

GENERAL:

1. This Policy regulates the admission and disposal of contaminated soil at the Region of Queens Solid Waste Management Facility.
2. In this policy:
 - a) "Contaminated Soil" means soil, which has been contaminated with any of those substances listed in Tables A or B attached hereto to the levels as identified therein and which soil is subject to an off-site removal directive by the Nova Scotia Department of Environment and Labour, an Engineering Consultant or is admitted to be contaminated by the party seeking to dispose of the soil;
 - b) "Contractor" means a person or company conducting the excavation and transporting of contaminated soil to the landfill;
 - c) "Landfill" means the Region of Queens Municipal Solid Waste Management Facility located at 3750 Highway #8, Milton, Nova Scotia.
 - d) "Operator" means the operator of the landfill;
 - e) "Generator" means the owner of land on which the contaminated soil as defined above is situate;
 - f) "Engineer" means Director of Engineering and Public Works or his designate;
 - g) "Region" means the Region of Queens Municipality.

DISPOSAL AT THE LANDFILL:

3.
 - a) All contaminated soil brought to the Region's Landfill for disposal shall be free of waste and other materials and all the contaminants must be fully absorbed in the soil such that no free product is present.
 - b) The Region's Engineer shall be authorized, prior to acceptance of any contaminated soil at the Landfill, to ask to be provided with copies of any testing results done on the subject soil and to demand such additional testing as he in his discretion may deem necessary or advisable.

4. All generators shall be required to give advance notice to the Engineer and shall fill out an Acceptance Form for Contaminated Soil on the form attached as Schedule “A” hereto at the Region’s Office and shall show proof of receipt of acceptance upon delivery at the Landfill.
5. Contaminated soil shall be off-loaded in accordance with the Operator’s instructions.
6. a) Subject to subsection 6 b) hereof, the Region shall charge generators for the disposal of contaminated soils in accordance with the fees as established by the Council of the Region of Queens Municipality from time to time.
 - (i) Generators may elect to have the Region charge the Contractor for the disposal fees payable.
- b) The disposal fees otherwise payable hereunder shall be waived by the Region in all instances where the generator meets the following criteria:
 - (i) it is a non-profit organization located within the boundaries of Queens County;
 - (ii) and it is exempt from municipal and / or provincial taxation under the provisions of any of the Region’s bylaws or the *Municipal Government Act* or the *Assessment Act*;
 - (iii) and it is not a municipal, provincial or federal government nor a department thereof.

Approved by Council:

October 17, 2005

TABLE A
Acceptance Parameters for Contaminated Soil
Total Analysis
(All values in µg/g or ppm)

Inorganic Parameters	Maximum Limit
Antimony	40
Arsenic	50
Barium	2000
Beryllium	8
Boron	2
Cadmium	20
Chromium (+6)	8
Chromium (total)	800
Cobalt	300
Copper	500
Cyanide (free)	100
Cyanide (total)	500
Fluoride (total)	2000
Lead	1000
Mercury	10
Molybdenum	40
Nickel	500
Selenium	10
Sulphur	40
Thallium	1
Tin	300
Vanadium	200
Zinc	1500
Organic Parameters	Maximum Limit
Benzene	5
Toluene	30
Ethylbenzene	50
Xylenes	50
Styrene	50
Polycyclic aromatic hydrocarbons (PAH's) (each)	10
(total)	50
Aliphatic hydrocarbons (each)	150
Phenolics (each)	10
Chlorinated aliphatics (each)	50
Chlorobenzenes (each)	10
Polychlorinated biphenyls (PCB's)	50

TABLE B
Acceptance Parameters for Contaminated Soils
Leachate Results
(All values in mg/l)

Inorganic Parameters	Maximum Limit
Aluminum	500
Arsenic	5*
Barium	100*
Beryllium	10
Boron	500*
Cadmium	0.5*
Chromium (+6)	0.5*
Chromium (total)	5*
Cobalt	5
Copper	100**
Cyanide (free)	4
Cyanide (total)	20*
Iron	30*
Lead	5*
Lithium	250
Manganese	5**
Mercury	0.1*
Molybdenum	5
Nickel	20
Selenium	1*
Silver	5*
Sodium	20**
Sulphur (total)	50,000
Uranium	2*
Vanadium	10
Zinc	500**
Organic Parameters	Maximum Limit
Benzene	0.5**
Toluene	2.4**
Ethylbenzene	0.24**
Xylenes	30**
Styrene	2.4
Polycyclic aromatic hydrocarbons (PAH's) (total)	0.01**
Aliphatic hydrocarbons (each)	1.5
Phenolics (each)	0.1
Chlorinated phenols (each)	0.2**
Chlorinated aliphatics (each)	0.5**
Chlorobenzenes (each)	0.5**

* limit from TDG Regulations

** limit from Canadian Drinking Water Quality Guidelines
other values are assigned.

SCHEDULE "A"

**REGION OF QUEENS MUNICIPALITY
ACCEPTANCE OF CONTAMINATED SOILS**

TYPE OF MATERIAL _____

APPROXIMATE TONNAGE _____

POINT OF ORIGIN _____

ARRIVAL DATE _____

TYPE OF CONTAMINATION _____

ASSESSMENT ANALYSIS _____

NOVA SCOTIA DEPARTMENT OF THE
ENVIRONMENT ACCEPTANCE PER: _____

GENERATOR'S NAME AND SIGNATURE _____

GENERATOR'S ADDRESS _____

CONTRACTOR'S NAME AND SIGNATURE _____

DATE _____

REGION OF QUEENS'
ENGINEER'S SIGNATURE _____

DATE _____