

## **Post-closure Plan**

### **Unit 3 Landfill**

#### **Sherburne Country Generating Plant**

Revision No: 2

Revision Date: July 7, 2023

### **Introduction**

This plan describes the post-closure care maintenance requirements for the Unit 3 Landfill (U3LF) at the Sherburne County Generating Plant (Sherco) in Becker, Minnesota. U3LF is currently permitted by the Minnesota Pollution Control Agency under Permit Number SW-293. This plan has been revised to include the construction of the Cell 4 lateral expansion of the landfill, which qualifies as a “new coal combustion residual (CCR) landfill” according to 40 CFR Section §257.53, since it is a lateral expansion of an existing CCR landfill. This document complies with the requirements of 40 CFR §257.104 and Permit Number SW-293.

Closure of U3LF will occur over many phases. Once final closure of U3LF occurs the post-closure care period will commence. Details of post-closure inspections, maintenance, and groundwater monitoring are provided below.

### **§257.104 (b) Inspections and Maintenance**

Following final closure, a routine inspection of the U3LF final cover will be conducted during the spring and fall of each year. The inspection will include an evaluation of the final cover for settlement, erosion and quality of vegetation, and inspection of stormwater control systems.

If needed, post-closure maintenance of the landfill will consist of the following:

1. Maintaining the integrity and effectiveness of the final cover system, including making repairs to the final cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and preventing run-on and run-off from eroding or otherwise damaging the final cover.
2. Maintaining the integrity and effectiveness of the leachate collection and removal system and operating the leachate collection and removal system in accordance with §257.70
3. Mowing vegetative cover as necessary to prevent growth of woody vegetation.

Groundwater monitoring will be conducted in accordance with §257.90 through §257.98. During groundwater sampling events, the groundwater monitoring system will be inspected to verify it is properly functioning.

#### **§257.104 (c) Post-closure Care Period**

Post-closure inspections, maintenance and groundwater monitoring will be conducted in accordance with §257.90 through §257.98, and §257.104 for 30 years after final closure of U3LF unless the monitoring program is operating under assessment monitoring at that time. If U3LF is in assessment monitoring, groundwater monitoring will continue until U3LF has returned to detection monitoring.

At the conclusion of either the 30-year time period, or a return to detection monitoring from assessment monitoring after the 30-year period since final closure has concluded, the post-closure care period will end.

#### **§257.104 (d)(i) Post-closure Care**

Post-closure care will be executed as described in Section “§257.104 (b) Inspections and Maintenance” of this plan and as described in the *Closure/Post-Closure Care Plan* (Carlson McCain, 2013) located in the facility’s MPCA Permit Documents and operating record.

#### **§257.104 (d)(ii) Contact Information**

The contact during the Post-closure period is:

Name: Sherco Plant Director  
Address: 13999 Industrial Blvd, Becker MN 55308  
Telephone: 763.261.3110  
Email: [Michelle.neal@xcelenergy.com](mailto:Michelle.neal@xcelenergy.com)

#### **§257.104 (d)(iii) Planned Uses of Property**

The present site owner and operator, Xcel Energy, will not allow use of the site for activities that would be considered to be detrimental to the maintenance of adequate final earth and vegetative cover, surface water drainage systems, leachate collection systems, and groundwater monitoring wells.

#### **§257.104 (d)(3) Amendment of Post-closure plan**

At least 60 days prior to any planned change and no later than 60 days after an unanticipated event that substantially affects this plan, amendments to this Post-closure Plan will be completed, placed in the facility’s operating record, and posted on the CCR website. If an event warrants a change to this plan

after post-closure activities have commenced, the plan will be amended no later than 30 days after the event. Amendments to the Post-closure Plan will be certified by a qualified professional engineer.

**§257.104 (e) Notification of completion of post-closure plan**

No later than 60 days following the completion of the post-closure care period in accordance with §257.104 (c), a notification of completion of post-closure care will be prepared and certified by a qualified professional engineer. Post-closure care will be considered complete when this notification is made.

## Certification

I hereby certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.



Daniel J. Riggs, PE  
License No. 49559

July 7, 2023

Date

**References**

Carlson McCain, Inc. (October 2013), “Closure/Post-Closure Plan, Application for Permit Reissuance, Unit 3 AQCS Solids Landfill” Permit Application Document, Maple Plain, Minnesota.