

### GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Environment and Climate Change

## CERTIFICATE OF APPROVAL

Pursuant to the Environmental Protection Act, SNL 2002 c E-14.2 Section 83

Issue Date: April 28, 2022

Approval No. AA22-045667

Expiration: April 28, 2027

File No. 745.143.1

Proponent:

**NARL Logistics Limited Partnership** 

P.O. Box 40, 1 Refinery Road, Come By Chance, Newfoundland

A0B 1N0

Attention:

Mr. Jamie Beach, Chief Executive Officer

Re:

Fuel and Feedstock Storage and Handling Facility

Approval is hereby given for the operation of NARL Logistics Limited Partnership's fuel and feedstock storage and handling facility near Come By Chance, Newfoundland and Labrador.

This Certificate of Approval does not release the proponent from the obligation to obtain appropriate Approvals from other concerned provincial, federal and municipal agencies. Nothing in this Certificate of Approval negates any regulatory requirement placed on the proponent. Where there is a conflict between conditions in this Certificate of Approval and a regulation, the condition in the regulation shall take precedence. Approval from the Department of Environment and Climate Change shall be obtained prior to any significant change in the design, construction, installation, or operation of the fuel and feedstock storage and handling facility, including any future expansion of the fuel and feedstock storage and handling facility. This Certificate of Approval shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the proponent without obtaining prior Approval from the Minister.

This Certificate of Approval is subject to the terms and conditions as contained therein, as may be revised from time to time by the Department. Failure to comply with any of the terms and conditions may render this Certificate of Approval null and void, may require the proponent to cease all activities associated with this Certificate of Approval, may place the proponent and its agent(s) in violation of the *Environmental Protection Act*, and will make the proponent responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete or modify conditions to correct errors in the Certificate of Approval or to address significant environmental or health concerns.

For MINISTER

#### TERMS AND CONDITIONS FOR APPROVAL No. AA22-045667 April 28, 2022

#### General

1. This Certificate of Approval is for the operation of a fuel and feedstock storage and handling facility including the storage tanks as outlined in Table 1, located at Come By Chance, Newfoundland and Labrador, as per plans and specifications supplied by NARL Logistics Limited Partnership for this Certificate of Approval. Extensive future expansion or change of activities will require a separate Certificate of Approval.

Tank 342	Tank 101	Tank 518	Tank 629
Tank 410	Tank 102	Tank 520	Tank 630
Tank 411	Tank 103	Tank 521	Tank 631
Tank 412	Tank 104	Tank 522	Tank 632
Tank 413	Tank 105	Tank 523	Tank 747
Tank 414	Tank 106	Tank 524	Tank 748
Tank 415	Tank 107	Tank 525	Tank 901
Tank 416		Tank 526	Tank 949
Tank 417		Tank 527	
Tank 418		Tank 528	

- 2. Any inquiries concerning this Approval shall be directed to the St. John's office of the Pollution Prevention Division (telephone: (709) 729-2556; or facsimile: (709) 729-6969).
- 3. In this Certificate of Approval:
  - accredited means the formal recognition of the competence of a laboratory to carry out specific functions;
  - Department means the Department of Environment and Climate Change and its successors;
  - DGSNL means Digital Government and Service NL and its successors;
  - EDMS means Environmental Data Management System;
  - **feedstock** means canola oil, soy oil, corn oil, rapeseed oil, palm oil, used cooking oil or processed tallow;
  - hazardous waste means a product, substance or organism that is intended for disposal or recycling, including storage prior to disposal or recycling, and that:
    - (a) is listed in Schedule III of the Export and Import of Hazardous Waste Regulations under the Canadian Environmental Protection Act, 1999;
    - (b) is included in any of Classes 2 to 6, and 8 and 9 of the Transportation of Dangerous Goods Regulations under the Transportation of

- Dangerous Goods Act, 1992; or
- (c) exhibits a hazard classification of a gas, a flammable liquid, an oxidizer, or a substance that is dangerously reactive, toxic, infectious, corrosive or environmentally hazardous;
- leak or leakage means any discharge of gasoline or associated product from a storage tank system, pipeline, tank vessel, tank car or tank vehicle, other than through the usual function for which the storage tank system, pipeline, tank vessel, tank car or tank vehicle was designed;
- licensed means has a Certificate of Approval issued by the Minister to conduct an activity;
- **liquid waste** is defined by the *Slump Test* (Canadian Standards Association test method A23.2-5C for determining the slump of concrete). The liquid waste slump test involves placing the waste in a 30 cm open inverted cone. The cone is removed and the immediate decrease (slump) in height of the waste material is measured. If the material slumps such that the original height is reduced by 15 cm or more, the waste is considered liquid;
- malfunction means any sudden, infrequent and not reasonably preventable failure of air pollution control equipment or a process to operate in a normal or usual manner. Failures caused in part by poor maintenance or careless operation are not malfunctions;
- Minister means the Minister of the Department;
- NARL LLP means NARL Logistics Limited Partnership;
- **oil separator** means a device used to separate and remove oily wastes from oil and water mixtures;
- Plan means the specific plan as identified in the section of this Approval within which it is used. For example, in the Waste Management Plan section it refers to the Waste Management Plan;
- proficiency testing means the use of inter-laboratory comparisons to determine the performance of individual laboratories for specific tests or measurements;
- **product** means renewable diesel, renewable naphtha and sustainable aviation fuel:
- QA/QC means Quality Assurance/Quality Control;
- register(ed) in the context of storage tanks, means that information regarding the storage tank system has been submitted to a DGSNL office and a registration number has been assigned to the storage tank system. In the context of environmental site assessment and impacted site management work, registered means approved by the Department in accordance with departmental policy and guidelines; In the context of environmental site assessment and impacted site management work, registered means approved by the Department in accordance with departmental policy and guidelines;

- regulated substance means a substance subject to discharge limit(s) under the Environmental Control Water and Sewage Regulations, 2003;
- Site Professional means an individual who is registered with the Department to oversee environmental site assessment, remediation and contaminated site management work in Newfoundland and Labrador;
- **spill or spillage** means a loss of gasoline or associated product and renewable refinery product and feedstock in excess of 70 litres from a storage tank system, pipeline, tank vessel or vehicle, or an uncontrolled release of any volume of a regulated substance onto or into soil or a body of water;
- storage tank system means a tank and all vent, fill and withdrawal piping associated with it installed in a fixed location and includes a temporary arrangement;
- used glycol means glycol that, through use, storage or handling, can no longer be used for its original purpose; and
- **used oil** means oil that, through use, storage or handling, can no longer be used for its original purpose.
- 4. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies, guidance documents and guidelines, including the following, or their successors:
  - Environmental Protection Act;
  - Water Resources Act;
  - Air Pollution Control Regulations, 2022;
  - Environmental Control Water and Sewage Regulations, 2003;
  - Storage and Handling of Gasoline and Associated Products Regulations, 2003;
  - Used Oil and Used Glycol Control Regulations;
  - Heating Oil Storage Tank System Regulations, 2003;
  - Accredited Laboratory Policy;
  - Effluent Discharge Schedule Determination Policy for Industries:
  - Precipitation Drainage of Dyke Areas Guidance Document; and
  - Environmental Guidelines for Controlling Emissions of Volatile Organic Compounds from Above Ground Storage Tanks.

This Approval provides terms and conditions to satisfy various requirements of the above listed acts, regulations, policies, guidance documents and guidelines. If it appears that all of the pertinent requirements of these acts, regulations, policies and guidelines are not being met, then a further review of the works shall be conducted, and suitable pollution control measures may be required by the Minister.

- 5. All reasonable efforts shall be taken to minimize the impact of the operation on the environment. Such efforts include:
  - minimizing the area disturbed by the operation,
  - minimizing air, water or soil pollution,
  - finding alternative uses, acceptable to the Department, for waste or rejected materials.
  - removing equipment or structures when they no longer have further use, and

- considering the requirement for the eventual rehabilitation of disturbed areas when planning the development of any area on the facility property.
- 6. NARL LLP shall provide to the Department, within a reasonable time, any information, records, reports or access to data requested or specified by the Department.
- 7. NARL LLP shall keep all records or other documents required by this Approval at the fuel and feedstock storage and handling facility for a period of not less than three (3) years, beginning the day they were made. These records shall be made available for review by officials of the Department or DGSNL when requested.
- 8. Should NARL LLP wish to deviate in any way from the terms and conditions of this Certificate of Approval, a written request detailing the proposed deviation shall be made to the Minister. NARL LLP shall comply with the most current terms and conditions until the Minister has authorized otherwise. In the case of meeting a deadline requirement, the request shall be made at least 60 days ahead of the applicable date as specified in this Approval or elsewhere by the Department.

#### **Tank Truck Loading Facility**

- 9. The tank truck loading facility shall use submerged or bottom loading for gasoline and middle distillates.
- 10. The tank truck loading facility shall comply with CCME guidelines "Environmental Code of Practice for Vapour Recovery in Gasoline Distribution Networks, PN 1057" or its successor.
- 11. As described in the *Code of Practice (PN 1057)* the tank truck loading facility shall have a vapour recovery system or vapour destruction system, and shall at a minimum once in every 12 months:
  - (a) conduct tests as specified in the "Vapour Control Systems in Gasoline Distribution Network" (CAN/CGSB-3.1000-2019) to ensure that the vapour recovery unit or vapour destruction unit emissions do not exceed the level as specified in the CAN/CGSB-3.1000-2019 Standards, and
  - (b) test the vapour control system as per test(s) specified in the CAN/CGSB-3.1000-2019 Standards for leaks.
- 12. All records and compliance determination as per sections 3.4 and 3.5 of the CCME guidelines "Environmental Code of Practice for Vapour Recovery in Gasoline Distribution Networks, PN 1057" or its successor for the tank truck loading terminal shall be submitted annually to the Department by Feb 28 of each subsequent year, as per Reporting section.
- 13. The oil separator at the tank truck loading facility shall be checked routinely and maintained in accordance with the manufacturer's instructions to ensure that it is working properly and to ensure that the valve remains in the closed position. The oil separator shall be emptied regularly to attain maximum containment capacity. A log of the checks shall be maintained.
- 14. All effluent from oil separator at the tank truck loading facility shall be emptied via a vacuum truck to the refinery wastewater treatment plant or shall be collected and

disposed of by a company licensed for the handling, treatment and disposal of such effluent.

## Waste Management

- 15. The management of waste generated at the facility is subject to compliance with the *Environmental Protection Act*. All non-industrial waste shall be stored in a manner acceptable to the Department and at least every two (2) weeks be disposed of:
  - at an authorized waste disposal site, with the permission of the owner/operator of the site; or
  - by some other means acceptable to the Department.

If required, industrial waste shall be disposed of by a licensed operator.

- 16. NARL LLP shall ensure that all volatile chemical and solvent wastes, if they cannot be reused, are placed in suitable covered containers for disposal in a manner acceptable to the Department. Disposal of liquid wastes at waste disposal sites in the province is not permitted.
- 17. Disposal of hazardous waste in a municipal or regional waste disposal site in this Province is prohibited. Transporters of hazardous waste shall have an Approval issued by the Minister. Those generating hazardous waste shall have a waste generators number issued by the Department and shall also complete the required information outlined in the Waste Manifest Form.

# Waste Management Plan

- 18. NARL LLP shall submit an updated Waste Management Plan for the operation of the fuel and feedstock storage and handling facility. With the goal of minimizing adverse effects on the environment, the Plan shall:
  - be comprehensive, including all operations within the fuel and feedstock storage and handling facility;
  - identify the types of waste materials (i.e. sewage, empty chemical packaging, etc.);
  - provide general direction in dealing with the handling, storage, transport, treatment and disposal of waste materials; and
  - incorporate the basic waste management principles of reduce, reuse, recycle, recover and residual disposal.

An outline of the Plan shall be submitted to the Department for review by August 31, 2022. The outline shall include a schedule of dates for preparation and implementation for each section of the Plan. The completed Plan shall then be submitted to the Department for review by December 31, 2022. Every year the Plan shall be reviewed and revised as necessary, accounting for expanding or alteration of activities. All proposed revisions shall be submitted to the Department for review. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

#### **Impounding Basin**

- 19. NARL LLP shall ensure that the impounding basin is maintained in such a way that emergency containment capacity of 900,000 barrels is available at all times to handle a tank failure.
- 20. NARL LLP shall make best efforts to prevent the discharge of petroleum products, renewable fuel refinery feedstock and products, or other liquids to the impounding basin. Intentional discharges to the impounding basin must be approved by the Department.
- 21. NARL LLP shall ensure that any free petroleum product, renewable fuel refinery feedstock and products, or other liquid discharged or spilled to the impounding basin is recovered within a reasonable period of time. The reasonable period of time shall be determined by the Department based on the circumstances at the time of the discharge or spill.
- 22. The impounding basin may be used for the purpose of equalization of effluent, provided that this use does not contribute to odours and the 900,000 barrels of emergency storage capacity is maintained in the basin.

# Open Burning

23. Materials listed in Table 2 shall not be burnt in open fires.

Table 2: Material Not Approved for Open Burning		
tires and plastics	manure and rubber	
treated lumber	tar paper	
asphalt and asphalt products	railway ties	
drywall	paint and paint products	
demolition waste	fuel and lubricant containers	
hazardous waste	used oil	
biomedical waste	animal cadavers	
domestic waste	hazardous substances	
trash, garbage, or other waste from commercial, industrial or municipal operations	materials disposed of as part of the removal or decontamination of equipment, buildings or other structures	

24. The Department shall be notified prior to the burning of any materials not listed in Table 2.

#### Noise

25. Efforts shall be made to minimize and control noise resulting from NARL LLP's operations and maintenance activities. All vehicles operating within the facility shall have exhaust and muffling devices in good working order.

### **Dust Suppression**

26. NARL LLP shall control dusting resulting from construction and operational activities at the site. Use of dust suppressants other than water or calcium chloride shall require Approval of the Department. NARL LLP is encouraged to use best management practices when applying calcium chloride or any other approved dust suppressant.

## **Spill Prevention and Containment**

- Areas in which chemicals are used or stored shall have spill containment systems constructed with impermeable floors, walls, dykes or curbs as applicable and be configured, maintained, inspected and repaired as follows:
  - they shall not discharge to the environment;
  - they shall have an effective secondary containment capacity of at least 110% of the chemical storage tank capacity, in the case of a single storage container;
  - if there is more than one storage container, they shall have an effective secondary containment capacity of at least 110% of the capacity of the largest container, or 100 % of the capacity of the largest container plus 10% of the aggregate capacity of all additional containers, whichever is greater;
  - they shall be kept clear of material that may compromise the containment capacity;
  - they may include a floor drain system provided that the floor drains, and the place or device to which they drain, are configured in such a manner that the required effective secondary containment capacity is maintained;
  - every year they shall be visually inspected for their liquid containing integrity, and repairs shall be made when required; and
  - once every ten years, spill containment systems shall be inspected, by a means other than visual inspection, for their liquid containing integrity, and repairs shall be made when required.
- 28. All new and existing storage tanks shall comply with the conditions specified in the CCME guidelines "Environmental Guidelines for Controlling Emissions of Volatile Organic Compounds from Aboveground Storage Tanks, PN 1180" or its successor.
- 29. All on site storage of petroleum shall comply with the Storage and Handling of Gasoline and Associated Products Regulations, 2003, or its successor. Storage tank systems shall be registered with DGSNL.
- 30. NARL LLP shall implement the API Standard 653, "Tank Inspection, Repair, Alteration and Reconstruction" in accordance with common industry practice.
- 31. NARL LLP shall submit an inventory of all petroleum, renewable fuel refinery feedstock and products, and chemical storage tanks to the Department for review by *October 31, 2022*. This inventory shall include the following information:
  - site plan showing tank location.
  - storage tank system photos, including manufacturer's labels,
  - registration number (where applicable),
  - identification number,
  - material stored,
  - capacity,

- annual throughput,
- tank material.
- tank type,
- tank type,
  tank diameter,
- tank height,
- tank colour,
- roof type,
- year of manufacture,
- date of installation,
  date of last inspection,
  failure history,

- maintenance history, effective secondary containment capacity, and
- date of next planned inspection.

An update of the complete storage tank inventory including any changes to it shall be submitted to the Department within three (3) months of the change having occurred.

#### Contingency Plan

- 32. A Contingency Plan for the operation of the fuel and feedstock storage and handling facility shall be submitted to the Department for review by September 30, 2022. The Plan shall clearly describe the actions to be taken in the event of a spill of a toxic or hazardous material. It shall include, as a minimum: notification and alerting procedures; duties and responsibilities of the "on-scene commander" and other involved staff; spill control and clean-up procedures; restoration of the spill site; information on disposal of contaminants; and resource inventory. Copies of the Plan shall be placed in convenient areas throughout the facility so that employees can easily refer to it when needed. NARL LLP shall ensure that all employees are aware of the Plan and understand the procedures and the reporting protocol to be followed in the event of an emergency. An annual response exercise is recommended for response personnel. Every year, as a minimum, the Plan shall be reviewed and revised as necessary. Any proposed significant revisions shall be submitted to the Department for review. Changes which are not considered significant include minor variations in equipment or personnel characteristics which do not effect implementation of the Plan.
- 33. Every time NARL LLP implements the Contingency Plan, information shall be recorded for future reference. This will assist in reviewing and updating the Plan. The record is to consist of all incidents with environmental implications, and include such details as:

  - time of day;
  - type of incident (i.e. liquid spill, gas leak, granular chemical spill, equipment malfunction, etc.);
  - actions taken:
  - problems encountered; and
  - other relevant information that would aid in later review of the Plan performance.

Each incident report shall be submitted to the Department as per the Reporting section.

## **Decommissioning and Restoration**

- 34. NARL LLP shall submit a site Decommissioning and Restoration Plan for all the tanks, equipment, infrastructure and land under their ownership to the Department by *April 30, 2023*. For guidance on the preparation of the Plan, refer to Appendix A. Wherever possible, the Plan shall promote progressive reclamation of disturbed areas.
- 35. As part of the site decommissioning and restoration process, NARL LLP shall employ a registered Site Professional to complete a site-wide environmental site assessment, as defined in the *Guidance Document for the Management of Impacted Sites*. Should impacts be identified, NARL LLP shall proceed through the process outlined in the Guidance Document to achieve regulatory site closure.

## **Used Oil and Used Glycol**

- 36. Used oil and used glycol shall not be mixed and shall be stored in separate:
  - closed containers;
  - registered tanks; or
  - tanks that have an active approval from DGSNL.
- Where greater than 205 litres of used oil or used glycol is stored in one or more containers, the storage shall require approval from the Department.
- 38. Used oil and used glycol shall be disposed of by a company licensed for the handling and disposal of such products.
- 39. Information on used oil and used glycol that is generated at the facility shall be submitted to the Department for review by *January 31* of each year. This shall include a description of:
  - the type(s) of oil and/or glycol used;
  - the approximate total volume of used oil and/or used glycol generated during the previous year; and
  - the method of disposal for the used oil and/or used glycol.
- 40. In the event that used oil and/or used glycol generated off-site is stored in the on-site storage tank(s), the information listed above shall also be required for the off-site systems.
- 41. The use or operation of an oil separator requires registration under the *Used Oil and Used Glycol Control Regulations*. Applications for registration shall be submitted to, and registration numbers are assigned by, DGSNL.

# **Air Quality Complaints**

42. NARL LLP shall maintain a record of all air quality complaints received from the municipalities or communities and Government agencies. The collected information shall be used to determine if there are specific meteorological or operating conditions or combinations thereof that result in an impact on the community. If significant relationships can be established, the information shall be used by NARL LLP to

prevent or mitigate air quality problems during adverse conditions.

# **Pollution Control Equipment**

43. All pollution control equipment shall be maintained and operated as per the manufacturer's specifications for best performance.

## **Monitoring Alteration**

- 44. Although a monitoring program is not part of this Approval, the Department may require a monitoring program when it is the judgement of the Department that:
  - pollutants might be released to the surrounding environment without being detected; or
  - an adverse environmental effect may occur.

## Reporting

- 45. NARL LLP shall submit by *February 28* of each year a report for the previous calendar year that contains the following:
  - All records required under parts 3, 4, 5, and 6 of the CCME guidelines "Environmental Code of Practice of Vapour Recovery in Gasoline Distribution Networks (PN 1057)".
- 46. All incidents of:
  - Contingency Plan implementation; or
  - non-conformance of any condition within this Approval; or
  - spillage or leakage of a regulated substance; or
  - verbal or written complaints of an environmental nature received from the public by NARL LLP related to the fuel and feedstock storage and handling facility, whether or not they are received anonymously;

shall be immediately reported, within one (1) working day, to the Department.

A written comprehensive incident report, including a detailed description of the incident, a summary of contributing factors, and an Action Plan to prevent future incidents of a similar nature, shall be prepared. The report shall include a description of actions already taken and future actions to be implemented, and shall be submitted to the Department within thirty (30) days of the date of the initial incident.

- 47. Any spillage or leakage of gasoline or associated product shall be reported immediately through the Environmental Emergencies 24-hour report line at 1-800-563-9089.
- 48. The Department shall be advised prior to or as soon as possible with regard to malfunctions, unplanned or emergency shutdowns of air pollution control equipment.
- 49. The Department shall be provided with at least two weeks advance notice of scheduled shutdowns of air pollution control equipment.

- 50. In addition to the reporting specified in this Approval, NARL LLP shall, upon the request of the Department, and within such time as may be specified, provide this Department with such reports, drawings, specifications, analytical data, flow rate measurements, shift logs, laboratory logs, maintenance records and other such information as may from time to time be requested.
- 51. The Department reserves the right, at its discretion, to make available to the general public any final reports in its possession pertaining to environmental matters at the fuel and feedstock storage and handling facility. This includes, but is not limited to VRU Operations Information and chemical, petroleum, feedstock or products spill reports.

#### **Liaison Committee**

- The Department recognizes the benefits of accurate, unbiased communication between the public and the fuel and feedstock storage and handling facility operations which may have an impact on the properties and residents in the area. The Department encourages that NARL LLP continue the regular Community Liaison Committee (CLC) meetings, as per the terms and conditions outlined in the CLC Constitution. Regular meetings of the Liaison Committee will provide a clear conduit of communication between concerned citizens and NARL LLP. The Department reserves the right to require the continuation of the Liaison Committee should it be deemed necessary.
- NARL LLP shall provide information relating to environmental matters and any other matter of general interest or concern through the liaison committee to the CLC members. NARL LLP with the assistance of the liaison committee shall identify further opportunities to improve communication with the CLC members. NARL LLP shall assume all reasonable costs associated with the operation of the liaison committee.

# **Compliance and Progress Review**

54. Representatives of NARL LLP and the Department of Environment and Climate Change shall meet quarterly to review progress on work items and compliance with conditions of this Certificate of Approval.

# Expiration

- 55. This Certificate of Approval expires *April 28*, 2027.
- 56. Should the proponent wish to continue to operate the fuel and feedstock storage and handling facility beyond this expiry date, a written request shall be submitted to the Department for the renewal of this Approval. Such request shall be made prior to October 28, 2026.

#### APPENDIX A

## **Industrial Site Decommissioning and Restoration Plan Guidelines**

As part of the Department of Environment and Climate Change's ongoing commitment to minimize the residual impact of industrial activities on the environment of the province, the Department requires that NARL LLP develop a Decommissioning and Restoration Plan for the fuel and feedstock storage and handling facility at Come By Chance and its associated property. The guidelines listed below are intended to provide some general guidance as to the expectations of the Department with regard to the development of the Plan, and to identify areas that are of particular concern or interest. The points presented are for consideration, and are open to interpretation and discussion.

Decommissioning and Restoration Plans are intended to present the scope of activities that a company shall undertake at the time of final closure and/or decommissioning of the industrial properties. Where it is useful and practical to do so the company is encouraged to begin undertaking some of the activities outlined in the Plan prior to final closure and decommissioning. The objectives of the restoration work to be undertaken can be summarized as follows:

- to ensure that abandoned industrial facilities do not endanger public health or safety;
- to prevent progressive degradation and to enhance the natural recovery of areas affected by industrial activities;
- to ensure that industrial facilities and associated wastes are abandoned in a manner that will minimize the requirement for long term maintenance and monitoring;
- to mitigate, and if possible prevent, the continued loadings of contaminants and wastes to the environment. The primary objective shall be to prevent the release of contaminants into the environment. Where prevention is not practical due to technical or economic limitations then activities intended to mitigate the consequence of such a release of contaminants shall become the objective of restoration work;
- to return affected areas to a state compatible with the original undisturbed condition, giving due consideration to practical factors including economics, aesthetics, future productivity and future use; and
- to plan new facilities so as to facilitate eventual rehabilitation.

The Decommissioning and Restoration Plan should:

- identify areas of known historical or current contamination;
- identify past or existing operational procedures and waste management practices that have, or may have, resulted in site contamination;
- highlight the issues or components to be addressed;
- identify operational procedures and waste management practices that can prevent or reduce site contamination;
- consider future land use, regulatory concerns and public concerns;

- enable estimation of the resources and time frame required to decommission the facility and restore the site to a condition acceptable to the Department;
- enable financial planning to ensure the necessary funds for decommissioning and restoration are set aside during the operational life of the facility, and
- include arrangements for appropriate project management to ensure successful completion of the decommissioning and restoration program.

cc: Mr. Gary Kennell
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