

# **ANNUAL DUST CONTROL REPORT**

## **Dairyland Power Cooperative Alma Offsite Phase IV Landfill**

### **December 2019**

#### **Introduction**

Dairyland Power Cooperative (DPC) has prepared this Annual Dust Control Report in accordance with 40 CFR 257.80(c) to document the following information for the Alma Offsite Phase IV Landfill (Phase IV Landfill) located near Alma, Wisconsin:

- Description of dust control procedures implemented at the Phase IV Landfill
- Summary of any concerns raised by stakeholders
- Description of any corrective actions taken

#### **Implementation of Dust Control Procedures**

During the last 12 months, dust control procedures have been implemented at the Phase IV Landfill, as discussed in the Dust Control Plan for the Alma Offsite Phase IV Landfill (Dust Control Plan), dated October 14, 2015. A dust control log has been maintained to document dust control during the reporting year. Typical dust control measures used in and around the landfill include, water spray within the active landfill as needed, wetting access roads, sweeping activities, use of covers on trucks, controls to limit tracking ash out of the landfill. A copy of the current Dust Control Plan is available in the DPC operating record and on the DPC internet site, as required by 40 CFR 257.105(g) and 257.107(g).

DPC is considering additional modifications to the landfill ash processing facility to improve dust control during ash load out and transfer to the landfill. A status report appears below:

- To improve the water flow to the mixer at the AOS, the leachate pump, which supplies water for mixing, was replaced in August. The old pump was discovered to be severely worn which reduced its pumping efficiency significantly. The previous flow rate was approximately 40 GPM, the current flow rate of the water is 72 GPM. This is more than enough for operating the mixer per UCC requirements.
- To improve ash flow consistency, ash processing is now performed once a week which allows ash to build up in the silo and results in greater head pressure when processing ash from G-3. The ash from JPM is no longer processed at the AOS, barring major equipment malfunctions, thus reducing the dust from JPM ash.
- In an effort to reduce the amount of fugitive dust, DPC replaced the existing UCC pug mill mixer in 2019 at the baghouse silo at the JPM facility at an expense of \$732,389. This mixer does seem to greatly improve the control of the mixing process and reduces the amount of fugitive dust, both at the mixing facility and at the landfill.

## **Stakeholder Correspondence**

During the last 12 months, the following concerns or complaints have been received by DPC:

- No concerns or complaints were received.

For each correspondence item above, follow-up communications were completed and records have been maintained by DPC (Note: none for this reporting period). If needed, corrective actions have been implemented as discussed under Corrective Actions.

## **Corrective Actions**

Based on inspections and/or stakeholder correspondence during the last 12 months, corrective actions have not been identified to improve dust control at the Phase IV Landfill. A summary of corrective actions, including completion date or status, is provided below.

- None.

## **Closing**

A copy of the most recent Annual Dust Control Report is available in the Facility operating record and on the DPC internet site, as required by 40 CFR 257.105(g) and 257.107(g). The DPC internet site also provides contact information and requests that stakeholders contact DPC with any concerns regarding dust controls at the Facility.