

SWL&P MGP SITE Superior, Wisconsin

GLLA FFS/RAOR Monthly Meeting February 7, 2022

Agenda

No.	Description	Facilitator	Involvement	Duration
1.	Safety	Steve G.	Information	2 minutes
2.	Introductions	Erin/All	Information	5 minutes
3.	Project Overview	Erin/Steve G.	Information	10 minutes
4.	FFS/RAOR Outline	Jill	Information	10 minutes
5.	Preliminary PDI Results	Erin	Information/ Input	20 minutes
7.	Next Steps/Action Items	Erin/All	Input	10 minutes

Foth

Safety



Winter Walking - Slips & Fall Prevention

- Be Prepared and Cautious
- Choose footwear with good traction
- Use small steps/strides and walk slowly
- Walk on designated walkways when possible
- Keep hands out of pockets, use handrails, and don't carry heavy objects
- Make sure there are no approaching vehicles before stepping off curb
- When entering a building, be sure to use floor mats and boot cleaners to remove moisture from the soles of your shoes
- Choose your path carefully to avoid wet or slippery floors



Introductions



Introductions

SWL&P/ALLETE Team

- Greg Prom, Jamie Mehle, Joscy Skandel, Sarah Whiting, and Eric Halverson
- Foth: Steve Garbaciak, Erin Hughes, and Jill Dekart

USEPA GLNPO Team

Meaghan Kern and Christopher Klinkhamer

WDNR Team

John Sager, Chris Saari, and Joe Graham

Project Overview



Former MGP Location





Regulatory Status

- WDNR Bureau of Remediation and Redevelopment Tracking System (BRRTS) #02-16-275446
- Environmental Investigations Ongoing since 2001
 - Site Investigation Report (Foth, 2019)
- Remedial Action Options Report (RAOR) Drafted by Foth in 2019
- SWL&P decided not to submit RAOR and conduct Pre-Design Investigation (PDI) to reduce uncertainties and refine RA cost estimate for both the upland and in-water portions of the Site.
- PDI conducted by Foth in 2020
 - Upland RAOR Finalized in February 2021, Upland Remedial Design (RD) close to completion
 - In-Water work was entered into GLLA in November 2021 and SWL&P is now preparing FFS/RAOR



Legacy Act Project

- Initially, SWL&P is seeking Legacy Act funding to first undertake a FFS/RAOR evaluation of potential remedial options and, upon selection of the preferred remedial approach, to undertake the design of the remedy to be implemented in the adjacent slip to the SWL&P property within the St. Louis River AOC.
- This proposed funding will be utilized to complete the FFS/RAOR and RD for sediment remedial action that will address contaminated sediment in the Project area, though SWL&P envisions a partnership with GLNPO that extends into remedial action (RA).

Scope of Work

Task 1- FFS/RAOR

- Summary of Nature and Extent of Contamination, including 2020 PDI results
- Remedial Technology Identification and Screening
- Evaluation of Remedial Options
- Recommendation of a Remedial Option

Task 2- Remedial Action Design Report

- 30% Remedial Action Design Briefing Check-In
- 60% Remedial Action Design
- Final Remedial Action Design

Scope of Work

Task 3- Bid Procurement Package

- Draft Bid- Ready Plans and Technical Specifications
- Co-Host Pre-Bid Site Walk (upon request from GLNPO)
- Support to GLNPO on its Responses to Bidder Inquiries (upon request from GLNPO)

• Task 4- Permit Applications

- Pre-app meetings during 60% Remedial Action Design development
- Final applications prepared with Final Remedial Action Design

In-Water Schedule

- Nov. 2021 Kick off meeting
- Apr. 2022 Target date for approval of FFS/RAOR
- May 2022 30% Remedial Action Design Check-In
- Aug. 2022 60% Remedial Action Design submittal
- Oct. 2022 Final Remedial Action Design/Permit Application Submittal
- Dec. 2022 May 2023 Contractor procurement
- Jun. 2023 Start in-water construction
- Oct. 2023 Complete in-water construction



Section 1 Introduction

- 1.1 Purpose
- 1.2 Site Description
- 1.3 Site History and Project Background
- 1.4 Regulatory Status

Section 2 Conceptual Site Model

- 2.1 Physical Site Characteristics
- 2.2 Nature and Extent of Contamination

Section 3 Remedial Action Objectives

- 3.1 Remedial Approach
- 3.2 Remediation Target Development
- tPAH cleanup goal of 12.205 mg/kg = MEC

Section 4 Identification and Selection of Remedial Technologies

- 4.1 List of Possible Technologies
- 4.2 Screening of Remedial Technologies
- 4.3 Description of Sediment Remedial Action Options

Section 5 Remedial Options Evaluation

- 5.1 Definition of Evaluation Criteria
- 5.2 Evaluation of Sediment Remedial Options
- 5.2.1 Remedial Option A No Further Remedial Action
- 5.2.2 Remedial Option B Dredging and Off-Site Disposal
- 5.2.3 Remedial Option C Target Dredging/Capping and Off-Site Disposal
- 5.3 Comparative Analysis of Sediment Options

Section 6 Selected Remedial Action

- 6.1 Summary of Selected Action
- 6.2 Proposed Schedule
- 6.3 Cost Estimate
- 6.4 Sustainability

Preliminary PDI Results



Preliminary PDI Results

- Sediment chemistry data has been validated
- Photo logs and gINT logs prepared
- Geotechnical samples submitted to laboratory
- 3D delineation model underway
- Slope stability calculations underway
- FFS/RAOR under development

Pre-PDI tPAH Results





Updated tPAH Results



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Next Steps



Next Steps

- March meeting
 - Update on remedial options development
 - Delivery date for Draft FFS/RAOR
- Feedback needed
 - FFS/RAOR outline meets NR 722 requirements
- Set up web portal