MONROE COUNTY RIDGEVILLE II LANDFILL
SPECIAL WASTE ACCEPTANCE PLAN

1.0 INTRODUCTION

This special waste acceptance plan has been developed to assist Monroe County solid waste management personnel to screen non-municipal waste that will be accepted at the Monroe County Ridgeville II landfill on an occasional basis. This plan has been developed to accomplish the following:

a. Identify special waste types and respective volumes being accepted at the Ridgeville II Landfill
b. Ensure acceptance of the waste authorized by applicable regulatory programs and respective regulatory changes
c. Ensure acceptance of only waste that complies with Monroe County policies and guidelines
d. Ensure that accepted waste does not adversely impact landfill operations and/or the design of the facility
e. Define analytical testing requirements
f. Ensure safe handling of the special waste for Monroe County's solid waste personnel, operation contractor, and haulers using the site.
g. Streamline the approval process for the County as well as the regulatory agency

The accomplishment of the above mentioned goals will be achieved through the implementation of a thorough special waste review and acceptance plan.

2.0 ACCEPTANCE LIMITS

In order to ensure that only non-hazardous wastes are accepted for disposal the Monroe County Solid Waste Department has developed a list of parameters and acceptance limits. Attachment 1 includes a list of these parameters and their corresponding acceptance limits. The major source used in establishing these limits are the TCLP limits established by the U.S. EPA and applicable state and local regulatory agencies. In addition to the TCLP limits, parameters and test methods have been identified for the characteristics of ignitability, corrosivity, and reactivity.

There are two main reasons for establishing these acceptance limits. The first is to establish acceptance limits that are accepted by or mandated by the regulatory community. The second is to establish guidelines for accepting these materials that are excluded from regulation or accepting materials that have the potential to adversely impact the Ridgeville II Landfill and its operations. Parameters that have been identified as having the potential to adversely impact on landfill operations are flash point, pH, and TCLP copper, nickel, and zinc. If a particular waste exceeds the acceptance limit for one of these parameters, the Monroe County Solid Waste Manager may accept or deny the respective waste after a thorough review of all the parameters.

Any waste, which is not excluded from regulation, must be demonstrated to be in compliance with the acceptance limits contained in Attachment 1 prior to accepting this material for disposal. Wastes, which have been excluded from regulation, will be evaluated using the acceptance limits contained in Attachment 1 as a guideline. Wastes that exceed the acceptance limits for a

parameter, which is not mandated by regulation, may be accepted on a case-by-case basis at Monroe County's discretion.

Each waste generator will be required to submit information demonstrating compliance with the acceptance limits prior to receiving approval for the disposal of their special waste. The information may be in the form of current analytical data, MSDS sheets, generator knowledge, or any combination of these.

3.0 WASTE TYPES AND ANALYTICAL TESTING REQUIREMENTS

Attachment 2 contains a list of the special waste types anticipated and the analytical requirements for each. This list was based on discussions with the Monroe County Solid Waste Manager as to what type of special waste the County would accept at the Ridgeville II landfill. Although the Table identifies the standard analytical requirements, Monroe County reserves the right to require additional analytical testing as they deem necessary. Also if a generator can adequately document compliance with the acceptance limits, some analytical requirements may be waived.

4.0 WASTE EVALUATION PROCEDURES

Prior to acceptance of a special waste at the Ridgeville II landfill, the waste must be reviewed and approved by the Monroe County Solid Waste Manager, with the exception of asbestos containing materials from building demolition or remodeling projects. The following further explains the requirements of each party involved in the approval process.

Generator Requirements

Each generator must submit a signed Special Waste Profile Sheet. An example of a Special Waste Profile Sheet is included in Attachment 3. The profile sheet will identify the generator's name and address, waste name, process, generating the waste, anticipated volumes, and general physical characteristics of the waste. Also by signing the profile sheet the generator will certify that the waste is not hazardous, does not contain regulated quantities of PCB's and is not an infectious waste.

Solid Waste Manager Review

The Monroe County Solid Waste Manager will review the profile and associated attachments to determine if the waste can be accepted at the Ridgeville II landfill. A log will be maintained at the Monroe County Solid Waste Department office and will contain the following:

Profile Number
Generator Name
Waste Name
Date Approved
Waste Category

A copy of an approval review form is included in Attachment 4.

Regulatory Agency Review

The following wastes will require WDNR concurrence on the acceptability of the waste for disposal at the Ridgeville II landfill.

Waste containing high levels of non-RCRA/TSCA regulated toxic compounds

Highly variable wastes which may require more frequent testing

This approval should typically be in the form of a verbal concurrence of the analytical testing needed to accept the waste. This verbal approval will be documented by the Monroe County Solid Waste manager and placed in the special waste acceptance file located at the Monroe County Solid Waste Department office.

The following wastes will require written approval from the WDNR prior to acceptance and disposal at the Ridgeville II landfill.

Any waste which will exceed 5% of the proposed design capacity of the landfill (excluding wastes approved for use as alternate daily cover)

Wastes containing naturally occurring radioactive components

Wastes generated from the treatment of hazardous wastes

In order for the Monroe County Solid Waste Manager to obtain written approval from the WDNR for disposal of these special wastes a copy of the special waste profile sheet and any associated attachments accompanied by a cover letter requesting approval will have to be submitted to the Department for review

5.0 APPROVAL OR REJECTION LETTERS

Upon completion of the special waste acceptance evaluation by Monroe County the waste generator will be notified of the results of the review. This notification will be accomplished through the use of an approval or rejection letter. In addition to the notification to the generator of the approval or rejection of the waste, approval letters will also contain standard requirements for the acceptance of the respective waste, any conditions of the approval, and any retesting and recertification requirements. A rejection letter will notify the waste generator that their waste is not acceptable for disposal at the Ridgeville II landfill and will include the basis for this determination.

6.0 RECIRTIFICATION AND REANALYSIS FREQUENCY

On-going waste streams will be periodically reviewed to ensure the acceptability of the special waste at the Ridgeville II landfill. Recertification from the waste generator will typically be requested every 3 years, or any time a change is made in the process producing the special waste. To provide this recertification, the waste generator will be required to complete and sign a new special waste profile sheet certifying that the process generating the waste has not changed or submit a recertification letter documenting that the process producing the special waste has not changed.

Retesting frequency will be based on the results of the initial waste analysis and the type of waste generated. The frequency will be determined by the Monroe County Solid Waste Department with a minimum frequency of 5 years.

If a process producing the special waste is highly variable with respect to the materials being used in the process, or the process itself, the waste may be subject to additional periodic testing requirements as determined by the Monroe County Solid Waste Department.

7.0 WASTE RECEIVING PROCEDURES

Upon approval each special waste will be assigned a disposal method. A list of the proposed disposal methods is included in Attachment 5.

8.0 RECORD KEEPING PROCEDURES

The following will be incorporated into the operating records and will be maintained at the Monroe County Solid Waste Department office.

Special Waste Approval Log

Special Waste Profile Sheets

Approval Forms, including WDNR concurrence documentation

Waste receiving records

9.0 Beneficial Reuse Projects

The Monroe County Solid Waste Department is requesting Department approval for a glass beneficial reuse program which will include utilization of crushed glass for uses in landfill leachate recirculation, road construction within the waste limits, and as road base in a proposed parking and roll-off box drop off area to be utilized for the County's clean sweep program and other County sponsored collection programs.

The proposed crushed glass will be made up of mostly colored glass which has no market value at this time. The colored glass will be green, brown, blue, and some clear. The glass will be crushed to meet the sieve size required by Wis. Admin. Code Comm.21.17, and used for road base or the drainage material around the leachate recirculation piping.

Depending on the proposed use for the crushed glass material, its depth will not exceed engineering design standards for drainage and/or stability for the respective end use.

ATTACHMENT 1

ACCEPTANCE LIMITS

MONROE COUNTY RIDGEVILLE II LANDFILL
SPECIAL WASTE ACCEPTANCE CRITERIA

GENERAL PARAMETERS

Test	Parameter	Acceptance Limit	Test Method
FP	Flashpoint	>140^0 F [1]	
BT	Burn Test	Non-ignitable	49 CFR 173 Appendix E 2.(c)(1) Preliminary Screening Test
C	Corrosivity	2>pH<12.5	SW-846 Method 9045
RC	Reactivity Cyanide	250 mg/l	SW- 846 7.3.3.2
RS	Reactivity Sulfide	500mg/kg	SW-846 7.3.4.2
RW	Reactivity Water Reactive	Negative	49 CFR 173 Appendix E 4.(a)(1-3) Test Methods for Division 4.3
FL	Free Liquids	None [2]	Paint Filter Test

1 Solids with a flash point less than 140^0 F may be accepted if the burn test is negative

2. Free liquids limit does not apply to consumer packaged items that would typically be found in household waste received from direct disposal and/or to waste received for processing at a licensed waste

TCLP METALS

EPA Waste Code	Analyte	Acceptance Limit
D004	Arsenic	<5.0 mg/l
D005	Barium	<100 mg/l
D006	Cadmium	<1.0 mg/l
D007	Chromium	<5.0 mg/l
D008	Lead	<5.0 mg/l
D009	Mercury	<2.0 mg/l
D010	Selenium	<1.0 mg/l
D011	Silver	<5.0 mg/l
N/A	Copper	<200.00 mg/l [3]
N/A	Nickel	<35.0 mg/l [3]
N/A	Zinc	<500.0 mg/l [3]

3. Non-regulatory limits established by Monroe County. These may be subject to change on a case by case basis

TCLP VOLATILE ORGANIC COMPOUNDS (VOC's)

EPA Waste Code	Analyte	Acceptance Limit
D018	Benzene	<0.5 mg/l
D019	Carbon Tetrachloride	<0.5 mg/l
D021	Chlorobenzene	<100.0 mg/l
D022	Chloroform	<6.0 mg/l
D027	1,4-Dichlorobenzene	<7.5 mg/l
D028	1,2-Dichloroethane	<0.5 mg/l
D029	1,1-Dichloroethylene	<0.7 mg/l
D035	Methyl Ethyl Keytone	<200 mg/l
D039	Terarchloroethylene	<0.7 mg/l
D040	Trichloroethylene	<0.5 mg/l
D043	Vinyl Chloride	<0.2 mg/l

TCLP SEMI-VOLATILE ORGANIC COMPOUNDS

EPA Waste Code	Analyte	Acceptance Limit
D023[4]	o-Cresol	<200.0 mg/l [4]
D024[4]	m-Cresol	<200.0 mg/l [4]
D025[4]	p-Cresol	<200.0 mg/l [4]
D030	2,4 Dinitrotolune	<0.13 mg/l
D032	Hexachlorobenzene	<0.13 mg/l
D033	Hexachloro-1,3 butadiene	<0.5 mg/l
D034	Hexachloroethane	<3.0 mg/l
D037	Pentachlorophenol	<100.0 mg/l
D038	Pyridine	<5.0 mg/l
D041	2,4,5-Trichlorophenol	<400.0 mg/l
D042	2,4,6-Trichlorophenol	<2.0 mg/l

4. If o,m,&p-cresol cannot be differentiated total cresol may be reported in place of individual compounds. Acceptance limit for total cresol is 200mg/l

TCLP PESTICIDES and HERBICIDES

EPA Waste Code	Analyte	Acceptance Limit
D020	Chlordane	<0.03 mg/l
D016	2,4-D	<10.0 mg/l
D012	Endrin	<0.02 mg/l
D031	Heptachlor	<0.008 mg/l
D013	Lindane	<0.4 mg/l
D014	Methoxychlor	<10.0 mg/l
D015	Toxaphene	<0.5 mg/l
D017	2,4,5-TP (Silvex)	<1.0 mg/l

OTHER PARAMETERS

Chemical Compound	Acceptance Limit
PCB	<50 mg/kg
PCB-Leachable	<10 ug/l in the extract
GRO	<200 mg/kg average total organic compound concentration
DRO	<200 mg/kg average total organic compound concentration
Percent Chlorine (%Cl)	<1.0%

ATTACHMENT 2

SPECIAL WASTE ACCEPTANCE PLAN

MONROE COUNTY RIDGEVILLE II LANDFILL
SPECIAL WASTE ACCEPTANCE PLAN
CATEGORIES, ANALYTICAL REQUIREMENTS AND DISPOSAL METHODS

						TCLP Parameters					
Category	Waste Name	Analysis to be determined case by case	No analysis required	MSDS	General Parameters	Metals	Volatile Organic Compounds	Semi-volatile Organic Compounds	Pesticides & Herbicides	Other Parameters & Notes	Disposal Method
1	**Foundry Wastes**										
a	Foundry Sand					X					B or F
b	Baghouse Dusts				BT,RW	X					B
c	Slag				BT,RW	X					B of F
d	Shot blast Dust & Media				BT,RW	X					B
2	**Sandblasting Sand**										
a	Painted Surfaces					X					B
b	Other Sandblasting Projects	X				X					B of F
3	**Glues/Adhesives/Plastics/Rubber**										
	Cured/Solidified										
a	Animal/Vegetable based glues			X	FL						B
b	Solvent based glues/adhesives			X	FP,FL		X				B
c	Inorganic adhesives (cement & mortar)			X							B
d	Mineral/Asphaltic			X	FP,FL		Benzene	Cresols			B
e	Silicones			X	FP,FL						B
f	Thermoplastic resins & adhesives			X	FP,FL						B
g	Thermosetting resins & adhesives			X	FP,FL						B
4	**Glass Wastes**										
a	Optical Glass					Pb					B
b	Automotive Glass					Pb					B
c	Residential Glass	X									B or F
d	Mirrored Glass					Pb,Cr					B
e	Sort Line Bypass Residual Glass					X					B or F
f	Other Specialty Glass					X					B

MONROE COUNTY RIDGEVILLE II LANDFILL
SPECIAL WASTE ACCEPTANCE PLAN
CATEGORIES, ANALYTICAL REQUIREMENTS AND DISPOSAL METHODS

						TCLP Parameters					
Category	Waste Name	Analysis to be determined case by case	No analysis required	MSDS	General Parameters	Metals	Volatile Organic Compounds	Semi-volatile Organic Compounds	Pesticides & Herbicides	Other Parameters & Notes	Disposal Method
5	**Catch Basin Wastes**										
a	Sanitary Sewer Grit & Screenings				FL						D
b	Car Wash Catch Basin Wastes				FL						B or F
c	Vehicle Maintenance Catch Basin Wastes				FP,C,RS,FL	Cd,Cr,Pb					B or F
d	Food Processing/Grease Trap Wastes										D
e	Industrial Catch Basin Wastes	X									B
6	**Street Sweepings**		X								B or F
7	**Water Supply Treatment Sludge's**				C,FL						B or F
8	**Municipal Waste Water Treatment Sludge's**				RS,FL	X				PCB,Cl	D
9	**Animals/Animal Wastes**		X								D
10	**Wood Wastes**										
a	Untreated/Unfinished Wood & Sawdust		X								B or F
b	Weathered Telephone Poles & Railroad Ties		X								B
c	Fresh Creosote Treated Wood					X	X	X			B
d	Fresh Pentachlorophenol Treated Wood					X	X	X			B
e	Fresh CCA Treated Wood					X					B
f	Finished Wood & Sawdust	X		X		X					B or F
11	**Used Oil Filters-non-tern plated & hot drained**		X								B
12	**Intake Air Filters**		X								B
13	**Food Stuffs & Food Processing Wastes**		X								A or D

MONROE COUNTY RIDGEVILLE II LANDFILL
SPECIAL WASTE ACCEPTANCE PLAN
CATEGORIES, ANALYTICAL REQUIREMENTS AND DISPOSAL METHODS

						TCLP Parameters					
Category	Waste Name	Analysis to be determined case by case	No analysis required	MSDS	General Parameters	Metals	Volatile Organic Compounds	Semi-volatile Organic Compounds	Pesticides & Herbicides	Other Parameters & Notes	Disposal Method
14	**Contaminated Soil Petroleum UST's**										
a	Leaded Gasoline					Pb	Benzene			GRO	F
b	Unleaded Gasoline						Benzene			GRO	F
c	Low Flash Petroleum Distillates						Benzene			GRO	F
d	Fuel Oils						Benzene			GRO	F
e	Lub Oils						Benzene			GRO	F
f	Used Oils					X	X			PCB,DRO	F
15	**Contaminated Soil Petroleum AST's & Spills**										
a	Leaded Gasoline					Pb	Benzene			GRO	F
b	Unleaded Gasoline						Benzene			GRO	F
c	Low Flash Petroleum Distillates						Benzene			GRO	F
d	Fuel Oils						Benzene			GRO	F
e	Lub Oils						Benzene			GRO	F
f	Used Oils					X	X			PCB,DRO	F
16	**Agricultural Wastes**										
a	Soils/Grains with known chemical contamination			X							B or F
b	Soils/Grains with unknown chemical contamination				ALL	X	X	X	X	PCB	B
c	Fertilizers			X	C,OX,RW						B
17	**Spill Residues**										
a	Non-industrial	X		X							B or F
b	Industrial Site			X	ALL	X	X	X	X	ALL	B or F
18	**Asbestos**		X								C
a	Building Demolition or Renovation			X		X					C
b	Industrial Process Wastes		X								B
c	No friable Asbestos (to be used for tracking only)										

ATTACHMENT 3

WASTE PROFILE SHEET

SPECIAL WASTE PROFILE SHEET
Monroe County Ridgeville II Landfill

1. Generator

Name: _____
Site Location: _____
City, State, Zip: _____
Contact: _____
Phone: _____
Fax: _____

2. Billing If Different from Generator

Name: _____
Address: _____
City, State, Zip: _____
Contact: _____
Phone: _____
Fax: _____

3. Description of Waste

Name of Waste: _____ Process Generation Waste: _____
Estimated Volume: _____
Frequency: _____
Physical State: _____ Color: _____ Free Liquids: _____
Flash Point: _____ pH: _____ Total Solids: _____

4. Other Waste Data or Pertinent Information

_____

_____

5. Sample Information:

Circle all that apply

Sample submitted with profile | Laboratory Analysis submitted | MSDS Sheet Submitted

Laboratory Name: _____ Sample Date _____ Sample I.D. _____

6. Generator Certification

a. This waste is not hazardous waste as defined in Wisconsin Administrative Code NR-605 or 40 CFR 261
b. This waste does not contain regulated quantities of PCB's
c. This waste does not contain regulated quantities of herbicides or pesticides
d. This waste does not contain regulated quantities of F500 solvents as specified in Wisconsin Administrative Code NR-605
e. This waste does not contain infectious wastes as defined on Wisconsin Administrative Code NR-526
f. All information submitted in this and all attached documents contain true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261-Appendix 1 and was obtained by using this or an equivalent sampling method. All relevant information regarding known or suspected hazards in the process of the generator has been disclosed

Generator's Signature _____ Title _____

Print Name _____ Date _____

7. Monroe County Solid Waste Department Approval

Solid Waste Mgr. Signature _____ Date _____

Waste Category _____ Analytical Protocol _____ Disposal Operation _____

Recertification Date _____

ATTACHMENT 4

APPROVAL REVIEW FORM

DISPOSAL METHODS

A. Co-disposal, no other restrictions on the placement of the waste

B. Co-disposal, waste shall not be placed within 10 feet of the base or sidewall drainage blanket

C. 24-hour notice required prior to acceptance

- Excavate trench into existing waste
- Unload waste into trench
- Cover with 3 feet of existing waste
- Operator must inspect each load of asbestos waste prior to unloading to ensure the integrity of the containers
- Trenches are to be located greater than 59 feet from the perimeter of the fill area, and greater than 10 feet from the base or side wall of the drainage layer
- Locate waste and record location coordinates in landfill plans

D. Co-disposal, cover immediately with lift of refuse upon receipt. Waste shall not be placed within 10 feet of the base or sidewall drainage blanket

E. Co-disposal, waste shall not be placed within 10 feet of the base or sidewall drainage blanket or within 10 feet of the outside slope of final waste grade

F. Use as daily cover

G. Co-disposal

- Waste shall not be placed within 10 feet of the base or sidewall drainage blanket or within 10 horizontal feet of the outside slope of final waste grade
- Material shall not be used as daily cover
- Materials shall not be commingled with any incompatible waste (ie. Waste soils containing organic solvents), including petroleum compounds and other oil or solvent containing wastes
- Materials shall be placed in such a manner that it: a) supports its own weight and the weight of any material placed over it without slumping, and b) maintains stable slopes.