.30	0.05	N	2.0

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	Oct. 24	17.30—18.30	0.04	N, NE	2.0—2.5	
		18.30—19.00	0.03	NE	2.5	
		19.00—19.30	0.05			
		19.30—20.00	0.04			
		20.00—20.30	0.03			
		20.30—21.30	0.05	NE	2.5	
		21.30—24.00	0.04			
20	Oct. 24	0.00— 1.30	0.04	N	1.5	
		1.30— 2.00	0.06			
		2.00— 4.00	Trace			
		4.00— 6.00	0.03			
		6.00— 7.30	0.05			
		7.30— 8.00	0.04			
		8.00— 9.00	0.05	NE	9.0	
		9.00—10.00	0.03			
		10.00—12.00	0.02			
		12.00—13.30	0.03			
		13.30—14.00	0.02			
		14.00—15.00	0.03	N	6.0	
		15.00—17.00	0.03			
30	Oct. 25	17.00—17.30	0.05			
		17.30—20.00	0.04			
		20.00—23.00	0.03	N	6.0	
		23.00—24.00	0.02			
		0.00— 1.30	0.02	N	5.0	
		1.30— 3.30	0.03			
		3.30— 7.00	Trace			
		7.00— 8.00	0.05			
		8.00— 9.30	0.04	NW	8.0	
		9.30—10.30	0.03			
40	Oct. 25	10.30—11.30	0.02			
		11.30—12.00	0.04			
		12.00—12.30	0.02			
		12.30—13.00	0.04	N	3.0	
		13.00—15.00	0.03			
		15.00—16.00	0.04			
		16.00—17.30	0.05			
		17.30—18.30	Trace			
		18.30—19.00	0.04	W	4.5	
		19.00—19.30	0.08			
50	Oct. 25	19.30—20.00	0.04			
		20.00—20.30	0.07			
		20.30—21.00	0.05	W	4.5	
		21.00—22.00	0.04			
		22.00—22.30	0.05			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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Charts, sul-  
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made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
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Dec., 1948  
Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.30—23.00	0.03		
		23.00—23.30	0.04	W	4.5
		23.30—24.00	Trace		
	Oct. 26	0.00— 0.30	0.08	W	5.2
		0.30— 1.00	0.09		
		1.00— 1.30	0.12		
		1.30— 2.00	0.06		
		2.00— 2.30	0.05		
		2.30— 3.00	0.07		
		3.00— 4.00	0.05	W	5.2
		4.00— 5.00	0.04		
		5.00— 6.30	0.05		
		6.30— 7.00	0.06		
20		7.00— 8.00	0.08		
		8.00— 8.30	0.08	S	6.0
		8.30— 9.00	0.10		
		9.00—10.00	0.10		
		10.00—11.00	0.08	W	5.0
		11.00—11.30	0.12		
		11.30—12.30	0.08		
		12.30—15.00	0.05	N	5.0
		15.00—15.30	0.03	W	5.0
		15.30—16.30	0.08		
30		16.30—17.00	0.06	W	5.0
		17.00—17.30	0.04	S	7.5
		17.30—18.30	0.03		
		18.30—20.30	0.05		
		20.30—22.00	0.08	W	5.0
		22.00—23.00	0.05		
		23.00—24.00	0.04		
	Oct. 27	0.00— 1.00	0.03	W	3.6
		1.00— 1.30	0.08		
		1.30— 2.00	0.04		
40		2.00— 3.00	Trace		
		3.00— 5.30	Zero	W	3.6
		5.30— 6.00	0.02		
		6.00— 7.00	0.03		
		7.00— 7.30	0.05		
		7.30— 8.00	0.11		
		8.00— 8.30	0.07		
		8.30— 9.00	0.10		
		9.00— 9.30	0.13	W	3.6
		9.30—10.00	0.12		
50		10.00—11.00	0.08		
		11.00—12.30	0.07		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10	12.30—14.00	0.05			
	14.00—15.30	0.04			
	15.30—17.00	0.05	W	3.6	
	17.00—17.30	0.03			
	17.30—18.00	0.05			
	18.00—19.00	0.05			
	19.00—20.00	0.06			
	20.00—21.00	0.04	W	3.6	
	21.00—22.00	0.02			
	22.00—24.00	Trace			
Oct. 28	0.00— 2.00	Trace	W	2.6	
	2.00— 2.30	0.03			
20	2.30— 5.00	Trace			
	5.00— 6.30	0.03			
	6.30— 7.00	Zero			
	7.00— 7.30	0.04	W	2.6	
	7.30— 8.00	Trace			
	8.00— 8.30	0.04			
	8.30— 9.30	0.06			
	9.30—10.00	0.08			
	10.00—11.00	0.07			
	11.00—11.30	0.08	W	2.6	
30	11.30—13.00	0.06			
	13.00—13.30	0.04			
	13.30—16.30	0.06			
	16.30—17.30	0.05			
	17.30—20.00	Trace	SW	3.0	
	20.00—21.00	0.04			
	21.00—22.00	0.03	SW	3.0	
	22.00—24.00	Trace			
Oct. 29	0.00— 0.30	0.04	SW	1.0	
	0.30— 2.30	Trace			
40	2.30— 3.00	0.02			
	3.00— 4.00	Trace			
	4.00— 4.30	0.05	SW	1.0	
	4.30— 5.00	0.04			
	5.00— 6.00	Trace			
	6.00— 7.00	Zero			
	7.00— 7.30	0.02			
	7.30— 8.00	0.03	NE	7.0	
	8.00— 9.00	0.02			
	9.00—10.00	0.03			
50	10.00—12.00	0.04			
	12.00—13.30	0.03			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Continued

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	13.30—15.00	0.04		
	15.00—18.00	Trace	E	5.0
	18.00—24.00	Zero		
Oct. 30	0.00— 9.00	Zero	E	2.4
	9.00— 9.30	Trace		
	9.30—10.30	0.03		
	10.30—11.30	0.02		
	11.30—12.00	0.03	E	2.4
	12.00—13.00	0.06		
	13.00—13.30	Trace		
	13.30—15.00	0.04		
	15.00—16.00	0.03	N	3.0
	16.00—17.00	0.02	E	1.5
20	17.00—17.30	0.04		
	17.30—20.00	Zero		
	20.00—21.30	Trace	E	1.5
	21.30—22.00	0.03		
	22.00—24.00	0.07		
Oct. 31	0.00— 2.00	0.06	E	1.5
	2.00— 3.00	0.05		
	3.00— 4.00	0.07		
	4.00— 5.00	0.10		
	5.00— 5.30	0.12		
30	5.30— 6.00	0.17		
	6.00— 6.30	0.11	E	1.5
	6.30— 7.00	0.18		
	7.00— 7.30	0.19		
	7.30— 8.00	0.10		
	8.00— 8.30	0.08		
	8.30— 9.00	0.06		
	9.00—10.00	0.05	E	1.5
	10.00—10.30	0.08		
	10.30—12.00	0.10		
40	12.00—13.00	0.06	N	1.5
	13.00—14.00	0.05		
	14.00—15.00	0.04		
	15.00—17.30	0.05	N	1.5
	17.30—18.30	0.04		
	18.30—19.00	0.07		
	19.00—19.30	0.06		
	19.30—20.00	0.04	N	1.5
	20.00—20.30	0.06		
	20.30—21.00	0.08		
50	21.00—22.30	0.06	N	1.5
	22.30—23.00	0.04		
	23.00—24.00	0.05		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Nov. 1	0.00— 0.30	0.07		
	0.30— 1.00	0.04		
	1.00— 2.00	0.08		
	2.00— 3.00	0.06		
	3.00— 3.30	0.08		
	3.30— 6.00	0.05		
	6.00— 7.30	0.04		
	7.30— 8.00	0.08		
	8.00— 8.30	0.06	N	2.4
	8.30— 9.00	0.09		
Nov. 2	9.00—11.30	0.05	N, W	2.4—4.7
	11.30—12.30	0.06	W, N	2.5—2.4
	12.30—16.00	0.05	N	2.5
	16.00—17.00	0.04	N, E	2.5—2.4
	17.00—17.30	0.06	E	2.4
	17.30—18.00	0.04		
	18.00—19.00	0.03		
	19.00—21.30	0.03		
	21.30—22.30	0.02		
	22.30—24.00	Trace	E	2.4
Nov. 3	0.00— 1.00	Trace	E	5.0
	1.00— 7.00	Zero		
	7.00—13.00	Trace		
	13.00—14.30	0.04		
	14.30—16.30	0.03		
	16.30—20.00	Trace		
	20.00—20.30	0.04		
	20.30—21.00	0.13	SE	6.0
	21.00—21.30	0.08		
	21.30—22.00	0.05	S	4.0
22.00—22.30	0.05			
22.30—24.00	Trace			
Nov. 3	0.00— 0.30	0.07	S	3.0
	0.30— 1.00	0.04		
	1.00— 1.30	0.05		
	1.30— 4.30	Trace		
	4.30— 7.30	Zero	E	3.0
	7.30— 8.00	0.04		
	8.00— 8.30	0.10		
	8.30— 9.00	0.10	SE	6.0
	9.00— 9.30	0.06		
	9.30—10.30	0.05		
10.30—11.00	0.02			
11.00—11.30	0.06			

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## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	11.30—12.00	0.07		
	12.00—12.30	0.06		
	12.30—13.00	0.05	NE	8.0
	13.00—14.30	Trace		
	14.30—15.00	Zero		
	15.00—15.30	0.03	SE	6.0
	15.30—16.00	0.05		
	16.00—16.30	0.08	SE	6.0
	16.30—17.00	0.06		
	17.00—18.00	0.05		
	18.00—19.00	0.06		
	19.00—19.30	0.08		
	19.30—20.00	0.10	SE	6.0
20	20.00—20.30	0.08		
	20.30—22.00	0.06		
	22.00—22.30	0.07		
	22.30—23.00	0.18		
	23.00—23.30	0.13	S	6.0
	23.30—24.00	0.10		
Nov. 4	0.00— 0.30	0.08	S	7.6
	0.30— 1.00	0.05		
	1.00— 1.30	0.07		
	1.30— 2.30	0.07		
30	2.30— 3.00	0.05		
	3.00— 4.30	0.06		
	4.30— 6.30	0.06	S	7.6
	6.30— 7.00	0.05		
	7.00— 7.30	0.06		
	7.30— 8.00	0.08		
	8.00— 8.30	0.16		
	8.30— 9.00	0.10		
	9.00—10.00	0.07	SW	10.6
	10.00—12.00	0.06		
40	12.00—12.30	0.08		
	12.30—14.00	0.09		
	14.00—14.30	0.11		
	14.30—15.00	0.10		
	15.00—16.00	0.09		
	16.00—16.30	0.08		
	16.30—17.30	0.06		
	17.30—18.00	Trace		
	18.00—19.00	Zero	SW, S	10.6—4.5
	19.00—19.30	Trace	S	4.5
50	19.30—20.30	0.05		
	20.30—23.00	0.03		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
		23.00—23.30	0.02			
		23.30—24.00	0.10			
10	Nov. 5	0.00— 0.30	0.10	S	7.0	
		0.30— 1.00	0.12			
		1.00— 1.30	0.21			
		1.30— 2.00	0.20			
		2.00— 2.30	0.16			
		2.30— 3.00	0.12	SE	9.3	
		3.00— 3.30	0.08			
		3.30— 4.00	0.10			
		4.00— 4.30	0.12			
		4.30— 5.00	0.10			
		5.00— 5.30	0.18			
20		5.30— 6.00	0.13			
		6.00— 6.30	0.14	SE	9.3	
		6.30— 7.00	0.10			
		7.00— 7.30	0.13			
		7.30— 8.00	0.15			
		8.00— 8.30	0.16			
		8.30— 9.00	0.18			
		9.00— 9.30	0.15			
		9.30—10.00	0.11	SE	9.3	
		10.00—10.30	0.07	SE	9.3	
30		10.30—11.00	0.10			
		11.00—11.30	0.08			
		11.30—12.00	0.10			
		12.00—12.30	0.07			
		12.30—13.00	0.05			
		13.00—13.30	0.04			
		13.30—14.00	0.09			
		14.00—14.30	0.04	NE	8.0	
		14.30—15.00	Trace			
		15.00—16.00	Zero	SE	10.0	
40		16.00—16.30	Zero			
		16.30—18.00	Trace			
		18.00—20.30	0.05			
		20.30—21.30	0.09			
		21.30—23.30	0.05	SE, S	10.0—18.0	
		23.30—24.00	0.10	S	18.0	
	Nov. 6	0.00— 0.30	0.21	S	13.0	
		0.30— 1.00	0.16			
		1.00— 1.30	0.18			
		1.30— 2.00	0.10			
50		2.00— 2.30	0.08			
		2.30— 4.00	0.07			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
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Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	4.00— 4.30	0.06		
	4.30— 5.30	0.04	S, SW	13.0—16.3
	5.30— 6.30	0.03	SW	16.3
	6.30— 7.30	0.03		
	7.30— 8.00	0.07		
	8.00— 9.30	0.06		
	9.30—10.30	0.06		
	10.30—11.30	0.05		
	11.30—12.00	0.06		
	12.00—13.00	Trace	SW	16.3
	13.00—14.00	0.05		
	14.00—15.30	0.06		
	15.30—16.00	0.05		
20	16.00—17.30	0.07		
	17.30—18.30	0.05		
	18.30—19.30	0.02		
	19.30—20.00	0.05		
	20.00—21.00	No Record	SW	16.3
	21.00—24.00	Zero		
Nov. 7	0.00— 5.00	Zero	SW	12.3
	5.00— 6.00	0.08		
	6.00— 6.30	0.09		
	6.30— 7.00	0.06		
30	7.00— 7.30	0.06		
	7.30— 8.30	0.05		
	8.30— 9.30	Trace		
	9.30—16.30	Zero		
	16.30—18.00	0.04		
	18.00—19.00	0.05		
	19.00—19.30	0.06		
	19.30—20.30	0.08		
	20.30—21.30	0.06		
	21.30—23.00	0.05	SW, W	12.3—10.0
40	23.00—23.30	0.04	W	10.0
	23.30—24.00	Trace		
Nov. 8	0.00— 2.00	Trace	W	5.5
	2.00— 3.00	Zero		
	3.00— 4.00	0.03		
	4.00— 5.00	Trace	W, SW	5.5—4.3
	5.00— 5.30	0.06	SW	4.3
	5.30— 6.00	0.05		
	6.00— 9.00	Zero	SW, S	4.3—5.0
	9.00—10.00	0.03	S	5.0
50	10.00—10.30	0.07	SW	5.0
	10.30—12.00	0.05		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
	12.00—14.00	0.04	SW, NE	5.0—7.0	
	14.00—16.30	Zero	NE	7.0	
	16.30—17.30	0.03	E	5.0	
10	17.30—19.00	Zero			
	19.00—20.00	Trace			
	20.00—21.00	0.03			
	21.00—22.00	Trace			
	22.00—22.30	0.03	S	8.5	
	22.30—23.00	0.05			
	23.00—23.30	0.09			
	23.30—24.00	0.20			
Nov. 9	0.00— 0.30	0.24	S	8.6	
	0.30— 1.00	0.17			
20	1.00— 1.30	0.13			
	1.30— 2.00	0.09			
	2.00— 2.30	0.08			
	2.30— 3.00	0.06			
	3.00— 3.30	0.06			
	3.30— 4.00	0.08			
	4.00— 4.30	0.08	S	8.6	
	4.30— 5.00	0.10			
	5.00— 5.30	0.07			
	5.30— 6.00	0.10			
30	6.00— 6.30	0.09			
	6.30— 7.00	0.11			
	7.00— 7.30	0.09			
	7.30— 8.00	0.10			
	8.00— 8.30	0.11	S	8.6	
	8.30— 9.00	0.15			
	9.00—10.00	0.12			
	10.00—11.00	0.12			
	11.00—12.00	0.10			
	12.00—12.30	0.08			
40	12.30—14.00	0.11			
	14.00—15.00	0.09			
	15.00—15.30	0.09			
	15.30—17.30	0.08			
	17.30—18.00	0.20			
	18.00—18.30	0.23			
	18.30—19.30	0.05			
	19.30—20.00	0.08			
	20.00—21.30	0.05			
	21.30—22.00	0.09			
50	22.00—22.30	0.12			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Continued

	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.30—23.30	0.08	S	8.6
		23.30—24.00	0.14		
	Nov. 10	0.00— 1.00	0.04	S	13.4
		1.00— 2.00	0.07		
		2.00— 3.30	0.05		
		3.30— 4.00	0.10	SW	16.0
		4.00— 5.00	0.05		
		5.00— 6.00	Zero		
		6.00— 7.00	Trace		
		7.00— 8.00	0.06		
		8.00— 8.30	0.05		
		8.30— 9.00	Trace		
		9.00—10.00	0.05		
20		10.00—10.30	Trace	SW	16.0
		10.30—11.00	0.05		
		11.00—11.30	0.07		
		11.30—13.30	0.05		
		13.30—14.30	0.08		
		14.30—15.30	0.10		
		15.30—16.00	0.13	W	7.8
		16.00—16.30	0.05		
		16.30—17.00	0.04		
		17.00—18.00	0.05		
30		18.00—22.00	Zero		
		22.00—22.30	Trace		
		22.30—23.30	0.04		
		23.30—24.00	0.06	W	7.8
	Nov. 11	0.00— 0.30	Trace	W	4.5
		0.30— 2.30	Zero		
		2.30— 3.30	0.05		
		3.30— 4.30	0.04		
		4.30— 5.00	0.03		
		5.00— 6.00	Trace	S	6.0
40		6.00— 7.00	0.04		
		7.00— 8.00	0.09	S, SW	6.0—13.4
		8.00— 9.00	0.10	SW	13.4
		9.00—10.00	0.08		
		10.00—11.00	0.06		
		11.00—11.30	0.09		
		11.30—13.00	0.08		
		13.00—15.00	0.06		
		15.00—16.00	0.07		
		16.00—16.30	0.05		
50		16.30—17.00	0.08	SW	13.4
		17.00—17.30	0.15		
		17.30—18.00	0.09		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	18.00—18.30	0.08				
	18.30—19.30	0.05				
	19.30—20.30	0.03				
	20.30—21.00	0.05				
	21.00—21.30	0.06				
	21.30—22.00	0.05	W	8.0		
	22.00—23.00	Trace				
	23.00—24.00	Zero				
	Nov. 12	0.00— 2.00	0.04	SW	5.5	
		2.00— 3.30	0.03			
	3.30— 4.30	Trace				
	4.30— 5.00	0.04				
	5.00— 5.30	0.05				
20	5.30— 6.30	0.04	SW, S	5.5		
	6.30— 8.30	Zero	S	5.5		
	8.30— 9.00	0.08	S	5.5		
	9.00— 9.30	0.10				
	9.30—10.00	0.20				
	10.00—11.00	0.10				
	11.00—11.30	0.08				
	11.30—12.00	0.11				
	12.00—12.30	0.13				
	12.30—13.30	0.08				
30	13.30—14.30	0.08				
	14.30—15.30	0.07				
	15.30—17.00	0.06				
	17.00—17.30	0.08				
	17.30—18.30	0.10				
	18.30—19.00	0.13				
	19.00—23.00	0.06	S, SW	5.5—16.5		
	23.00—23.30	0.12	SW	16.5		
	23.30—24.00	0.14				
	Nov. 13	0.00— 0.30	0.09	SW	12.3	
40	0.30— 1.00	0.04				
	1.00— 2.00	0.06				
	2.00— 3.00	0.05				
	3.00— 4.00	0.03				
	4.00— 4.30	0.07				
	4.30— 5.00	0.15				
	5.00— 5.30	0.10				
	5.30— 6.30	0.07				
	6.30— 7.00	0.05				
	7.00— 7.30	0.08				
50	7.30— 8.00	0.05	W	14.4		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		8.00— 9.30	0.03		
		9.30—10.30	Trace		
		10.30—24.00	Zero		
	Nov. 14	0.00— 2.00	Zero	W	8.0
		2.00— 4.30	Trace	SW	8.0
		4.30— 6.30	0.04		
		6.30— 7.00	Trace		
		7.00— 7.30	0.07		
		7.30— 8.00	0.04	W	8.0
		8.00— 9.00	0.06		
		9.00—11.00	0.05	W, SW	8.0—7.0
		11.00—13.30	0.04	SW	7.0
		13.30—15.00	Trace	S	5.0
20		15.00—16.00	0.04		
		16.00—16.30	0.05		
		16.30—18.00	0.10	S, SE	5.0
		18.00—18.30	0.05	SE	5.0
		18.30—20.00	Trace		
		20.00—23.00	0.04	SE, W	5.0
		23.00—24.00	Trace	W	5.0
	Nov. 15	0.00— 2.00	Trace	W	8.3
		2.00— 2.30	0.04		
		2.30— 3.00	Trace		
30		3.00— 4.00	0.05		
		4.00— 6.00	Trace		
		6.00— 7.30	0.04		
		7.30— 8.30	0.06	W	8.3
		8.30— 9.00	0.08	W	8.3
		9.00—10.00	0.02		
		10.00—10.30	0.05		
		10.30—11.30	0.04		
		11.30—13.30	0.04		
		13.30—14.30	Zero		
40		14.30—15.00	Trace		
		15.00—17.00	0.05		
		17.00—17.30	0.04		
		17.30—24.00	Zero	W	8.3
	Nov. 16	0.00— 5.00	Zero	W	3.0
		5.00— 6.00	Trace	W, S	3.0—7.4
		6.00— 7.00	0.04	S	7.4
		7.00— 8.30	0.05		
		8.30— 9.00	0.07		
		9.00— 9.30	0.18		
50		9.30—10.00	0.08		
		10.00—10.30	0.10		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.			
10	10.30—11.30	0.05	S	7.4			
	11.30—12.00	0.06					
	12.00—12.30	0.08					
	12.30—13.30	0.06					
	13.30—14.00	0.10					
	14.00—14.30	0.13					
	14.30—15.00	0.15					
	15.00—15.30	0.10					
	15.30—16.00	0.08					
	16.00—16.30	0.10					
	16.30—17.00	0.14					
	17.00—17.30	0.02					
	17.30—18.30	0.08					
	18.30—19.00	0.13					
20	19.00—19.30	0.15	SE	10.5			
	19.30—20.00	0.23					
	20.00—20.30	0.10					
	20.30—21.00	0.08					
	21.00—21.30	0.10					
	21.30—23.00	0.05					
	23.00—23.30	0.07					
	23.30—24.00	0.12					
	Nov. 17	0.00— 0.30			0.30	SE	10.5
	30	0.30— 1.00			0.25	SW	19.3
		1.00— 1.30			0.12	SW	19.3
		1.30— 2.00			0.10		
		2.00— 3.30			0.06		
		3.30— 4.00			0.03		
4.00— 6.00		Zero					
6.00— 6.30		0.03					
6.30— 7.00		0.09					
7.00— 7.30		0.11					
7.30— 8.00		0.05					
40		8.00— 9.30	0.03	SW	19.3		
		9.30—14.30	Zero				
		14.30—15.00	0.05				
		15.00—16.00	0.09				
	16.00—16.30	0.06					
	16.30—17.00	0.08					
	17.00—18.00	0.05					
	18.00—18.30	0.03					
	18.30—20.00	0.08					
	20.00—21.00	0.05					
	50	21.00—22.00	0.04			SW	19.3
		22.00—24.00	Zero				

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## EXHIBIT No. 157 (Continued)

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	Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Nov. 18	0.00— 1.00	Zero	W	6.0
		1.00— 1.30	0.04		
		1.30— 2.00	0.07		
		2.00— 4.00	0.04		
		4.00— 5.00	0.05		
		5.00— 6.00	0.04		
		6.00— 7.00	0.06		
		7.00— 8.30	Trace	S	4.5
		8.30— 9.30	0.04		
		9.30—10.00	0.06		
		10.00—10.30	0.08		
		10.30—11.30	0.10		
		11.30—12.00	0.08		
20		12.00—12.30	0.10		
		12.30—13.00	0.08		
		13.00—13.30	0.05		
		13.30—14.00	0.09		
		14.00—14.30	0.07		
		14.30—16.00	0.05	E	5.7
		16.00—17.00	0.09		
		17.00—17.30	0.12		
		17.30—20.00	0.04		
		20.00—22.00	Zero		
30		22.00—24.00	0.04		
	Nov. 19	0.00— 1.30	Trace	E	6.0
		1.30— 2.00	Zero		
		2.00— 2.30	0.06		
		2.30— 3.30	0.08		
		3.30— 5.00	0.10		
		5.00— 5.30	0.05		
		5.30— 6.30	0.08		
		6.30— 7.00	0.10		
		7.00— 7.30	0.12	E	6.0
40		7.30— 8.00	0.10		
		8.00—10.00	0.04		
		10.00—10.30	Trace		
		10.30—11.00	Zero		
		11.00—12.30	0.04		
		12.30—14.00	Zero		
		14.00—14.30	0.05		
		14.30—15.00	0.02		
		15.00—24.00	Zero	E, NE	6.0—12.6
	Nov. 20	0.00— 4.00	Zero	NE, W	11.0—10.0
50		4.00— 5.30	Trace	W	10.0
		5.30— 6.00	0.04		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
	6.00— 6.30	0.07			
	6.30— 7.30	0.03			
	7.30— 8.00	0.06			
10	8.00— 9.00	0.04			
	9.00—10.00	0.05			
	10.00—10.30	0.07	SW	14.0	
	10.30—11.00	0.02	SW	14.0	
	11.00—12.00	Zero			
	12.00—13.00	Trace			
	13.00—14.00	Trace			
	14.00—14.30	0.05			
	14.30—15.00	Trace			
	15.00—16.30	0.04			
20	16.30—17.00	0.05			
	17.00—18.00	0.06			
	18.00—24.00	Zero	SW, W	14.0—6.0	
Nov. 21	0.00— 1.30	Zero	W	9.0	
	1.30— 6.30	Trace	W, SW	9.0—10.0	
	6.30— 7.00	0.03	SW	10.0	
	7.00— 7.30	0.06			
	7.30— 8.00	0.04			
	8.00— 9.30	Trace	SW, W	10.0	
	9.30—12.00	Zero	W	10.0	
30	12.00—13.00	0.04			
	13.00—13.30	0.05	SW	5.0	
	13.30—17.00	Trace			
	17.00—17.30	0.04			
	17.30—24.00	Zero	SW	5.0	
Nov. 22	0.00— 3.30	Zero	SW, S	3.0—4.5	
	3.30— 4.00	0.05	S	4.5	
	4.00— 5.00	Zero	S, SE	4.5—3.0	
	5.00— 5.30	0.05	SE	3.0	
	5.30— 6.00	0.08			
40	6.00— 6.30	0.10			
	6.30— 7.30	0.09	SE, E	3.0—4.0	
	7.30— 8.30	0.05	E	4.0	
	8.30— 9.30	0.03			
	9.30—10.00	0.05			
	10.00—11.30	0.10	E, S	4.0—7.0	
	11.30—12.00	0.15	S	7.0	
	12.00—12.30	0.08			
	12.30—13.00	0.06			
	13.00—14.30	0.05			
50	14.30—15.00	0.03			
	15.00—15.30	0.07			
	15.30—16.00	0.05			

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Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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house by  
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Date	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	16.00—16.30	0.10		
	16.30—17.30	0.09		
	17.30—18.30	Trace	W	10.0
	18.30—19.00	0.05		
	19.00—19.30	0.10		
	19.30—21.00	0.06		
	21.00—21.30	0.03		
	21.30—24.00	Zero	W	10.0
Nov. 23	0.00— 7.30	Zero	W	11.0
	7.30— 8.30	Trace		
	8.30—17.00	Zero	W, NW	11.0—5.0
	17.00—17.30	0.04	W	5.0
	17.30—18.30	0.02		
20	18.30—21.00	Trace		
	21.00—22.00	0.04		
	22.00—24.00	Trace	W	5.0
Nov. 24	0.00— 1.30	Trace	W	3.4
	1.30—10.00	Zero	W, S	3.4—3.0
	10.00—10.30	Trace	S	3.0
	10.30—11.00	Zero		
	11.00—11.30	Trace		
	11.30—13.00	0.03		
	13.00—13.30	Trace		
30	13.30—22.00	Zero		
	22.00—22.30	Trace		
	22.30—24.00	0.04	S	3.0
Nov. 25	0.00— 1.30	Trace	S	2.0
	1.30— 4.00	0.04		
	4.00— 4.30	Trace		
	4.30— 5.30	0.03	W	3.0
	5.30— 9.30	Zero	W, S	3.0—5.0
	9.30—10.00	0.06	S	5.0
	10.00—10.30	0.09		
40	10.30—11.30	0.05		
	11.30—12.30	0.06	SW	12.0
	12.30—13.00	0.08		
	13.00—13.30	0.10		
	13.30—14.00	0.07		
	14.00—15.00	0.05		
	15.00—15.30	0.03		
	15.30—16.30	0.08		
	16.30—17.00	0.03		
	17.00—17.30	Trace		
50	17.30—18.00	0.04		
	18.00—18.30	Zero		
	18.30—19.00	0.05		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
	19.00—20.30	0.10			
	20.30—21.00	0.15			
	21.00—21.30	0.08			
10	21.30—22.00	0.06			
	22.00—23.00	0.04	S	6.0	
	23.00—24.00	0.04			
Nov. 26	0.00— 0.30	0.03	S	7.5	
	0.30— 1.00	0.06			
	1.00— 1.30	0.08			
	1.30— 2.00	0.05			
	2.00— 2.30	0.09			
	2.30— 3.00	0.06			
	3.00— 4.00	0.04			
20	4.00— 4.30	0.07	S	7.5	
	4.30— 5.00	0.03			
	5.00— 5.30	0.08			
	5.30— 6.00	0.22			
	6.00— 6.30	0.14			
	6.30— 7.00	0.10			
	7.00— 7.30	0.06			
	7.30— 9.30	0.05			
	9.30—10.30	0.04	SW	11.8	
	10.30—12.00	Trace			
30	12.00—13.00	Trace			
	13.00—14.30	0.05			
	14.30—15.30	0.07			
	15.30—16.00	0.09			
	16.00—16.30	0.06			
	16.30—17.30	0.08	SW	11.8	
	17.30—18.00	0.06			
	18.00—18.30	0.04			
	18.30—20.00	Zero			
	20.00—21.00	0.04			
40	21.00—22.30	Zero			
	22.30—23.30	0.08	W	8.0	
	23.30—24.00	0.15			
Nov. 27	0.00— 1.00	0.05	W	13.0	
	1.00— 3.00	0.03			
	3.00— 4.00	Trace			
	4.00—16.30	Zero			
	16.30—17.00	Trace	SW	12.0	
	17.00—17.30	0.05			
	17.30—18.30	0.03			
50	18.30—19.00	0.02	W	12.0	

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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and wind  
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Dunn's test  
house by  
Dr. Katz  
15th June,  
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Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	19.00—22.00	Zero		
	22.00—23.00	Trace	SW	11.0
	23.00—24.00	0.03		
Nov. 28	0.00— 1.30	0.04	SW	8.0
	1.30— 3.00	0.03		
	3.00— 7.00	Trace	W	3.9
	7.00— 8.30	0.03		
	8.30— 9.30	0.04		
	9.30—11.00	0.04		
	11.00—12.00	Trace		
	12.00—24.00	Zero	NE, E	7.5—5.5
Nov. 29	0.00— 6.30	Zero	E, NE	5.3—11.4
	6.30— 7.00	0.03	E	8.5
20	7.00—16.30	Zero	E, NE, N	8.5—4.0
	16.30—18.00	Trace	N	4.0
	18.00—22.00	Zero	N, W	4.0—3.6
	22.00—22.30	0.03		
	22.30—24.00	Zero		
Nov. 30	0.00— 5.00	Zero	W	3.0
	5.00— 6.30	Trace	W, S	3.0—4.0
	6.30— 7.00	0.02	S	4.0
	7.00— 9.00	Zero	S, W	4.0—9.0
	9.00—10.30	0.03	W	9.0
30	10.30—11.00	0.04		
	11.00—12.00	0.05		
	12.00—12.30	0.06		
	12.30—13.00	0.08		
	13.00—13.30	0.04		
	13.30—14.00	0.03	W	9.0
	14.00—14.30	0.05		
	14.30—15.00	Zero		
	15.00—15.30	Trace		
	15.30—16.30	Zero		
40	16.30—17.00	0.05		
	17.00—18.00	0.07		
	18.00—18.30	0.04		
	18.30—20.00	0.03		
	20.00—21.00	Trace		
	21.00—21.30	0.03	W	9.0
	21.30—23.00	0.06		
	23.00—23.30	0.08	W	9.0
	23.30—24.00	0.10		
50	Dec. 1 0.00— 0.30	0.05	W	4.0
	0.30— 1.00	0.03		
	1.00— 3.30	Zero	W, S	4.0—3.2

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
10	3.30— 4.00	0.03	S	3.2	
	4.00— 4.30	0.06	W	11.4	
	4.30— 7.00	Trace			
	7.00— 8.30	Zero			
	8.30— 9.00	0.03			
	9.00—11.00	Zero			
	11.00—11.30	0.03			
	11.30—12.00	0.04			
	12.00—12.30	0.04			
	12.30—13.00	Trace			
	13.00—15.00	Zero	W	11.4	
	15.00—16.30	0.02			
	16.30—17.00	0.03			
20	17.00—18.00	0.04			
	18.00—18.30	0.04			
	18.30—19.00	0.02			
	19.00—19.30	0.04			
	19.30—20.00	0.06			
	20.00—20.30	0.06			
	20.30—21.00	0.04	SW	5.0	
	21.00—22.00	0.03			
	22.00—23.00	0.02			
	23.00—24.00	Trace			
	30 Dec. 2	0.00— 2.30	Trace	SW	3.4
		2.30— 5.30	Zero		
		5.30— 6.00	0.03		
6.00— 6.30		0.04			
6.30— 7.00		0.08			
7.00— 7.30		0.16	SE	5.3	
7.30— 8.00		0.15			
8.00— 8.30		0.12			
8.30— 9.00		0.22			
9.00— 9.30		0.08			
40		9.30—11.00	0.02	S	7.0
		11.00—11.30	0.03		
		11.30—12.00	0.06	SW	7.0
	12.00—12.30	0.05			
	12.30—13.00	0.04			
	13.00—13.30	0.03			
	13.30—14.00	0.06			
	14.00—14.30	0.09			
	14.30—15.00	0.05			
	15.00—15.30	0.07	S	3.0	
	50	15.30—16.30	0.03		

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## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Dunn's test  
house by  
Dr. Katz  
15th June,  
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Dec., 1948  
Continued

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	16.30—17.00	0.06		
	17.00—17.30	0.08		
	17.30—18.30	0.05		
	18.30—19.00	0.02		
	19.00—19.30	0.04		
	19.30—20.30	0.02		
	20.30—21.00	0.04		
	21.00—21.30	0.04		
	21.30—22.00	0.05	S	3.0
	22.00—22.30	0.03		
	22.30—23.00	0.05	S	3.0
	23.00—24.00	0.05		
Dec. 3	0.00— 0.30	0.06	W	5.0
20	0.30— 2.00	0.08		
	2.00— 2.30	0.07		
	2.30— 3.00	0.08		
	3.00— 3.30	0.01		
	3.30— 4.00	0.04		
	4.00— 5.00	0.08		
	5.00— 5.30	0.03	W	5.0
	5.30— 6.00	0.08		
	6.00— 6.30	0.11		
30	6.30— 7.00	0.03		
	7.00— 7.30	0.04		
	7.30— 8.00	0.06		
	8.00— 8.30	0.10		
	8.30— 9.00	0.05		
	9.00— 9.30	0.05	W	5.0
	9.30—10.00	0.07		
	10.00—10.30	0.05		
	10.30—11.00	0.07		
	11.00—11.30	0.05		
	11.30—12.00	0.08		
40	12.00—12.30	0.06		
	12.30—13.00	0.11		
	13.00—13.30	0.07		
	13.30—14.00	0.05	N	2.5
	14.00—14.30	0.04		
	14.30—16.30	0.05		
	16.30—18.00	0.08	N, S	2.5—3.5
	18.00—18.30	0.05	S	3.5
	18.30—19.00	0.04		
	19.00—19.30	0.03		
50	19.30—20.00	0.01		
	20.00—20.30	0.03		



EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948		Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	Dec. 4	20.30—22.00	0.04	S, W	3.5—3.0		
		22.00—22.30	0.03	W	3.0		
		22.30—23.30	0.05				
		23.30—24.00	0.03				
		0.00— 5.00	Zero	W	2.6		
		5.00— 7.00	0.04	W, S	2.6—4.6		
		7.00— 7.30	0.05	S	4.6		
		7.30— 8.30	0.03				
		8.30— 9.30	0.05				
		9.30—11.00	0.08	W	4.3		
		11.00—11.30	0.06	W	4.3		
		11.30—12.00	0.13				
		12.00—12.30	0.06				
20		12.30—14.30	0.08				
		14.30—16.30	0.05	W, S	4.3—5.0		
		16.30—17.00	0.08	S	5.0		
		17.00—17.30	0.04				
		17.30—18.00	0.01				
		18.00—18.30	Zero				
		18.30—19.00	0.04				
		19.00—20.00	0.05				
		20.00—21.30	0.04				
		21.30—22.00	0.10				
		30		22.00—22.30	0.08		
				22.30—23.00	0.13		
				23.00—24.00	0.08		
Dec. 5	0.00— 1.30			0.05	S	5.0	
	1.30— 3.00			0.03	S	6.5	
40		3.00— 3.30	0.03				
		3.30— 4.00	0.07				
		4.00— 5.00	0.11				
		5.00— 5.30	0.09				
		5.30— 6.00	0.07				
		6.00— 6.30	0.17				
		6.30— 7.00	0.24				
		7.00— 7.30	0.26				
		7.30— 8.00	0.16				
		8.00— 8.30	0.14				
		8.30— 9.00	0.13				
		9.00— 9.30	0.11				
		9.30—10.00	0.07				
		10.00—10.30	0.08				
		50		10.30—11.00	0.11		
				11.00—11.30	0.08		
				11.30—13.00	0.05		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	13.00—14.00	0.07		
	14.00—14.30	0.08		
	14.30—16.00	0.05	S, SE	6.5—11.4
	16.00—16.30	0.03	SE	11.4
	16.30—17.00	0.08		
	17.00—17.30	0.16		
	17.30—18.00	0.13		
	18.00—18.30	0.16		
	18.30—19.00	0.11		
	19.00—19.30	0.07		
	19.30—20.30	0.11		
	20.30—21.00	0.16		
20	21.00—21.30	0.07	S	14.0
	21.30—22.00	0.05		
	22.00—22.30	0.04		
	22.30—23.00	0.03		
	23.00—24.00	Zero		
Dec. 6	0.00— 0.30	0.09	SW	22.0
	0.30— 2.00	0.04		
	2.00— 2.30	0.09		
	2.30— 3.00	0.07		
	3.00— 5.00	0.03		
	5.00— 5.30	0.05		
30	5.30— 6.30	0.11		
	6.30— 7.00	0.08	SW	22.0
	7.00— 9.00	0.08	SW	22.0
	9.00—10.00	0.05		
	10.00—11.30	0.07		
	11.30—12.00	0.08		
	12.00—12.30	0.05		
	12.30—13.00	0.04		
	13.00—13.30	Zero		
	13.30—14.00	0.04	SW	22.0
40	14.00—14.30	0.09		
	14.30—15.00	0.08		
	15.00—15.30	0.09		
	15.30—16.00	0.06		
	16.00—16.30	0.05		
	16.30—17.00	0.08		
	17.00—17.30	0.03		
	17.30—18.00	0.04	SW	22.0
	18.00—18.30	0.04		
	18.30—19.30	0.03		
50	19.30—20.00	0.05		
	20.00—20.30	0.08		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
10 Dec. 7	20.30—22.00	0.04			22.0 13.8
	22.00—22.30	0.05			
	22.30—24.00	0.04	SW		
	0.00— 1.30	0.04	SW		
	1.30— 2.00	0.05			
	2.00— 2.30	0.04			
	2.30— 3.30	0.05			
	3.30— 4.00	0.09			
	4.00— 4.30	0.08			
	4.30— 5.00	0.09			
	5.00— 6.00	0.16			
	6.00— 6.30	0.12	SW		
	6.30— 7.00	0.13		13.8	
	7.00— 8.00	0.14			
	8.00— 8.30	0.09			
	8.30— 9.00	0.08			
	9.00— 9.30	0.09			
	9.30—10.00	0.06			
	10.00—10.30	0.04			
10.30—11.00	0.06				
11.00—11.30	0.05				
11.30—12.00	0.13				
12.00—12.30	0.08				
12.30—13.00	0.08				
13.00—14.00	0.09				
14.00—14.30	0.12				
14.30—15.00	0.11				
15.00—16.00	0.05				
16.00—16.30	0.13				
16.30—17.00	0.17	SW			
17.00—17.30	0.11		13.8		
17.30—18.00	0.05				
18.00—18.30	0.06				
18.30—19.00	0.05				
19.00—19.30	0.03				
19.30—20.00	0.06				
20.00—20.30	0.03				
20.30—21.00	0.05	W			
21.00—21.30	0.04		2.0		
21.30—23.00	0.05				
23.00—24.00	0.03				
Dec. 8	0.00— 1.30	0.05	W		6.0
	1.30— 2.00	0.03			
50	2.00— 2.30	Trace			
	2.30— 3.00	0.03			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

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Dr. Katz  
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Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	3.00— 4.00	0.04	SW	8.0
	4.00— 4.30	0.05	W	10.0
	4.30— 5.00	0.04		
	5.00— 6.30	Zero		
	6.30— 7.00	Trace		
	7.00— 7.30	Zero		
	7.30— 8.00	0.12	SW	12.0
	8.00— 8.30	0.12		
	8.30— 9.00	0.10		
	9.00— 9.30	0.03	W	13.6
	9.30—10.00	0.08		
	10.00—10.30	0.03		
	10.30—12.30	0.01		
20	12.30—16.30	Zero		
	16.30—17.00	0.04		
	17.00—18.00	0.05	W	13.6
	18.00—19.30	0.04		
	19.30—20.00	0.03		
	20.00—20.30	0.04		
	20.30—21.00	0.06		
	21.00—22.00	0.05		
	22.00—23.30	0.06		
	23.30—24.00	0.05	W	13.6
30	Dec. 9	0.01	W	7.6
	2.00— 3.00	Trace		
	3.00— 3.30	0.04		
	3.30— 6.30	0.01		
	6.30— 7.00	0.03		
	7.00— 7.30	0.08		
	7.30— 8.00	0.09		
	8.00— 8.30	0.04	W	7.6
	8.30—10.00	0.08		
	10.00—10.30	0.04		
40	10.30—11.00	0.05		
	11.00—12.00	0.04		
	12.00—12.30	0.05		
	12.30—13.00	Trace		
	13.00—14.00	Zero		
	14.00—14.30	0.03	W	7.6
	14.30—15.00	0.01		
	15.00—16.30	Zero		
	16.30—17.30	0.05		
	17.30—19.00	0.04		
50	19.00—20.00	0.05		
	20.00—21.00	0.03		

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
10 Dec. 10	21.00—21.30	0.04			
	21.30—22.00	0.05			
	22.00—24.00	0.03	W	7.6	
	0.00—1.00	0.03	W	9.7	
	1.00—1.30	0.04			
	1.30—2.00	0.08			
	2.00—3.00	0.04			
	3.00—4.00	0.01			
	4.00—5.30	0.03			
	5.30—7.00	0.05			
	7.00—7.30	0.08	E	9.7	
	7.30—8.00	0.04	W	9.7	
	8.00—8.30	0.03			
	8.30—9.30	0.05			
20	9.30—10.00	Zero			
	10.00—12.30	0.03			
	12.30—13.00	0.01			
	13.00—13.30	Zero			
	13.30—15.30	0.01	W, NW	9.7—12.0	
	15.30—16.00	Trace	NW	12.0	
	16.00—16.30	0.01			
	16.30—19.00	0.03	W	9.6	
	19.00—20.00	0.01			
	30	20.00—21.00	0.03		
		21.00—21.30	0.06		
		21.30—22.00	0.05		
		22.00—22.30	0.05		
		22.30—23.00	0.04		
23.00—24.00		0.05	W	9.6	
Dec. 11		0.00—3.00	0.01	W	4.4
		3.00—3.30	0.03		
40	3.30—4.00	0.04			
	4.00—5.00	0.03			
	5.00—6.00	0.04			
	6.00—8.00	0.01			
	8.00—8.30	0.03			
	8.30—9.00	0.04			
	9.00—9.30	0.03			
	9.30—10.00	0.01	E	4.5	
	10.00—10.30	0.03			
	10.30—11.00	0.05			
	11.00—12.00	0.10	E, S	4.5—5.6	
	50	12.00—13.30	0.03	S	5.6
		13.30—14.00	0.04		
		14.00—14.30	0.01		

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued*

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 157  
Charts, sul-  
phur dioxide  
and wind  
readings  
made at  
Dunn's test  
house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	14.30—15.00	0.21		
	15.00—15.30	0.12		
	15.30—16.00	0.08		
	16.00—17.00	0.05		
	17.00—17.30	Trace		
	17.30—18.00	0.05	S	5.6
	18.00—19.30	0.08		
	19.30—20.00	0.04		
	20.00—20.30	0.08		
	20.30—21.00	0.05		
	21.00—21.30	0.06		
	21.30—22.00	0.08		
	22.00—22.30	0.04		
20	22.30—23.30	0.01		
	23.30—24.00	0.03	S	5.6
Dec. 12	0.00— 0.30	0.12	S	8.0
	0.30— 1.00	0.06		
	1.00— 2.00	0.12		
	2.00— 2.30	0.15		
	2.30— 3.00	0.17		
	3.00— 4.30	0.13		
	4.30— 6.00	0.08		
	6.00— 7.30	0.06		
30	7.30— 8.00	0.15		
	8.00— 8.30	0.22		
	8.30— 9.00	0.15	S	8.0
	9.00— 9.30	0.11	S	8.0
	9.30—10.00	0.05		
	10.00—10.30	0.11	SW	10.5
	10.30—11.30	0.07		
	11.30—13.00	0.05		
	13.00—15.00	0.04		
40	15.00—16.00	0.05		
	16.00—16.30	0.03		
	16.30—17.00	0.05		
	17.00—17.30	0.07	SW	10.5
	17.30—18.00	0.04		
	18.00—18.30	0.01		
	18.30—19.30	0.03		
	19.30—20.00	0.04		
	20.00—20.30	0.01		
	20.30—21.30	0.08		
	21.30—22.00	0.05		
50	22.00—22.30	0.04		
	22.30—24.00	0.03	SW	10.5

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>				
Dec. 13	0.00— 1.00	0.04	W	7.8					
	1.00— 1.30	0.05							
	1.30— 2.00	0.08							
	10 2.00— 2.30	0.05							
	2.30— 3.30	0.05							
	3.30— 4.00	0.04							
	4.00— 4.30	0.03							
	4.30— 5.00	Trace							
	5.00— 6.00	0.08							
	6.00— 6.30	0.11							
20	6.30— 7.30	0.08							
	7.30— 8.30	0.09							
	8.30— 9.30	0.11							
	9.30—10.00	0.08							
	10.00—11.30	0.09							
	11.30—12.00	0.06							
	12.00—12.30	0.04							
	12.30—13.00	0.08							
	13.00—13.30	0.03							
	13.30—14.30	0.05							
30	14.30—15.00	0.06	W, N N	7.8—3.3 3.3					
	15.00—16.00	0.05							
	16.00—16.30	0.03							
	16.30—17.00	0.03							
	17.00—17.30	0.05							
	17.30—18.00	0.04							
	18.00—18.30	0.03							
	18.30—19.00	0.05							
	19.00—19.30	0.11							
	19.30—20.00	0.08							
40	20.00—20.30	0.09	N	3.3					
	20.30—21.00	0.05							
	21.00—23.00	Zero							
	23.00—23.30	0.01							
	23.30—24.00	0.05							
	Dec. 14	0.00— 5.30				Zero	N	7.7	
	5.30— 6.00	0.03				N, NE NE, E E E	7.7—6.0 6.0—5.8 5.8 5.8		
	6.00—11.30	Zero							
	11.30—13.30	Trace							
	13.30—16.30	0.03							
16.30—17.30	Trace								
17.30—22.30	0.03								
22.30—23.30	Trace								
50 23.30—24.00	0.03								

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
Supreme  
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Charts, sul-  
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house by  
Dr. Katz  
15th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
Dec. 15	0.00— 1.00	0.03	E	12.3	
	1.00— 2.00	0.01			
	2.00— 6.30	Zero			
		6.30— 7.00	Trace		
		7.00— 8.30	0.01		
		8.30—11.00	0.03	E	12.3
		11.00—12.00	0.04		
		12.00—13.00	0.01		
		13.00—16.00	0.03		
		16.00—24.00	Zero	E	12.3
	Dec. 16	0.00— 1.30	Zero		
		1.30— 4.30	Trace		
		4.30— 5.00	0.01		
20		5.00— 7.00	0.03		
		7.00— 7.30	0.05		
		7.30— 8.00	0.08		
		8.00— 9.30	0.05		
		9.30—10.30	0.08		
		10.30—12.00	0.10	E, W	3.7—9.0
		12.00—13.30	0.08		
		13.30—14.00	0.05		
		14.00—14.30	0.08		
	14.30—15.00	0.09			
30	15.00—15.30	0.14			
	15.30—16.00	0.29			
	16.00—16.30	0.26	SW	10.5	
	16.30—17.30	0.16			
	17.30—18.00	0.09			
	18.00—19.00	0.08			
	19.00—20.00	0.12			
	20.00—21.00	0.06			
	21.00—22.00	0.14			
	22.00—22.30	0.10			
40	22.30—23.00	0.08			
	23.00—23.30	0.09			
	23.30—24.00	0.16	SW	10.5	
Dec. 17	0.00— 2.30	0.03			SW
	2.30— 3.00	0.10			
	3.00— 3.30	0.06			
	3.30— 4.00	0.03			
	4.00— 4.30	0.05	W	14.0	
	4.30— 6.30	0.03			
	6.30— 7.00	0.04			
50	7.00— 7.30	0.03			
	7.30— 9.30	0.01			



## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	9.30—10.30	Trace			14.0	
	10.30—11.30	Zero				
	11.30—14.00	0.01				
	14.00—14.30	0.03				
	14.30—15.30	0.01				
	15.30—20.00	Zero	W, No Record			
	20.00—20.30	0.01	No Record			
	20.30—22.00	0.03				
	22.00—24.00	Zero	No Record			
	Dec. 18	0.00— 4.00	Zero	No Record		
20	4.00— 4.30	Trace			5.0	
	4.30— 5.00	Zero				
	5.00— 6.00	Trace				
	6.00— 7.00	0.01				
	7.00— 8.00	0.03				
	8.00— 8.30	0.06	W			
	8.30— 9.30	0.05				
	9.30—10.00	0.03				
	10.00—10.30	0.01				
	10.30—11.00	0.03				
30	11.00—12.00	0.05			5.0	
	12.00—12.30	0.03				
	12.30—13.00	0.01	W			
	13.00—15.00	Zero				
	15.00—15.30	Trace				
	15.30—16.00	Zero				
	16.00—16.30	0.05				
	16.30—17.30	0.03				
	17.30—19.30	Zero				
	19.30—21.30	0.01	W, S	5.0—4.0		
40	21.30—23.00	0.03	S	4.0	6.0	
	23.00—23.30	0.05				
	23.30—24.00	0.06	E	5.5		
	Dec. 19	0.00— 1.00	0.05	E		6.0
	1.00— 1.30	0.09				
	1.30— 2.00	0.03				
	2.00— 2.30	0.10	S	6.0		
	2.30— 3.30	0.05				
	3.30— 4.00	0.04				
	4.00— 5.00	0.03				
50	5.00— 5.30	0.05			7.8	
	5.30— 6.00	0.03	E			
	6.00— 6.30	0.04				
	6.30— 7.00	0.03				
	7.00— 8.00	Zero				

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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Charts, sul-  
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house by  
Dr. Katz  
15th June,  
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Dec., 1948  
Continued

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	8.00—11.30	Trace		
	11.30—22.00	Zero		
	22.00—22.30	0.01		
	22.30—23.30	0.03		
	23.30—24.00	0.01	E	7.8
Dec. 20	0.00— 0.30	Trace	E	2.0
	0.30— 3.30	0.03	E, W	2.0—3.5
	3.30— 7.00	Zero	W	3.5
	7.00— 7.30	0.01	S	6.7
	7.30— 8.00	0.08		
	8.00— 8.30	0.06		
	8.30— 9.00	0.08		
	9.00— 9.30	0.23		
20	9.30—10.00	0.18		
	10.00—10.30	0.17		
	10.30—11.00	0.12	S	6.7
	11.00—13.00	0.08		
	13.00—13.30	0.10		
	13.30—14.00	0.09		
	14.00—15.30	0.05		
	15.30—16.30	0.10		
	16.30—17.00	0.24		
	17.00—17.30	0.19		
30	17.30—18.30	0.14	S	6.7
	18.30—19.00	0.13	S	6.7
	19.00—19.30	0.10		
	19.30—20.00	0.17		
	20.00—20.30	0.31		
	20.30—21.00	0.18		
	21.00—21.30	0.08		
	21.30—22.00	0.12		
	22.00—24.00	0.15	S	6.7
Dec. 21	0.00— 1.00	0.14	S	4.3
40	1.00— 2.00	0.10		
	2.00— 2.30	0.09		
	2.30— 3.00	0.05		
	3.00— 4.00	0.08	S, W	4.3—4.0
	4.00— 4.30	0.04		
	4.30— 5.00	0.12		
	5.00— 5.30	0.13	S	10.0
	5.30— 6.30	0.12		
	6.30— 7.00	0.15		
50	7.00— 7.30	0.41		
	7.30— 8.00	0.36		
	8.00— 8.30	0.23		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>	
10	8.30— 9.00	0.47				
	9.00— 9.30	0.26				
	9.30—10.00	0.16				
	10.00—10.30	0.10				
	10.30—11.30	0.12				
	11.30—12.00	0.13				
	12.00—13.30	0.14	W	15.4		
	13.30—14.00	0.10				
	14.00—14.30	0.05				
	14.30—15.00	0.08				
	15.00—15.30	0.04				
	15.30—16.00	0.13				
	16.00—16.30	0.18				
20	16.30—17.00	0.16	W	15.4		
	17.00—17.30	0.10				
	17.30—18.00	0.05				
	18.00—18.30	0.12				
	18.30—19.30	0.08				
	19.30—20.30	0.09				
	20.30—21.00	0.08				
	21.00—22.00	0.05				
	22.00—22.30	0.03				
	22.30—24.00	Zero	W	15.4		
	30	Dec. 22 0.00— 1.30	Zero			
		1.30— 2.00	0.08	W	11.8	
		2.00— 2.30	0.05			
2.30— 3.00		0.03				
3.00— 3.30		0.01				
3.30— 4.00		0.04				
4.00— 4.30		0.03				
4.30— 5.00		0.04				
5.00— 6.00		0.03				
6.00— 6.30		0.01	W	11.8		
40		6.30— 7.30	0.04			
		7.30— 8.00	0.10			
		8.00— 8.30	0.04			
	8.30— 9.00	0.01				
	9.00— 9.30	0.03				
	9.30—11.00	0.05	W	11.8		
	11.00—11.30	0.03	W	11.8		
	11.30—12.00	0.04				
	12.00—12.30	0.05				
	12.30—13.00	0.04				
	50	13.00—13.30	0.03			
		13.30—17.00	Zero			

## EXHIBIT No. 157 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

In the  
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house by  
Dr. Katz  
15th June,  
1948, to 31st  
Dec., 1948  
Continued

Date 1948	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	17.00—17.30	0.04		
	17.30—18.30	0.03	W	11.8
	18.30—19.00	Zero		
	19.00—20.30	0.03		
	20.30—21.00	0.04		
	21.00—21.30	0.05		
	21.30—22.00	Trace		
	22.00—24.00	Zero	W	11.8
Dec. 23	0.00— 2.30	Zero	W	14.0
	2.30— 3.30	0.01		
	3.30— 5.00	Zero		
	5.00— 6.00	Trace		
	6.00— 8.00	Zero		
20	8.00—10.30	Zero		
	10.30—11.30	Trace		
	11.30—21.00	Zero	W, NW, N	14.0—9.0
	21.00—22.00	0.02	N	9.0
	22.00—24.00	0.01		
Dec. 24	0.00— 1.00	Trace	N	4.2
	1.00— 7.00	Zero		
	7.00— 8.00	Trace		
	8.00— 8.30	0.01		
	8.30— 9.00	0.05	SW	6.0
30	9.00— 9.30	0.06		
	9.30—10.00	0.05		
	10.00—11.00	0.02	W	5.0
	11.00—12.00	0.04	NW	5.5
	12.00—12.30	0.02		
	12.30—18.30	0.01	NW, N	5.5—2.5
	18.30—21.00	Zero	N, W	2.5—6.0
	21.00—23.00	0.02	W	6.0
	23.00—23.30	0.04		
	23.30—24.00	0.02		
40	Dec. 25	0.00— 0.30	W	12.0
	0.30— 1.00	0.05		
	1.00— 1.30	0.09		
	1.30— 2.00	0.05		
	2.00—24.00	No Record	W, NW, N	12.0—19.0
Dec. 26	0.00—24.00	No Record	N, NE, SW, S, W	4.0—10.5
Dec. 27	0.00—24.00	No Record	W, SW	18.8—7.0
Dec. 28	0.00— 8.00	No Record	W	7.5
	8.00— 8.30	Zero		
	8.30— 9.30	0.08		
50	9.30—10.00	0.10		
	10.00—10.30	0.17		

EXHIBIT No. 157 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 157 Charts, sul- phur dioxide and wind readings made at Dunn's test house by Dr. Katz 15th June, 1948 to 31st Dec., 1948 Continued</i>
	10.30—11.00	0.14			
	11.00—11.30	0.13			
10	11.30—12.00	0.05	SW	8.0	
	12.00—13.00	0.13			
	13.00—13.30	0.10			
	13.30—14.00	0.15	S	7.5	
	14.00—14.30	0.25			
	14.30—15.00	0.10	S	7.5	
	15.00—15.30	0.09			
	15.30—24.00	No Record	S, SE	4.0—6.3	
Dec. 29	0.00—24.00	No Record	S, SW, W, N, NE	12.0—7.0	
Dec. 30	0.00—24.00	No Record	NE, N	14.0—13.0	
Dec. 31	0.00— 9.00	No Record	N, NW	10.8—19.5	
20	9.00—24.00	Zero	NW	19.5	
30					
40					
50					

EXHIBIT NO. 158

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
June 1	24.00							
2	24.00							
3	24.00							
4	24.00							
5	24.00							
6	24.00							
7	24.00							
8	24.00							
9	24.00							
10	24.00							
11	24.00							
12	24.00							
13	24.00							
14	24.00							
15	15.45	8.15						Zero
16	7.00	13.00	3.30	0.30				0.05
17	2.00	15.45	4.15	2.00				0.08
18	5.00	10.00	8.00	1.00				Zero
19		24.00						Zero
20		20.00	4.00					0.03
21		17.00	6.00	1.00				0.06
22		13.00	8.30	2.30				0.08
23		12.00	7.00	5.00				0.09
24		2.00	14.30	7.00	0.30			0.11
25		18.30	5.30					0.03
26		19.00	5.00					0.04
27		19.30	4.00	0.30				0.05
28		12.00	4.30	7.30				0.10
29		12.00	3.00	8.30	0.30			0.11
30		14.00	3.00	6.00	1.00			0.12
Total	365.45	230.00	80.45	41.30	2.00	0.00	0.00	Max. 0.12

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EXHIBIT NO. 158 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
July 1		24.00						Zero
2		22.30	1.00	0.30				0.06
3		13.00	10.00	1.00				0.05
4		17.00	7.00					0.04
5	0.30	11.30	8.30	3.30				0.08
6		20.30	3.30					0.04
7		24.00						Zero
8		19.00	5.00					0.03
9		13.00	8.00	3.00				0.10
10		16.30	7.00	0.30				0.05
11		21.00	2.30	0.30				0.05
12		16.30	5.30	2.00				0.08
13		21.30	2.30					0.04
14		24.00						Zero
15		24.00						Zero
16		14.00	5.00	4.00		0.30	0.30	0.31
17		21.00	3.00					0.04
18		24.00						Zero
19		22.30	1.30					0.03
20		17.00	6.30	0.30				0.07
21		15.30	7.00	1.00		0.30		0.16
22		19.30	3.30	1.00				0.07
23		18.00	4.30	1.30				0.05
24		24.00						Zero
25		24.00						Zero
26		14.30	5.30	4.00				0.07
27		14.30	8.00	1.30				0.05
28		24.00						Zero
29		20.30	3.30					0.04
30		14.30	9.00	0.30				0.05
31		24.00						Zero
Total	0.30	599.30	117.30	25.00	0.00	1.00	0.30	Max. 0.31

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In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 158  
 Daily  
 summary  
 as in  
 Exhibit 157  
 Continued

EXHIBIT NO. 158 (Continued)  
 Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
Aug. 1		24.00						Zero
2		24.00						Zero
3		18.30	5.00	0.30				0.08
4		20.00	4.00					0.03
5		20.30	3.30					0.03
6		17.00	6.00	1.00				0.06
7		20.00	4.00					0.03
8		24.00						Zero
9		20.00	4.00					0.03
10		16.30	6.00	1.30				0.05
11		12.00	8.00	3.30	0.30			0.11
12		7.30	11.30	5.00				0.08
13		22.00	2.00					0.02
14		24.00						Zero
15		24.00						Zero
16		13.30	6.30	3.30	0.30			0.11
17		14.00	7.00	3.00				0.07
18		21.00	3.00					0.03
19		21.30	2.30					0.03
20		21.30	2.30					Trace
21		20.30	3.30					0.04
22		20.00	4.00					0.04
23		14.00	7.00	3.00				0.08
24		8.00	9.30	4.00	1.30	1.00		0.19
25		1.00	15.00	5.30	1.30	1.00		0.19
26		17.00	7.00					0.03
27		18.00	6.00					0.04
28		14.30	6.00	3.30				0.09
29		24.00						Zero
30		20.00	4.00					0.03
31		21.30	2.30					0.02
Total	0.00	564.00	140.00	34.00	4.00	2.00	0.00	Max. 0.19



EXHIBIT NO. 158 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
Sept. 1		13.30	10.00	0.30				0.05
2		8.30	5.30	6.30	1.00	2.30		0.21
3		7.30	9.30	6.30	0.30			0.11
4		17.00	7.00					0.04
5		13.00	9.00	1.30				0.08
6		24.00						Zero
7		13.30	9.00	1.30				0.10
8		24.00						Zero
9		24.00						Zero
10		18.00	5.30	0.30				0.05
11		18.30	5.30					0.04
12		20.30	3.30					0.02
13	2.00	12.00	7.00	2.30		0.30		0.16
14	7.30	16.30						Zero
15		22.30	1.30					0.03
16	7.30	11.00	4.30	1.00				0.06
17		1.00	8.00	7.30	6.30	1.00		0.17
18		7.30	11.30	5.00				0.06
19		24.00						Zero
20		19.00	4.30	0.30				0.05
21		22.30	1.30					Trace
22		18.30	5.30					0.03
23		22.30	1.30					0.02
24		24.00						Zero
25		22.00	2.00					0.03
26		20.30	3.30					0.04
27		18.00	3.00	3.00				0.06
28		14.30	8.30	1.00				0.05
29		8.30	11.00	3.30	1.00			0.14
30		8.30	9.00	5.00	1.30			0.13
Total	17.00	495.30	147.00	46.00	10.30	4.00	0.00	Max. 0.21

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In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 158  
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summary  
as in  
Exhibit 157  
Continued

EXHIBIT NO. 158 (Continued)

Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
Oct. 1		10.00	8.30	5.00	0.30			0.11
2		24.00						Zero
3		24.00						Zero
4		17.00	4.30	2.30				0.08
5		1.00	10.30	10.00	1.30	1.00		0.22
6		15.30	8.30					0.02
7		4.30	7.30	8.30	2.00	1.30		0.21
8		6.00	10.00	7.00	1.00			0.14
9		3.00	7.00	10.30	1.30	1.30	0.30	0.27
10			7.00	11.30	3.30	2.00		0.22
11	4.00		12.30	6.30		1.00		0.16
12	8.00		5.30	5.30	3.00	2.00		0.25
13		4.00	5.30	13.30	1.00			0.11
14		18.00	6.00					0.04
15		14.00	4.00	4.00	1.00	1.00		0.18
16			4.30	13.30	4.30	1.30		0.22
17		20.00	2.00	2.00				0.10
18		13.30	6.30	4.00				0.08
19		7.30	4.30	4.30	3.30	3.30	0.30	0.27
20		8.30	11.30	4.00				0.06
21		6.30	12.30	4.30	0.30			0.14
22			4.30	14.00	4.30	1.00		0.16
23			5.00	5.30	5.30	5.30	2.30	0.41
24			20.30	3.30				0.06
25			19.30	4.30				0.08
26			4.00	19.00	1.00			0.12
27		2.30	10.00	10.00	1.30			0.13
28		0.30	15.00	8.30				0.08
29		7.00	16.30	0.30				0.05
30		11.30	9.30	3.00				0.07
31			3.00	18.30	1.00	1.30		0.19
Total	12.00	218.30	246.00	204.00	37.00	23.00	3.30	Max. 0.41

EXHIBIT NO. 158 (Continued)  
Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
Nov. 1			9.30	14.30				0.09
2		6.00	16.00	1.30	0.30			0.13
3		3.30	6.30	13.00	0.30	0.30		0.18
4		1.00	4.00	18.00	0.30	0.30		0.16
5		1.30	3.00	12.00	4.30	3.00		0.21
6	1.00	3.00	5.00	13.30		1.30		0.21
7		12.00	3.30	8.30				0.09
8		8.00	11.30	4.00		0.30		0.20
9				15.30	6.30	2.00		0.24
10		5.00	5.00	13.30	0.30			0.13
11		3.00	6.00	14.30	0.30			0.15
12		2.00	6.00	13.00	2.30	0.30		0.20
13		13.30	4.00	6.00	0.30			0.15
14		2.00	16.00	6.00				0.10
15		7.30	11.30	5.00				0.08
16		5.00	2.00	12.30	3.00	1.30		0.23
17		9.00	4.00	9.00	1.00	0.30	0.30	0.30
18		3.00	10.30	10.00	0.30			0.12
19		11.30	6.00	6.00		0.30		0.12
20		11.00	8.30	4.30				0.07
21		10.30	12.30	1.00				0.06
22		7.00	3.00	13.30	0.30			0.15
23		16.00	8.00					0.04
24		17.30	6.30					0.04
25		4.30	9.30	9.30	0.30			0.15
26		3.00	7.00	12.30	1.00	0.30		0.22
27		15.30	7.00	1.30				0.05
28		12.00	12.00					0.04
29		21.30	2.30					0.03
30		8.30	9.00	6.30				0.10
Total	1.00	223.30	215.30	245.00	23.00	11.30	0.30	Max. 0.30

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In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 158  
 Daily  
 summary  
 as in  
 Exhibit 157  
 Continued

EXHIBIT NO. 158 (Continued)  
 Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

Date 1948	Time not Operated Hrs.	Zero Readings Hrs.	Trace to 0.04 P.P.M. Hrs.	0.05 to 0.10 P.P.M. Hrs.	0.10 to 0.15 P.P.M. Hrs.	0.16 to 0.25 P.P.M. Hrs.	Above 0.25 P.P.M. Hrs.	Maximum Readings P.P.M.
Dec. 1		8.00	14.00	2.00				0.06
2		3.00	11.00	8.00	1.00	1.00		0.22
3			7.30	15.30	1.00			0.11
4		5.30	6.00	11.30	1.00			0.13
5		1.00	3.30	11.00	5.00	3.00	0.30	0.26
6		0.30	10.00	12.30	1.00			0.11
7			5.00	13.00	4.30	1.30		0.17
8		6.00	9.30	7.30	1.00			0.12
9		2.30	15.30	6.00				0.09
10		1.00	17.00	6.00				0.08
11			16.00	7.00	0.30	0.30		0.21
12			7.30	10.00	5.30	1.00		0.22
13		2.00	7.00	13.00	2.00			0.11
14		11.00	13.00					0.03
15		12.30	11.30					0.04
16		1.30	5.30	12.00	2.30	1.30	1.00	0.29
17		7.30	15.00	1.30				0.10
18		9.00	11.00	4.00				0.06
19		11.30	9.00	3.30				0.10
20		3.30	4.00	8.00	4.30	3.30	0.30	0.31
21		1.30	1.30	9.30	7.30	2.00	2.00	0.47
22		7.30	12.30	4.00				0.10
23		18.00	6.00					0.02
24		8.30	14.00	1.30				0.06
25	22.00		0.30	1.30				0.09
26	24.00							
27	24.00							
28	16.30	0.30		3.30	2.30	1.00		0.25
29	24.00							
30	24.00							
31	9.00	15.00						Zero
Total	143.30	137.00	233.00	172.00	39.30	15.00	1.00 Max.	0.47

EXHIBIT NO. 159

Total Hours of Sulphur Dioxide Readings per Month, June to December, 1948  
 N.R.C. Recorder Station at Dunn Greenhouses, St. Catharines, Ontario

	June Hrs. Min.	July Hrs. Min.	August Hrs. Min.	September Hrs. Min.	October Hrs. Min.	November Hrs. Min.	December Hrs. Min.
Time Recorder not operated	365:45	0:30	0:00	17:00	12:00	1:30	143:30
Hrs. of Zero Readings	230:00	599:30	564:00	495:30	218:30	223:30	137:00
Hours of Trace—0.04 P.P.M.	80:45	117:30	140:00	147:00	246:00	215:30	233:00
Hours of 0.05—0.10 P.P.M.	41:30	25:00	34:00	46:00	204:00	245:00	172:00
Hours of 0.11—0.15 P.P.M.	2:00	0:00	4:00	10:30	37:00	23:00	39:30
Hours of 0.16—0.25 P.P.M.	0:00	1:00	2:00	4:00	23:00	11:30	15:00
Hours of Readings above 0.25 P.P.M.	0:00	0:30	0:00	0:00	3:30	0:30	4:00
Total Duration of Sulphur Dioxide From Traces to Maximum Readings	124:15	144:00	180:00	207:30	513:30	495:30	463:30
Maximum Concentration of Sulphur Dioxide in P.P.M.	0:12	0:31	0:19	0:21	0:41	0:30	0:47

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*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 159  
 Monthly  
 summary  
 as in  
 Exhibit 157*

## EXHIBIT NO. 160

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Station at Dunn Greenhouses, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 160  
Table  
of dust  
and wind  
measure-  
ments  
(Dunn's)  
18th June,  
1948 to 31st  
Dec., 1948

Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
June 14, 10.30						
June 14, 15.00	4.50	0.308	0.717	SW	100	10.4
June 15, 11.00						
June 15, 16.00	5.00	0.655	0.207	N, NW	100	6.2
June 15, 17.00						
June 16, 7.00	14.0	0.149	0.361	N	100	3.2
June 16, 8.45				N, NW	46	5.5
June 17, 7.00	22.25	0.069	0.293	SW	54	4.2
June 17, 8.00				S, SW	56	6.2
20 June 17, 16.00	8.0	0.188	0.425	NW	44	7.5
June 17, 16.30						
June 18, 7.30	15.0	0.138	0.345	NW	100	5.4
June 18, 8.00						
June 18, 16.00	8.00	0.132	0.586	NW	100	3.3
June 18, 16.30				N, NW	36	3.2
June 21, 7.30	63.0	0.084	0.124	E, NE	42	5.5
				SW	22	6.0
June 21, 8.00						
June 21, 16.00	8.0	0.033	0.618	W, SW	100	4.2
30 June 21, 16.30				W	30	4.0
June 22, 7.30	15.0	0.195	0.352	SE	20	3.3
				E	50	4.9
June 22, 8.00				SE	38	8.0
June 22, 16.00	8.0	0.398	0.678	E	62	5.5
June 22, 16.30				E	40	5.5
June 23, 7.30	15.0	0.154	0.418	NW	13	3.0
				SW	47	5.0
June 23, 8.00				S	31	10.0
June 23, 16.00	8.0	0.282	0.657	SW	69	13.0
40 June 23, 16.30						
June 24, 7.30	15.0	0.124	0.408	SW	100	13.5
June 24, 8.00				W, SW	94	13.0
June 24, 16.00	8.0	0.148	0.610	NW	6	6.0
June 24, 16.30						
June 25, 7.30	15.0	0.131	0.109	W, SW	100	6.4
June 25, 8.00				NW	81	7.2
June 25, 16.00	8.0	0.009	0.054	W	19	8.0
June 25, 16.30				S	34	4.0
50 June 28, 7.30	63.0	0.139	0.049	N, NW	10	5.7
				NE	33	2.7
				Calm	4	—
June 28, 8.00						
June 28, 16.00	8.0	0.144	0.093	SW	100	10.7
June 28, 16.30				SW	67	13.2
June 29, 7.30	15.0	0.081	0.088	S	33	5.6

## EXHIBIT NO. 160 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Station at Dunn Greenhouses, St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 160  
Table  
of dust  
and wind  
measure-  
ments  
(Dunn's)  
18th June,  
1948 to 31st  
Dec., 1948  
Continued*

	Date 1948	Average Dust Concentration Milligrams per Cu. M.		Prevailing Wind			Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	June 29, 8.00						
	June 29, 16.00	8.0	0.276	0.052	SW	100	15.7
	June 29, 16.30				SW, W	94	12.5
	June 30, 7.30	15.0	0.099	0.030	NW	6	10.0
	June 30, 8.00						
	June 30, 16.00	8.0	0.224	0.130	W	100	12.0
	June 30, 16.30				W	64	7.0
	July 2, 7.30	39.0	0.112	0.104	N, NW	36	7.5
	July 2, 8.00						
20	July 2, 16.00	8.0	0.043	0.063	W	100	6.8
	July 2, 16.30				W, SW	36	5.0
	July 5, 7.30	63.0	0.236	0.080	N, NW	32	3.0
					S	17	5.0
					E, NE	15	7.0
	July 5, 8.00						
	July 5, 16.00	8.0	0.354	0.205	W, SW	100	9.0
	July 5, 16.30						
	July 6, 7.30	15.0	0.086	0.115	W, SW	100	11.0
	July 6, 8.00				W	6	8.0
30	July 6, 16.00	8.0	0.016	0.087	NW	94	12.5
	July 6, 16.30				NW	27	12.5
	July 7, 7.30	15.0	0.038	0.017	NE	73	11.0
	July 7, 8.00						
	July 7, 16.00	8.0	0.046	0.103	NE	100	12.0
	July 7, 16.30				NE	3	12.0
	July 8, 7.30	15.0	0.129	0.160	N	97	3.0
	July 8, 8.00						
	July 8, 16.00	8.0	0.180	0.150	N	100	3.6
	July 8, 16.30				S, SE	47	3.0
40	July 9, 7.30	15.0	0.165	0.147	N	53	3.8
	July 9, 8.00						
	July 9, 16.00	8.0	0.088	0.120	S, SW	100	5.2
	July 9, 16.30				W, SW	76	5.6
	July 12, 7.30	63.0	0.136	0.041	S	24	4.8
	July 12, 8.00				S	19	5.0
	July 12, 16.00	8.0	0.330	0.143	W, SW	81	7.0
	July 12, 16.30						
	July 13, 7.30	15.0	0.154	0.135	SW	100	5.0
50	Nov. 15, 8.00						
	Nov. 15, 14.30	6.5	0.340	—	W	100	8.3
	Nov. 15, 15.30				W	88	5.7
	Nov. 16, 7.30	16.0	0.365	0.488	S	12	7.4
	Nov. 16, 8.30						

## EXHIBIT NO. 160 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Station at Dunn Greenhouses, St. Catharines,

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 160  
Table  
of dust  
and wind  
measure-  
ments  
(Dunn's)  
18th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	Average Wind Velocity in M.P.H.
Nov. 16, 14.30	5.0	0.109	1.38	S	100	7.4
Nov. 16, 15.15				S, SE	54	9.0
Nov. 17, 7.15	16.0	0.192	0.624	SW	46	19.3
Nov. 17, 8.30						
Nov. 17, 14.30	6.0	0.318	0.810	SW	100	19.3
Nov. 17, 15.15						
Nov. 18, 7.15	16.0	0.047	0.296	W, SW	100	12.6
Nov. 18, 8.30						
Nov. 18, 14.30	6.0	0.269	0.458	S	100	4.5
Nov. 18, 15.15						
Nov. 19, 7.15	16.0	0.322	0.222	E	100	5.8
Nov. 19, 8.30						
Nov. 19, 14.30	6.0	0.300	0.775	E	100	6.0
Nov. 19, 15.15				E, NE	67	9.9
Nov. 20, 7.15	16.0	0.134	0.066	W	33	10.0
Nov. 20, 8.30						
Nov. 30, 14.30	6.0	0.285	0.207	W, SW	100	12.0
Nov. 20, 15.15				W, SW	88	8.0
Nov. 22, 7.15	40.0	0.115	—	S, SE	12	3.7
Nov. 22, 8.30				E	33	4.0
Nov. 22, 14.30	6.0	0.326	0.072	S	67	7.0
Nov. 22, 15.15				S	14	7.0
Nov. 23, 7.15	16.0	0.090	0.129	W	86	10.5
Nov. 23, 8.30				W	25	8.0
Nov. 23, 14.30	6.0	0.263	0.019	NW	75	8.5
Nov. 23, 15.15				W	83	4.2
Nov. 24, 7.15	16.0	0.119	0.168	S	17	3.0
Nov. 24, 8.30						
Nov. 24, 14.30	6.0	0.064	0.028	S	100	3.0
Nov. 24, 15.15				S	83	2.5
Nov. 25, 7.15	16.0	0.098	0.152	W	17	3.0
Nov. 25, 8.30				SW	50	12.0
Nov. 25, 14.30	6.0	0.202	0.055	S	50	5.0
Nov. 25, 15.15						
Nov. 26, 7.15	16.0	0.175	0.258	S	100	6.7
Nov. 26, 8.30				S	1	7.5
Nov. 29, 7.15	70.75	0.103	0.083	W, SW	72	10.0
				E, NE	27	7.6
Nov. 29, 8.30						
Nov. 30, 7.15	22.75	0.192	0.186	E, NE	22	8.3
				N	26	4.0
				W	44	3.3
				S	8	4.0
Nov. 30, 8.30				S	11	3.2
Dec. 1, 7.15	22.75	0.116	0.165	W	89	8.0



## EXHIBIT NO. 160 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Station at Dunn Greenhouses, St. Catharines

	Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
		Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
10	Dec. 1, 8.30						
	Dec. 2, 7.15	22.75	0.042	0.205	W, SW	100	6.6
	Dec. 2, 8.30						
	Dec. 3, 7.15	22.75	0.232	0.167	W, SW	48	6.0
					S, SE	52	5.0
	Dec. 3, 8.00				W	92	5.0
	Dec. 3, 15.00	6.0	0.347	0.280	N	8	2.5
	Dec. 3, 15.15				N	14	2.5
20	Dec. 4, 7.15	15.0	0.209	0.292	W	56	2.8
					S	30	4.0
	Dec. 4, 8.30				S	17	4.6
	Dec. 4, 14.30	6.0	0.169	0.206	W	83	4.3
	Dec. 4, 15.15				S, SE	82	9.2
	Dec. 6, 7.15	40.0	0.222	0.189	SW	18	22.0
	Dec. 6, 8.30						
	Dec. 6, 15.30	7.0	0.373	0.187	SW	100	22.0
	Dec. 6, 16.15						
	Dec. 7, 7.15	15.0	0.088	0.229	SW	100	17.9
	Dec. 7, 8.30						
30	Dec. 7, 15.30	7.0	0.081	0.162	SW	100	13.8
	Dec. 7, 16.15						
	Dec. 8, 7.15	15.0	0.298	0.287	W, SW	100	8.0
	Dec. 8, 8.30						
	Dec. 8, 15.30	7.0	0.219	0.081	W, SW	100	12.8
	Dec. 8, 16.15						
	Dec. 9, 7.15	15.0	0.085	0.268	W	100	10.6
	Dec. 9, 8.30						
	Dec. 9, 15.30	7.0	0.166	0.306	W	100	7.6
	Dec. 9, 16.15						
40	Dec. 10, 7.15	15.0	0.192	0.261	W	100	8.6
	Dec. 10, 8.30				W	86	9.7
	Dec. 10, 15.30	7.0	0.371	0.117	NW	14	12.0
	Dec. 10, 16.15				S, SW	61	8.0
	Dec. 13, 7.15	63.0	0.230	0.169	S	36	6.8
					E	3	4.5
	Dec. 13, 8.30						
	Dec. 13, 15.30	7.0	0.299	0.082	W	100	7.8
	Dec. 13, 16.15						
	Dec. 14, 7.15	15.0	0.183	0.283	N	100	5.5
50	Dec. 14, 8.30				N	50	7.7
	Dec. 14, 15.30	7.0	0.065	0.170	E, NE	50	6.0
	Dec. 14, 16.15						
	Dec. 15, 7.15	15.0	0.069	0.228	E	100	9.0
	Dec. 15, 8.30						
	Dec. 15, 15.30	7.0	0.039	0.218	E	100	12.3

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 160  
Table  
of dust  
and wind  
measure-  
ments  
(Dunn's)  
18th June,  
1948 to 31st  
Dec., 1948  
Continued*

## EXHIBIT NO. 160 (Continued)

Concentration of Dust and Organic Matter in Atmosphere  
N.R.C. Station at Dunn Greenhouses, St. Catharines

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 160  
Table  
of dust  
and wind  
measure-  
ments  
(Dunn's)  
18th June,  
1948 to 31st  
Dec., 1948  
Continued

Date 1948	Average Dust Concentration Milligrams per Cu. M.			Prevailing Wind		Average Wind Velocity in M.P.H.
	Test Period Hrs.	Dust	Soluble Organic Matter	Direction	% of Total Test	
Dec. 15, 17.30						
Dec. 16, 7.30	14.0	0.161	0.056	E	100	8.0
Dec. 16, 8.30				E	43	3.7
Dec. 16, 15.30	7.0	0.705	0.279	W	57	9.0
Dec. 16, 16.15						
Dec. 17, 7.15	15.0	0.080	0.216	W, SW	100	12.2
Dec. 17, 8.30						
Dec. 17, 15.30	7.0	0.209	0.050	W	100	14.0
Dec. 17, 16.15						
20 Dec. 20, 7.15	63.0	0.098	0.078	No Record	25	
				S	9	5.5
				W	27	4.2
				E	39	5.3
Dec. 20, 8.30						
Dec. 20, 15.30	7.0	0.287	0.052	S	100	6.7
Dec. 20, 16.15				S	90	7.0
Dec. 21, 7.15	15.0	0.282	0.147	W	10	4.0
Dec. 21, 8.30				W, SW	93	15.7
Dec. 21, 15.30	7.0	0.602	0.211	S	7	10.0
30 Dec. 21, 16.15						
Dec. 22, 7.15	15.0	0.190	0.064	W	100	13.6
Dec. 22, 8.30						
Dec. 22, 15.30	7.0	0.165	0.616	W	100	11.8
Dec. 22, 16.15						
Dec. 23, 7.15	15.0	0.155	0.241	W	100	12.9
Dec. 23, 8.30						
Dec. 23, 15.30	7.0	0.655	0.493	W	100	14.0
Dec. 23, 16.15						
Dec. 24, 7.15	15.0	0.117	0.308	N, NW	100	9.0
40 Dec. 27, 8.30						
Dec. 27, 15.30	7.0	0.280	0.560	SW	100	18.8
Dec. 27, 16.15						
Dec. 28, 7.15	15.0	0.185	0.262	W, SW	100	11.0
Dec. 28, 8.30				W	71	8.0
Dec. 28, 15.30	7.0	0.251	0.450	S	29	7.5
Dec. 28, 16.15						
Dec. 29, 7.30	15.25	0.344	0.488	S, SE	100	7.3
Dec. 29, 8.30						
Dec. 29, 15.30	7.0	0.511	0.485	SW	100	12.0
50 Dec. 29, 16.15				W	15	7.0
Dec. 30, 7.15	15.0	0.023	0.227	N	27	8.0
				NE	58	12.0
Dec. 30, 8.30						
Dec. 30, 15.30	7.0	0.284	0.370	NE	100	14.0
Dec. 30, 16.15				NE	18	14.0
Dec. 31, 7.15	15.0	0.089	0.352	N, NW	82	14.4
Dec. 31, 8.30						
Dec. 31, 15.30	7.0	0.675	0.548	NW	100	19.5

## EXHIBIT NO. 161

Sulphur Dioxide Tests at Continuous Station near McKinnon Industries and Walker Greenhouses, St. Catharines

Percent of Total Tests at Various Concentration Levels for Each Month of the Growing Season

## —Growing Season of 1945—

	May %	June %	July %	August %	September %	October %
10 Zero Readings	75.2	98.25	95.85	98.1	98.3	69.0
Trace to 0.04 P.P.M.	13.45	1.05	2.7	1.5	0.93	17.5
0.05 to 0.10 P.P.M.	6.75	0.69	1.24	0.31	0.56	11.3
0.11 to 0.25 P.P.M.	4.38	0.00	0.21	0.07	0.15	2.22
Above 0.25 P.P.M.	0.22	0.00	0.00	0.03	0.04	0.00

## —Growing Season of 1946—

Zero Readings	79.1	87.0	82.2	90.9	73.4	49.2
Trace to 0.04 P.P.M.	16.1	11.15	14.6	7.77	19.6	34.8
0.05 to 0.10 P.P.M.	3.68	1.44	2.66	1.12	6.04	13.45
0.11 to 0.25 P.P.M.	1.12	0.36	0.47	0.16	0.87	2.62
20 Above 0.25 P.P.M.	0.00	0.00	0.07	0.02	0.05	0.00

## —Growing Season of 1947—

Zero Readings	65.35	65.2	75.5	82.7	71.3	39.3
Trace to 0.04 P.P.M.	28.35	30.7	20.25	15.4	21.6	54.45
0.05 to 0.10 P.P.M.	5.72	3.66	2.36	1.48	5.21	5.34
0.11 to 0.25 P.P.M.	0.61	0.43	1.89	0.42	1.88	0.90
Above 0.25 P.P.M.	0.00	0.00	0.00	0.00	0.00	0.00

## —Growing Season of 1948—

(McKinnon Industries have been shut down since July 14, 1948)

30 Zero Readings	80.15	73.0	78.5	74.3	70.4	57.5
Trace to 0.04 P.P.M.	17.2	22.35	19.2	24.05	25.5	31.5
0.05 to 0.10 P.P.M.	2.5	4.31	2.2	1.29	3.56	8.45
0.11 to 0.25 P.P.M.	0.17	0.28	0.08	0.34	0.51	2.55
Above 0.25 P.P.M.	0.00	0.07	0.00	0.00	0.00	0.00

*In the Supreme Court of Ontario Defendant's Exhibit No. 161 Summary of sulphur dioxide readings at Defendant's test house expressed in percentages for the period May to Oct., 1945, 1946, 1947 and 1948 (Prepared by Dr. Katz)*

## EXHIBIT NO. 162

Sulphur Dioxide Tests at Continuous Station at Dunn Greenhouses, St. Catharines  
 Percent of Total Tests at Various Concentration Levels for Each Month From June  
 Through October, 1948

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 162  
 Summary of  
 sulphur  
 dioxide  
 readings at  
 Dunn's  
 test house  
 expressed in  
 percentages  
 for the period  
 June to  
 October,  
 1948  
 (Prepared by  
 Dr. Katz)*

	June	July	August	September	October
	%	%	%	%	%
Zero Readings	65.0	80.6	75.8	70.5	29.9
Trace to 0.04 P.P.M.	22.8	15.8	18.8	20.9	33.5
0.05 to 0.10 P.P.M.	11.65	3.36	4.57	6.55	27.9
0.11 to 0.25 P.P.M.	0.56	0.13	0.81	2.06	8.2
Above 0.25 P.P.M.	0.00	0.07	0.00	0.00	0.48

20

30

40

50

## EXHIBIT NO. 163

Table 3

Test station near McKinnon-Walker location on Carleton St.

	Prevailing Wind Directions S, SW and W			Prevailing Wind Directions N, NE, E, SE			
	No. of Tests	Dust mg./m <sup>3</sup>	Soluble organic matter mg./m <sup>3</sup>	No. of Tests	Dust mg./m <sup>3</sup>	Soluble organic matter mg./m <sup>3</sup>	
10	Tests during Daylight Hours only on Week Days						
	May 20—June 13, 1948						
7	0.516	0.493	16	0.308	0.251		
	June 14—July 12, 1948						
11	0.508	0.512	11	0.387	0.725		
	May 20—July 12, 1948						
18	0.511	0.505	27	0.340	0.447		
	Tests during Night only on Week Nights						
	May 20—June 13, 1948						
2	0.328	0.418	5	0.260	0.197		
20		June 14—July 12, 1948					
7	0.288	0.241	4	0.351	0.338		
	May 20—July 12, 1948						
9	0.260	0.234	9	0.301	0.259		
	Tests during Weekends Only						
	May 20—June 13, 1948						
1	0.191	0.167	3	0.133	0.034		
	June 14—July 12, 1948						
3	0.189	0.078	1	0.222	0.192		
	May 20—July 12, 1948						
30	4	0.190	0.101	4	0.155	0.074	
	—November 15—December 31, 1948—						
	Tests during Daylight Hours only on Week Days						
23	0.604	0.283	6	0.254	0.180		
	Tests during Night only on Week Nights						
17	0.192	0.193	6	0.131	0.277		
	Tests during Weekends only (irrespective of wind direction)						
15	0.161	0.082					

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 163  
Dust and  
wind meas-  
urements  
made by  
Dr. Katz at  
Defendant's  
test house  
20th May,  
1948 to 31st  
Dec., 1948*

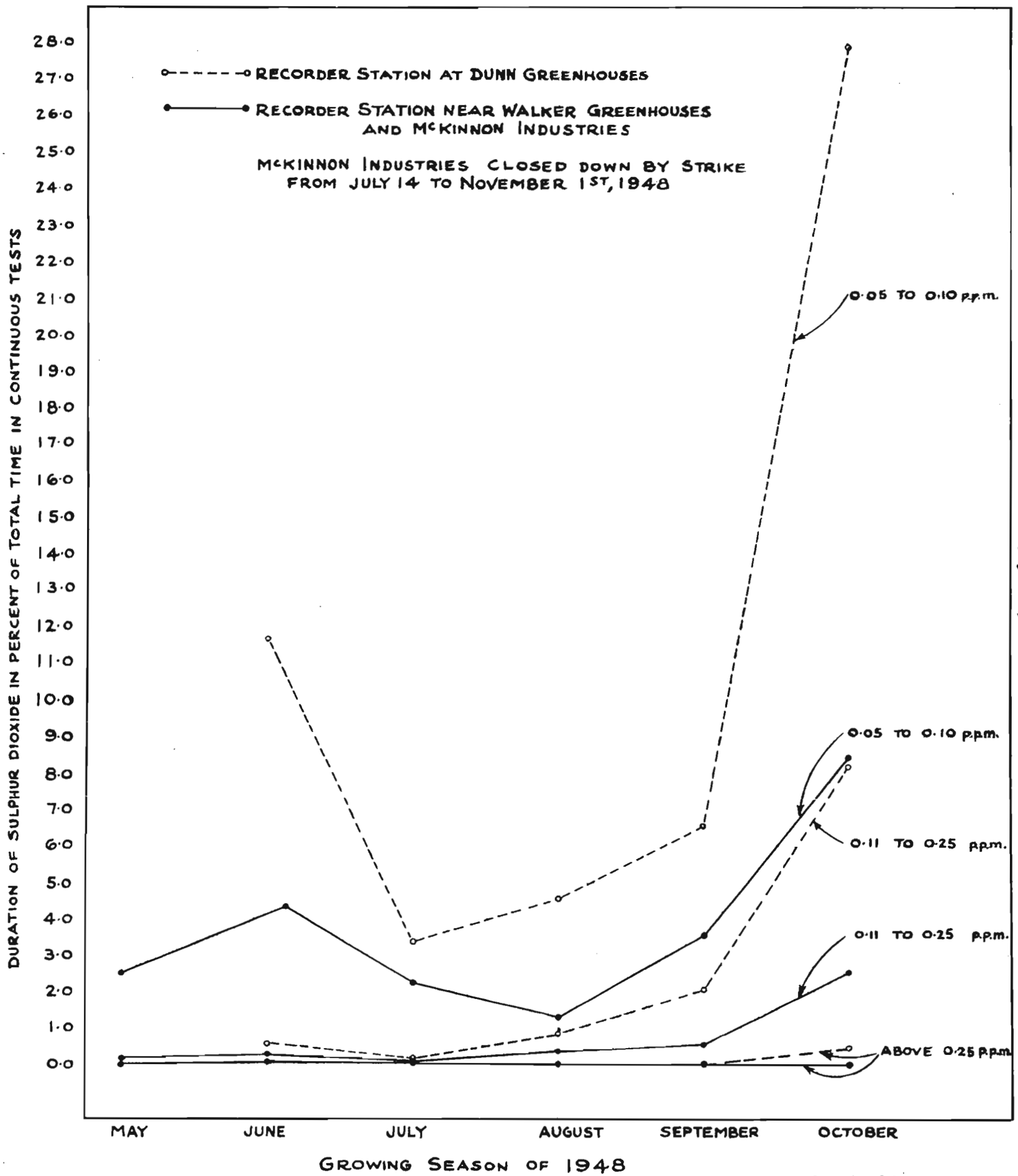
## EXHIBIT NO. 164

II  
Table 4

## Test Station at Dunn Greenhouses

No. of Tests	Prevailing Wind Directions S, SW and W		Prevailing Wind Directions N, NE, E, SE			
	Dust mg./m <sup>3</sup>	Soluble organic matter mg./m <sup>3</sup>	No. of Tests	Dust mg./m <sup>3</sup>	Soluble organic matter mg./m <sup>3</sup>	
—June 14—July 13, 1948—						
Tests during Daylight Hours on Week Days						
11	0.203	0.310	7	0.205	0.266	
Tests during Night on Week Nights						
6	0.113	0.148	6	0.136	0.245	
Tests during Weekends only						
2	0.124	0.073	1	0.084	0.124	
—November 15—December 31, 1948—						
Tests during Daylight Hours on Week Days						
20	23	0.286	0.331	6	0.271	0.350
Tests during Night on Week Nights						
16	0.165	0.235	8	0.164	0.271	
Tests during Weekends only (irrespective of wind direction)						
5	0.154	0.130				

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 164  
Dust and  
wind meas-  
urements  
made by  
Dr. Katz at  
Dunn's  
test house  
14th June,  
1948 to 31st  
Dec., 1948*



*Exhibit No. 165*

*In the  
 Supreme  
 Court of  
 Ontario  
 Defendant's  
 Exhibit  
 No. 165  
 (Graph  
 prepared by  
 Dr. Katz  
 showing  
 comparison  
 between  
 Defendant's  
 tests and  
 tests made  
 at Dunn's)*

## EXHIBIT No. 166

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949</i>
Jan. 1	0.00—17.00	Zero	NW	20.8	
	17.00—24.00	No Record			
10 Jan. 2	0.00— 9.30	No Record	NW, W	13.0—5.0	
	9.30—10.00	Trace	W	5.0	
	10.00—24.00	Zero	NW, W	9.0—7.3	
Jan. 3	0.00— 7.30	Zero	NW, N	5.0—6.0	
	7.30— 8.00	Trace	N	6.0	
	8.00—15.30	Zero	N, NE, E	6.0—4.0	
	15.30—16.30	Trace	E	4.2	
	16.30—17.00	0.03			
	17.00—17.30	0.04			
	17.30—18.00	0.09			
	18.00—19.00	0.07			
20	19.00—21.00	0.08			
	21.00—21.30	0.09			
	21.30—22.00	0.08			
	22.00—22.30	0.09			
	22.30—23.60	0.08			
	23.00—23.30	0.04			
	23.30—24.00	0.04	E	4.2	
Jan. 4	0.00— 7.30	No Record	E	3.7	
	7.30— 8.00	0.07			
	8.00— 8.30	0.05			
30	8.30— 9.30	0.08			
	9.30—10.00	0.09			
	10.00—10.30	0.09			
	10.30—11.00	0.12			
	11.00—12.00	0.08			
	12.00—12.30	0.04			
	12.30—13.00	0.09			
	13.00—14.00	0.03			
	14.00—15.00	0.05	E	3.7	
	15.00—15.30	0.04			
40	15.30—16.00	0.03			
	16.00—17.00	0.03			
	17.00—18.00	0.03			
	18.00—18.30	0.05			
	18.30—19.00	0.09			
	19.00—20.30	0.05			
	20.30—22.00	0.08			
	22.00—22.30	0.05			
	22.30—23.00	0.07			
	23.00—23.30	0.16			
50	23.30—24.00	0.19	E	3.7	



## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Jan. 5	0.00— 0.30	No Record	E	3.5
		0.30— 1.00	0.14		
		1.00— 1.30	0.03		
		1.30— 2.00	0.14		
		2.00— 2.30	0.12		
		2.30— 3.00	0.14		
		3.00— 3.30	0.09		
		3.30— 4.30	0.08		
		4.30— 5.00	0.14		
		5.00— 5.30	0.11		
		5.30— 6.30	0.18		
		6.30— 7.00	0.22		
		7.00— 7.30	0.20		
20		7.30— 8.00	0.14		
		8.00— 8.30	0.12		
		8.30— 9.00	0.09		
		9.00— 9.30	0.11		
		9.30—10.30	0.11		
		10.30—11.00	0.08	S	8.4
		11.00—11.30	0.02		
		11.30—12.00	0.05		
		12.00—14.00	0.03		
		14.00—14.30	0.01		
30		14.30—15.00	0.03		
		15.00—16.00	Zero		
		16.30—17.30	0.03		
		17.30—21.30	Zero	S, SW	8.4—12.8
		21.30—22.00	0.01	W	17.0
		22.00—22.30	Zero		
		22.30—23.00	0.03		
		23.00—23.30	Zero		
		23.30—24.00	0.03	SW	20.0
40	Jan. 6	0.00— 0.30	Zero	SW	20.0
		0.30— 1.00	0.02		
		1.00— 1.30	Zero		
		1.30— 2.00	0.03		
		2.00— 2.30	Zero	SW	20.0
		2.30— 3.30	0.05		
		3.30— 4.00	0.01		
		4.00— 4.30	0.03		
		4.30— 5.00	0.01		
		5.00— 5.30	Zero		
		5.30— 6.00	0.08		
50		6.00— 6.30	0.01		
		6.30— 7.00	0.05		
		7.00— 7.30	0.04		
		7.30— 8.00	0.07		
		8.00— 8.30	0.05	W	18.0

## EXHIBIT No. 166

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>		
10	8.30— 9.00	0.04			23.0		
	9.00— 9.30	0.06					
	9.30—10.00	0.09					
	10.00—10.30	0.04					
	10.30—11.00	0.03					
	11.00—11.30	0.04					
	11.30—12.00	0.02	SW				
	12.00—12.30	0.03					
	12.30—13.00	0.07					
	13.00—13.30	0.03					
	13.30—14.00	0.05					
	14.00—14.30	0.01					
	14.30—15.00	No Record					
	20	15.00—15.30	0.08				23.0
15.30—16.00		0.11	SW				
16.00—16.30		0.08					
16.30—21.00		Zero					
21.00—21.30		0.04					
21.30—22.00		Zero					
22.00—22.30		0.01					
22.30—23.00		Zero					
23.00—23.30		0.01					
23.30—24.00		Zero	SW				
30 Jan. 7		0.00— 0.30	0.02	SW		22.5	
	0.30— 1.00	Zero					
	1.00— 1.30	0.01					
	1.30— 2.00	Zero					
	2.00— 2.30	Trace					
	2.30— 3.00	Zero					
	3.00— 3.30	0.05					
	3.30— 4.00	0.04					
	4.00— 5.00	0.02	W				
	5.00— 5.30	0.05					
	40	5.30— 6.00	0.04				14.0
		6.00— 6.30	0.16				
		6.30— 7.00	0.08				
		7.00— 8.00	0.02				
8.00— 8.30		0.03					
8.30— 9.00		Zero	SW				
9.00— 9.30		Trace					
9.30—10.00		0.02					
10.00—10.30		0.05					
10.30—11.00		0.01					
50	11.00—11.30	0.03			14.0		
	11.30—12.00	Trace					
	12.00—12.30	0.02					
	12.30—13.00	Zero					

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

		Date	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	Jan. 8		13.00—13.30	0.02			
			13.30—14.00	Zero	SW	14.0	
			14.00—14.30	0.01	SW	14.0	
			14.30—20.00	Zero			
			20.00—20.30	0.04			
			20.30—24.00	Zero			
			0.00— 0.30	No Record	W	8.0	
			0.30— 1.00	0.03			
			1.00— 1.30	Zero			
			1.30— 2.00	0.01			
			2.00— 2.30	Zero			
			2.30— 3.00	0.02			
			3.00— 3.30	Zero			
		20		3.30— 4.00	Trace		
				4.00— 5.30	Zero		
				5.30— 6.00	0.01		
				6.00— 6.30	Zero		
				6.30— 7.00	0.01		
				7.00— 9.30	Zero		
				9.30—10.00	0.01		
		10.00—10.30	Zero				
		10.30—11.00	0.01				
		11.00—11.30	Zero	N	4.5		
30		11.30—12.00	0.01				
		12.00—12.30	Zero				
		12.30—13.00	0.01				
		13.00—14.30	Zero				
		14.30—15.00	0.01	E	2.8		
		15.00—15.30	Zero				
		15.30—16.00	0.03				
		16.00—16.30	Trace				
		16.30—17.00	0.03				
		17.00—17.30	0.03				
40		17.30—18.00	0.04				
		18.00—18.30	0.06				
		18.30—19.00	0.08				
		19.00—19.30	0.19	E	2.8		
		19.30—20.00	0.08				
		20.30—21.00	0.20				
		21.00—21.30	0.25				
		21.30—22.00	0.22				
		22.00—22.30	0.17				
		22.30—23.00	0.22				
50		23.00—23.30	0.14				
		23.30—24.00	0.08	S	5.0		
	Jan. 9	0.00— 0.30	No Record	S	6.4		
		0.30— 1.00	0.07				
		1.00— 1.30	0.07				

## EXHIBIT No. 166

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	1.30— 2.00	0.04				
	2.00— 2.30	0.03				
	2.30— 3.00	0.01				
	3.00— 3.30	0.03				
	3.30— 4.00	0.01				
	4.00— 4.30	0.04	S	6.4		
	4.30— 5.00	0.03				
	5.00— 5.30	0.05				
	5.30— 6.30	0.06				
	6.30— 7.00	0.03				
	7.00— 7.30	0.01				
	7.30— 8.00	0.05				
	8.00— 8.30	Trace				
20	8.30— 9.00	0.02	S	6.4		
	9.00— 9.30	0.03	S	6.4		
	9.30—10.00	Zero				
	10.00—10.30	0.01				
	10.30—11.00	Zero	W	5.8		
	11.00—11.30	0.01				
	11.30—12.00	Trace				
	12.00—24.00	Zero				
	Jan. 10 30	0.00— 8.00	Zero	W, N	2.5—6.7	
		8.00— 8.30	0.03	N	6.7	
8.30— 9.00		Zero				
9.00— 9.30		0.02				
9.30—10.00		Zero				
10.00—10.30		0.02				
10.30—11.00		Trace				
11.00—11.30		0.03				
11.30—14.30		Zero				
14.30—15.00		0.02				
15.00—15.30		Zero	N	6.7		
15.30—16.00		Trace				
40	16.00—16.30	Zero				
	16.30—17.00	0.03				
	17.00—17.30	Trace				
	17.30—18.00	0.03				
	18.00—18.30	Zero				
	18.30—19.00	0.02				
	19.00—19.30	Zero				
	19.30—20.00	0.02	NE	7.8		
	20.00—20.30	Trace				
	20.30—21.00	0.03				
50	21.00—21.30	Zero				
	21.30—22.00	0.04				
	22.00—22.30	Zero				
	22.30—23.00	0.04				
	23.00—23.30	Zero				
	23.30—24.00	0.01	NE	7.8		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Jan. 11	0.00—24.00	Zero	E	8.8
Jan. 12	0.00— 2.00	Zero	E	2.0
	2.00— 2.30	0.03		
	2.30— 3.00	0.02		
	3.00— 3.30	0.04		
	3.30— 8.00	Zero	W	12.6
	8.00— 8.30	Trace		
	8.30— 9.00	Zero		
	9.00— 9.30	0.08		
	9.30—11.00	0.06		
	11.00—12.00	0.04		
	12.00—12.30	0.06		
	12.30—13.00	0.08		
20	13.00—14.00	0.10		
	14.00—14.30	0.06	W	12.6
	14.30—15.00	No Record		
	15.00—16.00	0.08		
	16.00—16.30	0.07		
	16.30—21.00	Zero		
	21.00—21.30	0.04		
	21.30—22.30	0.08		
	22.30—23.00	0.13		
	23.00—23.30	0.06		
30	23.30—24.00	0.05	W	12.6
Jan. 13	0.00— 1.00	0.03	W	11.0
	1.00— 1.30	Zero		
	1.30— 2.00	0.03		
	2.00— 2.30	Trace		
	2.30— 3.00	0.03		
	3.00— 3.30	Zero		
	3.30— 4.00	0.06		
	4.00— 4.30	Trace		
	4.30— 5.00	0.04		
40	5.00— 5.30	Zero		
	5.30— 6.00	0.03	SW	18.8
	6.00— 6.30	Zero		
	6.30— 7.00	0.02		
	7.00— 7.30	Zero		
	7.30— 8.00	0.04		
	8.00— 8.30	0.03		
	8.30— 9.00	0.04		
	9.00— 9.30	0.04		
	9.30—10.00	0.06		
50	10.00—10.30	0.03		
	10.30—11.00	0.06	SW	18.8
	11.00—11.30	Zero		
	11.30—12.00	0.03		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	12.00—12.30	Trace				
	12.30—13.00	0.07				
	13.00—13.30	0.03				
	13.30—14.00	0.06				
	14.00—14.30	0.03				
	14.30—15.00	0.06				
	15.00—16.00	0.08	SW	18.8		
	16.00—20.30	Zero				
	20.30—21.00	0.03				
	21.00—21.30	Zero				
	21.30—22.00	0.03				
	22.00—22.30	Zero				
	22.30—23.00	0.03				
20	23.00—23.30	Zero				
	23.30—24.00	0.03	SW	18.8		
Jan. 14	0.00— 0.30	Zero	SW	13.0		
	0.30— 1.00	0.03				
	1.00— 1.30	Trace				
	1.30— 2.00	0.04				
	2.00— 2.30	Trace				
	2.30— 3.00	0.04				
	3.00— 3.30	0.03				
	3.30— 4.00	0.03				
	30	4.00— 6.30	Zero	NW, N	10.0—6.7	
		6.30— 7.00	0.03	N	6.7	
		7.00— 7.30	0.03			
		7.30— 8.30	Zero			
		8.30— 9.00	0.03			
9.00— 9.30		0.01				
9.30—10.00		0.03				
10.00—10.30		Zero				
10.30—12.00		0.03				
12.00—12.30		Zero				
40	12.30—13.00	0.02				
	13.00—13.30	Zero				
	13.30—14.00	0.02				
	14.00—14.30	No Record	N	6.7		
	14.30—15.00	Zero				
	15.00—15.30	0.03	N	6.7		
	15.30—16.00	Zero				
	16.00—16.30	0.04				
	16.30—17.00	Zero				
	17.00—17.30	0.04				
50	17.30—18.00	Zero				
	18.00—18.30	0.05				
	18.30—19.30	0.03	N, NE	6.7—6.0		
	19.30—20.00	0.02	NE	6.0		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		20.00—20.30	0.03		
		20.30—22.00	Zero	NE, E	6.0—4.0
		22.00—23.00	0.01		
		23.00—23.30	0.07		
		23.30—24.00	0.03		
	Jan. 15	0.00— 0.30	0.03	E	3.8
		0.30— 1.00	Zero		
		1.00— 1.30	0.04		
		1.30— 2.00	0.03		
		2.00— 2.30	0.06		
		2.30— 3.00	0.07		
		3.00— 4.30	0.08		
		4.30— 5.00	0.11		
20		5.00— 5.30	0.08		
		5.30— 6.00	0.10		
		6.00— 6.30	0.14		
		6.30— 7.30	0.20		
		7.30— 8.00	0.21		
		8.00— 8.30	0.14	SE	8.0
		8.30— 9.00	0.10		
		9.00— 9.30	0.04		
		9.30—10.00	0.06		
		10.00—12.00	Zero		
30		12.00—12.30	Trace		
		13.30—14.30	0.03		
		14.30—15.00	0.04		
		15.00—15.30	0.03		
		15.30—16.00	0.06		
		16.00—17.00	Zero	S	6.9
		17.00—17.30	Trace		
		17.30—18.00	Zero		
		18.00—18.30	0.03		
		18.30—19.00	Zero		
40		19.00—19.30	0.03		
		19.30—24.00	Zero	SW	10.0
	Jan. 16	0.00—24.00	Zero	SW, W	16.6—8.7
	Jan. 17	0.00— 6.00	Zero	W	5.3
		6.00— 7.00	0.03		
		7.00— 7.30	0.01		
		7.30— 8.00	Zero		
		8.00— 8.30	0.06		
		8.30— 9.00	Zero		
		9.00— 9.30	0.06		
50		9.30—10.00	Zero	N	5.4
		10.00—10.30	Trace		
		10.30—11.00	Zero		
		11.00—11.30	Trace		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	11.30—12.00	Zero			
	12.00—12.30	0.01			
	12.30—14.00	Zero	N	5.4	
	14.00—14.30	0.01	N	5.4	
	14.30—15.00	Zero			
	15.00—15.30	0.02			
	15.30—16.00	Zero			
	16.00—16.30	0.03			
	16.30—17.00	Zero			
	17.00—17.30	0.04			
20	17.30—18.00	0.01			
	18.00—18.30	0.03	E	5.0	
	18.30—19.00	Zero			
	19.00—19.30	Trace			
	19.30—20.00	Zero			
	20.00—20.30	0.02			
	20.30—21.00	Zero			
	21.00—21.30	0.01			
	21.30—24.00	Zero	E	5.0	
	Jan. 18	0.00— 0.30	Trace	E	3.0
30	0.30— 1.00	Zero			
	1.00— 1.30	0.02			
	1.30— 2.00	Zero			
	2.00— 3.00	0.03			
	3.00— 3.30	0.07			
	3.30— 4.30	0.06			
	4.30— 5.00	0.08			
	5.00— 5.30	0.06	S	3.0	
	5.30— 6.00	0.03			
	6.00— 6.30	0.06			
40	6.30— 7.00	0.09			
	7.00— 7.30	0.17			
	7.30— 8.00	0.15	E	5.5	
	8.00— 8.30	0.11			
	8.30— 9.00	0.14			
	9.00— 9.30	0.15			
	9.30—10.00	0.17			
	10.00—10.30	0.15			
	10.30—11.00	0.11			
	11.00—11.30	0.03			
50	11.30—12.00	0.08			
	12.00—12.30	0.07			
	12.30—13.00	0.13	E	5.5	
	13.00—14.00	0.07			
	14.00—15.00	0.04			
	15.00—15.30	Zero			
	15.30—16.30	0.01			
	16.30—17.00	Trace			



## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	17.00—18.00	0.03		
	18.00—18.30	0.08		
	18.30—19.00	0.04		
	19.00—19.30	0.13		
	19.30—20.00	0.06		
	20.00—21.00	0.01	S	16.5
	21.00—21.30	0.03		
	21.30—23.00	Zero		
	23.00—23.30	0.03		
	23.30—24.00	0.01		
Jan. 19	0.00— 5.00	Zero	SW	27.5
	5.00— 7.30	No Record		
	7.30— 8.00	0.08		
20	8.00— 9.00	0.06		
	9.00— 9.30	0.04	SW	27.5
	9.30—10.30	0.06	SW	27.5
	10.30—12.00	0.07		
	12.00—12.30	0.04		
	12.30—13.30	0.07		
	13.30—14.00	0.13	W	16.4
	14.00—14.30	0.10		
	14.30—15.00	0.17		
	15.00—15.30	0.08		
30	15.30—16.30	0.07		
	16.30—20.30	Zero		
	20.30—21.00	0.07	NW	18.0
	21.00—21.30	Zero		
	21.30—22.00	0.03		
	22.00—22.30	0.07	W	14.0
	22.30—23.00	0.09		
	23.00—24.00	0.08		
Jan. 20	0.00— 0.30	0.10	NW	12.4
	0.30— 1.00	0.01		
40	1.00— 4.00	Zero		
	4.00— 7.30	No Record	NW, N, W	12.4—6.0
	7.30— 8.00	0.03	W	6.4
	8.00—10.30	Zero	W, N	6.4—4.5
	10.30—11.00	0.03	N	4.5
	11.00—13.30	Zero	N, E	4.5—9.0
	13.30—14.00	Trace	E	9.0
	14.00—14.30	Zero		
	14.30—15.00	No Record		
50	15.00—15.30	0.01		
	15.30—16.00	Zero		
	16.00—16.30	0.01		
	16.30—17.00	Zero		
	17.00—17.30	0.01	E	9.0

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	17.30—18.00	Zero			9.0
	18.00—18.30	0.02			
	18.30—19.00	Zero			
	19.00—19.30	0.02			
	19.30—20.00	0.01			
	20.00—20.30	0.03			
	20.30—21.00	Trace	E		
	21.00—21.30	0.03			
	21.30—22.00	0.01			
	22.00—22.30	0.03			
	22.30—23.00	Zero			
	23.00—23.30	0.01			
	23.30—24.00	Zero	E	9.0	
20	Jan. 21 0.00— 0.30	0.01	E	12.0	
	0.30— 1.00	Zero			
	1.00— 1.30	Trace			
	1.30— 2.00	Zero			
	2.00— 2.30	Trace			
	2.30— 3.00	Zero			
	3.00— 3.30	Trace	E	12.0	
	3.30— 4.00	Zero			
	4.00— 4.30	0.02			
	4.30— 5.00	Zero			
	30	5.00— 5.30	0.01		
		5.30— 6.00	Trace		
		6.00— 6.30	0.02		
6.30— 7.00		0.01			
7.00— 7.30		0.06	E	12.0	
7.30— 8.00		0.02			
8.00— 9.00		0.03			
9.00—10.00		0.04			
10.00—11.00		0.03			
11.00—12.30		0.06			
40		12.30—13.30	Trace	S	10.0
		13.30—14.30	0.03		
		14.30—15.00	Zero		
	15.00—15.30	0.02			
	15.30—16.00	Zero			
	16.00—16.30	0.01			
	16.30—17.30	Zero			
	17.30—18.00	0.04			
	18.00—21.00	Zero			
	21.00—21.30	0.03	SW	16.0	
	50	21.30—22.00	Zero		
		22.00—22.30	0.03		
		22.30—23.00	0.01	SW	16.0
23.00—23.30		0.03			
23.30—24.00		Zero			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Jan. 22	0.00— 0.30	No Record	SW	16.0
		0.30— 1.00	0.03		
		1.00— 1.30	0.01	W	12.0
		1.30— 2.00	0.03		
		2.00— 2.30	0.02		
		2.30— 3.00	0.14		
		3.00— 3.30	0.09		
		3.30— 4.00	0.11	W	12.0
		4.00— 5.00	0.10		
		5.00— 5.30	0.02		
		5.30— 6.00	0.10		
		6.00— 6.30	0.04		
		6.30— 7.00	0.01	NW	8.0
20		7.00—19.30	Zero		
		19.30—20.00	0.01		
		20.00—20.30	Zero		
		20.30—21.00	0.01	N	5.5
		21.00—21.30	Zero		
		21.30—22.00	0.02		
		22.00—22.30	Zero		
		22.30—23.00	0.01		
		23.00—23.30	Zero		
		23.30—24.00	0.03		
30	Jan. 23	0.00— 0.30	No Record	N	2.0
		0.30— 1.00	Zero		
		1.00— 1.30	0.02		
		1.30— 2.00	Zero		
		2.00— 2.30	0.06		
		2.30— 3.00	0.04		
		3.00— 3.30	0.08		
		3.30— 4.00	0.06		
		4.00— 4.30	0.07		
		4.30— 5.00	0.13		
40		5.00— 5.30	0.08	E	6.8
		5.30— 6.00	0.11		
		6.00— 6.30	0.04		
		6.30— 7.00	0.03		
		7.00— 7.30	0.01		
		7.30— 8.00	Trace		
		8.00— 8.30	0.04		
		8.30— 9.00	0.03		
		9.00—10.00	0.01		
50		10.00—10.30	0.02		
		10.30—11.00	Zero		
		11.00—11.30	0.01		
		11.30—18.30	Zero	E, NE	6.8—8.0
		18.30—19.00	0.03	NE, E	8.0—6.9

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	19.00—19.30	Zero	NE	8.0	
	19.30—20.00	0.03	E	6.9	
	20.00—20.30	0.01			
	20.30—21.00	0.03			
	21.00—21.30	0.01			
	21.30—22.00	0.05			
	22.00—23.30	0.02			
	23.30—24.00	0.03	E	6.9	
	Jan. 24 0.00— 0.30	Trace	E	3.0	
	0.30— 1.00	0.03			
20	1.00— 1.30	0.02			
	1.30— 2.00	0.03			
	2.00— 2.30	0.03			
	2.30— 3.00	0.08			
	3.00— 3.30	0.04			
	3.30— 4.00	Trace			
	4.00— 4.30	Zero	E	3.0	
	4.30— 5.00	0.04			
	5.00— 5.30	Trace			
	5.30— 6.00	0.03			
30	6.00— 7.30	Zero			
	7.30— 8.00	0.01			
	8.00— 8.30	Zero			
	8.30— 9.00	0.06			
	9.00— 9.30	Zero	W	4.6	
	9.30—10.00	0.02			
	10.00—10.30	Zero			
	10.30—11.00	0.04			
	11.00—11.30	0.01			
	11.30—12.00	0.04			
40	12.00—12.30	Zero			
	12.30—13.00	0.03	W	4.6	
	13.00—13.30	0.01			
	13.30—14.00	0.02			
	14.00—14.30	Zero			
	14.30—15.00	0.01			
	15.00—15.30	Zero			
	15.30—16.00	0.01			
	16.00—16.30	Zero			
	16.30—17.00	0.02	W	4.6	
50	17.00—17.30	Zero			
	17.30—18.00	0.01			
	18.00—20.30	Zero			
	20.30—21.00	0.04			
	21.00—21.30	0.04			
	21.30—22.00	Zero			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.00—22.30	0.03	NE	9.0
		22.30—23.00	0.04		
		23.00—23.30	0.03		
		23.30—24.00	0.01		
	Jan. 25	0.00— 0.30	Zero	NE	11.5
		0.30— 1.00	0.02		
		1.00— 1.30	Zero		
		1.30— 2.00	0.02		
		2.00— 2.30	0.03		
		2.30— 3.00	Zero		
		3.00—24.00	Zero	NE, E	11.5—12.0
	Jan. 26	0.00— 8.00	Zero	NE	10.0
		8.00— 8.30	0.04		
20		8.30— 9.00	0.02		
		9.00— 9.30	0.03		
		9.30—10.00	Zero		
		10.00—10.30	0.02		
		10.30—11.00	Trace		
		11.00—11.30	0.03		
		11.30—18.00	Zero		
		18.00—18.30	0.01		
		18.30—19.00	Zero		
		19.00—19.30	0.03	NE	10.0
30		19.30—21.00	Zero	NE	10.0
		21.00—21.30	0.02		
		21.30—22.00	0.03		
		22.00—22.30	0.01		
		22.30—23.00	Trace		
		23.00—23.30	0.02		
		23.30—24.00	Zero	NE	10.0
	Jan. 27	0.00— 0.30	No Record	NE	4.0
		0.30— 1.00	0.03		
		1.00— 1.30	Zero		
40		1.30— 2.00	0.01		
		2.00— 2.30	Zero		
		2.30— 4.00	0.03	NE, S	4.0—3.5
		4.00— 4.30	Zero	W	2.5
		4.30— 5.00	0.01		
		5.00— 5.30	Zero		
		5.30— 6.00	0.01		
		6.00— 6.30	Zero		
		6.30— 7.00	0.04		
		7.00— 7.30	0.03		
50		7.30— 8.00	0.06	SW	4.0
		8.00— 9.30	0.03	SW, E	4.0—8.6
		9.30—10.30	0.01	E	8.6
		10.30—11.00	0.07		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	11.00—11.30	0.02			
	11.30—12.00	0.05			
	12.00—12.30	0.03			
	12.30—13.00	0.01			
	13.00—13.30	Zero			
	13.30—14.00	0.02			
	14.00—14.30	Trace	E	8.6	
	14.30—15.00	0.03			
	15.00—15.30	Zero			
	15.30—16.00	0.03			
20	16.00—16.30	Zero			
	16.30—17.00	0.03			
	17.00—17.30	Trace			
	17.30—18.00	0.03			
	18.00—18.30	0.01	E	8.6	
	18.30—19.00	0.03			
	19.00—19.30	0.02			
	19.30—20.00	0.03			
	20.00—20.30	0.01			
	20.30—21.00	0.05			
30	21.00—21.30	Zero			
	21.30—22.00	0.03			
	22.00—23.30	Zero			
	23.30—24.00	0.01	E	8.6	
	Jan. 28 0.00— 0.30	No Record	E	10.0	
	0.30— 1.00	Trace			
	1.00— 1.30	0.03			
	1.30— 2.00	Zero			
	2.00— 2.30	0.04			
	2.30— 3.00	0.03			
40	3.00— 4.00	0.03	E, Calm	10.0	
	4.00— 4.30	0.06	Calm		
	4.30— 5.00	0.04			
	5.00— 5.30	Zero			
	5.30— 6.00	0.03	SW	21.5	
	6.00— 6.30	0.05			
	6.30— 7.00	0.01	SW	21.5	
	7.00— 7.30	0.08			
	7.30— 8.00	0.02			
	8.00— 8.30	0.07			
50	8.30—10.00	0.06			
	10.00—11.00	0.04			
	11.00—11.30	0.05			
	11.30—12.00	0.05			
	12.00—12.30	0.02			
	12.30—14.00	0.04			
	14.00—15.00	0.05			
	15.00—15.30	0.07			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	15.30—16.00	0.13		
	16.00—16.30	0.04		
	16.30—22.00	Zero	SW, NW	21.5—18.0
	22.00—22.30	0.05	W	11.0
	22.30—23.00	0.03	W	11.0
	23.00—23.30	0.05		
	23.30—24.00	Zero		
Jan. 29	0.00— 0.30	0.05	W	14.0
	0.30— 2.00	0.03		
	2.00— 3.00	Zero		
	3.00— 3.30	0.05		
	3.30— 4.00	0.01		
	4.00— 4.30	0.03		
20	4.30—24.00	Zero	W, NW	14.0—10.0
Jan. 30	0.00—18.30	Zero	W	10.6
	18.30—19.30	Zero		
	19.30—20.00	0.01		
	20.00—21.30	Zero		
	21.30—22.00	0.04		
	22.00—22.30	0.07		
	22.30—23.00	0.10		
	23.00—23.30	0.15		
	23.30—24.00	0.16	W	10.6
30	Jan. 31	0.00— 0.30	W	3.0
	0.30— 1.30	0.24		
	1.30— 2.00	0.33		
	2.00— 2.30	0.29		
	2.30— 3.00	0.24		
	3.00— 3.30	0.18		
	3.30— 4.00	0.10		
	4.00— 4.30	0.06	SE	3.0
	4.30— 5.00	0.07		
	5.00— 5.30	0.07		
40	5.30— 6.00	0.05		
	6.00— 6.30	0.09	S	4.5
	6.30— 7.00	0.07		
	7.00— 7.30	No Record		
	7.30— 8.00	Trace		
	8.00— 8.30	0.05		
	8.30— 9.00	Trace		
	9.00— 9.30	0.05		
	9.30—10.30	0.03		
	10.30—12.00	0.08	E	4.0
50	12.00—12.30	0.15		
	12.30—13.00	0.13		
	13.00—13.30	0.03		
	13.30—14.00	0.03		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	14.00—15.00	0.04	E, NW	4.0—8.5	
	15.00—15.30	0.02	NW	8.5	
	15.30—16.00	Trace			
	16.00—16.30	0.03			
	16.30—17.00	0.02	W	9.7	
	17.00—17.30	0.03			
	17.30—18.00	0.01			
	18.00—18.30	0.03			
	18.30—19.00	0.01			
	19.00—19.30	0.03			
20	19.30—20.00	Zero			
	20.00—20.30	0.03	W	9.7	
	20.30—21.00	0.01			
	21.00—21.30	0.04			
	21.30—22.00	0.03			
	22.00—22.30	0.01			
	22.30—23.00	Zero			
	23.00—23.30	0.07			
	23.30—24.00	0.05	W	9.7	
	Feb. 1	0.00— 0.30	0.05	W	
30	0.30— 1.00	Zero			
	1.00— 1.30	0.03			
	1.30— 2.00	0.02			
	2.00— 2.30	0.07			
	2.30— 3.00	0.01			
	3.00— 3.30	0.05			
	3.30— 4.30	0.03			
	4.30— 5.00	0.01	W	16.5	
	5.00— 5.30	0.05			
	5.30— 6.00	0.07			
40	6.00— 6.30	0.05			
	6.30— 7.00	0.04			
	7.00— 7.30	0.07			
	7.30— 8.00	0.10			
	8.00—10.00	0.07			
	10.00—10.30	0.10			
	10.30—11.00	0.07	W	16.5	
	11.30—12.00	0.05			
	12.00—12.30	0.09			
	12.30—13.00	0.07			
50	13.00—13.30	0.09			
	13.30—14.30	0.08			
	14.30—15.00	0.11			
	15.00—15.30	0.13			
	15.30—16.30	Trace			
	16.30—20.00	Zero	W	16.5	
	20.00—20.30	0.03			
	20.30—21.00	Trace			



## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued*

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		21.00—21.30	0.04		
		21.30—22.00	Trace		
		22.00—22.30	0.04		
		22.30—23.00	0.03		
		23.00—23.30	0.05		
		23.30—24.00	0.03	W	16.5
	Feb. 2	0.00— 1.00	No Record		
		1.00— 1.30	0.04	W	10.8
		1.30— 2.00	0.03		
		2.00— 2.30	0.04		
		2.30— 3.00	Trace		
		3.00— 3.30	0.04		
		3.30— 4.00	Trace	W	10.8
20		4.00— 4.30	0.03		
		4.30— 5.00	0.01		
		5.00— 5.30	0.07		
		5.30— 6.00	Zero		
		6.00— 6.30	0.10		
		6.30— 7.00	0.04		
		7.00— 8.00	0.01	W	10.8
		8.00— 8.30	0.06		
		8.30— 9.00	0.03		
		9.00— 9.30	0.04		
30		9.30—10.00	0.03		
		10.00—10.30	0.06		
		10.30—11.00	0.03		
		11.00—11.30	0.06		
		11.30—12.30	0.03	W	10.8
		12.30—13.00	0.09		
		13.00—13.30	0.11		
		13.30—14.00	0.06		
		14.00—14.30	0.08		
		14.30—15.30	0.07		
40		15.30—16.00	0.08		
		16.00—16.30	0.06		
		16.30—24.00	Zero	W	10.8
	Feb. 3	0.00— 5.00	Zero	W	4.7
		5.00— 5.30	0.03		
		5.30— 6.00	0.01	S	6.0
		6.00— 6.30	0.05		
		6.30— 7.00	0.01		
		7.00— 7.30	0.11		
		7.30— 8.00	0.04		
50		8.00— 8.30	0.03		
		8.30— 9.00	0.06	S	6.0
		9.00— 9.30	0.05		
		9.30—10.00	0.01		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	10.00—12.30	0.03			
	12.30—13.00	0.01			
	13.00—13.30	0.10			
	13.30—14.00	0.06	E	5.7	
	14.00—14.30	0.04			
	14.30—15.30	0.07			
	15.30—16.00	0.11			
	16.00—16.30	0.07			
	16.30—17.00	0.05			
	17.00—18.00	0.01			
20	18.00—18.30	0.03	E	5.7	
	18.30—19.00	0.02			
	19.00—19.30	0.08			
	19.30—20.00	0.05			
	20.00—21.00	Trace			
	21.00—21.30	0.04			
	21.30—22.00	0.02			
	22.00—23.30	0.06			
	23.30—24.00	0.10	E	5.7	
	Feb. 4	0.00— 0.30	No Record	S	2.0
30	0.30— 1.00	0.11			
	1.00— 1.30	0.15			
	1.30— 2.00	0.22			
	2.00— 2.30	0.30			
	2.30— 3.00	0.28			
	3.00— 3.30	0.31	S	2.0	
	3.30— 4.00	0.34	S	2.0	
	4.00— 4.30	0.31			
	4.30— 5.00	0.17			
	5.00— 5.30	0.18			
40	5.30— 6.00	0.22			
	6.00— 6.30	0.15			
	6.30— 7.00	0.22			
	7.00— 7.30	0.18	E	2.0	
	7.30— 8.00	0.21			
	8.00— 8.30	0.23			
	8.30— 9.00	0.10			
	9.00— 9.30	0.07	S	4.0	
	9.30—10.00	0.01			
	10.00—10.30	0.03			
50	10.30—11.00	0.07			
	11.00—12.30	0.04	W	6.8	
	12.30—13.00	0.11			
	13.00—13.30	0.10			
	13.30—14.00	0.03			
	14.00—16.00	Zero	N	5.8	
	16.00—16.30	0.01			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	16.30—17.00	0.05		
	17.00—17.30	Zero		
	17.30—18.00	0.06		
	18.00—18.30	Zero		
	18.30—19.00	0.06		
	19.00—19.30	0.01	N	5.8
	19.30—20.00	0.03		
	20.00—20.30	Trace		
	20.30—21.00	0.03		
	21.00—21.30	0.01		
	21.30—22.00	0.03		
	22.00—22.30	Zero		
	22.30—23.00	0.03		
20	23.00—24.00	0.03	N	5.8
Feb. 5	0.00— 2.00	Zero	N	4.0
	2.00— 2.30	0.08		
	2.30— 8.00	Zero	N, W	4.0—4.7
	8.00— 8.30	0.02	N	4.7
	8.30— 9.00	Zero		
	9.00—10.00	Trace		
	10.00—10.30	0.03		
	10.30—11.00	Trace		
	11.00—11.30	0.03		
30	11.30—12.00	Zero	N	4.7
	12.00—12.30	0.03		
	12.30—13.00	Zero		
	13.00—13.30	0.02		
	13.30—16.00	Zero		
	16.00—16.30	0.01		
	16.30—17.00	Zero	E	3.5
	17.00—18.00	0.01		
	18.00—20.30	0.06		
	20.30—22.00	0.06		
40	22.00—23.00	0.07		
	23.00—24.00	0.10	E	3.5
Feb. 6	0.00— 0.30	No Record	E	4.7
	0.30— 1.30	0.06		
	1.30— 2.00	0.08		
	2.00— 2.30	0.04		
	2.30— 3.00	0.03	E	4.7
	3.00— 4.00	0.07		
	4.00— 5.00	0.13		
	5.00— 5.30	0.07		
50	5.30— 6.00	0.14		
	6.00— 6.30	0.09		
	6.30— 7.00	0.11		
	7.00— 7.30	0.07		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	7.30— 8.30	0.11	E	4.7	
	8.30— 9.00	0.14			
	9.00— 9.30	0.11			
	9.30—10.00	0.14			
	10.00—10.30	0.15			
	10.30—11.00	0.17			
	11.00—11.30	0.09			
	11.30—12.00	0.06			
	12.00—12.30	0.04			
	12.30—13.30	0.02			
	13.30—14.00	0.03	E		
	14.00—14.30	0.01			
	14.30—15.00	0.03			
	20	15.00—15.30	Trace		
15.30—16.00		0.02			
16.00—16.30		Trace			
16.30—17.00		0.06			
17.00—18.30		0.04			
18.30—19.00		0.07			
19.00—19.30		0.10	S		
19.30—20.00		0.07			
20.00—20.30		0.02			
20.30—21.00		0.04			
30	21.00—21.30	0.07		8.5	
	21.30—22.00	Zero			
	22.00—23.00	0.01			
	23.00—23.30	Zero			
	23.30—24.00	0.03	S		
	Feb. 7	0.00— 5.00	Zero		
40	5.00— 6.00	Trace	SW	18.4	
	6.00— 6.30	0.10			
	6.30— 7.00	0.07			
	7.00— 8.30	0.06	SW, W		
	8.30— 9.00	0.10	W		
	9.00—10.00	0.14			
	10.00—10.30	0.15			
	10.30—11.30	0.06	SW		
	11.30—12.00	0.04			
	12.00—12.30	0.02			
	12.30—13.00	0.06			
	13.00—13.30	0.07			
	13.30—14.30	0.13			
	14.30—15.00	0.11			
50	15.00—15.30	0.10	SW	13.8	
	15.30—16.00	0.07			
	16.00—16.30	0.06			
	16.30—17.00	0.03			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued*

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	17.00—17.30	0.01		
	17.30—18.00	Trace		
	18.00—18.30	0.04		
	18.30—19.00	0.02		
	19.00—19.30	0.05		
	19.30—20.00	0.02	SW	13.8
	20.00—20.30	0.03	SW	13.8
	20.30—21.00	0.01		
	21.00—21.30	0.03		
	21.30—24.00	Zero	W	2.6
Feb. 8	0.00— 0.30	No Record	S	5.7
	0.30— 1.00	0.03		
	1.00— 1.30	0.01		
20	1.30— 2.00	0.06		
	2.00— 3.00	0.10		
	3.00— 3.30	0.01		
	3.30— 4.00	0.03		
	4.00— 5.00	0.02	S	5.7
	5.00— 5.30	0.01		
	5.30— 6.30	0.03		
	6.30— 8.30	0.06		
	8.30— 9.30	Zero		
	9.30—10.00	Zero		
30	10.00—11.00	0.02		
	11.00—12.30	Zero	SW	15.6
	12.30—13.00	0.01		
	13.00—13.30	Zero		
	13.30—14.00	0.04		
	14.00—14.30	0.05		
	14.30—15.00	0.03		
	15.00—15.30	Zero		
	15.30—16.00	0.01	SW	15.6
	16.00—19.30	Zero		
40	19.30—20.00	0.03		
	20.00—22.30	Zero		
	22.30—23.00	0.03		
	23.00—23.30	Zero		
	23.30—24.00	0.03	SW	15.6
Feb. 9	0.00— 0.30	0.02	SW	14.0
	0.30— 1.00	0.03		
	1.00— 5.30	Zero	SW, W	14.0—9.7
	5.30— 6.00	0.06	W	9.7
	6.00— 6.30	0.10		
50	6.30— 7.00	0.10		
	7.00— 7.30	0.15		
	7.30— 8.00	0.21		
	8.00— 8.30	0.23		
	8.30— 9.00	0.19		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	9.00— 9.30	0.09			9.7
	9.30—10.30	0.15	W		
	10.30—12.00	0.13			
	12.00—12.30	0.04			
	12.30—13.00	0.09			
	13.00—14.00	0.18			
	14.00—15.00	0.11			
	15.00—15.30	0.13			
	15.30—16.00	0.10	W		
	16.00—16.30	0.06			
	16.30—18.30	Zero			
	18.30—19.00	0.03			
	19.00—20.30	Zero			
	20.30—21.00	0.03			
21.00—24.00	Zero	W	9.7		
20 Feb. 10	0.00— 0.30	No Record	W	3.4	
	0.30— 1.00	Zero			
	1.00— 1.30	0.04	W	3.4	
	1.30— 2.00	0.02			
	2.00— 2.30	0.05			
	2.30— 3.00	0.06			
	3.00— 3.30	0.02			
	3.30— 4.00	0.06			
	30	4.00— 5.00	0.07		
		5.00— 5.30	0.05	SE	4.0
		5.30— 6.30	0.09		
		6.30— 7.00	0.15		
		7.00— 7.30	0.18		
		7.30— 8.00	0.15		
8.00— 8.30		0.09			
8.30— 9.30		0.02			
9.30—10.30		0.04			
10.30—11.00		0.07			
40		11.00—11.30	0.06		
		11.30—12.00	0.09	E	5.0
		12.00—12.30	0.06		
		12.30—13.00	0.03		
	13.00—13.30	0.02			
	13.30—15.00	Zero			
	15.00—15.30	0.01			
	15.30—16.00	Zero	N	3.0	
	16.00—16.30	0.01			
	16.30—20.00	Zero			
	50	20.00—20.30	0.03	W	5.0
		20.30—21.00	Zero		
		21.00—21.30	0.02		
		21.30—22.00	Zero		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued		Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
			22.00—22.30	0.06		
			22.30—23.00	0.04		
			23.00—24.00	Zero	NW	24.0
	Feb. 11		0.00— 7.30	Zero	NW	18.0
			7.30— 8.30	0.03	N	6.5
			8.30— 9.00	0.01		
			9.00— 9.30	Zero		
			9.30—10.00	0.03		
			10.00—11.00	0.02		
			11.00—12.00	0.01		
			12.00—17.30	Zero	N, E	6.5—4.0
			17.30—18.00	0.02	E	4.0
20			18.00—18.30	Zero		
			18.30—19.00	0.03		
			19.00—19.30	0.03		
			19.30—20.00	0.06		
			20.00—20.30	0.10		
			20.30—21.00	0.15		
			21.00—21.30	0.16		
			21.30—22.00	0.13		
			22.00—22.30	0.25		
			22.30—23.00	0.16		
			23.00—23.30	0.22		
30			23.30—24.00	0.18		
	Feb. 12		0.00— 0.30	0.13	S	9.2
			0.30— 1.00	0.07		
			1.00— 1.30	0.06		
			1.30— 2.30	0.03		
			2.30— 4.30	0.01		
			4.30— 5.00	0.03	S	9.2
			5.00— 5.30	Zero	S	9.2
			5.30— 6.00	0.04		
			6.00— 6.30	0.03		
40			6.30— 7.00	0.01		
			7.00— 7.30	Zero		
			7.30— 8.00	0.03		
			8.00— 8.30	No Record		
			8.30— 9.00	Zero		
			9.00— 9.30	0.04	S	9.2
			9.30—24.00	Zero	S, SW	9.2—14.7
	Feb. 13		0.00—24.00	Zero	SW, W, N	12.0—4.0
	Feb. 14		0.00— 7.30	Zero	W	7.0
			7.30— 8.00	0.04		
50			8.00— 8.30	Zero		
			8.30— 9.00	0.04		
			9.00— 9.30	Trace		
			9.30—10.00	0.04		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	10.00—10.30	Trace			
	10.30—11.00	0.05			
	11.00—11.30	0.02			
	11.30—12.00	0.03			
	12.00—12.30	Zero			
	12.30—13.00	Trace	N		4.0
	13.00—15.30	Zero			
	15.30—16.00	0.01			
	16.00—16.30	Zero			
	16.30—17.00	0.01	E		7.0
20	17.00—17.30	Zero			
	17.30—18.00	0.03			
	18.00—18.30	Zero			
	18.30—19.00	0.03			
	19.00—19.30	0.01			
	19.30—20.00	0.03	E		7.0
	20.00—20.30	Zero			
	20.30—21.00	0.03			
	21.00—22.30	Zero			
	22.30—23.00	0.03			
30	23.00—23.30	0.01			
	23.30—24.00	0.04	E		7.0
	Feb. 15 0.00— 0.30	No Record	E		4.7
	0.30— 1.00	Trace			
	1.00— 1.30	0.04			
	1.30— 2.00	Trace			
	2.00— 2.30	0.03			
	2.30— 3.00	Trace			
	3.00— 3.30	0.03			
	3.30— 4.00	Zero			
40	4.00— 4.30	0.03			
	4.30— 5.00	Zero			
	5.00— 5.30	0.02			
	5.30— 6.30	0.01	E, SW		4.7—17.8
	6.30— 7.00	Zero	SW		17.8
	7.00— 7.30	0.04			
	7.30— 8.00	Zero			
	8.00— 8.30	0.01			
	8.30— 9.00	Zero			
	9.00— 9.30	0.03			
50	9.30—10.30	0.05			
	10.30—11.30	0.06	SW		17.8
	11.30—12.00	0.05	W		14.2
	12.00—12.30	Zero			
	12.30—13.00	0.07			
	13.00—14.00	0.11			
	14.00—14.30	0.12			
	14.30—15.30	0.13			



## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	15.30—16.00	0.16		
	16.00—16.30	0.10	W	14.2
	16.30—17.00	0.05		
	17.00—17.30	0.08		
	17.30—18.00	0.05		
	18.00—18.30	0.04		
	18.30—19.00	0.03		
	19.00—20.00	0.02	SW	16.4
	20.00—20.30	0.03		
	20.30—21.00	Trace		
	21.00—21.30	0.03		
	21.30—22.00	0.03		
	22.00—22.30	0.04		
20	22.30—23.30	0.03		
	23.30—24.00	Trace	SW	16.4
Feb. 16	0.00— 0.30	0.03	SW	14.2
	0.30— 1.00	Zero		
	1.00— 1.30	Trace		
	1.30—13.30	Zero		
	13.30—14.00	0.02		
	14.00—14.30	Zero		
	14.30—15.00	0.02		
	15.00—16.00	0.02		
30	16.00—16.30	Zero		
	16.30—17.00	0.03	W	10.0
	17.00—21.30	Zero	W, SW	10.0—8.5
	21.30—22.00	0.01	SW	8.5
	22.00—22.30	Zero	NW	16.0
	22.30—23.00	0.10		
	23.00—23.30	0.05		
	23.30—24.00	0.06	NW	16.0
Feb. 17	0.00— 0.30	0.05	NW	19.0
	0.30— 1.30	0.01		
40	1.30— 6.00	Zero	NW, W	19.0—18.0
	6.00— 6.30	0.15	W	18.0
	6.30— 7.00	0.20	NW	17.0
	7.00— 7.30	0.15		
	7.30— 8.00	0.19		
	8.00— 8.30	0.08		
	8.30— 9.00	0.11		
	9.00— 9.30	0.08		
	9.30—10.30	0.10		
	10.30—11.00	0.15		
50	11.00—11.30	0.14	W	11.0
	11.30—12.00	0.11		
	12.00—12.30	0.09		
	12.30—13.00	0.12		
	13.00—13.30	0.10		
	13.30—14.00	0.13		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	14.00—14.30	0.09			
	14.30—15.00	0.11			
	15.00—15.30	0.08			
	15.30—16.00	0.13	W		11.0
	16.00—17.30	0.03	W		11.0
	17.30—18.00	0.01			
	18.00—19.30	Zero			
	19.30—20.00	0.01			
	20.00—20.30	Zero			
	20.30—21.00	0.02			
	21.00—21.30	0.02			
	21.30—23.30	0.03	W, S		11.0—4.0
	23.30—24.00	0.03	S		4.0
20	Feb. 18	0.00— 0.30	S		8.0
		0.30— 1.00			
		1.00— 1.30	Zero		
		1.30— 2.00	0.03		
		2.00— 2.30	Zero		
		2.30— 3.00	0.04	S	8.0
		3.00— 3.30	0.03		
		3.30— 4.30	Zero		
		4.30— 5.00	0.01		
		5.00— 5.30	Zero		
		5.30— 6.00	0.01	SW	18.6
30		6.00— 6.30	Zero		
		6.30— 7.00	0.02		
		7.00— 7.30	Zero		
		7.30— 8.00	0.01		
		8.00— 8.30	Zero		
		8.30— 9.00	No Record		
		9.00— 9.30	0.01		
		9.30—11.00	Zero		
		11.00—11.30	0.03		
		11.30—12.00	Zero	SW	18.6
		12.00—12.30	0.01		
40		12.30—13.00	Zero		
		13.00—13.30	0.02		
		13.30—14.30	Zero		
		14.30—15.00	0.01		
		15.00—15.30	0.02		
		15.30—16.00	Zero		
		16.00—16.30	0.01		
		16.30—23.00	Zero		
		23.00—23.30	0.02		
		23.30—24.00	Zero	SW	18.6
	50	Feb. 19	0.00— 7.30	SW	
		7.30— 8.00			
		8.00—17.30	No Record	SW, N, NE, E	10.0—8.2—4.7

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	17.30—24.00	Zero	E	10.0
Feb. 20	0.00— 9.30	Zero	E, N.	7.0—8.3
	9.30—10.00	0.03	N	8.3
	10.00—10.30	Zero		
	10.30—11.00	0.03		
	11.00—11.30	Zero		
	11.30—12.00	0.03		
	12.00—16.30	Zero		
	16.30—17.00	0.03	N	8.3
	17.00—18.30	Zero		
	18.30—19.00	0.02		
	19.00—19.30	Zero		
	19.30—20.00	0.03		
20	20.00—20.30	0.01		
	20.30—21.00	0.07	N	8.3
	21.00—21.30	Zero	N	8.3
	21.30—22.00	0.04		
	22.00—22.30	0.01		
	22.30—23.00	0.03		
	23.00—23.30	0.01		
	23.30—24.00	0.06		
Feb. 21	0.00— 0.30	0.01	N	3.0
	0.30— 1.00	0.06		
30	1.00— 1.30	0.01		
	1.30— 2.00	0.04		
	2.00— 2.30	Zero		
	2.30— 3.00	0.03		
	3.00— 3.30	Zero		
	3.30— 4.00	0.04		
	4.00— 4.30	Zero	N	3.0
	4.30— 5.00	0.03		
	5.00— 5.30	Zero		
	5.30— 6.00	0.03		
40	6.00— 6.30	Zero		
	6.30— 7.00	0.01		
	7.00— 7.30	0.04		
	7.30— 8.00	0.08	E	7.0
	8.00— 8.30	0.10		
	8.30— 9.00	0.04		
	9.00— 9.30	0.06		
	9.30—10.00	0.04		
	10.00—10.30	0.03		
	10.30—11.30	0.01		
50	11.30—12.00	0.04		
	12.00—12.30	Trace		
	12.30—13.00	0.04	E	7.0
	13.00—19.30	Zero		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	19.30—20.00	0.03			
	20.00—20.30	Zero			
	20.30—21.00	0.04			
	21.00—21.30	0.01			
	21.30—22.00	0.03			
	22.00—22.30	0.03			
	22.30—23.00	0.11	S	3.0	
	23.00—23.30	0.10			
	23.30—24.00	0.12			
	Feb. 22	0.00— 0.30	0.20	S	2.5
20	0.30— 1.00	0.25			
	1.00— 1.30	0.20			
	1.30— 2.00	0.20			
	2.00— 3.00	0.12			
	3.00— 3.30	0.15			
	3.30— 4.00	0.17			
	4.00— 4.30	0.14			
	4.30— 5.00	0.13			
	5.00— 5.30	0.17			
	5.30— 6.00	0.14	E	3.0	
30	6.00— 6.30	0.08			
	6.30— 7.00	0.11			
	7.00— 7.30	0.05			
	7.30— 8.00	0.03			
	8.00— 8.30	0.07			
	8.30— 9.30	0.08			
	9.30—10.00	0.11			
	10.00—10.30	0.10	E	3.0	
	10.30—11.00	0.06	E	3.0	
	11.00—11.30	0.03			
40	11.30—12.30	Trace			
	12.30—13.00	0.03			
	13.00—13.30	Zero			
	13.30—14.00	No Record	N	7.5	
	14.00—14.30	0.04			
	14.30—15.00	Zero			
	15.00—15.30	0.03			
	15.30—16.00	Zero			
	16.00—16.30	0.03			
	16.30—17.00	Zero			
50	17.00—18.00	0.02	N	7.5	
	18.00—18.30	0.07			
	18.30—19.00	0.02			
	19.00—19.30	0.01			
	19.30—20.00	Zero			
	20.00—20.30	0.02			
	20.30—24.00	Zero	N	7.5	

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	Feb. 23	0.00— 5.30	Zero	N, W	9.0
		5.30— 6.00	0.03	W	9.0
		6.00— 7.00	0.04		
		7.00— 7.30	0.01		
		7.30— 8.00	0.03		
		8.00— 8.30	Zero		
		8.30— 9.00	0.03		
		9.00— 9.30	Zero		
		9.30—10.00	0.03		
		10.00—10.30	Zero		
		10.30—11.00	0.03	W	9.0
		11.00—12.00	0.01		
20		12.00—12.30	Zero		
		12.30—13.00	0.06		
		13.00—13.30	0.01		
		13.30—14.00	0.02		
		14.00—14.30	0.01		
		14.30—15.00	0.05		
		15.00—15.30	Zero		
		15.30—17.00	0.03		
		17.00—18.00	Trace	W	9.0
		18.00—19.30	Zero		
		19.30—20.00	0.03		
30		20.00—20.30	Trace		
		20.30—21.00	0.06		
		21.00—21.30	0.01		
		21.30—22.00	0.05		
		22.00—22.30	0.02		
		22.30—23.00	0.04		
		23.00—24.00	0.03	W	9.0
	Feb. 24	0.00— 0.30	No Record	W	10.0
		0.30— 1.30	0.03		
		1.30— 2.00	Zero		
40		2.00— 3.30	0.01		
		3.30— 4.00	Zero		
		4.00— 4.30	0.02		
		4.30— 5.00	Zero		
		5.00— 5.30	Trace		
		5.30— 6.00	Zero		
		6.00— 6.30	0.03		
		6.30— 7.00	0.01	W	10.0
		7.00— 7.30	0.03	W	10.0
		7.30— 8.00	Zero		
50		8.00— 9.00	0.03		
		9.00—10.00	Zero	S	7.4
		10.00—10.30	0.02		
		10.30—12.00	0.04		
		12.00—12.30	0.01		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	12.30—13.00	Zero				
	13.00—13.30	0.03				
	13.30—15.00	Zero				
	15.00—15.30	0.08				
	15.30—16.30	0.03	S, E	7.4—3.0		
	16.30—17.00	0.01	E	3.0		
	17.00—18.30	0.06				
	18.30—19.00	0.10				
	19.00—19.30	0.07				
	19.30—20.00	0.08				
	20.00—21.00	0.06				
	21.00—21.30	0.03	SW	9.0		
	21.30—22.00	Zero				
20	22.00—22.30	0.03				
	22.30—24.00	Zero				
Feb. 25	0.00— 6.00	Zero	SW, W	13.0—15.0		
	6.00— 6.30	0.03	W	15.0		
	6.30— 7.00	Zero				
	7.00— 7.30	0.04				
	7.30— 8.00	0.02				
	8.00— 8.30	0.05				
	8.30— 9.00	0.03				
	9.00—10.00	0.04	W	15.0		
	30	10.00—11.00	0.07			
		11.00—11.30	0.08			
11.30—12.00		0.07				
12.00—12.30		0.13				
12.30—13.00		0.11				
13.00—13.30		0.16				
13.30—14.00		0.13	W	15.0		
14.00—14.30		0.16				
14.30—15.00		0.13				
15.00—15.30		0.14				
40	15.30—16.00	0.13				
	16.00—16.30	0.09				
	16.30—17.00	0.08	NW	15.0		
	17.00—17.30	0.04				
	17.30—18.00	Zero				
	18.00—18.30	0.01				
	18.30—19.00	Zero				
	19.00—19.30	0.01				
	19.30—20.00	Zero				
	20.00—20.30	0.02				
50	20.30—24.00	Zero	NW	15.0		
	Feb. 26	0.00— 8.30	Zero	N	10.0	
		8.30— 9.00	0.01			
		9.00— 9.30	Zero			

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
			9.30—10.00	0.01	
		10.00—10.30	Zero		
		10.30—11.00	0.02		
		11.00—11.30	Zero		
		11.30—12.00	0.04		
		12.00—12.30	Zero	N	10.0
		12.30—13.00	0.02	N	10.0
		13.00—13.30	Zero		
		13.30—14.00	0.03		
		14.00—15.00	0.01		
		15.00—15.30	Zero		
		15.30—16.00	0.02		
		16.00—16.30	Zero		
20		16.30—17.00	0.02	E	3.4
		17.00—19.30	Zero		
		19.30—20.00	0.02		
		20.00—20.30	0.01		
		20.30—21.00	0.05		
		21.00—21.30	0.01		
		21.30—22.00	0.05		
		22.00—23.00	0.03		
		23.00—23.30	0.04	S	3.0
		23.30—24.00	0.08		
30	Feb. 27	0.00— 0.30	No Record	S	3.7
		0.30— 1.30	0.03		
		1.30— 2.00	0.08		
		2.00— 2.30	0.22		
		2.30— 3.00	0.08		
		3.00— 3.30	0.14		
		3.30— 4.00	0.12		
		4.00— 4.30	0.06		
		4.30— 5.00	0.06		
		5.00— 5.30	0.08		
40		5.30— 6.30	0.11	E	2.4
		6.30— 7.00	0.14		
		7.00— 7.30	0.22		
		7.30— 8.00	0.16		
		8.00— 8.30	0.12	S	2.4
		8.30— 9.00	0.14	S	2.4
		9.00— 9.30	0.11		
		9.30—10.30	0.07		
		10.30—11.30	0.06	E	8.3
		11.30—12.00	0.05		
50		12.00—13.00	0.03		
		13.00—13.30	0.03		
		13.30—14.00	Zero		
		14.00—14.30	0.03	E	8.3

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166, Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
		14.30—20.00	Zero			
		20.00—20.30	0.03			
		20.30—23.00	Zero			
10		23.00—23.30	0.03			
		23.30—24.00	Zero	E	8.3	
	Feb. 28	0.00— 0.30	No Record	N	6.0	
		0.30— 1.00	0.03			
		1.00— 6.30	Zero			
		6.30— 7.00	0.02			
		7.00— 9.30	Zero	N, NW	6.0—13.7	
		9.30—10.30	0.03	NW	13.7	
		10.30—11.00	0.05			
		11.00—11.30	Zero			
20		11.30—12.00	0.11			
		12.00—12.30	0.07	W	16.4	
		12.30—13.00	0.14			
		13.00—13.30	0.12			
		13.30—14.00	0.16			
		14.00—14.30	0.12			
		14.30—15.00	0.17			
		15.00—15.30	0.12			
		15.30—16.00	0.14			
		16.00—16.30	0.04	W	16.4	
30		16.30—17.00	0.03			
		17.00—17.30	0.01			
		17.30—18.00	0.03			
		18.00—18.30	Trace			
		18.30—19.00	0.05			
		19.00—19.30	0.04			
		19.30—20.00	0.09			
		20.00—20.30	0.04	N	16.4	
		20.30—21.00	0.05			
		21.00—21.30	Trace			
40		21.30—22.00	0.03			
		22.00—24.00	Zero			
	Mar. 1	0.00—13.00	Zero	N	12.0	
		13.00—13.30	0.04			
		13.30—22.00	Zero			
		22.00—22.30	0.02			
		22.30—23.00	Zero			
		23.00—23.30	0.01			
		23.30—24.00	Zero	N	12.0	
50	Mar. 2	0.00— 0.30	No Record	W	5.5	
		0.30— 1.00	0.01			
		1.00— 1.30	Zero			
		1.30— 2.00	0.03			
		2.00— 2.30	Zero			



## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	2.30— 3.00	0.04		
	3.00— 3.30	Zero		
	3.30— 4.00	0.04		
	4.00— 4.30	Zero	N	7.0
	4.30— 5.00	0.03	N	7.0
	5.00— 5.30	Zero		
	5.30— 6.00	0.01		
	6.00— 6.30	Zero	W	7.6
	6.30— 7.00	0.02		
	7.00— 8.30	Zero		
	8.30— 9.00	0.05		
	9.00— 9.30	Zero		
	9.30—10.00	0.04		
20	10.00—10.30	0.02		
	10.30—11.00	0.06	W	7.6
	11.00—11.30	Zero		
	11.30—12.00	0.04		
	12.00—13.30	Zero		
	13.30—14.00	0.05		
	14.00—14.30	0.03		
	14.30—15.00	0.05		
	15.00—15.30	Zero		
	15.30—16.00	0.07	W	7.6
30	16.00—16.30	0.02		
	16.30—17.00	0.03		
	17.00—17.30	0.02		
	17.30—18.00	0.03		
	18.00—18.30	0.01		
	18.30—19.00	0.03		
	19.00—19.30	Zero		
	19.30—20.00	0.02		
	20.00—20.30	Zero	W	7.6
	20.30—21.00	0.02		
40	21.00—21.30	0.01		
	21.30—22.00	0.08		
	22.00—22.30	Zero	N	7.0
	22.30—23.00	0.03		
	23.00—23.30	Zero		
	23.30—24.00	0.01		
Mar. 3	0.00— 0.30	No Record	N	8.0
	0.30— 1.00	Zero		
	1.00— 1.30	0.01		
	1.30— 2.00	Zero		
50	2.00— 2.30	Trace		
	2.30— 3.00	Zero		
	3.00— 3.30	0.02		
	3.30— 6.00	Zero		

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	6.00— 6.30	0.01	N	8.0	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
	6.30— 7.00	Zero				
	7.00— 7.30	0.03				
	7.30— 8.00	0.01				
	8.00— 8.30	0.05				
	8.30— 9.00	0.03	N	8.0		
	9.00— 9.30	0.05				
	9.30—10.00	0.03				
	10.00—10.30	0.04				
	10.30—11.00	0.01				
20	11.00—11.30	0.03	N	8.0		
	11.30—12.00	Zero				
	12.00—12.30	0.02				
	12.30—13.00	Zero				
	13.00—13.30	0.01				
	13.30—18.00	Zero				
	18.00—18.30	0.02				
	18.30—19.00	Zero			N	8.0
	19.00—19.30	0.06				
	19.30—20.00	0.07			SE	3.0
20.00—20.30	0.05					
20.30—21.00	0.03	SE, W	3.0—6.0			
21.00—24.00	Zero					
30 Mar. 4	0.00— 5.00	Zero	W	6.0		
	5.00— 5.30	0.02				
	5.30— 6.00	Zero	S	6.0		
	6.00— 6.30	0.02				
	6.30— 7.00	Zero				
	7.00— 7.30	0.02				
	7.30— 8.00	Zero				
	8.00— 8.30	0.03				
	8.30— 9.00	Zero				
	9.00— 9.30	0.04			SW	10.0
9.30—10.00	Zero					
10.00—10.30	0.03	S			8.5	
10.30—11.00	Zero					
11.00—11.30	0.02					
11.30—12.00	Zero					
12.00—12.30	0.02					
12.30—13.00	Zero					
13.00—13.30	0.03					
13.30—14.00	0.10					
14.00—14.30	0.06					
50	14.30—15.00		0.03			
	15.00—15.30	0.04				
	15.30—16.00	Zero				

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		16.00—16.30	0.04		
		16.30—17.30	0.03	S	8.5
		17.30—18.00	0.01		
		18.00—18.30	0.04		
		18.30—19.00	0.03		
		19.00—19.30	0.01		
		19.30—20.00	Zero		
		20.00—20.30	0.01		
		20.30—22.00	Zero	SW	18.0
		22.00—23.00	0.03	SW, W	18.0
		23.00—23.30	0.04	W	18.0
		23.30—24.00	0.03		
20	Mar. 5	0.00— 0.30	No Record	W	11.6
		0.30— 1.00	0.04		
		1.00— 2.00	0.01		
		2.00— 7.30	Zero		
		7.30— 8.00	0.01		
		8.00— 8.30	Zero		
		8.30— 9.00	Trace		
		9.00—17.30	Zero		
		17.30—18.00	0.01	N	3.0
		18.00—18.30	Zero		
		18.30—19.00	0.01		
30		19.00—19.30	Zero		
		19.30—20.00	0.01		
		20.00—20.30	Trace		
		20.30—21.00	0.02		
		21.00—21.30	Zero		
		21.30—22.00	0.03		
		22.00—22.30	Zero		
		22.30—23.00	0.03		
		23.00—24.00	Zero	N	3.0
40	Mar. 6	0.00— 0.30	Zero	N	3.5
		0.30— 1.00	0.01		
		1.00— 6.30	Zero	N, W, Calm	3.5—6.0
		6.30— 7.00	0.02	Calm	
		7.00—22.00	Zero	W, N	5.0—13.0
		22.00—22.30	0.03	N	13.0
		22.30—23.00	0.01		
		23.00—23.30	0.05		
		23.30—24.00	0.01		
50	Mar. 7	0.00— 0.30	No Record	N	12.0
		0.30— 1.00	0.04		
		1.00— 1.30	0.02		
		1.30— 2.00	0.04		
		2.00— 3.00	0.03	E	5.0
		3.00— 3.30	0.01		

EXHIBIT No. 166 (Continued)  
Recorder Station, Near McKinnon Industries.

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 166 Sulphur dioxide and wind readings taken by Dr. Katz at Defendant's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>				
10	3.30— 4.00	0.03	NE	5.0					
	4.00— 4.30	Zero							
	4.30— 5.00	0.02							
	5.00— 5.30	Zero							
	5.30— 6.00	0.01							
	6.00— 6.30	Zero							
	6.30— 7.00	0.01							
	7.00— 7.30	Zero							
	7.30— 8.00	0.03							
	8.00— 8.30	0.01							
20	8.30— 9.00	0.01	NE, SW, S	5.0—8.0					
	9.00— 9.30	Zero							
	9.30—10.00	0.01							
	10.00—21.30	Zero							
	21.30—22.00	0.01							
	22.00—22.30	Zero							
	22.30—23.30	0.03							
	23.30—24.00	0.02							
	Mar. 8	0.00— 0.30				0.02	S	6.3	
	0.30— 1.30	Zero							
1.30— 3.30	0.02								
3.30— 4.00	0.03								
4.00— 5.30	Zero								
5.30— 6.30	0.03								
6.30— 7.30	0.05								
7.30— 8.00	0.04								
8.00— 8.30	Zero								
8.30— 9.00	0.01								
30	9.00— 9.30	Zero	SW	13.0					
	9.30—10.00	0.02							
	10.00—10.30	Zero							
	10.30—11.00	0.02							
	11.00—11.30	Zero							
	11.30—12.00	0.02							
	12.00—13.00	0.02							
	13.00—13.30	0.03							
	13.30—14.00	0.03							
	14.00—14.30	0.01							
40	14.30—15.00	0.07	W	6.6					
	15.00—15.30	0.01							
	15.30—16.00	0.08							
	16.00—16.30	0.03							
	16.30—20.30	Zero							
	20.30—21.30	0.03							
	21.30—22.00	0.01							
	22.00—22.30	0.03							
	22.30—23.00	0.02							
	23.00—23.30	0.02							
50	23.30—24.00	0.03	S	4.0					

## EXHIBIT No. 166 (Continued)

Recorder Station, Near McKinnon Industries.

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 166  
Sulphur  
dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Defendant's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Mar. 9	0.00— 0.30	0.02	S	3.0
	0.30— 1.00	0.03		
	1.00— 1.30	Zero	S	3.0
	1.30— 2.00	0.05		
	2.00— 2.30	Zero		
	2.30— 3.00	0.04		
	3.00— 3.30	0.02		
	3.30— 4.00	0.05		
	4.00— 4.30	Zero		
	4.30— 5.00	0.04		
	5.00— 5.30	Trace		
	5.30— 6.00	0.03		
	6.00— 6.30	Zero	N	3.0
	6.30— 7.00	0.03		
	7.00— 7.30	Zero		
	7.30— 8.00	0.03		
	8.00— 8.30	No Record		
	8.30— 9.00	Zero		
	9.00— 9.30	0.01		
	9.30—10.00	Zero		
10.00—10.30	0.02			
10.30—11.00	Zero	E		
11.00—11.30	0.03			
11.30—12.00	Zero			
12.00—12.30	0.03			
12.30—13.00	Zero			
13.00—13.30	0.03			
13.30—14.00	Zero			
14.00—14.30	0.03			
14.30—15.00	Zero			
15.00—15.30	0.02		E	6.3
15.30—20.00	Zero			
20.00—20.30	0.02			
20.30—24.00	Zero			

## EXHIBIT No. 167

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Jan. 1	0.00—23.00	Zero	NW	20.8
	23.00—24.00	No Record		
10 Jan. 2	0.00—10.00	No Record	NW, W	13.0—5.0
	10.00—14.00	Zero	NW, W	
	14.00—14.30	0.04	W	9.0—7.3
	14.30—16.00	Zero		7.3
	16.00—16.30	0.05		
	16.30—17.00	0.01		
	17.00—17.30	0.03		
	17.30—18.30	0.04		
	18.30—24.00	Zero	W	7.3
	20 Jan. 3	0.00— 9.30	Zero	NW, N
9.30—10.00		0.05	N	6.0
10.00—12.30		0.03	N, NE	6.0—4.0
12.30—13.00		0.03	NE	4.0
13.00—14.00		0.03	NE, E	4.0—4.2
14.00—14.30		0.01	E	4.2
14.30—15.30		0.03		
15.30—16.00		0.01		
16.00—16.30		Zero		
16.30—17.00		0.01		
30	17.00—18.00	0.04		
	18.00—18.30	0.03		
	18.30—20.30	0.01		
	20.30—24.00	0.03	E	4.2
	0.00— 2.00	0.03	E	3.7
	2.00— 2.30	0.08		
40	2.30— 3.00	0.05		
	3.00— 3.30	0.04		
	3.30— 4.00	0.02		
	4.00— 4.30	0.08		
	4.30— 5.30	0.05		
	5.30— 6.00	0.04	E	3.7
	6.00— 7.00	0.02		
	7.00— 7.30	0.06		
	7.30— 9.00	0.05		
	9.00— 9.30	0.08		
	9.30—12.30	0.05		
	12.30—13.00	0.09		
	13.00—15.00	0.05		
	15.00—16.30	0.04	E	3.7
50	16.30—17.00	0.05		
	17.00—18.30	0.06		
	18.30—19.00	0.05		
	19.00—19.30	0.04		
	19.30—20.30	0.05		
	20.30—21.30	0.06		
	21.30—22.00	0.04	E	3.7

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949*

## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.00—22.30	0.09	E	3.7
		22.30—23.00	0.14		
		23.00—23.30	0.09		
		23.30—24.00	0.12		
	Jan. 5	0.00— 0.30	0.09	E	3.5
		0.30— 1.00	0.06		
		1.00— 1.30	0.04		
		1.30— 4.00	0.05		
		4.00— 5.00	0.09		
		5.00— 6.00	0.08		
		6.00— 6.30	0.14		
		6.30— 7.00	0.10		
20		7.00— 7.30	0.08		
		7.30— 8.30	0.04		
		8.30— 9.00	0.08		
		9.00— 9.30	0.04		
		9.30—10.00	0.06		
		10.00—10.30	0.16		
		10.30—11.00	0.12	S	8.4
		11.00—11.30	0.10		
		11.30—12.00	0.13		
		12.00—12.30	0.36		
30		12.30—13.00	0.17		
		13.00—13.30	0.09		
		13.30—14.00	0.31		
		14.00—15.00	0.16		
		15.00—15.30	0.30		
		15.30—16.00	0.23		
		16.00—16.30	0.36		
		16.30—17.00	0.23		
		17.00—17.30	0.16		
		17.30—18.30	0.12	S, SW	8.5—12.8
40		18.30—19.00	0.13	SW	12.8
		19.00—19.30	0.16		
		19.30—20.00	0.21		
		20.00—20.30	0.16		
		20.30—21.00	0.13		
		21.00—23.00	0.09	SW, W	12.8—17.0
		23.00—23.30	0.08		
		23.30—24.00	0.05	SW	20.0
	Jan. 6	0.00— 0.30	0.05	SW	2.0
		0.30— 1.00	0.04		
50		1.00— 2.30	0.06		
		2.30— 3.30	0.04		
		3.30— 4.00	0.05		
		4.00— 4.30	0.04		
		4.30— 6.00	0.05		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	6.00— 6.30	0.08			
	6.30— 7.00	0.10			
	7.00— 7.30	0.06			
	7.30—10.30	0.05	SW, W	20.0—18.0	
	10.30—11.30	0.10	W	18.0	
	11.30—12.00	0.08	SW	23.0	
	12.00—12.30	0.13			
	12.30—13.00	0.06			
	13.00—13.30	0.04			
	13.30—14.00	0.05			
20	14.00—14.30	0.13			
	14.30—15.00	0.08			
	15.00—15.30	0.10	SW	23.0	
	15.30—16.00	0.09	SW	23.0	
	16.00—16.30	0.12			
	16.30—17.00	0.17			
	17.00—17.30	0.08			
	17.30—18.00	0.13			
	18.00—19.00	0.05	SW	23.0	
	19.00—19.30	0.04			
30	19.30—20.00	0.01			
	20.00—22.00	0.03			
	22.00—22.30	0.08			
	22.30—23.00	0.10			
	23.00—24.00	0.08	SW	23.0	
	Jan. 7 0.00— 1.00	0.12	SW	22.5	
	1.00— 1.30	0.09			
	1.30— 2.00	0.13			
	2.00— 3.00	0.08			
	3.00— 4.00	0.06			
40	4.00— 5.30	0.04	W	14.0	
	5.30— 6.00	0.10			
	6.00— 6.30	0.05			
	6.30— 7.00	0.04			
	7.00— 7.30	0.14			
	7.30— 8.00	0.12			
	8.00— 9.00	0.16	W, SW	14.0	
	9.00—10.00	0.13	SW	14.0	
	10.00—10.30	0.10			
	10.30—11.00	0.13			
50	11.00—11.30	0.16			
	11.30—12.00	0.10			
	12.00—13.00	0.12			
	13.00—13.30	0.16			
	13.30—14.00	0.21	SW	14.0	
	14.00—14.30	0.30			



## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		14.30—15.00	0.33		
		15.00—15.30	0.21		
		15.30—16.00	0.16		
		16.00—16.30	0.10		
		16.30—17.00	0.16		
		17.00—17.30	0.18		
		17.30—18.30	0.10	SW	14.0
		18.30—19.00	0.14		
		19.00—19.30	0.16		
		19.30—20.00	0.10		
		20.00—20.30	0.16		
		20.30—21.00	0.26		
20		21.00—21.30	0.16		
		21.30—22.00	0.12		
		22.00—22.30	0.23		
		22.30—23.00	0.14		
		23.00—24.00	0.10	SW	14.0
	Jan. 8	0.00— 2.00	0.10	W	8.0
		2.00— 2.30	0.16		
		2.30— 3.00	0.09		
		3.00— 3.30	0.08		
		3.30— 5.00	0.09		
30		5.00— 5.30	0.08		
		5.30— 6.00	0.10		
		6.00— 7.00	0.13		
		7.00— 7.30	0.08		
		7.30— 8.00	0.10	W	8.0
		8.00— 8.30	0.13	W	8.0
		8.30—10.00	0.10		
		10.00—10.30	0.06		
		10.30—12.00	0.05	W, N	8.0—4.5
		12.00—12.30	0.06	N	4.5
40		12.30—16.00	0.03	N, E	4.5—2.8
		16.00—17.00	0.01	E	2.8
		17.00—17.30	0.05		
		17.30—19.00	0.04		
		19.00—20.00	0.06		
		20.00—21.00	0.05	E	2.8
		21.00—21.30	0.12		
		21.30—22.00	0.27		
		22.00—23.00	0.18		
		23.00—23.30	0.17	S	5.0
50		23.30—24.00	0.13		
	Jan. 9	0.00— 0.30	0.21	S	6.4
		0.30— 1.00	0.16		
		1.00— 1.30	0.22		
		1.30— 2.00	0.33		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	2.00— 2.30	0.20			6.4
	2.30— 3.00	0.13			
	3.00— 4.00	0.14			
	4.00— 4.30	0.10	S		
	4.30— 5.30	0.12			
	5.30— 6.30	0.13			
	6.30— 8.00	0.16			
	8.00— 8.30	0.29			
	8.30— 9.00	0.18			
	9.00— 9.30	0.13			
20	9.30—10.30	0.18			5.8
	10.30—11.00	0.16			
	11.00—11.30	0.06	W		
	11.30—12.00	0.16			
	12.00—12.30	0.08			
	12.30—14.00	0.10			
	14.00—14.30	0.06			
	14.30—15.00	0.09			
	15.00—15.30	0.06			
	15.30—16.30	0.10			
30	16.30—17.00	0.08			5.8
	17.00—17.30	0.12	W		
	17.30—18.30	0.09			
	18.30—19.00	0.06			
	19.00—19.30	0.08			
	19.30—20.00	0.16			
	20.00—20.30	0.08			
	20.30—22.00	0.05			
	22.00—23.30	Zero			
	23.30—24.00	0.04			
40	Jan. 10 0.00— 0.30	0.03	W		2.5
	0.30— 1.00	0.05			
	1.00— 1.30	0.01			
	1.30— 2.00	Trace			
	2.00— 2.30	0.05			
	2.30— 5.00	0.03			
	5.00— 6.00	0.05			
	6.00— 6.30	0.03	N		
	6.30— 7.00	Trace			
	7.00— 8.30	0.03			
50	8.30— 9.00	0.04	N		6.7
	9.00— 9.30	0.05			
	9.30—11.00	0.06			
	11.00—13.00	0.04			
	13.00—17.00	0.03			
	17.00—17.30	0.01			
	17.30—19.00	0.03			

## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
Supreme  
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No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
Jan. 11	19.00—22.30	Zero	N, NE	6.7—7.8
	22.30—24.00	0.03	NE	7.8
	0.00— 4.30	Zero	E	8.8
	4.30— 5.30	0.04		
	5.30— 7.30	0.01		
	7.30— 8.00	0.04		
	8.00— 8.30	0.03		
	8.30— 9.00	0.03	E	8.8
	9.00— 9.30	0.04		
	9.30—10.00	0.03		
	10.00—10.30	0.01		
	10.30—11.00	0.03		
	11.00—15.00	0.04		
Jan. 12	15.00—24.00	Zero	E	8.8
	0.00— 2.30	Zero	E	2.0
	2.30— 3.30	0.05		
	3.30— 5.00	0.07	W	12.6
	5.00— 5.30	0.06		
	5.30— 6.00	0.10		
	6.00— 6.30	0.07		
	6.30— 7.00	0.10		
	7.00— 8.00	0.13		
	8.00— 8.30	0.10		
	8.30— 9.00	0.14	W	12.6
	9.00— 9.30	0.09		
	9.30—10.00	0.13		
10.00—10.30	0.07			
10.30—11.30	0.10			
11.30—12.00	0.07			
12.00—12.30	0.20			
12.30—13.30	0.07			
13.30—14.00	0.10			
Jan. 13	14.00—14.30	0.07	W	12.6
	14.30—15.00	0.10		
	15.00—16.30	0.06		
	16.30—17.00	0.13		
	17.00—19.00	0.03		
	19.00—20.00	0.01		
	20.00—20.30	0.03		
	20.30—21.00	0.04		
	21.00—22.30	0.03		
	22.30—23.00	0.05		
	23.00—24.00	0.03	W	12.6
	0.00— 1.00	0.03	W	11.0
	1.00— 1.30	0.09		
1.30— 2.00	Zero			
2.00— 2.30	0.05			

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	2.30— 3.00	0.10			
	3.00— 3.30	Trace			
	3.30— 4.00	0.03			
	4.00— 4.30	0.06			
	4.30— 5.00	0.05	W	11.0	
	5.00— 5.30	0.18	W	11.0	
	5.30— 6.00	0.23	SW	18.8	
	6.00— 6.30	0.14			
	6.30— 7.00	0.10			
	7.00— 7.30	0.21			
20	7.30— 9.00	0.15			
	9.00— 9.30	0.23			
	9.30—10.00	0.21			
	10.00—10.30	0.18			
	10.30—11.00	0.17	SW	18.8	
	11.00—11.30	0.14			
	11.30—12.00	0.18			
	12.00—12.30	0.21			
	12.30—13.30	0.13			
	13.30—14.00	0.12			
30	14.00—14.30	0.09			
	14.30—15.00	0.13			
	15.00—15.30	0.15			
	15.30—16.00	0.19			
	16.00—16.30	0.13	SW	18.8	
	16.30—17.00	0.14			
	17.00—17.30	0.13			
	17.30—18.30	0.10			
	18.30—19.00	0.13			
	19.00—19.30	0.08			
40	19.30—20.00	0.13			
	20.00—20.30	0.08			
	20.30—21.00	0.06			
	21.00—23.30	0.05			
	23.30—24.00	0.09	SW	18.8	
	Jan. 14 0.00— 0.30	0.13	SW	13.0	
	0.30— 1.00	0.05			
	1.00— 1.30	0.06			
	1.30— 2.30	0.05			
	2.30— 3.30	0.04			
50	3.30— 4.00	0.03			
	4.00— 6.30	0.01	NW, N	10.0—6.7	
	6.30— 7.00	0.03	N	6.7	
	7.00— 8.00	0.05			
	8.00— 9.00	0.03			
	9.00— 9.30	0.04			
	9.30—11.30	0.03			
	11.30—13.00	0.04			

## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
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No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	13.00—18.00	0.03		
	18.00—19.00	0.05		
	19.00—22.00	0.04	NE, E	6.0—4.0
	22.00—24.00	0.03	E	4.0
Jan. 15	0.00— 0.30	0.03	E	3.8
	0.30— 2.00	0.01		
	2.00— 3.30	0.04		
	3.30— 4.30	0.03		
	4.30— 5.00	0.05		
	5.00— 5.30	0.06		
	5.30— 6.00	0.05		
	6.00— 6.30	0.08		
20	6.30— 7.30	0.12		
	7.30— 8.00	0.13		
	8.00— 8.30	0.11	SE	8.0
	8.30— 9.00	0.15		
	9.00— 9.30	0.20		
	9.30—10.30	0.14	SE	8.0
	10.30—11.00	0.11		
	11.00—11.30	0.08		
	11.30—12.30	0.14		
Jan. 20	0.00— 3.30	Zero	NW	12.4
30	3.30— 4.00	0.02		
	4.00— 5.30	0.04	NW, N	12.4—6.0
	5.30— 6.30	0.02	N, W	6.0—6.4
	6.30— 7.00	0.05	W	6.4
	7.00— 8.00	0.04		
	8.00— 8.30	0.05		
	8.30— 9.00	0.02	N	4.5
	9.00—10.00	Trace		
	10.00—12.30	Zero		
	12.30—13.00	Trace		
40	13.00—13.30	0.02	E	9.0
	13.30—15.00	0.04		
	15.00—17.00	Zero		
	17.00—17.30	0.04		
	17.30—18.00	0.02		
	18.00—18.30	0.01	E	9.0
	18.30—19.00	0.02		
	19.00—19.30	0.01		
	19.30—20.00	0.02		
	20.00—22.30	Trace		
50	22.30—24.00	0.01	E	9.0
Jan. 21	0.00— 1.30	0.02	E	12.0
	1.30— 3.00	0.01		
	3.00— 3.30	Trace		
	3.30— 4.00	0.02		
	4.00— 4.30	0.01		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	4.30— 5.00	0.05				
	5.00— 6.00	0.02	E	12.0		
	6.00—10.30	Zero				
	10.30—11.00	0.02				
	11.00—11.30	0.04				
	11.30—12.00	0.05				
	12.00—12.30	0.13				
	12.30—13.00	0.19	S	10.0		
	13.00—13.30	0.25				
	13.30—14.00	0.18				
20	14.00—14.30	0.38				
	14.30—15.00	0.19				
	15.00—15.30	0.37				
	15.30—16.00	0.31				
	16.00—16.30	0.18				
	16.30—17.00	0.38	S	10.0		
	17.00—18.00	0.26				
	18.00—18.30	0.23				
	18.30—19.00	0.26				
	19.00—20.00	0.36				
30	20.00—20.30	0.23				
	20.30—21.00	0.41				
	21.00—21.30	0.19	SW	16.0		
	21.30—22.00	0.24				
	22.00—22.30	0.18				
	22.30—23.00	0.10				
	23.00—23.30	0.08				
	23.30—24.00	0.08				
	Jan. 22	0.00— 0.30	0.04	SW	16.0	
		0.30— 1.00	0.06			
40		1.00— 1.30	0.05	W	12.0	
		1.30— 2.00	0.04			
		2.00— 4.30	0.02			
		4.30— 7.30	0.01	W, NW	12.0—8.0	
		7.30—11.30	0.02	NW	8.0	
		11.30—12.00	0.13			
		12.00—12.30	0.04			
		12.30—13.30	0.02			
		13.30—16.00	Trace	NW	8.0	
		16.00—17.00	0.04			
50		17.00—18.30	0.05			
		18.30—19.30	0.04			
		19.30—20.00	0.02			
		20.00—20.30	0.04			
		20.30—21.30	0.02	N	5.5	
		21.30—22.30	Trace			
		22.30—24.00	Zero			

## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
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Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
Jan. 23	0.00— 3.30	0.03	N	2.0	
	3.30— 5.30	0.01	N, E	2.0—6.8	
	5.30— 6.00	0.03	E	6.8	
	6.00— 7.00	0.01			
	7.00—10.30	0.03			
	10.30—11.00	0.04			
	11.00—11.30	0.05			
	11.30—12.00	0.03			
	12.00—17.30	Trace	E, NE	6.8—8.0	
	17.30—18.00	0.03	NE	8.0	
	18.00—20.30	Trace	NE, E	8.0—6.9	
	20.30—21.30	0.03	E	6.9	
	21.30—22.00	0.04			
	22.00—22.30	0.03			
	22.30—23.00	0.05			
	23.00—24.00	0.03			
	Jan. 24	0.00— 0.30	0.03	E	3.0
		0.30— 3.00	0.01		
		3.00— 3.30	0.04		
		3.30— 5.00	0.03		
5.00— 5.30		0.01			
5.30— 6.00		0.04			
6.00— 6.30		0.08			
6.30— 7.00		0.04			
7.00— 8.00		0.06			
8.00— 8.30		0.05			
8.30—10.30		0.06	E, W	3.0—4.6	
10.30—11.00		0.09	W	4.6	
11.00—11.30		0.04			
11.30—12.00		0.03			
12.00—12.30		0.05			
12.30—13.00		0.10			
13.00—13.30		0.04			
13.30—14.00		0.08			
14.00—14.30		0.06			
14.30—15.00		0.05			
15.00—16.00	0.08				
16.00—16.30	0.06				
16.30—17.00	0.04				
17.00—17.30	0.10				
17.30—18.00	0.06				
18.00—23.00	0.05	W, NE	4.6—9.0		
Jan. 25	23.00—24.00	0.04	NE	9.0	
	0.00— 1.30	Zero	NE	11.5	
	1.30— 2.00	Trace			
	2.00— 3.30	0.01			
	3.30— 6.00	Zero	NE	11.5	

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	6.00— 6.30	0.03		
	6.30— 7.00	0.04		
	7.00— 7.30	Trace		
	7.30— 8.00	0.04		
	8.00— 8.30	Zero		
	8.30—24.00	Zero	NE, E	11.5—12.0
	Jan. 26 0.00— 7.30	Zero	NE	10.0
	7.30— 8.00	Trace		
	8.00— 8.30	0.03		
	8.30— 9.00	0.04		
20	9.00— 9.30	0.01		
	9.30—10.00	0.05		
	10.00—10.30	0.04		
	10.30—12.00	Trace	NE	10.0
	12.00—13.30	0.05		
	13.30—14.00	0.04		
	14.00—14.30	0.01		
	14.30—15.30	0.04		
	15.30—17.00	0.02		
	17.00—18.30	Zero		
30	18.30—20.30	0.02		
	20.30—22.00	0.01		
	22.00—24.00	0.02	NE	10.0
	Jan. 27 0.00— 2.30	Zero	NE	4.0
	2.30— 3.00	0.02		
	3.00— 4.00	0.04	S	3.5
	4.00— 5.00	Zero	W	2.5
	5.00— 5.30	0.02		
	5.30— 6.00	0.01		
	6.00— 7.00	0.04		
40	7.00— 7.30	0.05	SW	4.0
	7.30— 8.00	0.04		
	8.00— 8.30	0.02		
	8.30—10.00	0.01	SW, E	4.0—8.6
	10.00—12.00	0.02	E	8.6
	12.00—13.00	0.01		
	13.00—14.00	Trace		
	14.00—14.30	0.04		
	14.30—15.00	0.05		
	15.00—15.30	0.04	E	8.6
50	15.30—16.00	0.02		
	16.00—16.30	Zero		
	16.30—20.00	0.02		
	20.00—20.30	0.04		
	20.30—22.30	0.02		
	22.30—24.00	Zero	E	8.6
	Jan. 28 0.00— 2.00	Zero	E	10.0
	2.00— 3.00	0.02		

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Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	3.00— 3.30	0.04		
	3.30— 5.30	0.05	Calm	
	5.30— 6.00	0.10	SW	21.5
	6.00— 6.30	0.15		
	6.30— 7.00	0.11		
	7.00— 8.00	0.15		
	8.00— 8.30	0.06		
	8.30— 9.30	0.08		
	9.30—10.30	0.04		
	10.30—12.30	0.02	SW	21.5
	12.30—13.30	0.13	SW	21.5
	13.30—14.00	0.05		
20	14.00—14.30	0.06		
	14.30—15.00	0.05		
	15.00—15.30	0.10		
	15.30—16.00	0.05	SW	21.5
	16.00—16.30	0.08		
	16.30—17.00	0.05		
	17.00—17.30	0.08		
	17.30—18.30	0.02		
	18.30—19.30	0.04		
	19.30—20.00	Trace	NW	18.0
30	20.00—24.00	Zero	NW, W	18.0—11.0
Jan. 29	0.00—15.00	Zero	W, NW	14.0—10.0
	15.00—15.30	0.04	NW	10.0
	15.30—16.00	Zero		
	16.00—18.00	Trace	NW, W	10.0—11.6
	18.00—19.00	0.02	W	11.6
	19.00—21.30	Trace		
	21.30—24.00	Zero		
Jan. 30	0.00— 8.00	No Record	W	10.6
	8.00—24.00	No Record	W	10.6
40	Jan. 31 0.00—16.30	No Record	W, SE, S, E, NW	3.0—8.5
	16.30—17.00	0.01	W	9.7
	17.00—17.30	0.04		
	17.30—18.30	0.02		
	18.30—19.30	0.04		
	19.30—20.00	0.07		
	20.00—21.30	0.04		
	21.30—24.00	No Record	W	9.7
Feb. 1	0.00—10.00	No Record	W	16.5
	10.00—14.00	Zero		
50	14.00—15.30	0.02		
	15.30—16.00	0.04		
	16.00—17.30	0.02		
	17.30—18.00	0.10		
	18.00—18.30	0.08		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	
10	Feb. 2	18.30—19.00			
		19.00—24.00			
		0.00— 1.30	Zero	W	16.5
		1.30— 2.00	0.01	W	10.8
		2.30— 3.00	Zero		
		3.00— 3.30	0.04		
		3.30— 5.00	0.01		
		5.00— 7.00	0.05		
		7.00— 7.30	0.20		
		7.30— 8.00	0.13		
20		8.00— 8.30			
		8.30—10.00			
		10.00—12.00	0.05	W	10.8
		12.00—13.30	0.02		
		13.30—14.00	0.01		
		14.00—15.00	Trace		
		15.00—15.30	0.05		
		15.30—16.00	0.02		
		16.00—16.30	0.05		
		16.30—18.30	0.02		
30		18.30—19.00			
		19.00—19.30	0.09	W	10.8
		19.30—20.00	0.05	W	10.8
		20.00—20.30	0.06		
		20.30—21.30	0.05		
		21.30—22.30	0.06		
		22.30—23.00	0.02		
		23.00—23.30	0.05		
		23.30—24.00	0.02	W	10.8
	Feb. 3	0.00— 1.30	0.04	W	4.7
40		1.30— 2.00	0.08		
		2.00— 2.30	0.04		
		2.30— 3.00	0.02		
		3.00— 4.00	0.01		
		4.00— 4.30	Trace		
		4.30— 5.30	0.02		
		5.30— 6.00	0.04	S	6.0
		6.00— 6.30	0.02		
		6.30— 7.30	0.05		
		7.30— 8.00	0.13		
50		8.00— 9.00	0.09		
		9.00— 9.30	0.41		
		9.30—10.00	0.20		
		10.00—10.30	0.18	S	6.0
		10.30—11.00	0.13		
		11.00—11.30	0.10		
	11.30—12.00	0.06			

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Dunn's  
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Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	12.00—12.30	0.13		
	12.30—13.00	0.09		
	13.00—14.00	0.07	S, E	6.0—5.7
	14.00—14.30	0.05	E	5.7
	14.30—15.00	0.04		
	15.00—15.30	0.07		
	15.30—17.00	0.10		
Feb. 4	0.00— 0.30	0.06	S	2.0
	0.30— 1.30	0.10		
	1.30— 2.30	0.15		
	2.30— 3.30	0.20		
	3.30— 4.30	0.15		
20	4.30— 5.00	0.18		
	5.00— 7.00	0.13		
	7.00— 8.00	0.10	E	2.0
	8.00— 8.30	0.13		
	8.30— 9.00	0.15		
	9.00— 9.30	0.10	S	4.0
	9.30—10.00	0.08		
	10.00—10.30	0.05		
	10.30—12.30	0.13	W	6.8
	12.30—14.00	0.08		
30	14.00—14.30	0.05	N	5.8
	14.30—15.00	0.04		
	15.00—16.00	0.02		
	16.00—20.00	0.02		
	20.00—24.00	0.01	N	5.8
Feb. 5	0.00— 4.30	0.01	N, W	4.0
	4.30— 5.30	0.02	W	4.0
	5.30— 9.00	Zero	N	4.7
	9.00—14.00	0.02		
	14.00—18.30	Zero	N, E	4.7—3.5
40	18.30—22.00	0.02	E	3.5
	22.00—24.00	0.05		
Feb. 6	0.00— 2.00	0.05	E	4.7
	2.00— 3.30	0.02		
	3.30— 4.30	0.05		
	4.30— 5.00	0.08		
	5.00— 6.00	0.05		
	6.00— 7.00	0.10		
	7.00— 7.30	0.05		
	7.30— 8.00	0.18		
50	8.00— 8.30	0.17		
	8.30— 9.00	0.15	E	4.7
	9.00— 9.30	0.10		
	9.30—10.00	0.06		
	10.00—11.00	0.05		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	11.00—13.30	0.02				
	13.30—15.00	0.05				
	15.00—17.30	0.02				
	17.30—19.30	0.04	E, S	4.7—8.5		
	19.30—21.30	0.08	S	8.5		
	21.30—22.00	0.15				
	22.00—22.30	0.18				
Feb. 7	22.30—24.00	0.09				
	0.00— 0.30	0.18	S	10.0		
	0.30— 1.00	0.10				
	1.00— 1.30	0.04	SW	18.4		
	1.30— 2.30	0.08				
	2.30— 3.30	0.04				
	3.30— 4.30	0.08				
	4.30— 5.00	0.20				
	5.00— 5.30	0.10				
	5.30— 7.30	0.08				
20	7.30— 8.00	0.12				
	8.00— 8.30	0.06	W	18.4		
	8.30— 9.00	0.02				
	9.00—11.00	Trace	W, SW	18.4—13.8		
	11.00—13.00	0.02	SW	13.8		
	30	13.00—16.00	Zero			
		16.00—16.30	0.04			
		16.30—17.00	0.05			
		17.00—18.30	0.09			
		18.30—19.00	0.05			
19.00—19.30		0.15				
19.30—22.00		0.05	SW, W	13.8—2.6		
22.00—23.00		Trace	W	2.6		
23.00—24.00		Zero				
Feb. 8		0.00— 3.00	Zero	S	5.7	
	3.00— 3.30	0.02				
	3.30— 4.00	0.08				
	4.00— 4.30	0.17				
	4.30— 5.00	0.13				
	5.00— 5.30	0.12				
	5.30— 6.00	0.02				
	6.00— 7.30	0.01	S	5.7		
	7.30— 8.00	0.02				
	8.00— 8.30	0.04				
50	8.30— 9.00	0.13				
	9.00—10.00	0.15				
	10.00—10.30	0.09				
	10.30—13.00	0.05	S, SW	5.7—15.6		
	13.00—15.30	0.08	SW	15.6		
	15.30—16.00	0.05				

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	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		16.00—16.30	No Record		
		16.30—17.00	0.08	SW	15.6
		17.00—18.00	0.13		
		18.00—18.30	0.06		
		18.30—19.30	0.05		
		19.30—20.00	0.08		
		20.00—20.30	0.10	SW	15.6
		20.30—21.00	0.04		
		21.00—21.30	0.15		
		21.30—22.30	0.05		
		22.30—23.00	0.08		
		23.00—24.00	0.10	SW	15.6
20	Feb. 9	0.00— 1.00	0.08	SW	14.0
		1.00— 1.30	0.05		
		1.30— 2.00	0.04		
		2.00— 2.30	0.10		
		2.30— 3.00	0.05		
		3.00— 4.00	Trace	W	9.7
		4.00— 4.30	0.05		
		4.30— 6.00	0.02		
		6.00—18.00	Zero		
		18.00—23.00	Trace		
30	Feb. 10	23.00—24.00	Zero	W	9.7
		0.00— 4.00	Zero	W	3.4
		4.00— 7.00	0.04	W, SE	3.4—4.0
		7.00— 7.30	0.06	SE	4.0
		7.30— 9.00	0.13		
		9.00— 9.30	0.12		
		9.30—10.00	0.08		
		10.00—11.30	0.04		
		11.30—12.00	0.05		
		12.00—13.00	0.06		
40		13.00—13.30	0.05		
		13.30—14.00	0.03		
		14.00—15.00	Trace		
		15.00—17.00	Zero	E, N	5.0—3.0
		17.00—18.00	Trace	N	3.0
		18.00—20.00	0.03		
		20.00—21.00	0.05	W	5.0
		21.00—23.30	0.04	W, NW	5.0—24.0
		23.30—24.00	Zero	NW	24.0
50	Feb. 11	0.00—20.00	Zero	NW, N, E	18.0—4.0
		20.00—20.30	0.03	E	4.0
		20.30—22.00	0.05	E, S	4.0—6.0
		22.00—22.30	0.08	S	6.0
		22.30—23.30	0.09		
		23.30—24.00	0.10		

EXHIBIT No. 167 (Continued)  
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Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>			
10	Feb. 12 0.00— 1.00	0.23	S	9.2				
	1.00— 1.30	0.15						
	1.30— 2.00	0.08						
	2.00— 2.30	0.15						
	2.30— 3.30	0.10						
	3.30— 4.00	0.15						
	4.00— 4.30	0.13						
	4.30— 5.00	0.15						
	5.00— 5.30	0.23						
	5.30— 6.00	0.08						
20	6.00— 6.30	0.13	S	9.2				
	6.30— 7.00	0.10						
	7.00— 7.30	0.15	S					
	7.30— 8.00	0.06						
	8.00— 8.30	0.13						
	8.30— 9.00	0.10						
	9.00—11.00	0.03	S, SW			9.2—14.7		
	11.00—11.30	0.05	SW				14.7	
	11.30—13.30	0.03				14.7		
	13.30—16.30	0.01						
16.30—17.00	0.05							
17.00—17.30	0.06							
17.30—18.00	0.15							
18.00—19.30	0.09							
19.30—21.30	0.02							
21.30—23.00	0.01							
23.00—24.00	Trace	SW						
30	Feb. 13 0.00— 0.30	0.05	SW	10.6				
	0.30— 2.00	0.08						
	2.00— 4.00	0.02						
	4.00— 6.30	0.01						
	6.30— 7.00	Zero						
	40	7.00— 7.30	0.04				12.0—4.0	
		7.30— 8.00	0.06					
		8.00— 8.30	0.04					
		8.30—11.00	0.02					
		11.00—13.30	Zero			W, N		
13.30—14.00		0.01	N	4.0				
14.00—15.30		0.04						
15.30—22.30		Zero		4.0				
22.30—23.30		0.05	W					
23.30—24.00		0.02						
50	Feb. 14 0.00— 1.00	0.01	W	7.0				
	1.00— 1.30	0.02						
	1.30— 3.00	0.05						
	3.00— 3.30	0.02						
	3.30— 4.00	0.04						
	4.00— 4.30	0.05						

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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	4.30— 6.30	0.02		
	6.30— 8.00	0.08		
	8.00— 9.30	0.10		
	9.30—10.00	0.05		
	10.00—13.00	0.02	W, N	7.0—4.0
	13.00—20.00	Zero	N, E	4.0—7.0
	20.00—21.00	0.02	E	7.0
	21.00—24.00	0.02		
Feb. 15	0.00— 0.30	0.02	E	4.7
	0.30— 1.00	0.05		
	1.00— 1.30	0.02		
	1.30— 2.30	Trace		
20	2.30— 7.00	0.02	E, SW	4.7—17.8
	7.00— 7.30	0.03	SW	17.8
	7.30— 8.00	0.14		
	8.00— 8.30	0.08		
	8.30—10.30	0.09		
	10.30—11.30	0.05		
	11.30—12.00	0.02	W	14.2
	12.00—13.00	0.01		
	13.00—15.00	Trace		
	15.00—16.00	0.02		
30	16.00—17.00	0.02		
	17.00—19.00	Trace		
	19.00—19.30	0.02	SW	16.4
	19.30—20.30	0.04		
	20.30—21.00	0.02		
	21.00—22.00	0.05		
	22.00—22.30	0.10		
	22.30—24.00	0.05	SW	16.4
Feb. 16	0.00— 2.30	0.02	SW	14.2
	2.30— 4.00	0.05		
40	4.00— 5.00	0.08		
	5.00— 7.30	0.05		
	7.30— 8.00	0.13		
	8.00— 8.30	0.08		
	8.30— 9.30	0.12		
	9.30—11.00	0.05		
	11.00—11.30	0.10	SW	14.2
	11.30—12.30	0.05		
	12.30—14.00	0.09		
	14.00—14.30	0.10		
50	14.30—15.30	0.13		
	15.30—16.00	0.10		
	16.00—16.30	0.08		
	16.30—18.00	0.06	W	10.0
	18.00—18.30	0.05		
	18.30—20.30	0.03	W, SW	10.0—8.5

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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction .	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	Feb. 17	20.30—21.30	0.01	SW	8.5	
		21.30—24.00	Trace	SW, NW	8.5—16.0	
	Feb. 18	0.00—22.00	Zero	NW, W	19.0—11.0	
		22.00—23.00	0.01	S	4.0	
		23.00—24.00	0.03			
		0.00— 1.00	0.03	S	8.0	
		1.00— 2.00	0.06			
		2.00— 2.30	0.05			
		2.30— 3.00	0.10			
		3.00— 3.30	0.13			
20		3.30— 4.00	0.20			
		4.00— 4.30	0.16			
		4.30— 5.00	0.10			
		5.00— 6.00	0.05	S, SW	8.0—18.6	
		6.00— 6.30	0.04	SW	18.6	
		6.30— 7.00	0.03			
		7.00— 7.30	0.08			
		7.30— 8.00	0.05			
		8.00— 8.30	0.01			
		8.30— 9.00	Trace			
30		9.00—10.00	0.09			
		10.00—11.00	0.08	SW	18.6	
		11.00—12.00	0.10			
		12.00—13.00	0.06			
		13.00—15.30	0.09			
		15.30—17.00	0.08			
		17.00—17.30	0.01			
		17.30—18.30	0.05			
		18.30—19.00	0.16			
		19.00—20.00	0.06			
40	Feb. 19	20.00—22.00	0.05			
		22.00—23.30	0.04			
		23.30—24.00	0.10	SW	18.6	
		0.00— 0.30	0.05	SW	8.2	
		0.30— 2.00	0.08			
		2.00— 7.00	0.05			
		7.00— 7.30	0.08			
		7.30— 8.30	0.06			
		8.30—10.30	0.05	SW, N	8.2—4.7	
		10.30—11.30	0.04	N	4.7	
50		11.30—12.00	0.05			
		12.00—12.30	0.04			
		12.30—13.00	0.05			
		13.00—14.00	0.04	NE	9.0	
		14.00—24.00	Zero	E	10.0	
		Feb. 20	0.00— 8.00	Zero	E	7.0
			8.00— 9.00	0.03	N	8.3
			9.00—10.00	0.04		



## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		10.00—11.30	0.03		
		11.30—12.00	0.05		
		12.00—13.00	0.03		
		13.00—13.30	Zero		
		13.30—14.00	0.04		
		14.00—15.30	Trace		
		15.30—24.00	Zero	N	8.3
	Feb. 21	0.00— 8.30	Trace	N, E	3.0—7.0
		8.30— 9.30	0.03	E	7.0
		9.30—10.30	0.04		
		10.30—11.30	0.03		
		11.30—12.30	0.04		
20		12.30—13.30	0.03		
		13.30—15.00	Zero		
		15.00—16.00	Trace		
		16.00—17.00	0.03		
		17.00—22.30	Zero		
		22.30—23.00	0.05	S	3.0
		23.00—23.30	0.06		
		23.30—24.00	0.10		
	Feb. 22	0.00— 0.30	0.10	S	2.5
		0.30— 1.30	0.08		
30		1.30— 2.30	0.06		
		2.30— 3.00	0.10		
		3.00— 4.30	0.19		
		4.30— 5.00	0.10		
		5.00— 6.00	0.13	S, E	2.5—3.0
		6.00— 6.30	0.09	E	3.0
		6.30— 7.00	0.05		
		7.00— 7.30	0.01		
		7.30— 9.30	Trace		
		9.30—11.00	0.03		
40		11.00—12.00	0.13		
		12.00—12.30	0.12		
		12.30—14.00	0.10	E, N	3.0—7.5
		14.00—14.30	0.08	N	7.5
		14.30—15.00	0.05		
		15.00—16.00	0.06		
		16.00—22.00	0.03		
		22.00—24.00	Zero		
	Feb. 23	0.00— 2.30	Zero	N	9.0
		2.30— 4.00	0.03		
50		4.00— 5.00	0.04		
		5.00— 5.30	0.01	W	9.0
		5.30— 6.30	0.05		
		6.30— 7.30	0.04		
		7.30— 9.00	0.04		
		9.00—13.00	0.05		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	13.00—13.30	0.12			
	13.30—14.00	0.08			
	14.00—14.30	0.12			
	14.30—15.00	0.06			
	15.00—15.30	0.08			
	15.30—16.00	0.06			
	16.00—17.00	0.05			
	17.00—17.30	0.06			
	17.30—18.30	0.05			
	18.30—19.00	0.03			
20	19.00—19.30	0.05			
	19.30—20.00	0.04			
	20.00—21.00	0.06			
	21.00—22.00	0.08			
	22.00—23.00	0.05			
	23.00—24.00	0.08			
	Feb. 24 0.00— 1.00	0.04	W	9.0	
	1.00— 1.30	0.05	W	10.0	
	1.30— 2.30	0.10			
	2.30— 3.00	0.08			
30	3.00— 3.30	0.05			
	3.30— 4.00	0.13			
	4.00— 4.30	0.08			
	4.30— 5.00	0.04	W	10.0	
	5.00— 6.00	0.08			
	6.00— 6.30	0.10			
	6.30— 7.30	0.05			
	7.30— 8.00	0.04			
	8.00— 8.30	Zero			
	8.30— 9.00	0.04			
40	9.00— 9.30	0.08	S	7.4	
	9.30—10.00	0.13			
	10.00—11.30	0.12			
	11.30—12.00	0.21			
	12.00—12.30	0.16			
	12.30—13.00	0.10			
	13.00—13.30	0.23			
	13.30—14.00	0.16			
	14.00—14.30	0.12			
	14.30—15.00	0.09			
50	15.00—15.30	0.14			
	15.30—16.00	0.09			
	16.00—16.30	0.06	E	3.0	
	16.30—17.00	0.09			
	17.00—17.30	0.08			
	17.30—21.00	0.05			
	21.00—21.30	0.10	SW	9.0	
	21.30—23.00	0.03			

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

*In the  
Supreme  
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Chart, sul-  
phur dioxide  
and wind  
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taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued*

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		23.30—24.00	0.05		
	Feb. 25	0.00— 0.30	0.04	SW	13.0
		0.30— 1.00	0.03		
		1.00— 1.30	0.01		
		1.30— 2.00	Trace		
		2.00— 2.30	0.04		
		2.30— 3.00	0.13	SW	3.0
		3.00— 3.30	0.09		
		3.30— 5.00	0.06	SW, W	13.0—15.0
		5.00— 5.30	0.05	W	15.0
		5.30— 6.30	0.04		
		6.30— 7.00	0.03		
20		7.00— 8.00	0.12		
		8.00— 8.30	0.08		
		8.30—10.00	0.13	W	15.0
		10.00—10.30	0.10		
		10.30—11.00	0.06		
		11.00—15.30	0.03		
		15.30—16.30	Zero		
		16.30—17.00	0.04	NW	15.0
		17.00—18.00	0.01		
		18.00—20.00	0.03		
30		20.00—21.00	0.05		
		21.00—21.30	0.04		
		21.30—22.00	0.03		
		22.00—24.00	Zero	NW	15.0
	Feb. 26	0.00— 8.00	Zero	N	10.0
		8.00— 9.00	Trace		
		9.00— 9.30	0.03		
		9.30—11.00	0.04		
		11.00—13.30	0.05		
		13.30—15.00	0.03		
40		15.00—16.30	Trace		
		16.30—19.30	Zero	E	3.4
		19.30—24.00	Trace	E, S	3.4—3.0
	Feb. 27	0.00— 1.00	0.04	S	3.7
		1.00— 1.30	0.08		
		1.30— 2.00	0.06		
		2.00— 3.30	0.05		
		3.30— 4.00	0.15		
		4.00— 5.00	0.03		
		5.00— 6.00	0.06	S, E	3.7—2.4
50		6.00— 8.00	0.10	E	2.4
		8.00— 9.00	0.08	S	2.4
		9.00— 9.30	0.10		
		9.30—12.00	0.08	S, E	2.4—8.3
		12.00—13.00	0.05	E	8.3
		13.00—14.30	0.03		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	Feb. 28	14.30—19.00	Trace			
		19.00—23.00	0.03			
		23.00—24.00	0.04	E	8.3	
		0.00— 3.30	No Record	N	6.0	
		3.30— 4.30	0.05			
		4.30— 6.30	Zero			
		6.30— 7.00	Trace			
		7.00—11.30	0.03	N, NW	6.0—13.7	
		11.30—24.00	Zero	NW, W, N	13.7—16.4	
		0.00—23.00	Zero	N	12.0	
20	Mar. 2	23.00—24.00	0.05			
		0.00— 3.30	0.05	W	5.5	
		3.30— 5.30	0.03	W, N	5.5—7.0	
		5.30— 7.00	Trace	N, W	7.0—7.6	
		7.00— 8.30	Zero	W	7.6	
		8.30— 9.00	0.05	W	7.6	
		9.00—10.00	0.04			
		10.00—10.30	0.06			
		10.30—11.00	0.03			
		11.00—11.30	0.04			
30	Mar. 3	11.30—12.00	0.10			
		12.00—13.00	0.05			
		13.00—14.00	0.04	W	7.6	
		14.00—14.30	0.05			
		14.30—15.30	0.03			
		15.30—16.00	0.08			
		16.00—16.30	0.13			
		16.30—17.30	0.08			
		17.30—19.00	0.05			
		19.00—22.30	0.03	W, N	7.6—7.0	
40	Mar. 3	22.30—24.00	Trace	N	7.0	
		0.00— 6.00	Zero	N	8.0	
		6.00— 7.00	0.01			
		7.00— 7.30	0.03			
		7.30— 8.00	0.05			
		8.00— 8.30	0.04			
		8.30— 9.30	0.08	N	8.0	
		9.30—10.00	0.05			
		10.00—10.30	0.08			
		10.30—11.00	0.05			
50	Mar. 4	11.00—12.00	0.03			
		12.00—24.00	Zero	N, SE, W	8.0—3.0	
		0.00— 3.30	Zero	W	6.0	
		3.30— 4.00	0.05			
		4.00— 4.30	Trace			
		4.30— 5.00	0.10			
		5.00— 5.30	0.08			
		5.30— 6.30	0.05			

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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*In the  
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No. 167  
Chart, sul-  
phur dioxide  
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Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued*

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		6.30— 7.00	0.10		
		7.00— 7.30	0.03	S	6.0
		7.30— 8.30	0.05		
		8.30— 9.00	0.06		
		9.00— 9.30	0.04	SW	10.0
		9.30—10.30	0.06		
		10.30—11.00	0.17		
		11.00—12.30	0.05		
		12.30—13.00	0.08	S	8.5
		13.00—13.30	0.09		
		13.30—14.30	0.13		
		14.30—15.00	0.09		
20		15.00—16.30	0.05		
		16.30—17.00	0.10		
		17.00—17.30	0.06		
		17.30—18.30	0.13		
		18.30—19.00	0.10		
		19.00—19.30	0.13		
		19.30—20.00	0.16		
		20.00—20.30	0.12	SW	18.0
		20.30—21.00	0.16		
		21.00—21.30	0.08		
30		21.30—22.00	0.05		
		22.00—22.30	0.03		
		22.30—23.00	0.10	W	18.0
		23.00—24.00	0.05		
	Mar. 5	0.00— 1.00	0.05	W	11.6
		1.00— 1.30	0.04		
		1.30— 2.00	0.09		
		2.00— 4.30	0.03		
		4.30— 5.30	0.05		
		5.30— 6.00	0.10		
40		6.00— 7.30	0.05		
		7.30— 8.30	0.05	W	11.6
		8.30—10.00	0.08		
		10.00—14.00	0.05		
		14.00—15.30	0.03		
		15.30—16.00	0.05		
		16.00—16.30	0.03		
		16.30—18.30	0.03	W, N	11.6—3.0
		18.30—20.00	0.04	N	3.0
		20.00—23.00	0.03		
50		23.00—24.00	Zero		
	Mar. 6	0.00— 3.00	Zero	N	3.5
		3.00— 6.00	Trace	N, W, Calm	3.5—6.0
		6.00— 7.00	0.03	Calm	
		7.00— 8.00	0.05	W	5.0
		8.00— 8.30	0.03	N	13.0

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10 Mar. 7	8.30— 9.00	Trace			
	9.00—21.30	Zero			
	21.30—22.00	0.01			
	22.00—24.00	0.04	N	13.0	
	0.00— 0.30	0.01	N	12.0	
	0.30— 1.00	Trace			
	1.00— 1.30	0.03			
	1.30— 2.00	0.05			
	2.00— 3.00	0.03	E	5.0	
	3.00— 7.30	0.04	E, NE	5.0	
20 Mar. 8	7.30— 8.00	0.03			
	8.00— 9.30	0.01			
	9.30—22.00	Zero	NE, SW, S	5.0—8.0	
	22.00—22.30	0.08	S	6.0	
	22.30—24.00	0.06			
	0.00— 0.30	Trace	S	6.3	
	0.30— 1.00	0.05			
	1.00— 1.30	0.22			
	1.30— 2.00	0.11			
	2.00— 2.30	0.05			
30 Mar. 8	2.30— 3.00	0.11			
	3.00— 3.30	0.05			
	3.30— 4.00	Zero			
	4.00— 4.30	0.01			
	4.30— 5.00	0.13			
	5.00— 5.30	0.08			
	5.30— 6.30	0.03			
	6.30— 7.00	0.08			
	7.00— 9.30	0.05			
	9.30—10.00	0.11	SW	13.0	
40 Mar. 8	10.00—11.30	0.05			
	11.30—12.00	0.12			
	12.00—15.30	0.11	SW, W	13.0—6.6	
	15.30—16.00	0.05	W	6.6	
	16.00—17.30	0.11			
	17.30—18.30	0.04			
	18.30—20.00	Zero	W	6.6	
	20.00—20.30	0.03			
	20.30—21.30	0.01			
	21.30—22.00	Zero			
50 Mar. 9	22.00—24.00	0.01	S	4.0	
	0.00— 1.30	0.03	S	3.0	
	1.30— 2.00	0.05			
	2.00— 2.30	0.09			
	2.30— 3.30	0.11			
	3.30— 4.00	0.08			
	4.00— 4.30	0.11			
	4.30— 6.30	0.05			

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

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Chart, sul-  
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taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	6.30— 7.00	0.04		
	7.00— 7.30	0.01		
	7.30— 8.30	0.04	N	3.0
	8.30— 9.00	0.08		
	9.00— 9.30	0.05		
	9.30—11.30	0.03		
	11.30—12.30	0.04	N, E	3.0—6.3
	12.30—13.00	0.05	E	6.3
	13.00—14.30	0.03		
	14.30—15.00	Trace		
	15.00—16.30	0.03		
	16.30—24.00	Zero	E	6.3
20	Mar. 10	0.00— 5.00	E	13.0
		5.00— 6.30		
		6.30— 7.00		
		7.00—13.00		
		13.00—24.00	E	13.0
	Mar. 11	0.00— 7.30	NE, N	10.0—9.0
		7.30—11.00		
		11.00—12.00	NW	11.0
		12.00—15.00		
		15.00—18.00		
		18.00—24.00	NW, W	11.0
30	Mar. 12	0.00—24.00	W, NW	12.0—18.0
	Mar. 13	0.00— 6.00	NW, W	17.0—11.0
		6.00— 7.00	W	11.0
		7.00— 7.30	NW	15.0
		7.30—20.30	NW, W	15.0—13.8
		20.30—21.00	SW	8.0
		21.00—22.00		
		22.00—24.00		
	Mar. 14	0.00— 3.00	W, SW	6.5—9.0
40		3.00— 4.00	SW	9.0
		4.00— 4.30		
		4.30— 5.30		
		5.30— 7.00		
		7.00— 7.30		
		7.30— 8.00		
		8.00— 8.30	SW	9.0
		8.30— 9.00		
		9.00—11.00		
		11.00—11.30		
50		11.30—13.00		
		13.00—13.30		
		13.30—18.30	W	12.0
		18.30—19.00	W	12.0
		19.00—24.00	W, NW	12.0—14.8

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	Mar. 15	0.00— 1.00	Zero	NW	13.4	
		1.00— 5.00	0.04	NW, SW, W	13.4—6.0	
		5.00— 7.00	0.03	W	6.0	
		7.00— 8.00	0.04			
		8.00— 9.00	0.03	NW	10.7	
20	Mar. 16	9.00—24.00	Zero	NW, W	10.7—6.0	
		0.00— 2.00	0.03	W, SW	6.0	
		2.00— 6.30	Trace	SW, W	6.0—9.0	
		6.30— 8.30	0.03	W	9.0	
		8.30— 9.00	0.01			
		9.00— 9.30	0.05			
		9.30—12.00	Zero	W, SW	9.0—15.0	
		12.00—14.00	0.03	SW	15.0	
		14.00—15.00	0.05			
		15.00—16.00	0.08			
30	Mar. 17	16.00—16.30	0.13			
		16.30—17.00	0.09			
		17.00—17.30	0.05	SW	15.0	
		17.30—18.00	0.03			
		18.00—19.30	0.04			
		19.30—20.00	0.03			
		20.00—20.30	0.05			
		20.30—21.00	0.03	SW, NW	15.0—16.0	
		21.00—24.00	Zero	W	8.5	
		0.00— 4.30	Zero			
40	Mar. 17	4.30— 5.00	0.03			
		5.00— 5.30	Trace			
		5.30— 6.00	0.03			
		6.00— 6.30	0.05			
		6.30— 7.00	0.04	SW	13.0	
		7.00— 7.30	0.06			
		7.30— 8.00	0.05			
		8.00— 9.00	0.04			
		9.00—10.00	0.03			
		10.00—10.30	0.01			
50	Mar. 17	10.30—11.00	0.05			
		11.00—11.30	0.04			
		11.30—13.00	0.05	SW	13.0	
		13.00—13.30	Trace			
		13.30—14.00	0.03			
		14.00—15.30	0.04			
		15.30—16.30	0.05			
		16.30—17.30	0.10			
		17.30—18.00	0.08			
		18.00—21.30	0.05			
21.30—22.00	0.08					



## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

In the  
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Ontario  
Defendant's  
Exhibit  
No. 167  
Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
1949 to 9th  
Mar., 1949  
Continued

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		22.00—22.30	0.06		
		22.30—23.00	0.04		
		23.00—23.30	Trace		
		23.30—24.00	0.05	SW	13.0
	Mar. 18	0.00— 0.30	0.05	W	6.0
		0.30— 1.00	0.04		
		1.00— 7.30	0.03	N	11.4
		7.30— 8.30	Trace		
		8.30—12.00	0.03		
		12.00—23.00	Zero		
		23.00—24.00	0.03	N	11.4
	Mar. 19	0.00— 4.00	0.03	N	4.2
20		4.00— 5.30	Trace		
		5.30— 7.00	0.03		
		7.00— 7.30	0.04		
		7.30— 8.00	0.08		
		8.00— 8.30	0.05		
		8.30— 9.00	0.04		
		9.00— 9.30	0.03	N	4.2
		9.30—10.00	0.01		
		10.00—11.30	0.04		
		11.30—15.00	0.01		
30		15.00—24.00	Zero	N, W	4.2—4.0
	Mar. 20	0.00— 1.00	0.04	W	4.3
		1.00— 7.00	Zero		
		7.00— 7.30	0.03		
		7.30— 8.00	0.05	S	8.8
		8.00— 8.30	0.10		
		8.30— 9.30	0.09		
		9.30—10.00	0.05		
		10.00—11.00	0.04		
		11.00—11.30	0.06		
40		11.30—12.00	0.13		
		12.00—12.30	0.08	S	8.8
		12.30—14.00	0.05		
		14.00—14.30	0.04		
		14.30—15.00	0.08		
		15.00—15.30	0.17		
		15.30—16.30	0.05	S, SE	8.8—7.0
		16.30—17.00	0.03	SE	7.0
		17.00—17.30	0.05		
		17.30—18.00	0.03		
50		18.00—19.00	Trace		
		19.00—20.30	Zero		
		20.30—21.00	Trace		
		21.00—22.30	0.06	SE, S	7.0—8.8
		22.30—23.30	0.04	S	8.8
		23.30—24.00	0.10		

EXHIBIT No. 167 (Continued)  
 Recorder Station at Dunn Greenhouses,  
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*In the  
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 Chart, sul-  
 phur dioxide  
 and wind  
 readings  
 taken by  
 Dr. Katz at  
 Dunn's  
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 Mar., 1949  
 Continued*

	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
10	Mar. 21	0.00— 0.30	0.09	SW	14.7
		0.30— 1.30	0.05		
		1.30— 2.00	0.03		
		2.00— 2.30	0.05		
		2.30— 3.00	0.13		
		3.00— 3.30	0.05		
		3.30— 4.00	0.03		
		4.00— 4.30	0.13		
		4.30— 5.00	0.10		
		5.00— 5.30	0.06		
5.30— 6.00	Zero				
6.00— 6.30	0.10				
6.30— 7.00	0.08				
7.00— 7.30	0.03				
7.30— 8.00	0.12				
8.00— 9.00	0.08				
9.00— 9.30	0.05				
9.30—10.00	0.08				
10.00—11.30	0.12	SW	14.7		
11.30—12.30	0.09				
12.30—13.00	0.05				
13.00—13.30	0.08				
13.30—14.00	0.12				
14.00—14.30	0.06				
14.30—15.00	0.08				
15.00—17.30	0.10			SW, S	14.7—8.0
17.30—18.00	0.08				
18.00—21.00	Zero			S	8.0
21.00—22.30	0.10				
22.30—24.00	0.06	S	13.8		
40	Mar. 22			0.00— 4.30	0.06
				4.30— 5.30	0.05
				5.30— 6.00	0.13
				6.00— 7.00	0.05
				7.00— 7.30	0.03
				7.30— 8.00	0.10
				8.00— 9.00	0.08
				9.00— 9.30	0.16
				9.30—10.00	0.12
		10.00—10.30	0.09		
10.30—11.00	0.13	S	13.8		
11.00—11.30	0.08				
11.30—12.00	0.16				
12.00—12.30	0.08				
12.30—13.00	0.05				
13.00—14.00	Zero				
14.00—16.00	Trace				

## EXHIBIT No. 167 (Continued)

Recorder Station at Dunn Greenhouses,  
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Dr. Katz at  
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Mar., 1949  
Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	16.00—16.30	0.08	S	13.8
	16.30—17.00	0.12		
	17.00—17.30	0.17		
	17.30—18.00	0.12		
	18.00—18.30	0.10		
	18.30—20.00	0.05		
	20.00—20.30	0.16		
	20.30—21.30	0.09		
	21.30—23.00	0.05	SW	11.2
	23.00—24.00	0.04		
Mar. 23	0.00— 3.30	0.05	SW	13.7
	3.30— 4.00	0.04		
20	4.00— 4.30	0.12		
	4.30— 6.00	0.06		
	6.00— 6.30	0.04	W	13.4
	6.30—14.00	Zero	W, NW	13.4—10.0
	14.00—16.00	0.03	NW	10.0
	16.00—24.00	Zero	NW, W, N	10.0—4.0
Mar. 24	0.00—24.00	Zero	N, E, NE	4.0—13.6
Mar. 25	0.00— 5.00	Zero	E	4.0
	5.00— 6.00	0.03	Calm	
	6.00— 7.00	Trace	Calm, E	2.0
30	7.00— 7.30	0.05	E	2.0
	7.30— 8.30	0.12	E, N	2.0—3.3
	8.30— 9.00	0.16	N	3.3
	9.00— 9.30	0.12		
	9.30—11.00	0.08		
	11.00—11.30	0.05	NW	4.0
	11.30—12.00	0.12		
	12.00—12.30	0.10		
	12.30—13.00	0.05		
	13.00—13.30	0.08		
40	13.30—14.30	0.13	SW	14.0
	14.30—15.00	0.09		
	15.00—15.30	0.10		
	15.30—16.00	0.08	SW	14.0
	16.00—17.00	0.06		
	17.00—17.30	0.10		
	17.30—20.00	0.05		
	20.00—20.30	0.08		
	20.30—21.00	0.03		
	21.00—22.00	0.05		
50	22.00—22.30	0.08	W	7.0
	22.30—24.00	0.01		
Mar. 26	0.00— 0.30	0.01	NW	4.5
	0.30— 1.00	0.04		
	1.00— 2.00	0.05		
	2.00— 2.30	0.04		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	2.30— 3.00	Zero			
	3.00— 4.00	0.05			
	4.00— 8.00	Zero	S	4.0	
	8.00— 8.30	0.05	W	2.0	
	8.30— 9.30	Zero			
	9.30—10.00	0.03			
	10.00—11.00	0.09	W, N	2.0—5.3	
	11.00—11.30	0.05			
	11.30—12.00	0.03			
	12.00—24.00	Zero	E, N	5.7—4.0	
Mar. 27	0.00— 3.00	Zero	N, W	3.5—2.3	
	3.00— 3.30	0.03	W	2.3	
20	3.30— 4.30	0.05			
	4.30— 5.30	0.03			
	5.30— 6.30	0.04			
	6.30— 9.00	0.05			
	9.00— 9.30	0.10			
	9.30—10.00	0.08			
	10.00—10.30	0.12			
	10.30—11.00	0.06			
	11.00—11.30	0.10	SW	20.5	
	11.30—12.00	0.05			
30	12.00—12.30	0.06			
	12.30—13.30	0.05			
	13.30—14.30	0.06			
	14.30—15.00	0.05			
	15.00—15.30	0.06			
	15.30—16.00	0.04			
	16.00—16.30	0.09			
	16.30—17.30	0.05			
	17.30—20.30	0.04			
	20.30—21.00	0.05			
40	21.00—21.30	0.03			
	21.30—22.00	0.01			
	22.00—24.00	Zero	SW	20.5	
	Mar. 28	0.00— 1.30	0.03	SW	18.6
1.30— 2.30		Zero			
50	2.30— 3.00	0.03			
	3.00— 3.30	0.10			
	3.30— 4.30	0.03			
	4.30— 6.30	Trace	SW, W	18.6—11.5	
	6.30—15.00	Zero	W	11.5	
	15.00—15.30	0.04			
	15.30—16.30	0.03			
	16.30—17.00	Trace			
	17.00—17.30	0.05			
	17.30—19.00	Zero			

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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In the  
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Chart, sul-  
phur dioxide  
and wind  
readings  
taken by  
Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
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Mar., 1949  
Continued

Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	19.00—19.30	0.03	W	11.5
	19.30—20.00	0.05		
	20.00—21.00	Trace		
	21.00—21.30	0.09		
	21.30—22.00	0.06		
	22.00—22.30	0.03		
	22.30—23.00	0.05	NE	4.0
	23.00—23.30	0.04		
	23.30—24.00	0.05		
Mar. 29	0.00— 0.30	0.01	NE	2.6
	0.30— 2.00	0.03		
	2.00— 3.30	Trace		
20	3.30— 4.00	0.04	SE	5.5
	4.00— 5.00	0.05		
	5.00— 5.30	0.06		
	5.30— 6.00	0.10	S	6.2
	6.00— 7.00	0.13		
	7.00— 8.00	0.18		
	8.00— 8.30	0.14		
	8.30— 9.30	0.08		
	9.30—10.00	0.05		
	10.00—10.30	0.08	E	4.0
30	10.30—11.30	0.09		
	11.30—12.00	0.13		
	12.00—12.30	0.10	SW.	16.4
	12.30—13.00	0.13		
	13.00—14.00	0.10		
	14.00—14.30	0.13		
	14.30—16.00	0.10		
	16.00—17.30	0.06		
	17.30—18.30	0.05	SW, N	16.4—3.5
	18.30—24.00	0.03	N	3.5
40	Mar. 30 0.00— 0.30	Trace	N	2.0
	0.30— 1.30	0.05		
	1.30— 2.00	0.03		
	2.00— 2.30	0.01	E	6.0
	2.30— 5.30	Zero	E, NE	6.0—9.2
	5.30— 6.30	Trace	NE	9.2
	6.30— 7.00	0.03		
	7.00— 7.30	0.05		
	7.30— 8.00	0.03		
	8.00— 9.00	0.01		
50	9.00—14.30	0.04		
	14.30—16.00	0.03		
	16.00—24.00	Zero	NE	9.2
Mar. 31	0.00— 8.30	Zero	E, NE	10.6—13.4
	8.30—24.00	Zero	NE, E	13.4—10.0

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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	Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>					
10	April 1	0.00— 4.00	Zero	NE	10.9						
		4.00— 4.30	0.03								
		4.30— 5.30	Trace								
		5.30— 7.00	Zero								
		7.00— 7.30	0.03								
		7.30— 8.00	0.05								
		8.00— 8.30	0.03								
		8.30— 9.00	0.05								
		9.00— 9.30	0.04								
		9.30—11.00	0.03								
20	April 2	11.00—24.00	Zero	NE, N, NW NW	10.9—7.0 4.0						
		0.00— 0.30	Zero								
		0.30— 2.00	0.05								
		2.00— 3.30	0.04								
		3.30— 7.00	Zero								
		7.00— 7.30	0.05								
		7.30—11.00	0.03								
		11.00—11.30	0.01								
		11.30—12.30	0.03								
		12.30—14.30	Zero								
		14.30—15.00	0.04								
		15.00—15.30	0.05								
		15.30—18.30	Zero								
		18.30—19.00	0.03								
19.00—19.30	0.05										
19.30—20.00	0.08										
20.00—20.30	0.04										
20.30—23.30	0.03										
23.30—24.00	0.04										
30	April 3	0.00— 0.30	0.03	SW SW	2.0						
		0.30— 2.30	0.04								
		2.30— 3.30	0.05								
		3.30— 4.30	0.06								
		4.30— 6.00	0.05								
		6.00— 7.00	0.04								
		7.00— 8.30	0.05								
		8.30— 9.00	0.04								
		9.00— 9.30	0.03								
		9.30—10.30	0.05								
40	April 3	10.30—12.00	0.04	SW, NW N	2.0—4.0 6.0						
		12.00—13.00	0.03								
		13.00—23.00	Zero								
		23.00—24.00	0.03								
		0.00— 1.00	0.03								
		1.00— 1.30	0.06								
		1.30— 2.00	0.05								
		2.00— 4.00	0.04								
		50	April 4				0.00— 1.00	0.03	N N	6.0 5.7	
							1.00— 1.30	0.06			
1.30— 2.00	0.05										
2.00— 4.00	0.04										

## EXHIBIT No. 167 (Continued)

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Continued

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
	4.00— 4.30	0.03		
	4.30— 7.30	0.05		
	7.30— 8.30	0.04		
	8.30— 9.30	0.05		
	9.30—11.00	0.03		
	11.00—12.30	0.03		
	12.30—13.30	0.05	N	5.7
	13.30—17.00	Zero	N, SW	5.7—8.6
	17.00—17.30	0.09	SW	8.6
	17.30—18.00	0.08		
	18.00—18.30	0.05		
	18.30—19.00	0.08		
20	19.00—19.30	0.04		
	19.30—22.00	0.06		
	22.00—23.30	0.04		
	23.30—24.00	0.01	SW	8.6
April 5	0.00— 0.30	Zero	S	5.3
	0.30— 1.30	0.04		
	1.30— 2.30	0.05		
	2.30— 3.30	0.03		
	3.30— 7.00	Zero		
	7.00— 7.30	0.05		
30	7.30— 8.00	0.10		
	8.00— 8.30	0.16		
	8.30—10.00	0.05	S	5.3
	10.00—10.30	0.09		
	10.30—11.00	0.04		
	11.00—11.30	Trace		
	11.30—12.00	0.04		
	12.00—12.30	0.06	E	5.0
	12.30—14.00	0.04		
	14.00—15.30	0.03		
40	15.30—16.00	Zero		
	16.00—16.30	0.03		
	16.30—17.00	0.05		
	17.00—17.30	0.03		
	17.30—19.30	0.04		
	19.30—20.00	0.05		
	20.00—20.30	0.01	SE	8.5
	20.30—21.00	0.09		
	21.00—21.30	0.06		
	21.30—22.00	0.04		
50	22.00—24.00	0.08		
April 6	0.00— 0.30	0.04	SE	8.0
	0.30— 1.00	0.03		
	1.00— 1.30	0.05	E	6.0
	1.30— 2.00	0.02		

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
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Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>	
10	2.00— 6.30	Zero				
	6.30— 7.00	0.04				
	7.00— 8.30	Zero				
	8.30— 9.00	0.02				
	9.00—12.30	Zero	N	5.5		
	12.30—14.00	0.01	NW	10.7		
	14.00—15.00	0.02				
	15.00—15.30	0.04				
	15.30—16.30	0.05				
	16.30—17.00	0.02				
	17.00—18.00	0.04				
	18.00—22.30	Zero	NW, W	10.7—11.6		
	22.30—24.00	0.02	W	11.6		
	20 April 7	0.00— 0.30	0.02	SW	10.0	
0.30— 1.00		0.08				
1.00— 1.30		0.05				
1.30— 2.00		0.08				
2.00— 5.00		0.05	SW, W	10.0—7.7		
5.00— 6.00		0.08	W	7.7		
6.00— 6.30		0.05				
6.30— 7.00		0.06				
7.00— 7.30		0.04				
30		7.30— 8.00	0.05			
		8.00— 9.00	0.06			
		9.00—10.00	0.05	W, SW	7.7—12.0	
		10.00—11.30	0.08	SW	12.0	
		11.30—12.00	0.09			
	12.00—14.00	0.06	SW, W	12.0—9.8		
	14.00—14.30	0.04	W	9.8		
	14.30—15.00	Zero				
	15.00—15.30	0.20				
	15.30—16.30	0.13				
	40	16.30—17.00	0.09			
		17.00—18.00	0.06			
		18.00—20.30	0.05			
		20.30—21.30	0.03			
21.30—22.00		0.05	NW	9.8		
22.00—22.30		Zero				
22.30—23.00		0.06	NW	9.8		
23.00—23.30		0.01				
23.30—24.00		0.03				
50 April 8		0.00— 0.30	0.03	NW	8.0	
		0.30— 1.00	0.04			
		1.00— 2.00	Zero	NW, W	8.0—5.0	
		2.00— 3.00	0.03	W	5.0	
		3.00— 4.00	0.05			
	4.00— 4.30	0.03				
	4.30— 5.00	0.04				



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Dr. Katz at  
Dunn's  
test house  
1st Jan.,  
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Mar., 1949  
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	Date 1949	Time	SO2 in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.
		5.00— 5.30	0.03		
		5.30— 6.00	0.04		
		6.00— 6.30	0.05		
		6.30— 7.00	0.03	NW	8.7
		7.00— 7.30	0.04		
		7.30— 8.30	0.01		
		8.30—10.30	Trace		
		10.30—19.00	Zero	NW, N	8.7—10.0
		19.00—19.30	0.05	N	10.0
		19.30—21.00	Trace		
		21.00—22.00	0.03		
		22.00—23.30	0.04		
20	April 9	23.30—24.00	0.03		
		0.00— 3.00	Zero	N	10.6
		3.00— 4.00	0.03		
		4.00—22.30	Zero		
		22.30—23.30	0.03		
		23.00—24.00	0.04		
	April 10	0.00— 1.00	0.04	N	4.5
		1.00— 1.30	0.05		
		1.30— 6.00	0.03		
		6.00— 7.00	Trace		
30		7.00— 8.00	0.04		
		8.00— 8.30	Trace		
		8.30—14.00	Zero		
		14.00—14.30	0.05		
		14.30—15.30	0.03	SW	10.0
		15.30—16.00	0.01		
		16.00—16.30	0.06		
		16.30—17.00	0.03		
		17.00—17.30	0.06		
		17.30—18.00	0.03		
40		18.00—18.30	Trace		
		18.30—19.00	Zero		
		19.00—19.30	0.08		
		19.30—20.00	0.04		
		20.00—20.30	0.05	W	8.0
		20.30—22.30	0.03		
		22.30—23.00	0.01		
		23.00—24.00	0.03		
	April 11	0.00— 0.30	0.03	W	6.0
		0.30— 1.00	0.04		
50		1.00— 1.30	0.03		
		1.30— 2.00	0.04		
		2.00— 2.30	0.03		
		2.30— 3.00	0.04		
		3.00— 4.00	0.05		
		4.00— 4.30	0.04	S	5.0

EXHIBIT No. 167 (Continued)  
Recorder Station at Dunn Greenhouses,  
St. Catharines, Ontario

Date 1949	Time	SO <sub>2</sub> in P.P.M.	Prevailing Wind Direction	Average Wind Velocity in M.P.H.	<i>In the Supreme Court of Ontario Defendant's Exhibit No. 167 Chart, sul- phur dioxide and wind readings taken by Dr. Katz at Dunn's test house 1st Jan., 1949 to 9th Mar., 1949 Continued</i>
10	4.30— 5.00	0.03			
	5.00— 6.30	0.01	S	5.0	
	6.30— 7.00	0.05			
	7.00— 7.30	0.12	W	4.0	
	7.30— 8.00	0.05			
	8.00— 9.30	0.03			
	9.30—14.30	0.05	N, NE	3.0—7.4	
	14.30—15.30	0.04	NE	7.4	
	15.30—17.30	Trace	NE, E	7.4—4.8	
	17.30—24.00	Zero	E, S	4.8—4.4	
April 12	0.00— 0.30	0.05	S	3.4	
	0.30— 1.30	0.09			
20	1.30— 2.00	0.05			
	2.00— 3.30	0.03			
	3.30— 4.00	0.05			
	4.00— 4.30	0.04			
	4.30— 5.30	0.01			
	5.30— 6.30	Zero			
	6.30— 7.00	0.05	SW	4.5	
	7.00— 7.30	0.08			
	7.30— 8.30	0.09			
	8.30— 9.30	0.05	N	4.0	
30	9.30—10.00	0.08			
	10.00—11.30	0.09	N, W	4.0—6.0	
	11.30—12.00	0.08	W	6.0	
	12.00—12.30	0.05			
	12.30—13.30	0.04	S	8.0	
	13.30—14.00	0.08	W	6.0	
	14.00—14.30	0.12			
	14.30—15.00	0.08			
	15.00—15.30	0.05			
	15.30—17.00	Trace	E	6.0	
40	17.00—19.00	Zero			
	19.00—20.00	Trace			
	20.00—21.00	0.04	E, S	6.0—4.3	
	21.00—21.30	0.06	S	4.3	
	21.30—22.00	0.09			
	22.00—22.30	0.04			
	22.30—23.00	0.08			
	23.00—23.30	0.06			
	23.30—24.00	0.16			
	April 13	0.00— 1.30	0.10	S	1.5
1.30— 2.00		0.08			
2.00— 2.30		0.06			
2.30— 4.00		0.04			
4.00— 5.30		0.03			
5.30— 7.00		0.05			
7.00— 8.30		0.13			
50					

1880

EXHIBIT No. 168

(Not Printed)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 168  
Gladioli  
leaves  
(not printed)*

EXHIBIT No. 171

(Not Printed)

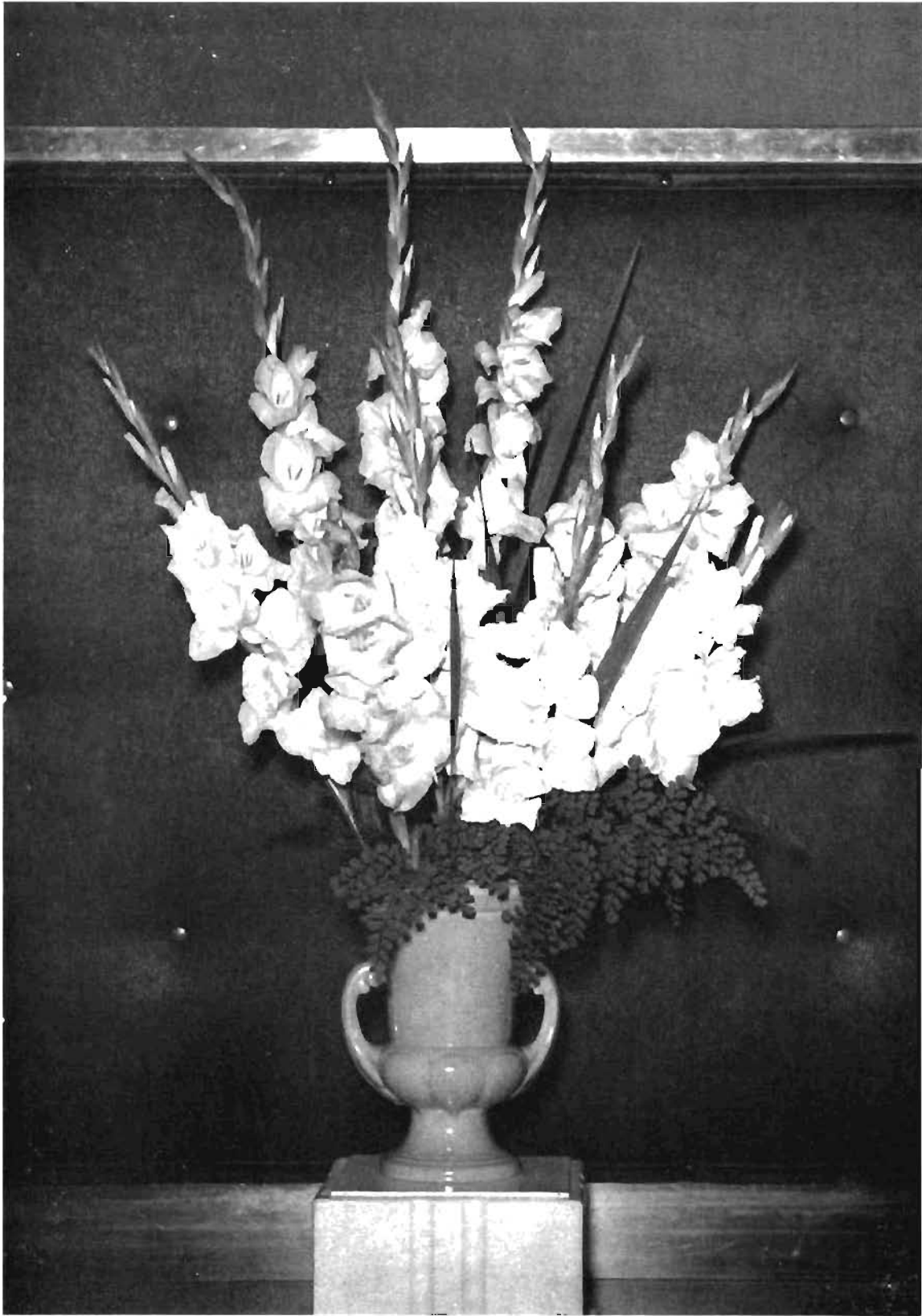
*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 171  
Original  
drawing of  
Forge Shop  
area show-  
ing location  
of hammers  
(not printed)*



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 169 (a)  
Photo of  
Gladioli  
from  
Defendant's  
test plot*

EXHIBIT No. 169A

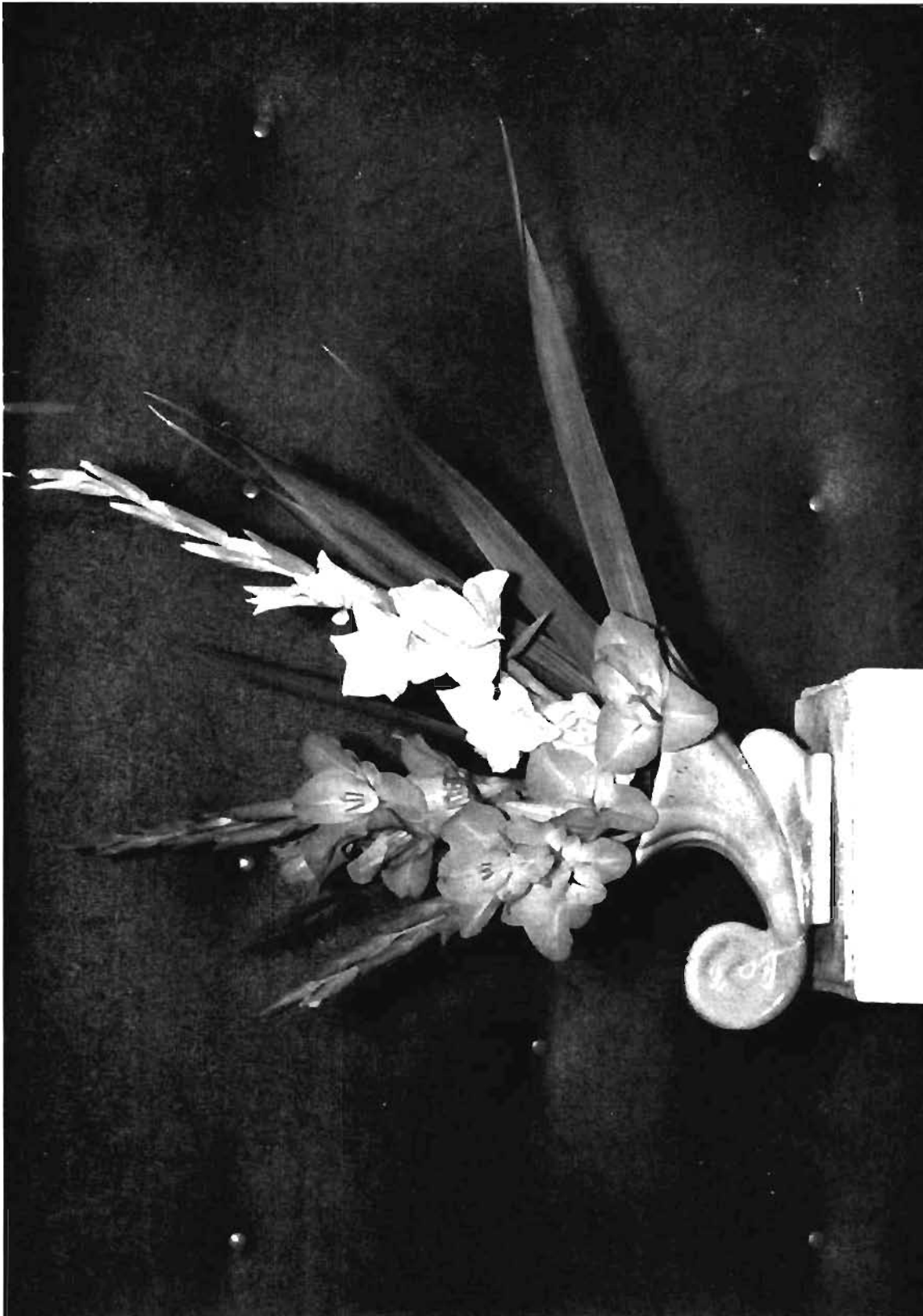
Photo taken at Dunn's Greenhouse of Gladioli taken from Defendant's test plot.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 169 (b)  
Photo of  
Gladioli  
from  
Defendant's  
test plot*

EXHIBIT No. 169B

Photo taken at Dunn's Greenhouse of Gladioli taken from Defendant's test plot.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 169 (c)  
Photo of  
Gladioli  
from  
Defendant's  
test plot*

EXHIBIT No. 169C

Photo taken at Dunn's Greenhouse of Gladioli taken from  
Defendant's test plot.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 169 (d)  
Photo of  
Gladioli  
from  
Defendant's  
test plot*

EXHIBIT No. 169D

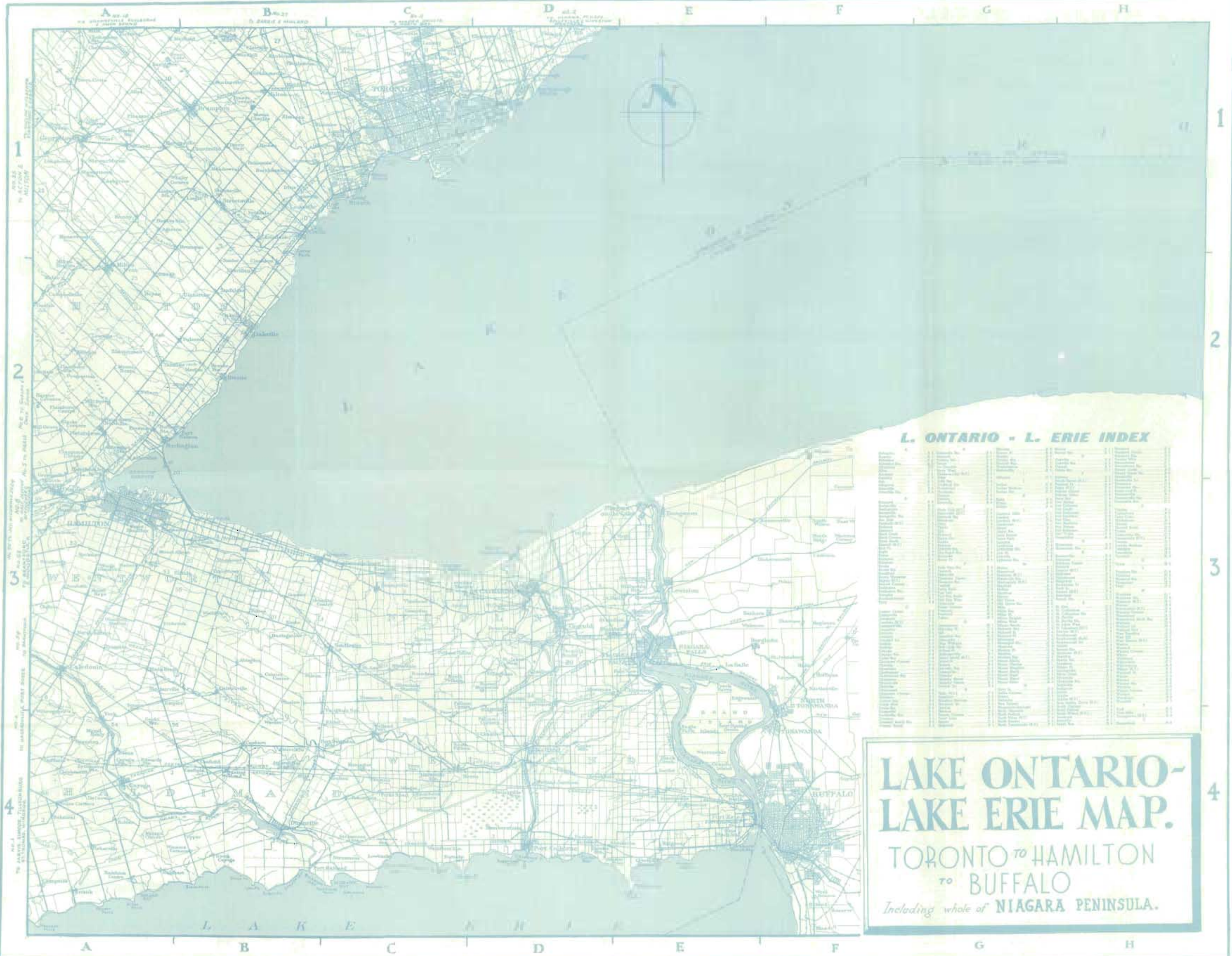
Photo taken at Dunn's Greenhouse of Gladioli taken from Defendant's test plot.

1885

EXHIBIT No. 170  
Map of City of St. Catharines

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 170  
Map of  
City of St.  
Catharines*





**L. ONTARIO - L. ERIE INDEX**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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**LAKE ONTARIO-  
LAKE ERIE MAP.**  
TORONTO <sup>TO</sup> HAMILTON  
<sup>TO</sup> BUFFALO  
*Including whole of NIAGARA PENINSULA.*







EXHIBIT No. 172  
Table of vibration tests, Sept. 1947.

(Not Printed)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 172  
Table of  
vibration  
tests  
Sept., 1947  
(not printed)*

EXHIBIT No. 173  
Further table of vibration data from exhibit 172.

(Not Printed)

*Defendant's  
Exhibit  
No. 173  
Further  
table of  
vibration  
data from  
Exhibit 172  
(not printed)*

EXHIBIT No. 174  
Table of vibration test at Defendant's, Feb. 1948.

(Not Printed)

*Defendant's  
Exhibit  
No. 174  
Table of  
vibration  
test at  
Defendant's  
Feb., 1948  
(not printed)*

EXHIBIT No. 175  
Table of vibration data as in exhibit 174 at Dunn's test house, Feb. 1948.

(Not Printed)

*Defendant's  
Exhibit  
No. 175  
Table of  
vibration  
data as in  
Exhibit 174  
at Dunn's  
test house  
Feb., 1948  
(not printed)*

EXHIBIT No. 176  
Further table of test data in vicinity of Defendant's Plant.

(Not Printed)

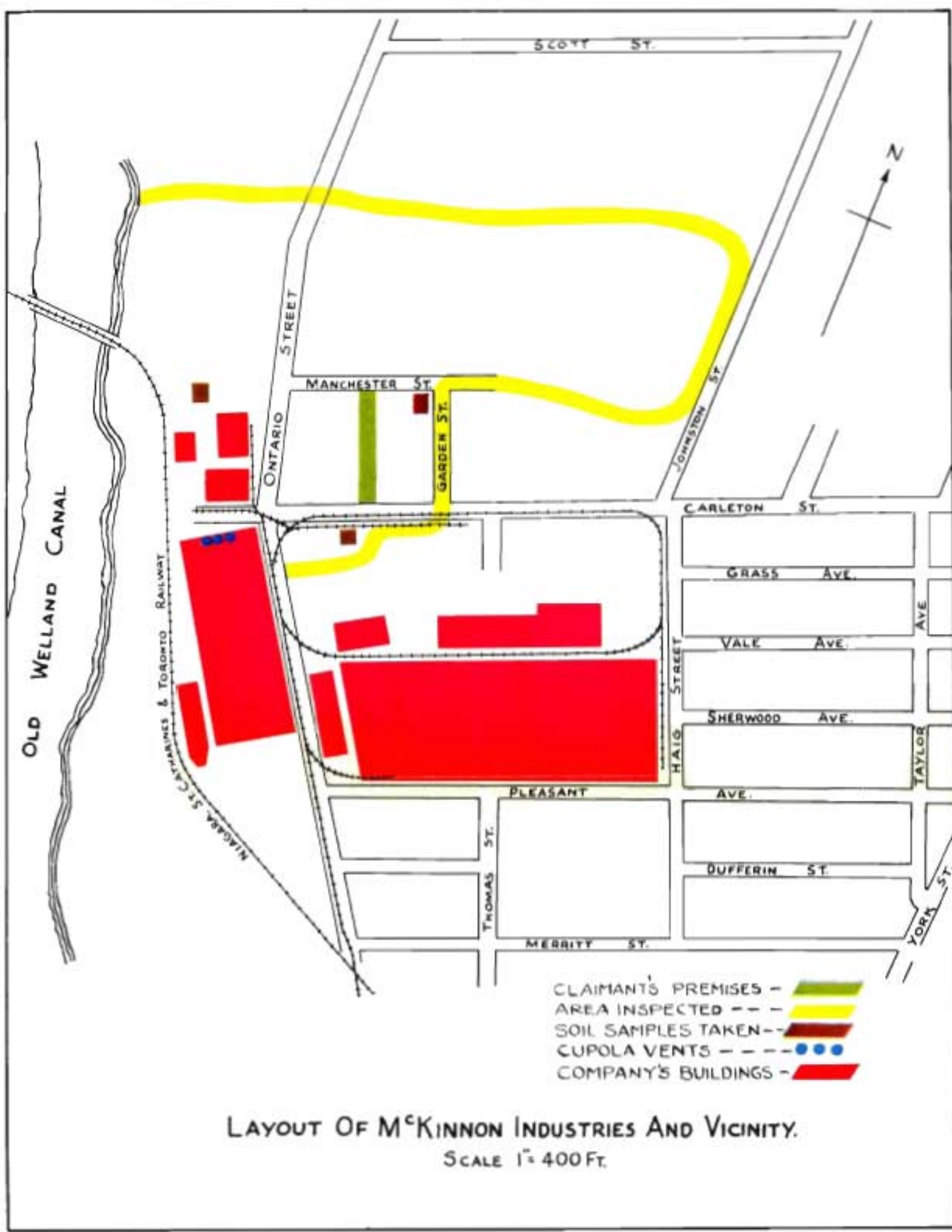
*Defendant's  
Exhibit  
No. 176  
Further  
table of test  
data in  
vicinity of  
Defendant's  
Plant  
(not printed)*



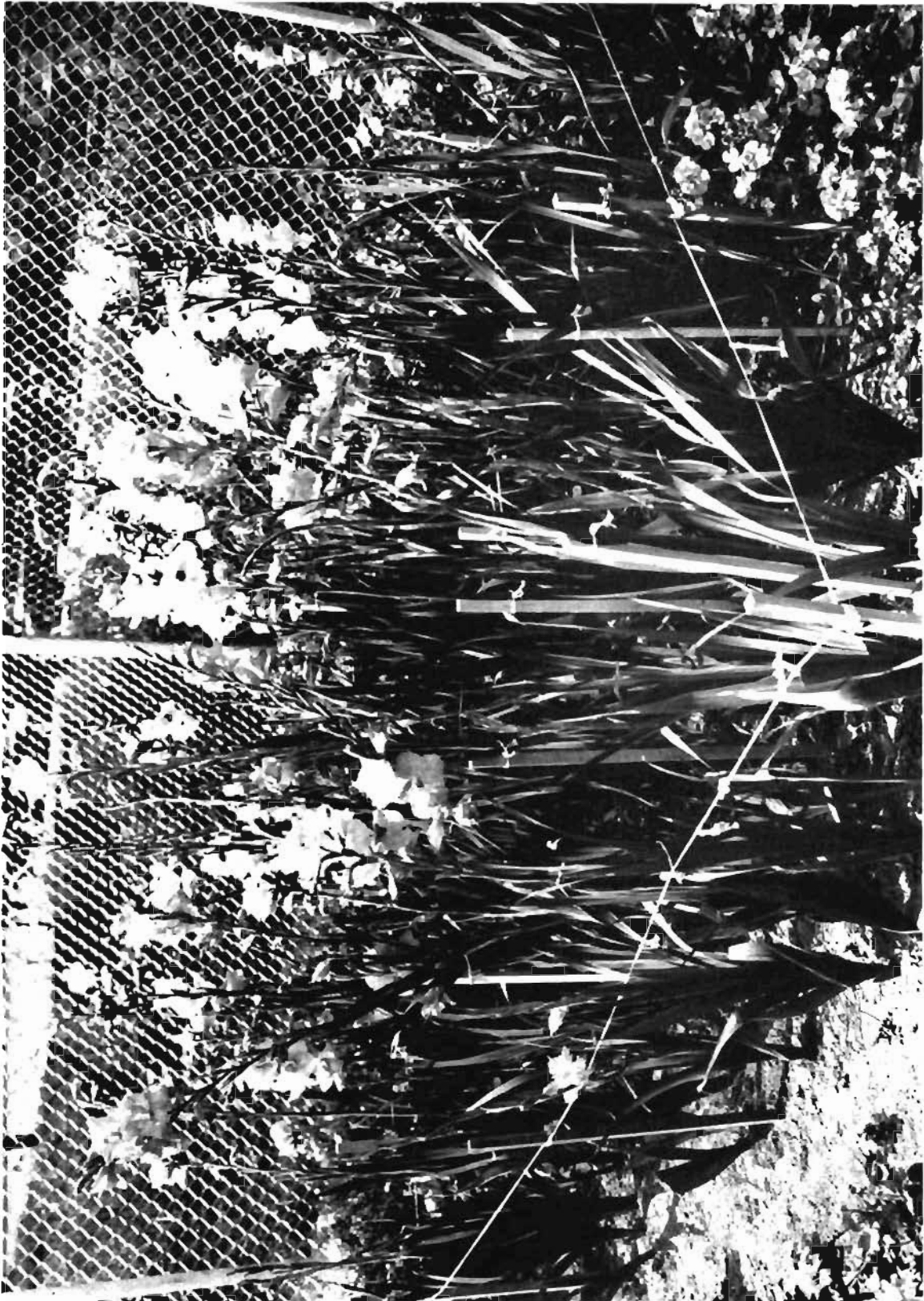
*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 177  
Aerial photo  
of McKinnon  
Dash  
Company  
taken  
between  
1930-1933*

EXHIBIT No. 177

Photo of McKinnon Dash Company taken between 1930 and 1933.



In the  
 Superior  
 Court of  
 Ontario  
 between  
 The  
 Plaintiff  
 and  
 The  
 Defendant  
 No. 178  
 Map of area  
 near  
 Defendant's  
 premises  
 made by  
 J. H. Hall  
 showing area  
 inspected by  
 him and  
 situated in  
 Catharines

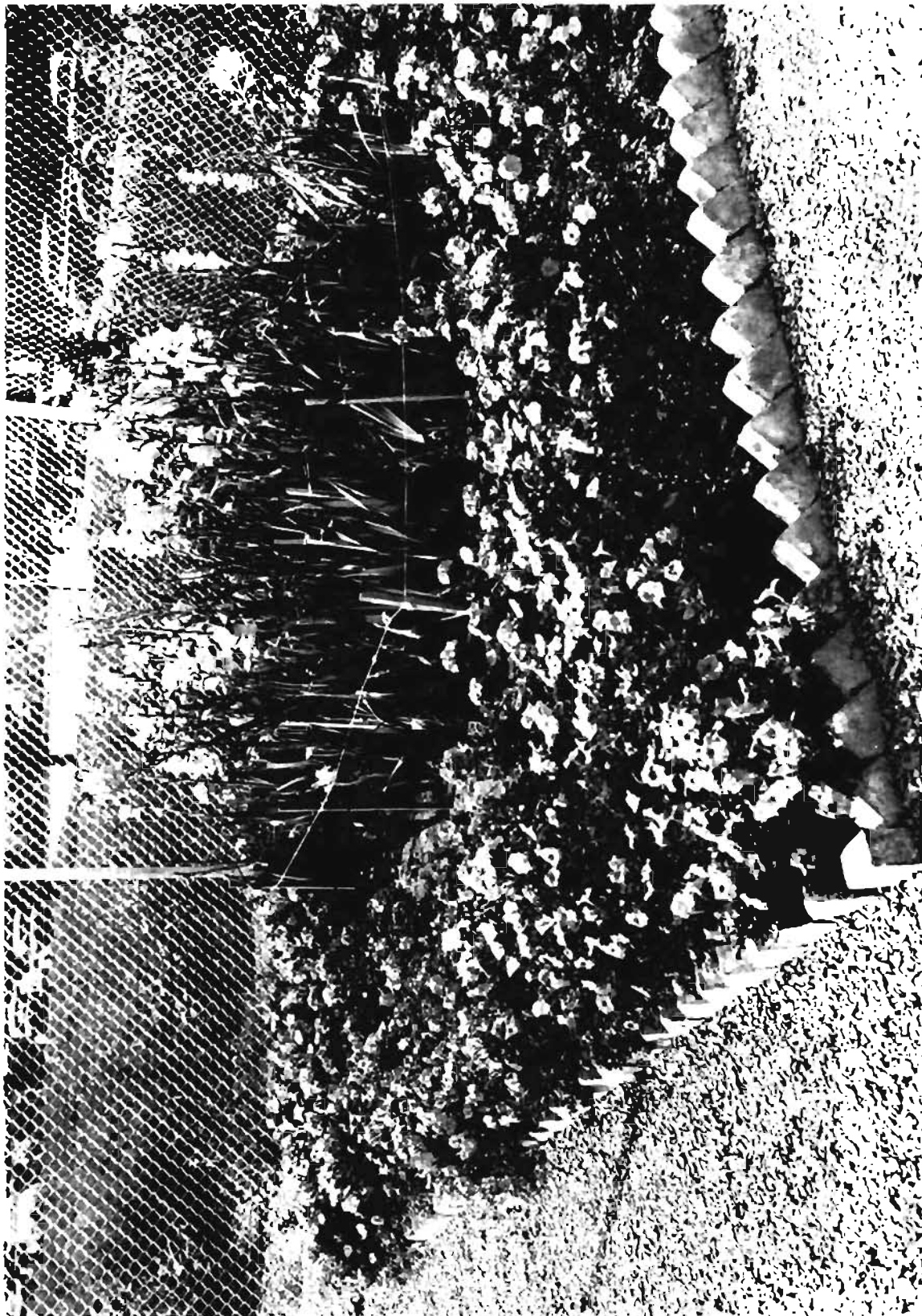


*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 179  
Photo of  
Gladioli in  
Defendant's  
test plot  
6th Sept.,  
1947*

EXHIBIT No. 179

Photo of Gladioli in McKinnon test plot taken September 6th, 1947

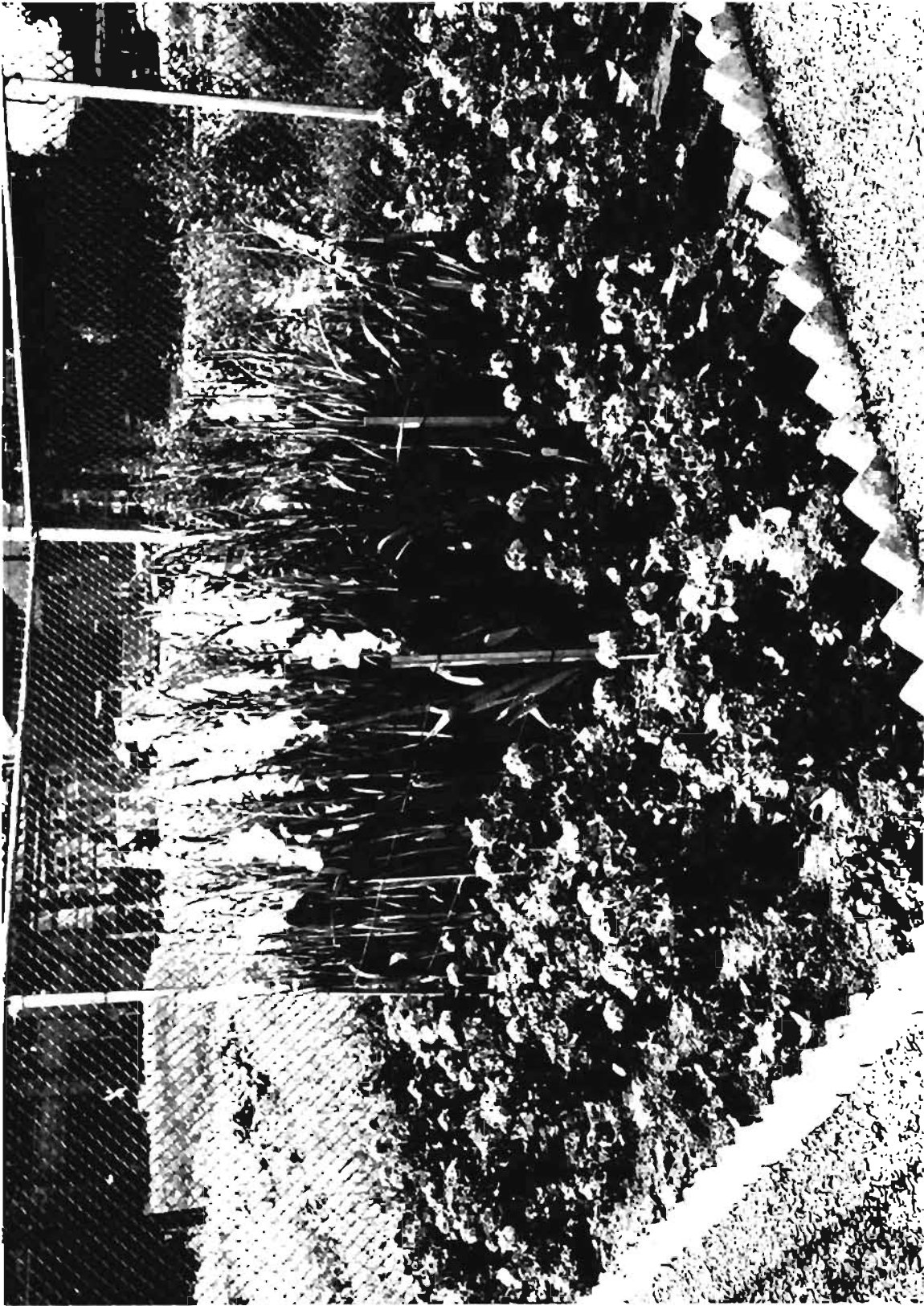




*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 180  
Photo of  
Gladioli and  
other flowers  
in  
Defendant's  
test plot  
6th Sept.,  
1947*

EXHIBIT No. 180

Photo showing gladioli and other flowers in McKinnon test plot September 6th, 1947.

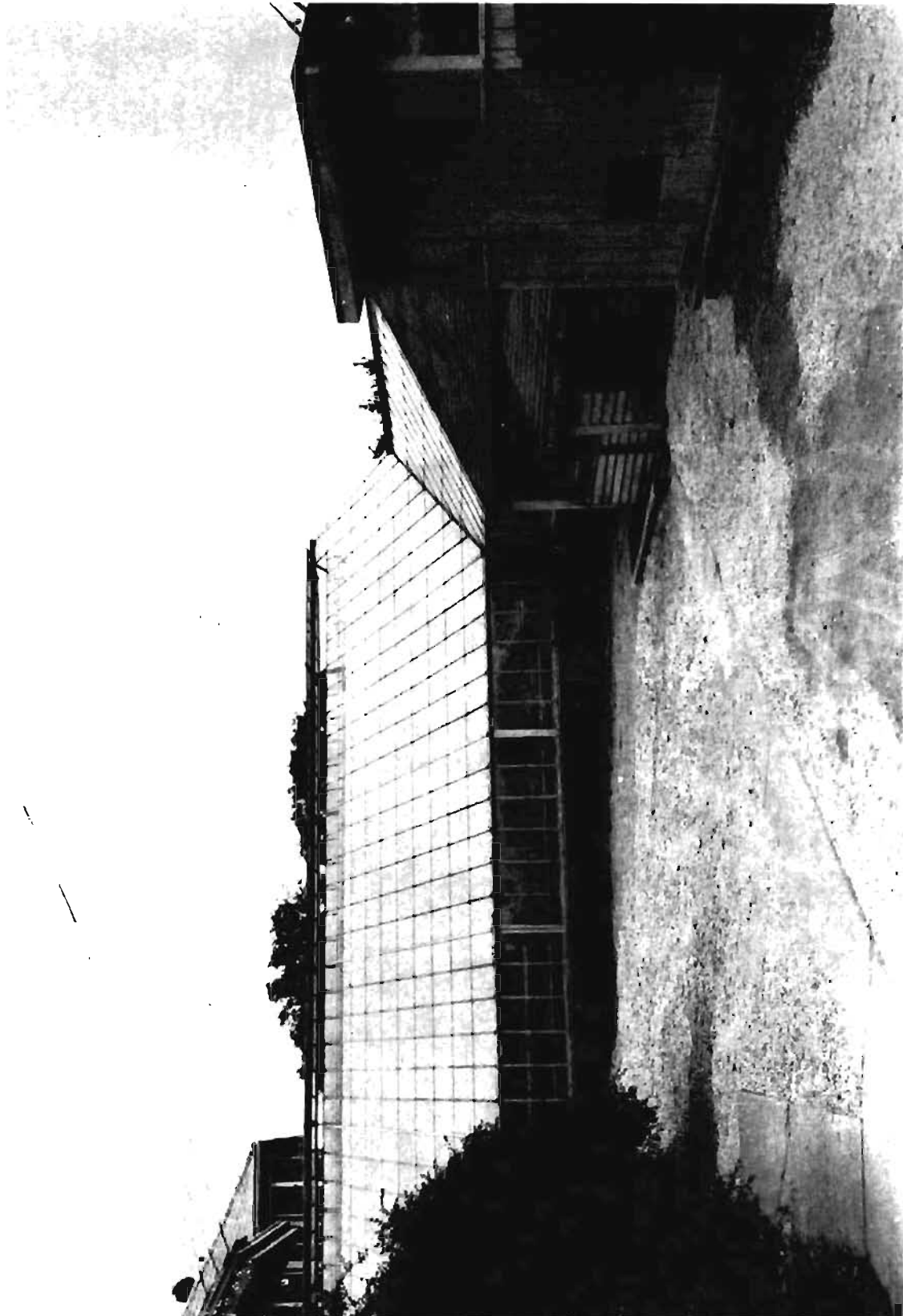


*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 181  
Photo of  
Gladioli and  
other flowers  
in  
Defendant's  
test plot  
25th Aug.,  
1947*

EXHIBIT No. 181

Photo of Gladioli and other flowers in Defendant's test plot,  
August 25, 1947.





*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 182  
Photo of test  
house and  
greenhouse  
at Dunn's  
June, 1948*

EXHIBIT No. 182

Photo of test house and greenhouse at Dunn's, June, 1948.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 183  
Photo of  
Chrysanthemums in  
test plot at  
Defendant's  
15th Oct.,  
1948*

EXHIBIT No. 183

Photo of Chrysanthemums in test plot at Defendant's property, October 15, 1948.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 184  
Photo of  
Chrysanthemums  
taken in  
Defendant's  
test plot  
20th Aug.,  
1948*

EXHIBIT No. 184

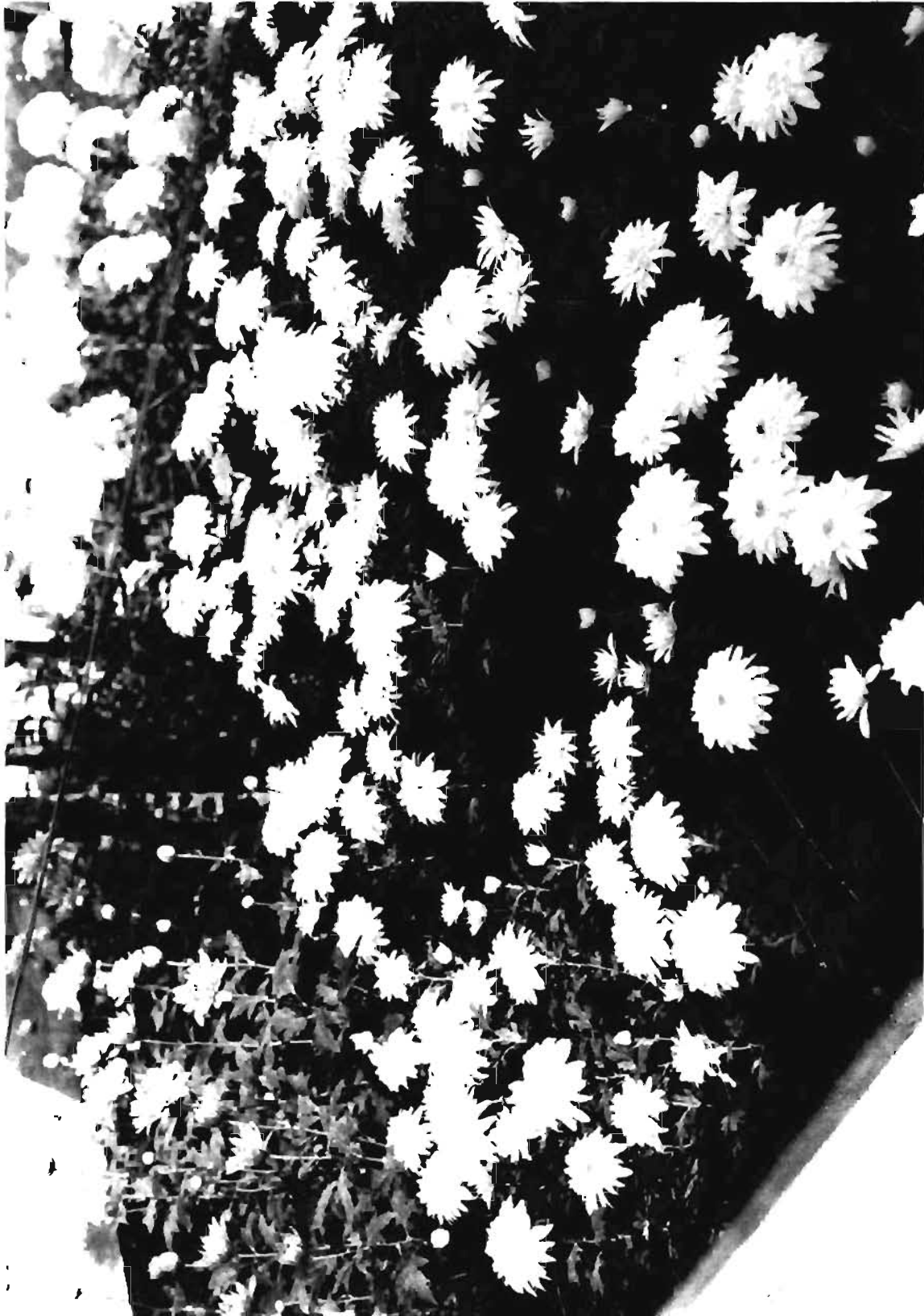
Photo of Chrysanthemums in Defendant's test plot, August  
20, 1948.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 185  
Photo of  
Chrysanthemums in  
Defendant's  
test plot  
20th Oct.,  
1948*

EXHIBIT No. 185

Photo Chrysanthemums in Defendant's test plot October 20, 1948.

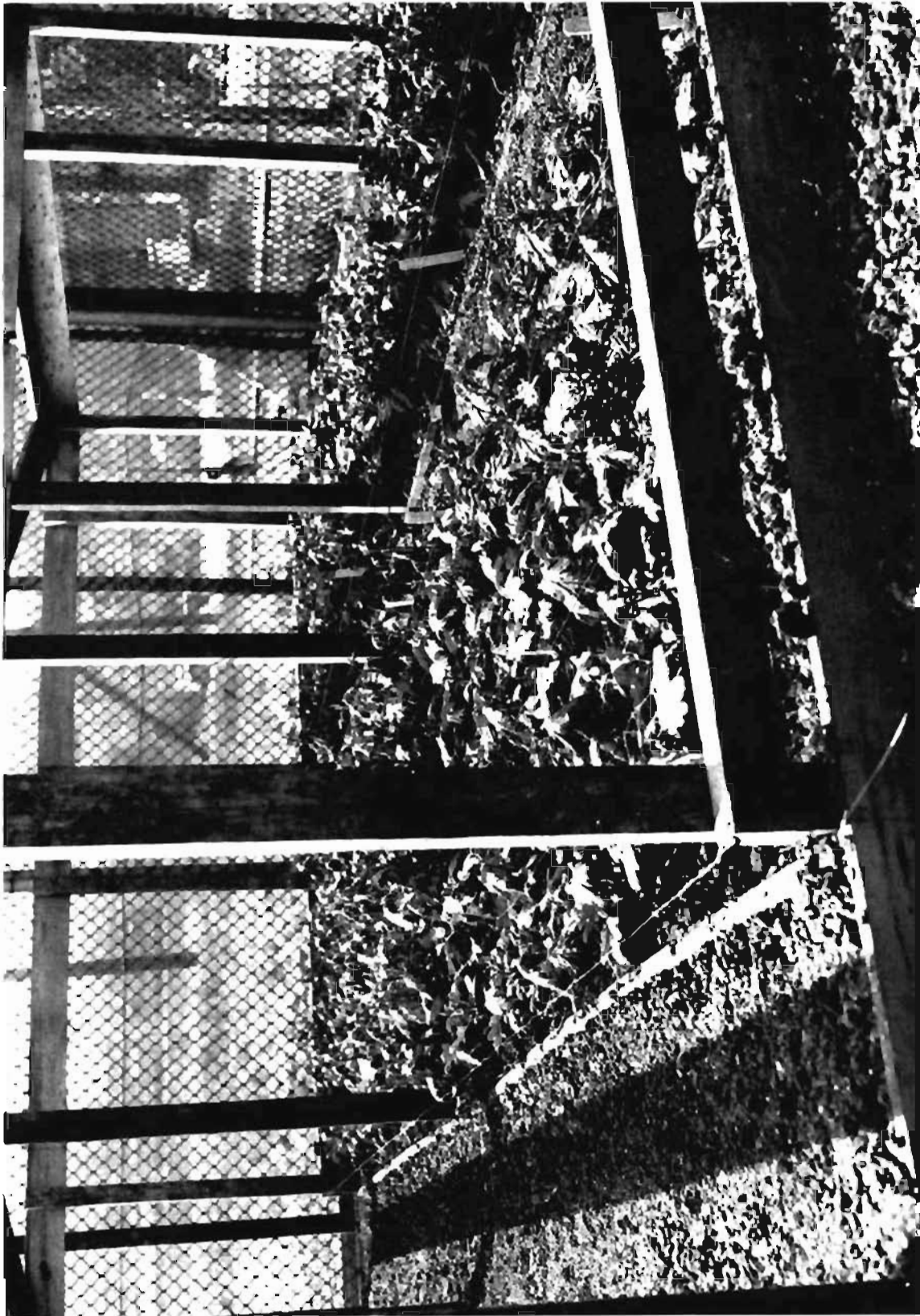


*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 186  
Photo of  
Chrysanthemums in  
Defendant's  
test plot  
20th Oct.,  
1948*

EXHIBIT No. 186

Photo of Chrysanthemums in Defendant's test plot, October 20, 1948.





*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 187  
Photo of  
Young  
Chrysanthemums in  
Defendant's  
test plot  
4th June,  
1948*

EXHIBIT No. 187

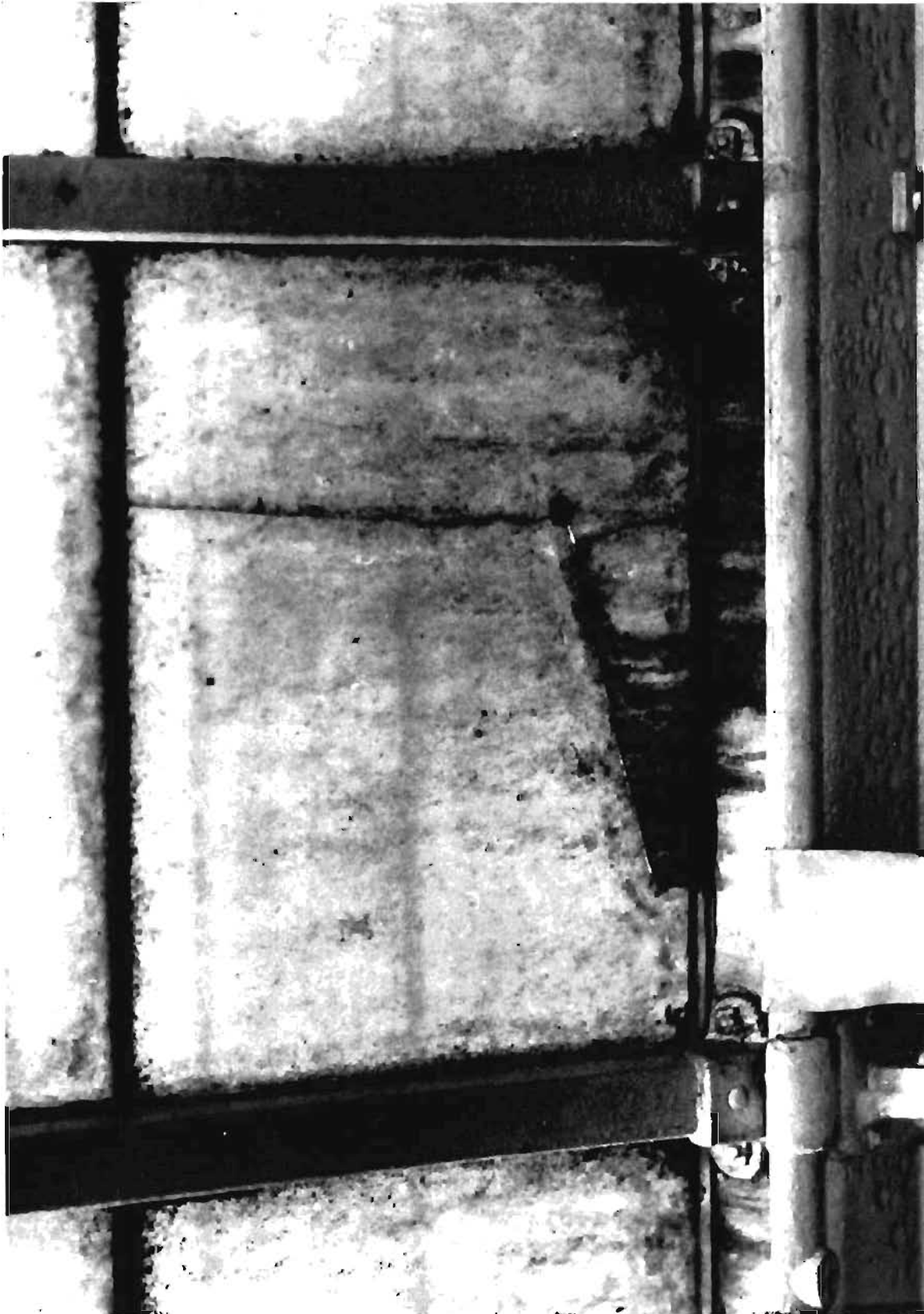
Photo June 4, 1948, showing young chrysanthemums in Defendant's test plot.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 188  
Photo show-  
ing clean  
and unclean  
glass in  
Dunn's  
greenhouse  
21st March,  
1949*

EXHIBIT No. 188

Photo showing clean and unclean glass in Dunn's greenhouse  
taken March 21, 1949.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 189  
Photo showing  
cracked  
pane of glass  
in Dunn's  
greenhouse  
21st March,  
1949*

EXHIBIT No. 189

Photo showing cracked pane of glass in Dunn's Greenhouse  
taken March 21, 1949.



1900

EXHIBIT No. 190  
THE McKINNON INDUSTRIES, LIMITED

Daily average tonnage of pig iron and of scrap iron and steel, charged into cupolas in each of the calendar years 1940 through the first quarter of 1949, both inclusive.

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 190  
Table of  
daily  
averages of  
pig iron,  
scrap iron  
and steel  
used by  
Defendant  
for the years  
1940 to 1949  
(first  
quarter)*

PIG IRON

	Year	Daily Average
10	1940	42.84
	1941	57.66
	1942	56.25
	1943	46.59
	1944	42.15
	1945	40.73
	1946	42.99
	1947	58.42
	1948	49.76
	1949 (1st Quarter)	63.39

SCRAP IRON AND STEEL

	Year	Daily Average
20	1940	159.80
	1941	219.89
	1942	214.63
	1943	194.62
	1944	178.88
	1945	150.13
	1946	121.96
	1947	147.48
	1948	150.26
	1949 (1st Quarter)	164.65

30 All of the foregoing figures are in net tons and the daily averages have been calculated on the basis of operating days.

McKinnon Cost Department, May 9, 1949

1901

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 191  
Model of  
Defendant's  
cupola stack  
(not printed)*

**EXHIBIT No. 191**

Model of cupola stack showing water wash system.

(Not Printed)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 192  
Flow nozzle  
from No. 3  
cupola of  
Defendant's  
(not printed)*

**EXHIBIT No. 192**

Flow nozzle from No. 3 cupola at Defendant's plant.

(Not Printed)

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 193  
Model of  
sludge tank  
of  
Defendant's  
(not printed)*

**EXHIBIT No. 193**

Model of sludge tank at Defendant's property.

(Not Printed)

1902

**EXHIBIT No. 194**

Average Consumption of Fuel Oil  
(Medium and Bunker C) in gallons per working day  
At The McKnion Industries Limited

*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 194  
Table of fuel  
oil used in  
Forge Shop  
1945 to 31st  
Mar., 1949*

	— Year —				
Fuel Oil	1945	1946	1947	1948	1949 (To end of March)
Bunker C	2341	1585	2576	2558	2724
Medium Fuel Oil	658	718	978	1057	1006



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 195  
Photo show-  
ing three  
cupolas on  
Defendant's  
property  
April, 1945*

EXHIBIT No. 195

Photo showing No. 3 cupola shortly after completion April, 1945.

1904

In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 196  
Photo of  
Plaintiff's  
greenhouse  
showing  
smoke stack  
8th Jan.,  
1945



Photo of Plaintiff's greenhouse showing smoke-stack taken  
Jan. 8, 1945.

EXHIBIT No. 196

Photo of Plaintiff's greenhouse showing smoke-stack taken

1905

EXHIBIT No. 197

Members F.T.D.A.  
Allied Florests, Inc.

Phone 763

W. W. WALKER & SONS  
GROWER FLORISTS  
St. Catharines, Ont.

Orchids a Specialty  
We Grow Them

Flower Shop  
156 St. Paul St.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 197  
Comparative  
statement of  
Plaintiff's  
greenhouse  
sales before  
and after  
strike  
period at  
Defendant's  
Plant*

10

COMPARISON OF SALES FROM PRODUCTION BEFORE  
AND AFTER McKINNON STRIKE  
JULY AND AUGUST

	(1947)		(1948)
JULY	\$150.70	JULY	\$254.45
AUGUST	107.50	AUGUST	331.20
	<hr/>		<hr/>
	\$258.20		\$585.65

1906

EXHIBIT No. 198

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 198  
Memo of  
gross sales  
greenhouse  
and store  
1943, 1944  
and 1948*

Members F.T.D.A.  
Allied Florests, Inc.

Phone 763

**W. W. WALKER & SONS**  
GROWER FLORISTS  
St. Catharines, Ont.

Orchids a Specialty  
We Grow Them

Flower Shop  
156 St. Paul St.

**Gross Sales**

**Greenhouses and Store**

**1943**  
\$47,734.45

**1944**  
\$52,197.11

**1948**  
\$58,006.67

1907

EXHIBIT No. 199

Members F.T.D.A.  
Allied Florists, Inc.

Phone 763

W. W. WALKER & SONS  
GROWER FLORISTS  
St. Catharines, Ont.

Orchids a Specialty  
We Grow Them

Flower Shop  
156 St. Paul St.

*In the  
Supreme  
Court of  
Ontario  
Plaintiff's  
Exhibit  
No. 199  
Financial  
statement re:  
Plaintiff's  
greenhouse  
Nov., 1947*

1947 FINANCIAL STATEMENT GREENHOUSES

10	Sales Greenhouse to store for year.....	\$ 9,023.20
	Sales to other florists, growers.....	2,832.48
		\$ 11,855.68
	Total Greenhouse Sales .....	\$ 11,855.68
	Inventory of Stock Dec. 31, 1946.....	\$ 23,095.70
	Purchases charged greenhouses.....	2,861.15
	Coal (Weaver Coal Co.).....	2,071.38
		\$ 28,028.23
	Less Inventory, Dec. 31, 1947.....	\$ 25,913.20
		\$ 2,115.03
		\$ 9,740.65
20	LOSS	
	Less wages greenhouse employees.....	\$ 9,761.76
	Half W.W.W. (wages) charged greenhouse .....	1,560.00
	Miscellaneous, including taxes.....	854.26
	Freight, Sales Taxes, Duty.....	1,384.31
	Telephone, lighting .....	115.57
	Half Delivery Costs (greenhouse truck).....	603.12
	Depreciation new truck (greenhouse).....	280.00
		\$ 14,559.02
		LOSS.....\$ 4,818.37
30	GROSS SALES YEAR—	
	Store and Greenhouses—\$60,577.44.	





*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 200 (a)  
Photo show-  
ing water-  
wash system  
in operation  
in  
Defendant's  
cupola  
9th May,  
1949*

EXHIBIT No. 200A

Photo taken May 9, 1949, showing water wash system in operation in cupola at Defendant's Plant.



*In the  
Supreme  
Court of  
Ontario  
Defendant's  
Exhibit  
No. 200 (b)  
Photo show-  
ing water-  
wash system  
in operation  
in  
Defendant's  
cupola  
9th May,  
1949*

EXHIBIT No. 200B

Photo taken May 9, 1949, showing water wash system in operation in cupola at Defendant's Plant.