



MARATHON COUNTY SOLID WASTE MANAGEMENT BOARD AGENDA

Date & Time of Meeting: **Monday, August 14, 2023, at 2:00 pm**

Meeting Location: Large Conference Room, 210 River Drive, Wausau, WI 54403

Marathon County Mission Statement: *Marathon County Government serves people by leading, coordinating, and providing county, regional, and statewide initiatives. It directly or in cooperation with other public and private partners provides services and creates opportunities that make Marathon County and the surrounding area a preferred place to live, work, visit, and do business. (Last updated: 12-20-05)*

Mission Statement: *To provide the residents, businesses, and organizations of the region with a cost effective, comprehensive integrated waste management system. The system consists of programming, education and consulting services on waste reduction, recycling, composting and hazardous waste management, along with landfill disposal, with landfill-gas-to-energy production.*

Members: Thomas Seubert – Chair, Jean Maszk - Vice-Chair, David Baker, Kerry Brimmer, Brad Lenz, Myron Podjaski, Dennis Gonnering, Ashley Lange, Allen Drabek

1. Call Meeting to Order

2. Public Comment

3. Approval of the Minutes of the July 10, 2023, Meeting

4. Educational Presentations / Outcome Monitoring Reports and Possible Action:

- A. Director/Operations Manager Report:
 - i. Oct 9th Recycling Education Presentation
 - ii. Viridi RNG Updates
 - iii. First Landfill Monitoring Committee Meeting – Review
 - iv. Tarping Requirements – Highway Litter (attached tarping reminder)
 - v. Leachate Treatment Status and Filter Disposal (attached PFAs support letter)
 - vi. Supporting General fund – Gas Royalty – Budget Development 2024

5. Policy Issues Discussion and Committee Determination to the County Board for its Consideration and Possible Action:

- A. Adding PFAs to Special Waste Acceptance Policy (attached Special Waste policy)
- B. Motion to go into Closed Session (roll call vote required), pursuant to Wis. Stat. s. 19.85(1)(e), for the purpose of conducting specified public business, whenever competitive or bargaining reasons require a closed session, to wit: contract negotiations relative to leachate hauling, clay procurement, and Area B airspace.
- C. Motion to return to open session (roll call vote not required)
- D. Discussion and possible action resulting from closed session discussion.

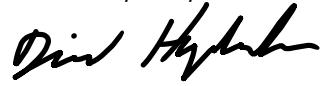
6. Next Regular Meeting Time, Location, Agenda Items and Reports to the County Board–

Committee Members are asked to bring ideas for future discussion; next meeting September 11, 2023

7. Announcements / Requests

8. Adjournment

Any person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk's Office at 715-261-1500 one business day before the meeting.

SIGNED /s/ 
Presiding Officer or Designee

EMAILED TO:
News Dept. at Daily Herald, TPP Printing, Marshfield News,
Midwest Radio Group, Record Review
Date: 08/10/2023 _____
Time: 10:30 am _____
By: LM _____
Date/Time/By: _____

NOTICE POSTED AT COURTHOUSE:
Date: _____
Time: _____ a.m. / p.m.
By: _____

Marathon County Solid Waste Management Board 2020-2025 Strategic Goals

1. Maximize economic opportunities from landfill operations.
2. Engage Marathon County residents and businesses to divert solid waste into productive use such as but not limited to hazardous household, food, and construction and demolition.
3. Make recycling easy and understandable.
4. Shift the paradigm to alternative uses for waste.
5. Influence state policy in order to make the highest and best uses of waste resources.



MARATHON COUNTY
SOLID WASTE MANAGEMENT BOARD

Minutes
July 10, 2023

<u>Attendance:</u>	<u>Present</u>	<u>Not Present</u>
Thomas Seubert - Chair		X
Jean Maszk – Vice Chair	X	
Myron Podjaski		X
Kerry Brimmer		X
Brad Lenz	X	
Allen Drabek	X	
David Baker	X	
Dennis Gonnering	X	
Ashley Lange		X

Also present: Dave Hagenbucher – Solid Waste Department (SWD); Shad Harvey – Conservation, Planning, and Zoning (CPZ)

1. Call to order

The agenda being properly signed and posted, and the presence of a quorum, the meeting was called to order at 2:01 pm by Vice-Chair Maszk in the large conference room, 210 River Drive, Wausau, WI 54403.

2. Public Comment

Hagenbucher commented while attending the Balloon Rally over the weekend he noticed Recycling containers that were being used correctly, commending the event for properly recycling.

3. Approval of the minutes from the June 12th, 2023, meeting

Action: MOTION / SECOND BY DRABEK/GONNERING TO APPROVE THE JUNE 12, 2023, MINUTES. MOTION CARRIED BY VOICE VOTE, NO DISSENT.

4. Educational Presentations / Outcome Monitoring Reports and Possible Action.

A. Director’s Report

i. Viridi RNG Updates

Hagenbucher stated no updates from last month, but noted the flair blower RFP was just sent to Viridi for their review. The final document is expected to be returned by the end of the week in hope to be able to submit at the beginning of next week. Drabek asked when the RNG facility is operational will a flair be needed. Hagenbucher expressed flair infrastructure is needed incase the RNG System goes down or market changes occur. Vice Chair Maszk asked if there will be less odor. Hagenbucher responded they are taking steps to reduce odor however there will always be odor associated with the landfill.

ii. Bomag Compactor Engine Rebuild

Hagenbucher stated Miller Bradford is rebuilding the engine at no cost to the County.

iii. Scale Upgrade Timeline

Hagenbucher described the historical use and installation timeline of the scale. Explaining they have an inbound and outbound scale and the importance of having both. Hagenbucher described options to replace/repair the old inbound scale. He expects the scale could last up to two years but could potentially be shut down at any time. Next month he will provide numbers for repair and replacement of the inbound scale.

iv. Shop and HHW Building Evaluation

Hagenbucher explained options to utilize the RNG building that currently is not being used. He will keep the board updated with forthcoming ideas on how to utilize the building.

v. PFAs Updates

Hagenbucher described history of leachate disposal with the City of Wausau and explained that they haven't taken leachate waste for 2 years. One of the cities concerns is PFAs among other items. He explained that they need to get DNR representatives together so there is a better understanding of the issues the industry is having. Hagenbucher expressed the need to look into leachate treatment to see what would best benefit the County. He further discussed the possibility of federal funding being directed to municipal landfills to help with PFAs issues. Hagenbucher asked the board for approval to start regulating incoming special waste streams for PFAs and asked for the boards opinion. Vice Chair Maszk expressed some of the responsibilities should be put on the area manufactures not just the landfill. Hagenbucher asked for a motion from the board to add a policy item on the next meeting agenda to evaluate the need to add PFAs testing to the special waste acceptance protocol.

**Action: MOTION / SECOND BY MASZK/GONNERING TO ADD EVALUATING THE NEED TO ADD PFAS TESTING TO THE SPECIAL WASTE ACCEPTANCE PROTOCOL ON THE AUGUST 14TH MEETING AGENDA
MOTION CARRIED BY VOICE VOTE, NO DISSENT.**

Follow Through:

Add closed session to August 14th agenda under item 5.

vi. Existing disposal and hauling contract

Hagenbucher expressed the need go into closed session for items related to existing contracts. Vice Chair Maszk stated the closed session would need to be on the agenda for next month. Hagenbucher gave a general overview regarding the contracts and stated the closed session will help discuss contract details.

Follow Through:

Add closed session to August 14th agenda.

5. Policy Issues Discussion and Committee Determination to the County Board for its Consideration and Possible Action:

A. None

6. Next Regular Meeting Time, Location, Agenda Items and Reports to the County Board

Board members are asked to bring ideas for future discussion; next meeting August 14, 2023, at 2 pm, in the Large Conference Room, 210 River Drive, Wausau, WI, 54403.

Vice Chair Maszk requested members to come to the next meeting in person as closed session cannot be done virtually.

7. Announcements / Requests


A. None

8. Adjournment

There being no further business to come before the members **MOTION /SECOND BY DRABEK/LENZ TO ADJOURN THE MEETING AT 2:39 PM. MOTION CARRIED BY VOICE VOTE, NO DISSENT.**



marathoncountysolidwaste.org

 marathoncountysolidwaste

Marathon County Solid Waste Department

172900 Hwy 29
Ringle, WI 54471

Director:	715-446-3101 X104
Site Supervisor:	715-446-3101 X102
Administrative Office:	715-446-3101 X100
Scale Master	715-446-3101 X103
Solid Waste & Recycling Info Line	877-270-3989 toll-free

Marathon County Solid Waste Department

Secured Load Reminder

All vehicles, trailers, or dumpsters carrying Solid Waste or Recycling to and across Marathon County roadways shall be covered or contained to prevent items from falling onto the roadway, right of way, or any portion of County property. Loads must be secured from the starting point all the way to the disposal location. Unsecured loads not only contribute to pollution but can also lead to significant safety concerns for other users of the road.

(A) State Regulations

- a. **State Law Wis. Stat. 348.10(2)** *No person shall operate a vehicle on a highway unless such vehicle is constructed and loaded as to prevent its contents from dropping, sifting, leaking or otherwise escaping therefrom.*
- b. **NR 502.06 COLLECTION AND TRANSPORTATION SERVICES OF SOLID WASTE** - *No person may operate or maintain a solid waste collection and transportation service except in accordance with the following minimum requirements: (d) Vehicles or containers used for the collection and transportation of solid waste shall be loaded and moved in such a manner that the contents do not fall, spill, or leak. Covers shall be provided to prevent littering and spillage.*

(B) Marathon County Ordinance

- a. **Sec. 9.52. – Littering** - *No person shall deposit or discharge any garbage, refuse, or litter on or along any highway, in any body of water in the county, on the ice of any body of water of the county, or on any other public or private property. (3)No person shall permit any garbage, refuse, or litter to be thrown from a vehicle operated by the person*
- b. **Sec. 9.53. - Unauthorized Dumping** - *No person shall dump, deposit, or cause to be deposited, dropped, placed, discharged, left, spilled, or scattered any hazardous waste, industrial waste, infectious waste, garbage, refuse, or other waste material upon any premises owned or leased by Marathon County*

(C) Unsecured Loads

- a. **Definition:** An unsecured load is defined by material that has not been fastened in or attached to the vehicle with tarps, ropes, straps, netting, or chains, to prevent any part of the load or the covering from becoming loose, detached, or leaving the vehicle while the vehicle is moving.
- b. **Methods:** Acceptable methods to secure a load include winch straps, ropes, or chains to secure bulky items to an open truck bed or trailer, a pick-up bed cover or truck topper, a tarp or large piece of carpet that has been secured with winch straps, ropes, chains, netting, or an enclosed truck or trailer. If garbage is in the bed of a truck and on a trailer, both parts of the load must be secured.

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Press Release: Gov. Evers, DNR Highlight Funding Available To Help Communities Address PFAS Contamination In Wastewater

State of Wisconsin sent this bulletin at 07/31/2023 07:30 AM CDT



Tony Evers

Office of the Governor | State of Wisconsin

FOR IMMEDIATE RELEASE: July 31, 2023

Contact: DNR Office of Communications DNRPress@wisconsin.gov

Gov. Evers, DNR Highlight Funding Available To Help Communities Address PFAS Contamination In Wastewater

MADISON — Gov. Evers, together with the Wisconsin Department of Natural Resources (DNR), recently announced new funding available to help communities address per- and poly-fluoroalkyl substances (PFAS) contamination in wastewater. The funds are made available to Wisconsin through the [Bipartisan Infrastructure Law](#).

“This new funding is a continuation of our efforts since 2019 to help make sure all Wisconsinites can trust that the water coming from their tap is safe and free from harmful contaminants like PFAS,” said Gov. Evers. “I encourage all eligible municipalities to apply for these funds so that we can get our state another step closer to eliminating PFAS contamination in our water systems once and for all.”

The state’s Clean Water Fund Program (CWFP) is a state revolving loan fund that provides financial assistance to municipalities for wastewater and storm water infrastructure projects by providing reduced-interest rate loans, and in some cases, additional subsidy in the form of principal forgiveness to reduce the size of a loan. The CWFP now includes funding dedicated to projects that address emerging contaminants, such as PFAS.

The [Clean Water Fund Program Intended Use Plan \(IUP\) for State Fiscal Year \(SFY\) 2024](#) provides in-depth information about available funding, including sources and uses of funds, project types, eligibility, loan terms, and federal requirements. The IUP identifies at least \$2.5 million in available funding for municipalities to complete wastewater or sewer system projects that reduce or eliminate PFAS contamination.

Potential projects could include:

- Sanitary sewer, storm sewer, or wastewater treatment plant building construction requiring groundwater dewatering in areas with PFAS-contaminated groundwater;

- Biosolids sampling and storage, processing, and/or disposal expenses for facilities seeking to investigate or address PFAS in biosolids;
- Public sanitary or storm sewer reconstruction or lining projects to reduce inflow and infiltration of PFAS-contaminated groundwater or stormwater;
- Landfill leachate treatment to remove PFAS at publicly owned landfills prior to discharge to a sanitary sewer or waters of the state;
- Development and implementation of best management practices to reduce PFAS concentrations in stormwater at publicly owned, PFAS-contaminated sites;
- PFAS removal at publicly owned treatment works (when all practicable source reduction efforts have been exhausted); and
- Groundwater remediation projects on publicly owned sites where a privately owned responsible party does not exist or has not been identified.

Project eligibility, scoring, and funding considerations are listed in detail in the IUP. To be eligible to apply for funding in SFY 2024, applicants must first submit a variance request by Aug. 15, 2023, as the Intent to Apply (ITA) deadline for this fiscal year has already passed.

Variance requests, including municipality name, the person requesting access, and their [WAMS ID](#), should be emailed to Ryan.Atkinson@wisconsin.gov. Instructions for obtaining a WAMS ID can be found on the DNR's [Online Systems](#) webpage. SFY 2024 applicants must then submit an ITA via the department's online system by Aug. 31, 2023, with a full application, including an approved facility plan and final plans and specifications, due by Sept. 30, 2023.

Applicants seeking funding available in SFY 2025 do not need to submit a variance request but should submit an ITA by Oct. 31, 2023, with a full application, including an approved facility plan and final plans and specifications, due Sept. 30, 2024.

More information regarding variance request, ITA, and application due dates will be provided in an upcoming webinar at 1 p.m. on Aug. 16, 2023. The webinar can be accessed through the [DNR's Project Lists and Intended Use Plans website](#) under the heading "SFY 2024 CWFPP".

Visit the [DNR website](#) to learn more about funding opportunities available to communities through the [Environmental Loans](#) program.

An online version of this release is available [here](#).

###

Office of the Governor • 115 East Capitol, Madison, WI 53702

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**Marathon County Solid Waste Department
Special Waste Analytical Protocol & Acceptance Criteria
Version 2: April 2014**

*Marathon County reserves the right to be more restrictive than any
acceptance criteria listed in this document.*

Protocol 1

(Foundry wastes; boiler ashes; ink wastes; paint wastes/sludges; metal treatment sludges; waste glues/adhesives/coatings; ceramic manufacturing wastes; metal & solvent contaminated soils; manufacturing related contaminated soils/clean-ups.)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	2.5 < pH < 12.0
Total solids	> 40%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
TCLP Metals ²	
arsenic	< 5.0 mg/1
barium	< 100.0 mg/1
cadmium	< 1.0 mg/1
chromium	< 5.0 mg/1
copper	< 100.0 mg/1
lead	< 5.0 mg/1
mercury	< 0.2 mg/1
nickel	< 35.0 mg/1
selenium	< 1.0 mg/1
silver	< 5.0 mg/1
zinc	< 200.0 mg/1
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Phenol	< 2000 mg/1
TCLP Organics ²	
benzene	< 0.5 mg/1
carbon tetrachloride	< 0.5 mg/1
chlorobenzene	< 100.0 mg/1
chloroform	< 6.0 mg/1
o-cresol	< 200.0 mg/1*
m-cresol	< 200.0 mg/1*
p-cresol	< 200.0 mg/1*
1,4-dichlorobenzene	< 7.5 mg/1
1,2-dichloroethane	< 0.5 mg/1
1,1-dichloroethene	< 0.7 mg/1
2,4-dinitrotoluene	< 0.13 mg/1
hexachlorobenzene	< 0.13 mg/1
hexachloro-1,3-butadiene	< 0.5 mg/1
hexachloroethane	< 3.0 mg/1
methyl ethyl ketone	< 200.0 mg/1
nitrobenzene	< 2.0 mg/1
pentachlorophenol	< 100.0 mg/1
pyridine	< 5.0 mg/1
tetrachloroethene	< 0.7 mg/1

trichloroethene	< 0.5 mg/l
2,4,5-trichlorophenol	< 400.0 mg/l
2,4,6-trichlorophenol	< 2.0 mg/l
vinyl chloride	< 0.2 mg/l

Notes:

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed; tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane; trichloroethene; chloroform; trichlorofluoromethane; Methylene chloride; o-dichlorobenzene; 1,1-dichloroethene; 1,1,1-trichloroethane; dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² For all parameters identified as requiring TCLP extraction, it is permissible to run a totals analysis first and if the parameter totals analysis is < 20 times the TCLP acceptance criteria, the TCLP analysis is not required.

* If o-, m- and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The acceptance criteria for total cresol is TCLP < 200.0 mg/l.

Protocol 2

(Pollution control wastes; grinding sludge; manufacturing remedial investigations)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	2.5 < pH < 12.0
Total solids	> 40%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
TCLP Metals ²	
arsenic	< 5.0 mg/l
barium	< 100.0 mg/l
cadmium	< 1.0 mg/l
chromium	< 5.0 mg/l
copper	< 100.0 mg/l
lead	< 5.0 mg/l
mercury	< 0.2 mg/l
nickel	< 35.0 mg/l
selenium	< 1.0 mg/l
silver	< 5.0 mg/l
zinc	< 200.0 mg/l
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Phenol	< 2000 mg/l
TCLP Organics ²	
benzene	< 0.5 mg/l
carbon tetrachloride	< 0.5 mg/l
chlorobenzene	< 100.0 mg/l
chloroform	< 6.0 mg/l
o-cresol	< 200.0 mg/l*
m-cresol	< 200.0 mg/l*
p-cresol	< 200.0 mg/l*
1,4-dichlorobenzene	< 7.5 mg/l
1,2-dichloroethane	< 0.5 mg/l
1,1-dichloroethene	< 0.7 mg/l
2,4-dinitrotoluene	< 0.13 mg/l
hexachlorobenzene	< 0.13 mg/l
hexachloro-1,3-butadiene	< 0.5 mg/l
hexachloroethane	< 3.0 mg/l
methyl ethyl ketone	< 200.0 mg/l
nitrobenzene	< 2.0 mg/l
pentachlorophenol	< 100.0 mg/l
pyridine	< 5.0 mg/l
tetrachloroethene	< 0.7 mg/l
trichloroethene	< 0.5 mg/l

2,4,5-trichlorophenol	< 400.0 mg/l
2,4,6-trichlorophenol	< 2.0 mg/l
vinyl chloride	< 0.2 mg/l
Polychlorinated Biphenyls (PCBs) ³	< 50 ppm

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed; tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane; trichloroethene; chloroform; trichlorofluoromethane; methylene chloride; o-dichlorobenzene; 1,1-dichloroethene; 1,1,1-trichloroethane dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² For all parameters identified as requiring TCLP extraction, it is permissible to run a totals analysis first and if the parameter totals analysis is < 20 times the TCLP acceptance criteria, the TCLP analysis is not required.

³ PCB analyses must include Arochlor 1016, 1221, 1232, 1242, 1248, 1254 and 1260 and the total of all of these must be < 50 ppm to meet the acceptance criteria.

* If o-, m- and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The acceptance criteria for total cresol is TCLP < 200.0 mg/l.

Protocol 3

(Waste water treatment plant wastes and sludges; sludges)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	$2.5 \leq \text{pH} \leq 12.0$
Total solids	> 20%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
Oil & Grease	< 2000 mg/l
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Phenol	< 2000 mg/l
TCLP Metals ²	
arsenic	< 5.0 mg/l
barium	< 100.0 mg/l
cadmium	< 1.0 mg/l
chromium	< 5.0 mg/l
copper	< 100.0 mg/l
lead	< 5.0 mg/l
mercury	< 0.2 mg/l
nickel	< 35.0 mg/l
selenium	< 1.0 mg/l
silver	< 5.0 mg/l
zinc	< 200.0 mg/l
TCLP Organics ²	
benzene	< 0.5 mg/l
carbon tetrachloride	< 0.5 mg/l
chlorobenzene	< 100.0 mg/l
chloroform	< 6.0 mg/l
o-cresol	< 200.0 mg/l*
m-cresol	< 200.0 mg/l*
p-cresol	< 200.0 mg/l*
1,4-dichlorobenzene	< 7.5 mg/l
1,2-dichloroethane	< 0.5 mg/l
1,1-dichloroethene	< 0.7 mg/l
2,4-dinitrotoluene	< 0.13 mg/l
hexachlorobenzene	< 0.13 mg/l
hexachloro-1,3-butadiene	< 0.5 mg/l
hexachloroethane	< 3.0 mg/l
methyl ethyl ketone	< 200.0 mg/l
nitrobenzene	< 2.0 mg/l
pentachlorophenol	< 100.0 mg/l
pyridine	< 5.0 mg/l
tetrachloroethene	< 0.7 mg/l
trichloroethene	< 0.5 mg/l

2,4,5-trichlorophenol	< 400.0 mg/l
2,4,6-trichlorophenol	< 2.0 mg/l
vinyl chloride	< 0.2 mg/l

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed; tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane; trichloroethene; chloroform; trichlorofluoromethane; methylene chloride; o-dichlorobenzene; 1,1-dichloroethene; 1,1,1-trichloroethane dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² For all parameters identified as requiring TCLP extraction, it is permissible to run a totals analysis first and if the parameter totals analysis is < 20 times the TCLP acceptance criteria, the TCLP analysis is not required.

* If o-, m- and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The acceptance criteria for total cresol is TCLP < 200.0 mg/l.

Protocol 4

(Petroleum related contaminated soils, spill clean-ups, and remedial investigations)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
a) All petroleum-related contaminated soils	
Free liquids	0%
Flash point	>140° F
Lead, leachable ¹	< 5.0 mg/l
Benzene, total ²	< 10 mg/kg
Leachable	< 0.5 mg/l
b) Gasoline/ Aviation fuel ³	
WI modified Gasoline Range Organics (GRO)	< 2,000 ppm
c) Diesel, and No. 1, 2 and 4 fuel oil	
WI modified Diesel Range Organics (DRO)	< 2,000 ppm
d) Crude oil, lubricating oil and No. 6 fuel oil	
WI modified DRO	< 2,000 ppm
e) Waste oil:	
WI modified GRO	< 2,000 ppm
WI modified DRO	< 2,000 ppm
Cadmium, TCLP	< 1.0 mg/l
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
f) Unknown petroleum:	
WI modified GRO	< 2,000 ppm
WI modified DRO	< 2,000 ppm
Cadmium, TCLP	< 1.0 mg/l
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg

¹ Total lead may be run first and if total lead is <100 mg/kg, then TCLP for lead is not required.

² Total benzene MUST be run first and if the total is > 10 mg/kg, then TCLP for benzene must be run to determine waste acceptability.

³ Marathon County reserves the right to not accept soil contaminated with gasoline or aviation fuel even when GRO levels are < 2,000 ppm.

Protocol 5

(Car wash catch basin sludge)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	2.5 < pH < 12.0
Total solids	> 40%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Oil & grease	< 2000 mg/l
Lead, leachable ¹	< 5.0 mg/l
Benzene, total ²	< 10 mg/kg
Leachable	< 0.5 mg/l
TCLP Metals ²	
arsenic	< 5.0 mg/l
barium	< 100.0 mg/l
cadmium	< 1.0 mg/l
chromium	< 5.0 mg/l
copper	< 100.0 mg/l
lead	< 5.0 mg/l
mercury	< 0.2 mg/l
nickel	< 35.0 mg/l
selenium	< 1.0 mg/l
silver	< 5.0 mg/l
zinc	< 200.0 mg/l

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed; tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane; trichloroethene; chloroform; trichlorofluoromethane; methylene chloride; o-dichlorobenzene; 1,1-dichloroethene; 1,1,1-trichloroethane dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² Total benzene MUST be run first and if the total is > 10 mg/kg, then TCLP for benzene must be run to determine waste acceptability.

Protocol 6

(Paper mill sludge)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	2.5 < pH < 12.0
Total solids	> 40%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
TCLP Metals ²	
arsenic	< 5.0 mg/1
barium	< 100.0 mg/1
cadmium	< 1.0 mg/1
chromium	< 5.0 mg/1
copper	< 100.0 mg/1
lead	< 5.0 mg/1
mercury	< 0.2 mg/1
nickel	< 35.0 mg/1
selenium	< 1.0 mg/1
silver	< 5.0 mg/1
zinc	< 200.0 mg/1
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Phenol	< 2000 mg/1
TCLP Organics ²	
benzene	< 0.5 mg/1
carbon tetrachloride	< 0.5 mg/1
chlorobenzene	< 100.0 mg/1
chloroform	< 6.0 mg/1
o-cresol	< 200.0 mg/1*
m-cresol	< 200.0 mg/1*
p-cresol	< 200.0 mg/1*
1,4-dichlorobenzene	< 7.5 mg/1
1,2-dichloroethane	< 0.5 mg/1
1,1-dichloroethene	< 0.7 mg/1
2,4-dinitrotoluene	< 0.13 mg/1
hexachlorobenzene	< 0.13 mg/1
hexachloro-1,3-butadiene	< 0.5 mg/1
hexachloroethane	< 3.0 mg/1
methyl ethyl ketone	< 200.0 mg/1
nitrobenzene	< 2.0 mg/1
pentachlorophenol	< 100.0 mg/1
pyridine	< 5.0 mg/1
tetrachloroethene	< 0.7 mg/1
trichloroethene	< 0.5 mg/1
2,4,5-trichlorophenol	< 400.0 mg/1

2,4,6-trichlorophenol	< 2.0 mg/l
vinyl chloride	< 0.2 mg/l
Polychlorinated Biphenyls (PCBs) ³	< 50 ppm

Notes:

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed;
Tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane;
Trichloroethene; chloroform; trichlorofluoromethane;
Methylene chloride; o-dichlorobenzene; 1,1-dichloroethene;
1,1,1-trichloroethane; dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² For all parameters identified as requiring TCLP extraction, it is permissible to run a totals analysis first and if the parameter totals analysis is < 20 times the TCLP acceptance criteria, the TCLP analysis is not required.

³ PCB analyses must include Arochlor 1016, 1221, 1232, 1242, 1248, 1254 and 1260 and the total of all of these must be < 50 ppm to meet the acceptance criteria.

* If o-, m- and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The acceptance criteria for total cresol is TCLP < 200.0 mg/l.

Protocol 7

(Dredged sediment materials)

<u>Analytical Parameter</u>	<u>Acceptance Criteria</u>
pH	2.5 < pH < 12.0
Total solids	> 40%
Free liquids (paint filter)	0%
Flash point (closed cup)	> 140°F
% Chlorine ¹	< 1%
TCLP Metals ²	
arsenic	< 5.0 mg/l
barium	< 100.0 mg/l
cadmium	< 1.0 mg/l
chromium	< 5.0 mg/l
copper	< 100.0 mg/l
lead	< 5.0 mg/l
mercury	< 0.2 mg/l
nickel	< 35.0 mg/l
selenium	< 1.0 mg/l
silver	< 5.0 mg/l
zinc	< 200.0 mg/l
Sulfide, total available (as H ₂ S)	< 500 mg/kg
Cyanide, total available (as HCN)	< 250 mg/kg
Phenol	< 2000 mg/l
TCLP Organics ²	
benzene	< 0.5 mg/l
carbon tetrachloride	< 0.5 mg/l
chlorobenzene	< 100.0 mg/l
chloroform	< 6.0 mg/l
o-cresol	< 200.0 mg/l*
m-cresol	< 200.0 mg/l*
p-cresol	< 200.0 mg/l*
1,4-dichlorobenzene	< 7.5 mg/l
1,2-dichloroethane	< 0.5 mg/l
1,1-dichloroethene	< 0.7 mg/l
2,4-dinitrotoluene	< 0.13 mg/l
hexachlorobenzene	< 0.13 mg/l
hexachloro-1,3-butadiene	< 0.5 mg/l
hexachloroethane	< 3.0 mg/l
methyl ethyl ketone	< 200.0 mg/l
nitrobenzene	< 2.0 mg/l
pentachlorophenol	< 100.0 mg/l
pyridine	< 5.0 mg/l
tetrachloroethene	< 0.7 mg/l
trichloroethene	< 0.5 mg/l
2,4,5-trichlorophenol	< 400.0 mg/l

2,4,6-trichlorophenol	< 2.0 mg/l
vinyl chloride	< 0.2 mg/l
Polychlorinated Biphenyls (PCBs) ³	< 50 ppm

¹ If chlorine is $\geq 1\%$, the total concentration of the following 12 compounds must be analyzed; tetrachloroethene; carbon tetrachloride; 1,1,2-trichloro-1,2,2-trifluoroethane; trichloroethene; chloroform; trichlorofluoromethane; methylene chloride; o-dichlorobenzene; 1,1-dichloroethene; 1,1,1-trichloroethane dichlorodifluoromethane; 1,2-dichloroethene

The acceptance criteria for these chlorinated compounds is met if the sum of the weight concentrations of these compounds is less than 1% of the total weight. (NR 661.31, Table II).

² For all parameters identified as requiring TCLP extraction, it is permissible to run a totals analysis first and if the parameter totals analysis is < 20 times the TCLP acceptance criteria, the TCLP analysis is not required.

³ PCB analyses must include Arochlor 1016, 1221, 1232, 1242, 1248, 1254 and 1260 and the total of all of these must be < 50 ppm to meet the acceptance criteria.

* If o-, m- and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The acceptance criteria for total cresol is TCLP < 200.0 mg/l.