

Post-Closure Plan

Alma Offsite Disposal Facility, Phase IV Landfill Alma, Wisconsin

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Prepared For Dairyland Power Cooperative

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Revision History

REVISION NUMBER	REVISION DATE	SECTION REVISED	SUMMARY OF REVISIONS

Section 1 Introduction

This Post-Closure Care Plan (Plan) was prepared by TRC Environmental Corporation (TRC) on behalf of Dairyland Power Cooperative (DPC) for the Alma Offsite Disposal Facility, Phase IV Landfill (Landfill) where coal combustion residuals (CCR) are disposed. The approximately 32.1 acre Landfill is located in Sections 18 and 19, T21N, R12W, Town of Belvidere, Buffalo County, Wisconsin. DPC owns and operates the landfill in compliance with the Plan of Operation as permitted by the Wisconsin Department of Natural Resources.

This Plan meets the post-closure care requirements of the United States Environmental Protection Agency's (USEPA) CCR Rule, Title 40 Code of Federal Regulations (40 CFR) Parts 257 and 261 Subpart D - "Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments." Post-closure care requirements apply to the owners or operators of CCR landfills subject to closure criteria under 40 CFR 257.102. After the Landfill has received the last known final volume of CCR or the last known volume of CCR is removed for beneficial reuse, DPC plans to close it by leaving the CCR in place. Closure by leaving CCR in place consists of installing a final cover system in compliance with 40 CFR 257.102(d) and installing a vegetative cover.

2.1 Post-Closure Period

Following closure of the CCR landfill, the site owner is required to maintain and monitor the closed site for a minimum of 30 years. The post-closure period begins on the date identified in the notification of closure of the CCR unit as required by 40 CFR 257.102(h). Post-closure care will be provided to maintain integrity and effectiveness of the final cover system, the leachate collection system in accordance with 40 CFR 257.70(d), and groundwater monitoring system in accordance with 40 CFR 257.90 through 40 CFR 257.98.

2.2 Post-Closure Contact

The post-closure contact for this facility will be:

Manager, Water and Waste Programs Dairyland Power Cooperative 3200 East Avenue South La Crosse, WI 54601

Phone: 608-787-1311

ccrinfodesk@dairylandpower.com

2.3 Inspection, Monitoring and Maintenance

The site will be inspected annually during the post-closure care period. A written record of the inspection(s) will be made and retained in the operating record. The inspector will assess the condition and need for repair of the final cover, vegetation, monitoring points, and storm water control features.

Because the CCR is handled dry, moisture conditioned, and compacted in the Landfill, settlement of the final cover system is not anticipated. However, erosion may require minor final cover repairs. Areas of the final cover where ponding or erosion are observed will be repaired to maintain the integrity of the final cover system. Minor repairs may be required to maintain the integrity and functionality of the drainage structures, storm water controls, roads, monitoring points, etc.

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2.3.1 Vegetation Maintenance

During inspections, areas lacking vegetation where it is required will be noted. Reworked surfaces and areas of failed or eroded vegetation will be revegetated appropriately. Vegetation maintenance includes mowing. Mowing is not required where native prairie grass vegetative cover has been installed as previously approved by the Wisconsin Department of Natural Resources.

2.3.2 Storm Water Runoff Management System Maintenance

Erosion controls and avoiding ponding of water are addressed by the design, grading, construction, and establishing vegetation on the landfill final cover to ensure proper run-on and run-off of storm water. During site inspections, diversion berms, perimeter dikes, roads, slopes, and storm water sedimentation basins will be inspected for erosion, seeps, depressions, obstructions to flow, vegetation cover, and other maintenance concerns.

2.3.3 Leachate Collection System Maintenance and Monitoring

The leachate collection system will be maintained as needed during the post-closure care period. Features of the system that will be inspected include surface features, covers, controls, and leachate collection volumes. Leachate lines will be cleaned on an annual basis at a minimum. Leachate collected in the leachate collection tanks will be utilized on-site for approved activities or hauled to the DPC wastewater treatment plant (WWTP), located in Alma, Wisconsin or the La Crosse Waste Water Utility WWTP location in La Crosse, Wisconsin for treatment and disposal. Miscellaneous repairs will be performed on an as-needed basis to maintain the integrity and effectiveness of the system.

2.3.4 Groundwater Monitoring Well Maintenance and Monitoring

Groundwater monitoring wells will be sampled in accordance with the Groundwater Sampling and Analysis Program during the post-closure care period. Results will be presented in the annual Groundwater Monitoring and Corrective Action Report and posted to the publically accessible website in accordance with 40 CFR 257.90. Groundwater monitoring records will be maintained in the operating record. The groundwater monitoring system will be maintained throughout the post-closure care period.

2.4 Post-Closure Uses

After the Landfill is closed, the site will be secured and maintained by the owner as open green space and recreation. These uses do not conflict with long-term care plans for the area. The final use is intended to prohibit agricultural uses, building construction, and excavation of the final cover or CCR. These uses are protective of the final cover system and do not increase the potential threat to human health or the environment.

2.5 Post-Closure Care Termination

Post-closure care termination may be considered after a period of 30 years from the notification of closure. In the event that the Landfill is operating under assessment groundwater monitoring in accordance with 40 CFR 257.95, the Owner will continue to perform post-closure care and groundwater monitoring in accordance with 40 CFR 257.95 until the Landfill returns to detection monitoring.

No later than 60 days following completion of the post-closure care period, the owner or operator of the CCR landfill shall post the notification of completion of post-closure care period to the operating record in accordance with 40 CFR 257.104(e). Section 3 provides details on notification requirements.

2.6 Revision of the Post-Closure Plan

This Post-Closure Plan should be amended at least 60 days prior to a planned change that will substantially affect this plan or within 60 days of an unanticipated event after post-closure activities have commenced.

3.1 Operating Record

The following items will be maintained in the operating record for a minimum of five years:

- 40 CFR 257.105(h): applicable requirements for groundwater monitoring
- 40 CFR 257.105(i)(12): the current post-closure plan and any amendment of the plan; the current version of the post-closure plan will be maintained in the facility's operating record irrespective of time,
- 40 CFR 257.105(i)(13): the notification of completing post-closure care
- Quarterly inspection reports

3.2 Notification Requirements

The following required notifications will be provided before the close of business on the day the notification is required to be completed:

- 40 CFR 257.106(h): applicable requirements for groundwater monitoring
- 40 CFR 257.106(i)(12): the availability of the written post-closure plan and any amendment of the plan
- 40 CFR 257.106(i)(13): the availability of completion of post-closure care

3.3 Publicly Accessible Internet Site

The following required items will be posted on the publicly accessible internet site:

- 40 CFR 257.107(h): applicable requirements for groundwater monitoring
- 40 CFR 257.107(i)(12): the written post-closure plan and any amendment of the plan
- 40 CFR 257.107(i)(13): the notification of completion of post-closure care

Information should be posted within 30 days of placing the pertinent information required by 40 CFR 257.105 in the operating record. Records will be made available to the public for at least five years following the date on which the information was posted on the internet site.

Section 4 Engineer's Certification

Pursuant to 40 CFR 257.104 and by means of this certification I attest that:

- (i) I am familiar with the requirements of the federal CCR rule (40 CFR 257);
- (ii) this Post-Closure Plan has been prepared in accordance with good engineering practice; and
- (iii) this Post-Closure Plan meets the requirements of 40 CFR 257.104(d).

For the purpose of this document, "certify" and "certification" shall be interpreted and construed to be a "statement of professional opinion." The certification is understood and intended to be an expression of my professional opinion as a Wisconsin licensed professional engineer, based upon knowledge, information, and belief. The statement(s) of professional opinion are not and shall not be interpreted or construed to be a guarantee or a warranty of the analysis herein.

Signature of Registered Professional Engineer

Registration No. 42745-6

State: Wisconsin