

Technical Memo



To: Geoff Strack, P.E., Waste Connections
From: Brad Sullivan, P.E., Wenck Associates, Inc.
Date: January 9, 2020
Subject: WCI Austin Landfill, LLC
2019 Annual CCR Fugitive Dust Control Report
Wenck Project #B3053-0181

Purpose

This memorandum fulfills the requirements of 40 CFR § 257.80(c) Annual CCR Fugitive Dust Control Report. The annual 2019 CCR site inspection was performed by Geoff Strack, P.E. from Waste Connections and Brad Sullivan, P.E. from Wenck, on November 6, 2019, which included the review of the CCR fugitive dust operations pursuant to the above referenced Rule.

Background and Applicability

WCI Austin Landfill, LLC owns and operates the WCI Austin Landfill, which is a Class III landfill facility that operates under MPCA Solid Waste Permit SW-514 that was originally issued in 1996. The facility is accessed via 52563 243rd St, Austin, MN, which is located off and State Highway 218, north of Austin, MN.

Landfill cells Phase 1 through 5 are currently permitted. Phase 1 is unlined and has not received any CCR material. Phase 2 is composite-lined with a portion constructed as an overlay liner on Cell 1's southern slope. Construction of Phase 4 was completed in 2018 and is immediately north of Phase 3. Currently operations are split between the upper lifts of Phase 2 and 3 and the initial lower lifts of Phase 4. The site began receiving CCR material in June of 2015 and it has all been placed in the various Phases 2 through 4.

Fugitive Dust Control Measures

The Facility's CCR Fugitive Dust Control Plan identifies dust suppression by the following means:

- ▲ Application of water by a water truck or spray hose, or by sprinklers;
- ▲ Burial of the CCR at the landfill working face;
 - For CCR disposed at the working face that is susceptible to fugitive dust generation, the CCR will be maintained in a limited space, and covered with waste or soil in a timely manner; and
- ▲ Other suitable methods of dust suppression include the use of tarps, dust suppression agents, or temporary soil cover.

Based on a review of site operational records and discussions with site operators, the primary means of Fugitive Dust Control employed in 2019 was to bury the CCR materials at the landfill working face. Operational practices such as expedient placement of daily and operational soil

cover limited the potential for generation of fugitive dust without the need for application of water or other conditioning agents. Fugitive dust emissions are monitored weekly by the site operators as part of the weekly CCR inspection to determine if the current operational practices are effective and appropriate.

During November 6, 2019, inspection, the above described operational practices were being employed and there was no noticeable fugitive dust.

Citizen Complaint Log

No citizen complaints regarding CCR fugitive dust were received by the Facility in 2019.

Notification Requirements

Per § 257.80(d), WCI Austin Landfill is in compliance with the recordkeeping requirements specified in § 257.105(g), the notification requirements specified in § 257.106(g), and the internet requirements specified in § 257.107(g).

Conclusions and Recommendations

No corrective measures were identified in the previous Annual CCR Fugitive Dust Control Report or in the weekly facility inspections. The measures described in the Facility's CCR Fugitive Dust Control Plan are effective for controlling CCR fugitive dusts. Thus, there are no recommendations for additional or revised CCR dust management operations at this time.