
Appendix A.3

Certificate of Approval (Sewage) No. 3-1720-90-916 (Leachate Treatment and Disposal by Spray Irrigation)



RECEIVED SEP 11 1991

APPROVALS BRANCH

250 Davisville Avenue
Toronto, Ontario
M4S 1H2

250, avenue Davisville
Toronto (Ontario)
M4S 1H2

September 4, 1991

Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057, Station A
Burlington, Ontario
L6R 3Y8

Attn: Mr. J.R. Marsh
Regional Landfill Manager

Dear Mr. Marsh:

Re: Richmond Township Landfill
Certificate of Approval (Sewage) 3-1720-90-916

Please find enclosed the above noted Certificate of Approval for leachate treatment and disposal works on Laidlaw's Richmond Township site.

This Certificate has been issued to your company subject to the terms and conditions outlined therein. The reasons for the conditions are outlined in the accompanying Notice.

There is a need for a comprehensive monitoring program to assess the effects of the spray irrigation program. This is addressed in Condition 7. Under Condition 9 reporting of the monitoring results is to be done in conjunction with the landfill site annual report.

Until the monitoring program has been approved and the background soil samples taken, only a portion of the proposed irrigation area is allowed, under Condition 8, to be used. This is to ensure that representative background samples are obtained.

Please note that Certificate of Approval No. 3-1720-90-916 constitutes the authority to construct the sewage works as required by Section 24, Ontario Water Resources Act. However, as the spray irrigation system may emit a contaminant to the air, an approval under Section 8, Environmental Protection Act is also required. Construction of the spray irrigation system should not begin until this additional approval is obtained.

Should you have any questions regarding the requirements of Certificate of Approval (Sewage) No. 3-1720-90-916, please contact Mr. J. Connelly of this office at (416) 440-3567.

Yours truly,

D.J. Andrijew, Supervisor
Waste Sites & Systems Approvals Unit
Industrial Approvals Section

Encl.
JC/ec

cc: B.R. Ward - Director, S.E. Region
J.D. Bishop - District Officer, Kingston District Office



Ontario

Ministry
of the
Environment

Ministère
de
l'Environnement

**Certificate of Approval (Sewage)
Certificat d'autorisation (eaux usées)**

Number / Numéro 3-1720-90-916

Whereas / Attendu que LAIDLAW WASTE SYSTEMS (RICHMOND) LTD.

of / d

BURLINGTON, ONTARIO

has applied in accordance with Section 24 of the Ontario Water Resources Act for approval of:

a fait, conformément à l'article 24 de la loi sur les ressources en eau de l'Ontario, une demande d'autorisation:

a leachate pipe collection system, leachate pumping station, leachate forcemain, leachate treatment lagoon, spray pumping station and spray distribution system; all in accordance with the items listed in Schedule "A" attached and subject to the following conditions:

1. For the purpose of this Certificate of Approval:
 - a) "Company" means Laidlaw Waste Systems (Richmond) Ltd., its successors or assignees;
 - b) "Director" means the Director of Approvals Branch, Ministry of the Environment.
2. The Company shall establish and maintain a buffer zone of 150 meters from the wastewater treatment works and effluent spray irrigation system to the nearest residence and a buffer zone of 100 meters from the effluent spray irrigation system to the nearest water course.
3. Spray irrigation shall be carried out in a manner to ensure that spray runoff to any area water course or ponding of spray irrigated effluent will not occur at any time.
4. When wind speeds exceed 15 km/hr during spray irrigation operations, the Company shall assess the potential for the spray to cause adverse impacts on water courses or on neighbouring properties and shall implement any necessary modifications to site operations to ensure that adverse impacts do not occur. Spray irrigation operation shall be terminated when wind speeds exceed 30 km/hr.

.../2

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 24 of the Ontario Water Resources Act.

Le présent document certifie qu'après vérification en bonne et due forme la construction dudit projet d'ouvrages a été approuvée aux termes de l'article 24 de la loi sur les ressources en eau de l'Ontario.

DATED AT TORONTO this
DATÉ À TORONTO ce

4th

day of
jour d

September, 1991

JC/ec

0731 02/90


.....
Director / Directeur



5. The Company shall provide and maintain a fence around the entire land area which will be spray irrigated with leachate.
6. The perimeter fences and gates shall be provided with appropriate signs designating the nature of the facility and prohibiting trespassing.
7. Within 120 days of the date of issuance of this Certificate of Approval, the Company shall submit to the Director, for approval, a detailed program for monitoring the effects of the leachate application. This program shall include but not be limited to the following:
 - a) initial pre-irrigation analysis of soil properties and subsequent regular analyses
 - b) monitoring of shallow groundwater flow within and adjacent to the spray irrigation area including background monitoring
 - c) sampling of nearby surface water flow including storm events
 - d) weather conditions
 - e) spatial variability of application rates over the application area
 - f) rates and daily quantities of leachate application
 - g) chemical characteristics of the spray irrigation effluent
 - h) air quality during spray irrigation events; and
 - i) effects of the effluent on the vegetation.
8. Until the monitoring program required under Condition 7 above is approved and the initial soil samples required under Condition 7a) above are taken, application of effluent may only be made onto 6 of the 9 spray areas.
9. Results of all monitoring undertaken in accordance with Condition 7 above shall be reported in any annual report required to be submitted to the Ministry under Provisional Certificate of Approval (Waste Disposal Site) No. A 371203 dated March 30, 1988 or its successors.



Ontario

Ministry of the Environment
Ministère de l'Environnement

Notice Avis

TO: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057, Station A
Burlington, Ontario
L6R 3Y8

You are hereby notified that Certificate of Approval (Sewage) No. 3-1720-90-916 has been issued to you subject to the conditions outlined therein.

The reasons for the imposition of these conditions are as follows:

1. The reason for Condition 1 is to simplify the wording of subsequent conditions and define the specific meaning of terms used in this Certificate.
2. The reason for Conditions 2, 3, 4, 5 and 6 is to ensure that adverse effects of spray irrigation do not occur off-site, that access to the site is restricted and that surface water bodies are not contaminated by the spray. Otherwise the spray irrigation may create a nuisance, may be a threat to the health and safety of any person or may cause harm to the environment which would not be in the public interest.
3. The reason for Conditions 7, 8 and 9 is to ensure that comprehensive monitoring of this leachate disposal program is undertaken and reported to the Ministry. Spray irrigation without this monitoring and reporting may result in a nuisance, a danger to the health and safety of any person, or harm to the environment which would not be in the public interest.

You may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 63 of the Ontario Water Resources Act, R.S.O. 1980, C. 361, as amended, provides that the Notice requiring the hearing shall state the portions of each term or condition in the approval in respect of which the hearing is required and the grounds on which you intend to rely at the hearing.

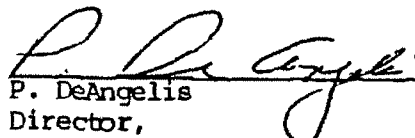
This Notice should be served upon:

The Secretary,
Environmental Appeal Board,
112 St. Clair Ave. West,
5th Floor,
Toronto, Ontario
M4V 1N3

AND

The Director,
Section 24, O.W.R. Act,
Ministry of the Environment,
250 Davisville Avenue
Toronto, Ontario
M4S 1H2

DATED at Toronto this 4th day of September, 1991.


P. DeAngelis
Director,
Section 24, O.W.R. Act,
Ministry of the Environment

SCHEDULE "A"

This Schedule "A" forms part of Certificate of Approval (Sewage) No. 3-1720-90-916 dated September 4, 1991.

1. Report entitled "Final Design Report" prepared by Henderson, Paddon and Associates Ltd., dated September 1988 and accompanying drawings.
2. Application for the approval of a sewage works dated August 30, 1991 signed by Mr. R.J. Poland.
3. Letter dated September 12, 1990 from Mr. J.R. Bray, P.Eng. to Tricil Limited (c/o Laidlaw Waste Systems Ltd.).

Appendix A.3.1

Amendment to Certificate of Approval
No. 3-1720-910-916 dated July 23, 1993
– Notification of Compliance with
Condition 7



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and Energy

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et de l'Énergie

NOTICE
Page 1 of 2

NOTICE OF AMENDMENT

the Applicant: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057, Station A
Burlington, Ontario
L7R 3Y8

The Applicant is hereby notified that the approval issued under Certificate of Approval No. 3-1720-90-916, dated September 4, 1991, for the construction of a landfill leachate collection, treatment and disposal system at the Laidlaw Landfill located in part of Lots 1, 2, and 3, Concession 4 in the Township of Richmond is hereby amended to indicate compliance with Condition No. 7 of the Certificate as specified below.

In accordance with the requirements of said Condition, you have submitted the following documents:

- A report entitled "LAIDLAW WASTE SYSTEM (RICHMOND) LTD. RICHMOND LANDFILL. Certificate of Approval (Sewage) No. 31720-90-916. Condition No. 7. December 1991." prepared by Henderson, Paddon & Associates Limited.
- Letter to the Approvals Branch of the Ministry from Laidlaw Waste Systems Ltd., dated July 19, 1993.

The proposed program for monitoring of the effects of leachate application, as outlined in the above documents, has now been reviewed and found acceptable.

Therefore, this notice will serve to indicate that Condition No. 7 of the Certificate has now been complied with.

This Notice shall constitute part of the approval issued under Certificate of Approval No. 3-1720-90-916 dated September 4, 1991.

The Applicant may by written notice served upon me and the Environmental Appeal Board within 5 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter O.40, provides that the Notice requiring the hearing shall state:

The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;

The grounds on which the Applicant intends to rely at the hearing in relation to each portion appealed.



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et de l'Énergie

The Notice should also include:

- . The name of the appellant;
- . The address of the appellant;
- . The Certificate of Approval number;
- . The date of the Certificate of Approval;
- . The name of the Director;
- . The municipality within which the sewage works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

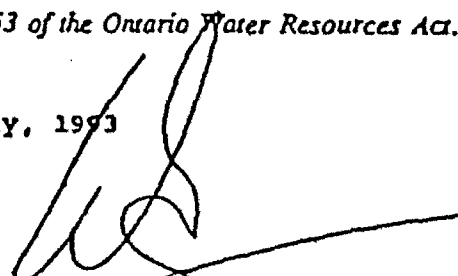
The Secretary,
Environmental Appeal Board,
12 St. Clair Avenue West,
Suite 502,
Toronto, Ontario.
M4V 1N3

AND

The Director,
Section 53, Ontario Water Resources Act,
Ministry of Environment and Energy,
250 Davisville Avenue, 3rd Floor,
Toronto, Ontario.
M4S 1H2

As above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

FILED AT TORONTO this 23rd day of July, 1993



W. Gregson, P. Eng.
Director
Section 53
Ontario Water Resources Act

cc: -M. Walters, General Manager, Ontario Landfill Division
: -Mr. J. Bishop, MOEE, Kingston District Officer

/fn

Appendix A.3.2

Revocation of Certificate of Approval No.
3-1720-90-916, dated April 14, 2011

**REVOCACTION OF CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS**

Issue Date: April 14, 2011

Waste Management of Canada Corporation
117 Wentworth Crt
Brampton, Ontario
L6T 5L4

Site Location: Richmond Landfill Site
Lot Pt 1, 2, 3, Concession 4
Town of Greater Napanee, County of Lennox and Addington
K7R 3L1

I hereby give notice that, under Section 53(4)(e) of the Ontario Water Resources Act, I have revoked Certificate of Approval No. 3-1720-90-916 issued on September 4, 1991 for a leachate pipe collection system, leachate pumping station, leachate forcemain, leachate treatment lagoon, spray pumping station and spray distribution system.

The reasons for the revocation of the Certificate of Approval are as follows:

1. The approved leachate spray pumping station and spray distribution system were never constructed and they are no longer required.
2. The approved leachate pipe collection system, leachate pumping station, leachate forcemain, and leachate treatment lagoon have been constructed and they have been approved under Certificate of Approval No. 5268-7E8LJW issued on August 19, 2008 for Richmond Landfill Site.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may have a right of appeal by serving a written notice upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The grounds on which you intend to rely at the hearing considering your appeal.

The Notice should also include:

2. The name of the appellant;
3. The address of the appellant;

4. The Certificate of Approval number;
5. The date of the Certificate of Approval;
6. The name of the Director;
7. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

DATED AT TORONTO this 14th day of April, 2011



Ian Parrott, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

SH/

c: District Manager, MOE Kingston - District
Katrina DiRenzo-McGrath, Waste Management of Canada Corporation