

Waste Approval Application

The following Waste Approval Application (WAA) is the tool that GRT uses to review specific information about waste soil, water or sediment, before determining in advance if they can accept it at their treatment facility. Any generator wishing to send waste to a GRT facility must retain a Qualified Environmental Professional (QEP) (acting on their behalf) to complete the following WAA.

The QEP must complete every section of the WAA and must be familiar with the waste characteristics and quality. The QEP must confirm that the waste is not hazardous waste (as defined by the BC Hazardous Waste Regulation). GRT cannot accept any hazardous waste.

Analytical data should be attached to the WAA, and additional environmental reports, geotechnical reports, particle size distribution graphs, and other supporting documents may be submitted with the completed WAA. If the generator wishes to send multiple waste streams (i.e., waste from different sources or with different physical or chemical characteristics), Sections D through F must be completed for each separate waste stream.

GRT will review the completed WAA, analytical data and supporting documents (if any). If approved, GRT will issue a Transportation Manifest for the project and schedule delivery. All waste streams delivered to GRT's facilities must be done so in compliance with applicable municipal, provincial, and federal regulations and guidelines.

All fields must be completed digitally.

Please e-mail the completed form to, and request assistance in completing the form from:
 Claire@grtenv.com or Blair@grtenv.com

Section A - Waste Generator Information

Generator Registered Name	Company		
Mailing Address	Street		
	City	Province	Postal Code
Contact Information	Name		
	Title		
	Phone		
	Email		
Reference Numbers	Project #	Other (Specify)	
Generating Location	Street		
	City	Province	Postal Code

Section B - Billing/Invoicing Information

Invoice to	Company		
Mailing Address	Street		
	City	Province	Postal Code
Accounting Contact Information	Name		
	Title		
	Phone		
	Email		
Reference Numbers	Project #	Other (Specify)	

Section C - QEP Information

Company	Company		
Mailing Address	Street		
	City	Province	Postal Code
Contact Information	Name		
	Title		
	Phone		
	Email		
Reference Numbers	Project #	Other (Specify)	

Section D - Transportation Information

Total Volume/Tonnage	Cubic Meters	Tonnes
Shipping Method		
Waste Shipper Name		
Shipping Start Date		
Shipping End Date		

Section E - Soil Characterisation

List all investigations completed (e.g., PSI1, PSI2, DSI, Stockpile Sampling, etc.)	
Contaminant Sources / AECs (e.g., USTs, sand blasting, lead paint, etc.)	
List sample ids that represent material (e.g., soil, dredge, water) being sent to GRT	

Section F - General Waste Characteristics

Soil Type by % (approx)	% clay	%silt	%sand	%gravel	%rock
% Moisture Content	pH	Odour?		Describe Odour:	
% Debris	Debris Description:				
Free of Naturally Occuring Radioactive Materials (NORM)		Free of Invasive Species		Free of Unexploded Ordnances (UXO)	

Section G - Chemical Properties

In addition to attaching analytical data (in tabular or laboratory format), please ALSO indicate the HIGHEST concentration of each of the following Potential Contaminants of Concern.

Total Metals (mg/kg or PPM)			
Aluminum, Al		Manganese, Mn	
Antimony, Sb		Mercury, Hg	
Arsenic, As		Molybdenum, Mo	
Barium, Ba		Nickel, Ni	
Beryllium, Be		Selenium, Se	
Bismuth, Bi		Silver, Ag	
Boron, B		Sodium, Na	
Cadmium, Cd		Strontium, Sr	
Calcium, Ca		Thallium, Tl	
Chromium, Cr (III)		Tin, Sn	
Chromium, Cr (VI)		Titanium, Ti	
Cobalt, Co		Tungsten, W	
Copper, Cu		Uranium, U	
Iron, Fe		Vanadium, V	
Lead, Pb		Zinc, Zn	
Lithium, Li			

Salts (mg/kg) - by saturated paste method			
Chloride Ion		Sodium Ion	

Hydrocarbons (mg/kg or ppm)			
VH (6-10)		VPHs	
EPHs (10-19)		EPHs (19-32)	
LEPHs		HEPHs	

BTEX (mg/kg or PPM)			
Benzene		Xylene	
Toluene		MTBE	
Ethylbenzene			

Section H - Hazardous Waste Characterisation

GRT cannot accept hazardous waste. Please confirm that Generator is not transporting hazardous waste to the GRT Site by comparing all waste characterization results against a "suspect hazardous waste trigger", which is calculated as 20 times the BC Hazardous Waste Regulation (HWR) Schedule 4, Table 1 standards.

If this trigger is exceeded, the Generator must analyze their suspect hazardous waste using Toxic Characteristic Leaching Procedure (TCLP) analysis, then compare the TCLP analytical results to the HWR Schedule 4, Table 1 Leachate Quality Standards. If TCLP concentration is greater than the standard, the material is hazardous and GRT cannot accept it.

The following table provides a summary of some common suspect hazardous waste triggers, but is not exhaustive. The Generator's QEP is responsible for confirming that all data has been reviewed against all applicable hazardous waste triggers, as well as WHMIS physical, health and environmental hazards.

Suspect Hazardous Waste Triggers and Leachate Standards

Constituent of Concern in Soil	Is soil concentration greater than this Trigger (in mg/kg)? If YES, complete TCLP Analysis	TCLP Analysis Concentration (mg/L)	HWR Schedule 4, Table 1 Leachate Quality Standard (mg/L)
Arsenic	50		2.5
Barium, Copper	2,000		100
Boron, Zinc	10,000		500
Cadmium	10		0.5
Chromium	100		5.0
Lead	100		5.0
Mercury	2		0.1
Benzo(a)pyrene	0.02		0.001
Pentachlorophenol (PCP)	120		6.0
Tetrachloroethylene (PERC)	60		3.0
Trichloroethylene (TCE)	100		5.0
Vinyl Chloride	4.0		0.2
Benzene	10.0		0.5
Ethylbenzene	4.8		0.24
Toluene	48		2.4
Xylene	600		30

Additional Hazardous Waste Indicators or Information:
(e.g., Waste oil less than 3% by weight, Waste PAH < 100 mg/kg TEQ, etc.)

Section I - Certification by Generator QEP

I hereby certify that the waste materials described in this Waste Approval Application (WAA) are representative of the materials proposed to be sent to the GRT Resource Regeneration Facility, and that they are not hazardous waste.

I also certify that, to the best of my knowledge, the information contained herein, including all attached documents, are complete and not misleading, and that all known or suspected hazards and contaminants have been disclosed.

The undersigned individual warrants that he/she is authorized to sign this WAA on behalf of the Generator and, that by signing this application, the Generator understands and hereby agrees to fully indemnify GRT Holdings against any damages resulting from this certification being inaccurate or untrue.

Authorized Representative Name	Company Name
Authorized Representative Signature	Date (DD-MM-YYYY)

Receiving Location - GRT Use Only

Material		Location	
		Location	
		Location	
Material		Location	
		Location	
		Location	
Material		Location	
		Location	
		Location	

GRT Use Only

Project Number	GRT Waste Code	
GRT QEP Name	GRT QEP Signature	Date (DD-MM-YYYY)