



Province of
British Columbia
Ministry of
Environment,
Lands and Parks

BC
Environment

Southern Interior Region
1259 Dalhousie Drive
Kamloops
British Columbia
V2C 5Z5
Telephone (604) 371-6200

File: PR-5910

December 15, 1995

Valleyview Enterprises Ltd.
248 Second Avenue
Kamloops, British Columbia
V2C 2C9

Dear Permittee:

The Permit No. PR-5910 dated December 15, 1995 has been amended in accordance with discussions at the meeting of yourself and Regional Environmental Protection staff on October 2, 1995, and subsequent telephone conversations. This Permit amendment was carried out in order to remove the specific requirements which lead to your appeal initiated in writing on October 29, 1992. The Permit amendment has also incorporated the requirements of the Landfill Criteria for Municipal Solid Waste (1993).

We request that you cancel your appeal of the Permit No. PR-5910 dated October 8, 1992, by writing to the Director of Waste Management, 777 Broughton Street, Victoria, British Columbia, V8V 1X4. You will retain the right to appeal the most recent amendment of the subject Permit within 21 days of the date of issuance.

Please contact Don May at 371-6200 if you have any questions in this regard.

Yours truly,

D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager
Southern Interior Region
Thompson-Nicola Subregion

cc. Director of Waste Management



Province of
British Columbia
Ministry of
Environment
Lands and Parks

BC
Environment

Southern Interior Region
1259 Dalhousie Drive
Kamloops
British Columbia
V2C 5Z5
Telephone: (604) 371-6200

December 15, 1995

File: PR-5910

DOUBLE REGISTERED

Valleyview Enterprises Ltd.
248 Second Avenue
Kamloops, British Columbia
V2C 2C9

Dear Permittee:

Enclosed is the amended Permit No. PR-5910 issued under the provisions of the Waste Management Act in the name of Valleyview Enterprises Ltd. Your attention is respectfully directed to the conditions outlined in the Permit. An annual fee for Permit No. PR-5910 will be determined in accordance with the Waste Management Permit Fees Regulation.

This Permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the Permittee.

The Permittee shall ensure that any discharge under this Permit meets the requirements of other regulatory agencies.

This Permit may be appealed by persons who consider themselves aggrieved by this decision in accordance with Part 5 of the Waste Management Act. Written notice of intent to appeal must be received by the Regional Waste Manager within twenty-one (21) days of the date of this Permit amendment.

The administration of this Permit will be carried out by staff from the Regional office located at 1259 Dalhousie Drive, Kamloops, British Columbia V2C 5Z5 (604 371 6200). Plans, data and reports pertinent to the Permit are to be submitted to the Regional Waste Manager at this address.

Yours truly,

D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager
Southern Interior Region
Thompson-Nicola Subregion

enclosure

PROVINCE OF
BRITISH COLUMBIA



Environmental Protection
1259 Dalhousie Drive
Kamloops
British Columbia
V2C 5Z5
Telephone: (604) 371-6200

MINISTRY OF ENVIRONMENT,
LANDS AND PARKS

**PERMIT
PR-5910**

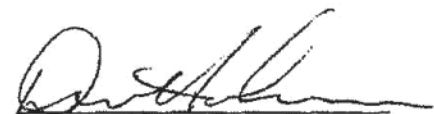
Under the Provisions of the Waste Management Act

VALLEYVIEW ENTERPRISES LTD.

is authorized to discharge municipal solid waste to a landfill located in Kamloops, British Columbia, subject to the conditions listed herein. Contravention of any of these conditions is a violation of the Waste Management Act and may result in prosecution.

This Permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown Lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the Permittee.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 1 of 11



D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

1. AUTHORIZED DISCHARGES

The authorized total rate of discharge per year is 11 500 cubic metres of compacted in-situ solid waste.

1.1 Commercial Solid Waste Disposal to Land

This subsection applies to the discharge of commercial waste.

1.1.1 The characteristics of the discharged waste shall be municipal solid waste from commercial and light industrial activities and other wastes as approved by the Regional Waste Manager.

1.1.2 The discharge of putrescible wastes is prohibited, subject to the following:

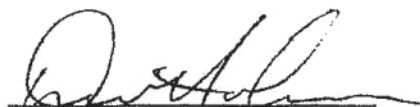
"The definition of putrescible wastes in relationship to this permit shall be household and food waste, or material of that nature, which rots quickly when exposed to air, smells and attracts vectors. ... In view of the fact that putrescible wastes in small amounts are very difficult to control, even with the best intentions of (the Permittee), the provision for daily coverage of waste is necessary." (Environmental Appeal Board Decision dated April 15, 1982)

1.1.3 Special wastes as defined in the Special Waste Regulation under the Waste Management Act (B.C. Reg. 63/88, O.C. 268/88) shall not be discharged unless specifically approved in writing by the Regional Waste Manager. The disposal of waste asbestos in compliance with the requirements of the Special Waste Regulation under the Waste Management Act (B.C. Reg. 63/88, O.C. 268/88) is hereby authorized.

1.1.4 The discharged waste shall originate from within the boundaries of the Thompson-Nicola Regional District.

1.1.5 The authorized works are a sanitary landfill and related appurtenances located approximately as shown on the attached Site Plan A.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent)
Page: 2 of 11
December 15, 1995


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

1.2 Demolition, Landclearing and Construction Solid Waste Disposal to Land


This subsection applies to the discharge of demolition, landclearing and construction debris.

- 1.2.1 The characteristics of the discharged waste shall be inert solid waste from demolition, land clearing or construction activities and the residue from the recycling of such wastes.
- 1.2.2 Special wastes as defined in the Special Waste Regulation under the Waste Management Act (B.C. Reg. 63/88, O.C. 268/88) shall not be discharged unless specifically approved in writing by the Regional Waste Manager.
- 1.2.3 The discharged waste shall originate from within the boundaries of the Thompson-Nicola Regional District. Residue from waste recycling operations carried out within the Thompson-Nicola Regional District is considered to be waste originating from within the Thompson-Nicola Regional District, regardless of the source of the waste used in the recycling process.

2. AUTHORIZED WORKS AND POINT OF DISCHARGE

- 2.1 The authorized works are a municipal solid waste landfill and related appurtenances approximately located as shown on the attached Site Plan A.
- 2.2 The point of discharge is restricted to a 37.33 hectare portion of the Southeast Quarter of Section 3, Township 20, Range 17, Plan B5102, Kamloops Division of Yale District, West of the Sixth Meridian.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 3 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

3. OPERATIONAL REQUIREMENTS

3.1 Requirements for Commercial Solid Waste Disposal to Land

- 3.1.1** The Permittee shall maintain a separate area for the disposal of commercial solid waste. This area shall be operated to meet the requirements of a sanitary landfill as defined in the Landfill Criteria for Municipal Solid Waste (1993).
- 3.1.2** The Permittee shall ensure that commercial solid waste is not disposed of in the demolition, landclearing and construction waste landfill area.
- 3.1.3** The Permittee shall compact the commercial solid wastes and apply cover material acceptable to the Regional Waste Manager at the end of each day of operation as specified in Section 3.3.3.

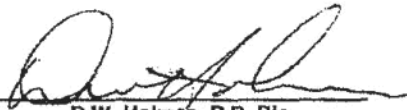
3.2 Requirements for Demolition, Landclearing and Construction Solid Waste Disposal to Land

- 3.2.1** The Permittee shall maintain a separate area for the disposal of demolition, landclearing and construction debris and the residue from the recycling of such wastes. This area shall be operated to meet the requirements of a selected waste landfill as defined in the Landfill Criteria for Municipal Solid Waste (1993).
- 3.2.2** The Permittee shall compact the demolition, landclearing and construction solid wastes and apply cover material acceptable to the Regional Waste Manager no less than once every 5 (five) days of operation as specified in Section 3.3.3.

3.3 General Requirements for all Solid Waste Disposal to Land

- 3.3.1** The Permittee shall maintain landfill supervision suitable to the Regional Waste Manager. The Permittee shall train all landfill supervisors in landfill operation pertaining to the conditions of this Permit.
- 3.3.2** Wastes shall be spread in thin layers of 60 centimetres, or less, on the working face and compacted. The Permittee shall minimize the area of the working face as much as possible.

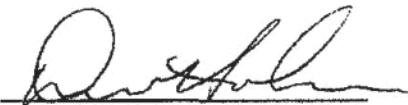
Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 4 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

- 3.3.3 A compacted layer of at least 15 centimetres of suitable soils, or a functionally equivalent depth of other cover material acceptable to the Regional Waste Manager, shall be placed on all exposed compacted waste. The waste shall be placed and compacted in lifts such that the maximum density is obtained uniformly throughout the compacted waste. Equipment used to compact the waste shall be of sufficient ground pressure to reduce the waste to its smallest practical volume.
- 3.3.4 The Permittee shall apply an intermediate cover of at least 30 centimetres of compacted soils, or a functionally equivalent depth of other cover material acceptable to the Regional Waste Manager, on any areas of the landfill site to which waste will not be discharged for a period of 30 days or more.
- 3.3.5 The Permittee shall install final cover within 90 days of landfill closure. Completed portions of the landfill shall progressively receive final cover during the active life of the landfill. Final cover shall consist of at least 1 metre of low permeability compacted mineral soil, overlain by at least 15 centimetres of topsoil capable of supporting indigenous vegetation. With the written approval of the Regional Waste Manager, the topsoil used for this final covering may be mixed with conditioning agents such as sludge (biosolids), compost and the like to add organics and improve the moisture holding capacity and nutrient value of the soil. Final cover shall be sloped to between 4% and 33% with appropriate drainage and erosion controls, and seeded with suitable grasses.
- 3.3.6 The Regional Waste Manager may vary the frequency of covering when freezing conditions adversely affect normal operation.
- 3.3.7 Discharge of waste into water is prohibited. The Permittee shall install surface water diversions to prevent water run-off from entering the waste discharge area.
- 3.3.8 The Permittee shall control litter and wind strewn waste by minimizing the working face area, instituting a regular litter pick up, general good site maintenance practices or any other measures required by the Regional Waste Manager.
- 3.3.9 The Permittee shall control dust and odour created within the landfill property using methods and materials acceptable to the Regional Waste Manager.
- 3.3.10 The Permittee shall control access to the site. All access points shall have locking gates and shall be locked during non-operating hours to prevent unauthorized access.


Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 5 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

- 3.3.11 Public scavenging and salvaging of waste at the landfill site is prohibited.
- 3.3.12 The Permittee shall post the entrance to the landfill site with the following current information:
- (1) site name
 - (2) hours of operation
 - (3) owner and operator name(s)
 - (4) contact phone number and address
 - (5) emergency phone number
 - (6) materials/wastes accepted for landfill and recycling
 - (7) materials/wastes banned from site
- 3.3.13 The Permittee shall construct and maintain throughout the operating life of the landfill an access road and a road system within the landfill site capable of supporting all vehicles.
- 3.3.14 The Permittee shall reserve a 15 metre buffer zone at all property boundaries. Landscaped or natural screening such as vegetation or an earthen berm shall be provided and maintained as required by the Regional Waste Manager. The intention of screening is to minimize the visual exposure of the active waste discharge areas.
- 3.3.15 The Permittee shall maintain a fire break of at least 4 metres width immediately at the periphery of the active waste discharge areas. The fire break shall be cleared to mineral soil and be maintained free of all vegetative growth and other combustible materials.
- 3.3.16 Open burning of waste is prohibited.
- 3.3.17 The Permittee shall maintain adequate on-site fire fighting systems to extinguish accidental fires, and to prevent fires from spreading to surrounding areas. The Permittee shall immediately extinguish accidental fires and notify the Regional Waste Manager.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 6 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

3.3.18 The Permittee shall submit to the Regional Waste Manager for written approval an Operating Plan by February 28, 1996. The Operating Plan shall be prepared by a Professional Engineer or Geoscientist knowledgeable in landfill design and operation, and licensed to practice in British Columbia.

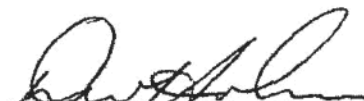
The Operating Plan shall meet all the requirements of this Permit, and the Landfill Criteria for Municipal Solid Waste (1993) and shall include any information relevant to the development, operation and maintenance of the subject site, including at least the following:

- (1) location and extent of area to be landfilled
- (2) anticipated total volume of waste to be landfilled
- (3) estimated site life
- (4) environmental impact assessment and monitoring program
- (5) operational procedures including but not limited to the method of placement, compaction and covering of wastes, type of equipment to be used and operator/attendant training procedures
- (6) bear and vector control measures
- (7) design and construction of surface water diversion works
- (8) design and construction of works to mitigate potential impact on local groundwater resources
- (9) construction techniques required to ensure long term stability
- (10) availability of suitable material for both intermediate and final cover, soil types to be classified as to type and permeability.
- (11) methods of ensuring an aesthetically acceptable operation
- (12) fencing requirements
- (13) road construction
- (14) detailed site map with relative elevation contours
- (15) fire fighting contingency procedures

The Permittee shall implement all the specifications of the approved Operating Plan and all conditions which may be attached to that plan by the Regional Waste Manager as a condition of approval.

In the interim, no wastes shall be discharged outside the stage 1 and stage 2 landfill footprint as shown on the attached Site Plan A.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 7 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

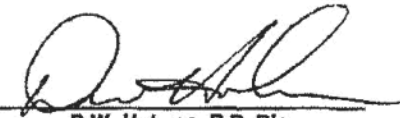
3.3.19 The Permittee shall submit a Closure Plan for the approval of the Regional Waste Manager by February 28, 1996. The Closure Plan shall include any information relevant to the closure and post-closure care of the subject site and shall specify at least the following:

- (1) anticipated closure date and total estimated discharged waste volume in cubic metres
- (2) a site plan showing the location of discharged wastes, approximate final elevation contours of the landfill and surface water diversion and drainage works
- (3) design of the final cover including the thickness, type and permeability of barrier layers and drainage layers, and information on topsoil, vegetative cover and erosion prevention controls
- (4) post-closure care of the site including; maintenance of vegetative cover and erosion prevention controls, surface water diversion and drainage works and any required monitoring of ground water, surface water, landfill gas and settlement for a minimum post-closure period of 25 years
- (5) long term operation of any required pollution abatement engineering works such as leachate collection and treatment systems or landfill gas collection, storage and treatment systems for a minimum post-closure period of 25 years
- (6) rodent and nuisance wildlife control procedures
- (7) fire fighting contingency procedures
- (8) proposed land use following closure

3.3.20 A landfill is a public safety concern due to the potential attraction of bears and vectors to the site. The Permittee shall operate the landfill so as to minimize the attraction of wildlife such as bears, birds and the like by applying adequate cover as required. The Permittee shall install additional control works or abide by other operating instructions as specified by the Regional Waste Manager if such problems arise.

3.3.21 The Permittee shall inspect and maintain the landfill works regularly. In the event of an emergency or any condition which prevents continuing operation of the approved method of landfill operation and control, or results in noncompliance with the terms and conditions of this permit, the Permittee shall immediately notify the Regional Waste Manager and take appropriate remedial action.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 8 of 11


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

3.3.22 The Regional Waste Manager may require future upgrading of the landfill control works to protect the environment during the operating life of the landfill and for a minimum post-closure period of 25 years.

3.3.23 Upon closure the boundaries of the landfilled area shall be legally surveyed. A covenant that the property was used for the purpose of waste disposal shall be registered by the Permittee against the land title as provided for under Section 215.1 of the Land Title Act.

4. MONITORING AND REPORTING REQUIREMENTS

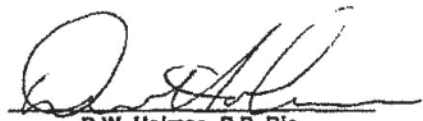
4.1 Receiving Environment Monitoring

Monitoring of ground and surface water, subsurface gases and ambient air quality and other environmental media such as vegetation and soils may be required by the Regional Waste Manager as the site-specific situation warrants.

4.2 Reporting

The Permittee shall submit an annual report by January 31 of each year starting in 1997. The annual report shall include an estimate of the cubic metres of compacted in-situ solid waste landfilled in the preceding calendar year, along with documentation of the method used to quantify the volume of waste discharged. The annual report shall review and interpret monitoring data for the preceding calendar year, identify any proposed changes from the approved Operating and Closure Plans, and review the remaining site capacity.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent)
Page: 9 of 11
December 15, 1995


D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

5. POST CLOSURE SECURITY REQUIREMENTS

A trust fund agreement for the purposes of post closure monitoring and maintenance of the landfill site shall be submitted by February 28, 1996 for the written approval of the Regional Waste Manager. The trust fund shall be administered by a third party suitable to the Regional Waste Manager on behalf of the Permittee. The Permittee shall pay into this trust fund by February 28 of each year starting in 1997, a sum of money equal to \$0.50 per cubic metre of discharged waste for the volume of waste discharged in the previous calendar year. The volume of waste shall be based on the value reported in the annual report required under Section 4.2.

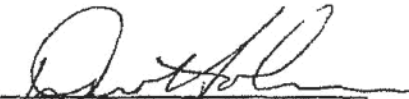
A financial statement of the trust fund shall be submitted annually for the review of the Regional Waste Manager. The financial statement shall report at least the accrued capital, interest, and additions to the fund for the previous year.

The trust fund shall remain in force for at least 10 (ten) years after closure of the subject landfill site. Thereafter, the need for the trust fund shall be reviewed by the Regional Waste Manager once every 5 (five) years. The Regional Waste Manager shall have the sole authority to:

- (1) access and direct the use of monies from the trust fund for post closure maintenance and repair of the landfill site, and for environmental monitoring and control systems which may be required by the Regional Waste Manager to protect the environment,
- (2) reduce the size of the trust fund or eliminate the fund if such action is warranted in the opinion of the Regional Waste Manager.

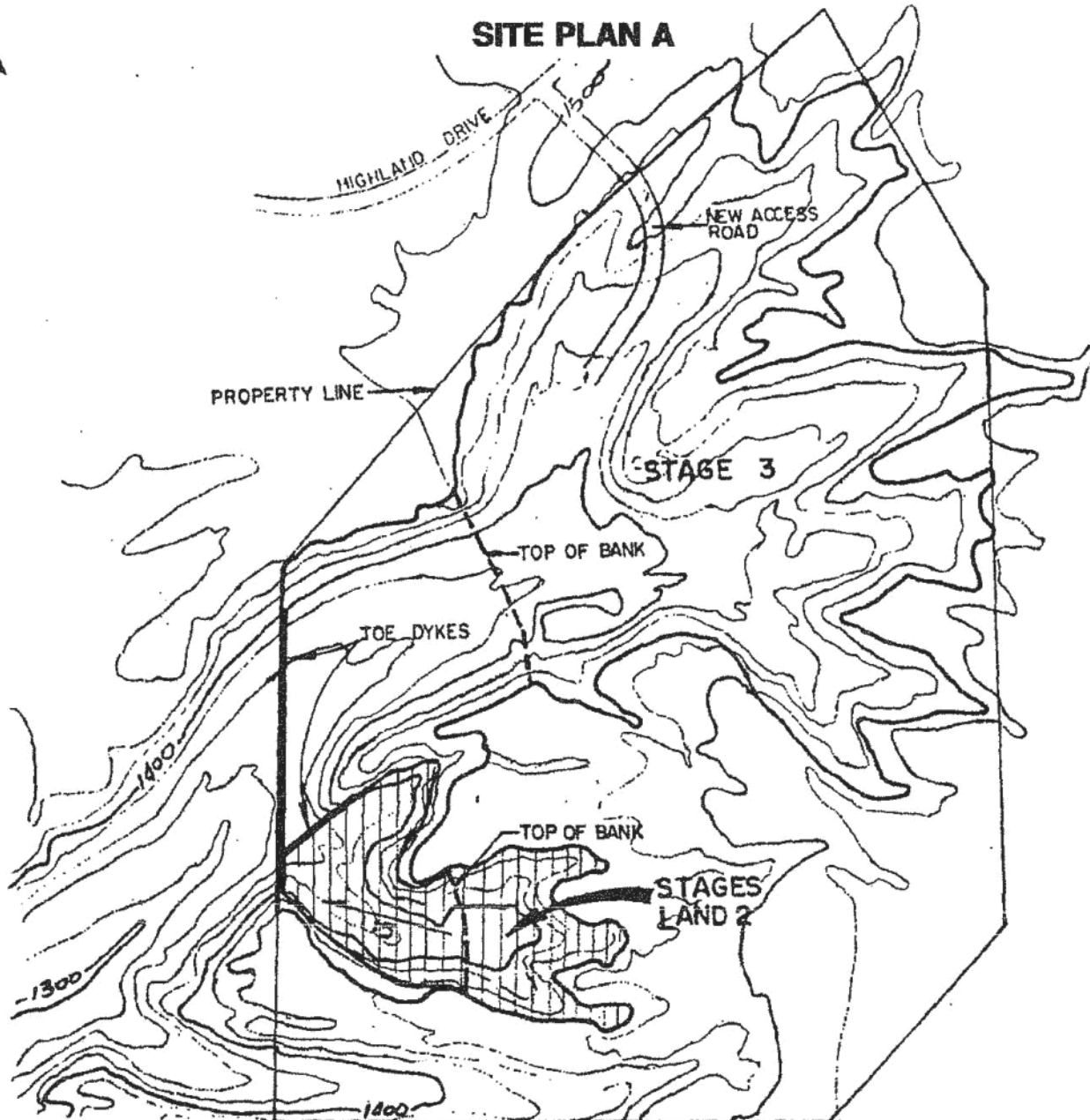
In the event the trust fund is reduced or eliminated, these funds shall be released to the Permittee.

Date Issued: August 27, 1981
Amendment Dates: June 20, 1990
October 8, 1992
(most recent) December 15, 1995
Page: 10 of 11

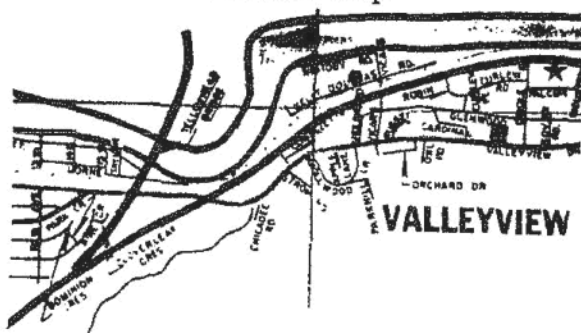

D.W. Holmes, R.P. Bio.
Assistant Regional Waste Manager

PERMIT NO. : PR-5910

SITE PLAN A



Location Map



Scale: 1 cm = 50 m Approximately

Permit No.: PR 5910

Date: December 15, 1995

Assistant Regional Waste Manager