

**Coal Combustion Residual
Fugitive Dust Control Plan**



Revision 0

April 19, 2016

Dem-Con Landfill

SW-290

Louisville Township

Scott County, Minnesota

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1.0 INTRODUCTION

The Dem-Con facility is an existing landfill located in Section 16 and 21, Township 115, Range 23 in Louisville Township of Scott County. The landfill has been in operation since January 1986. The Minnesota Pollution Control Agency has permitted the landfill and issued the facility permit number SW-290. The facility is permitted to manage a wide variety of industrial waste material. Coal combustion residuals (CCR) are one of the waste streams the facility is permitted to manage. The disposal standards for CCR are covered under Subpart D 40 CFR, Part 257. This plan was developed to satisfy the specific requirements described in 40 CFR 257.80.

The landfill's composite lined cells are the only CCR units at the Dem-Con facility.

2.0 FUGATIVE DUST CONTROL BMP'S

CCR has the potential to cause fugitive dust emissions at the Dem-Con facility. CCR fugitive dust is solid airborne particulate matter that contains or is derived from CCR, and is emitted from any source other than a stack or chimney. Dem-Con is committed to preventing these fugitive dust emissions and has prepared the following list of BMP's that can be utilized to prevent these emissions:

2.1 Water: The single most effective means of controlling fugitive dust is the application of water. The Dem-Con facility will encourage all deliveries of CCR to be wetted prior to shipment to the facility. In the event CCR is delivered that has not been sufficiently wetted, water may be added to control fugitive dust

2.2 Vehicle Tarps: All vehicles that deliver CCR to the landfill should be either an enclosed tanker, or a vehicle that is covered prior to transport to the landfill.

2.3 Cover Material: CCR waste should not be exposed for extended periods of time. CCR material can become dry when exposed for an extended period of time. Upon receipt of CCR material the landfill will incorporate the CCR material into the working face. The CCR material on the working face will be covered with soil material or another waste material in a timely manner.

2.4 Vehicle Speed Control: Vehicle speed can affect the amount of fugitive dust generated in the landfill. Lower vehicle speed reduce the amount of dust generated. Therefore, the landfill has a posted speed limit of 15 MPH.

2.5 Limiting Landfill Operation During Extreme Weather: During extreme weather events landfill disposal of CCR material may be delayed until the conditions abate.

3.0 TRAINING

All employees assigned to work in the landfill area will be trained to observe and control CCR dust emissions. On an annual basis a refresher training will be conducted. The requirements of this plan will be covered and BMP's that can be used to control dust will be reviewed during this training. The training will be conducted by an individual familiar with the CCR rules.

4.0 RECORDS

All records will be maintained for 5 years as part of the facility operational record. Certain records including a copy of the Fugitive Dust Control Plan and all subsequent revisions will be available on the CCR website www.ccr-dem-con.com.

4.1 Fugitive Dust Control Log: An example of the Fugitive Dust Control log is attached to this plan as Appendix A. The log will be completed by an appropriate individual when dust emissions are observed. The individual completing the log will include the date and time of the observation and the BMP utilized to minimize the creation of the fugitive dust. This log will be maintained at the landfill for a period of at least 5 years.

4.2 Employee Training Log: An example of the Employee Training log is attached to this plan as Appendix B. The log will be completed by an appropriate individual when any dust emissions training is conducted. The individual conducting the training and the person or persons who are being trained will be recorded on the log. The log will include the date and time of the training. This log will be maintained at the landfill for a period of at least 5 years.

4.3 Citizen Complaint Log: All employees will be instructed to report any citizen complaint to Dem-Con Management. The complaint will be logged on the Citizen Complaint log attached as Appendix C to this plan. This log will include the date and time of the complaint, and the specific nature of the complaint. The name of the person complaining will also be recorded if known. This complaint log will be entered into the facility's operating record, and will be retained for five years

4.4 Fugitive Dust Control Plan: A copy of this plan and all subsequent plan updates will be placed on the CCR website www.ccr-dem-con.com. This plan will be amended if a substantial change in conditions, facility design, construction, operation or maintenance occurs. When any plan is placed on the CCR website, the MPCA will be given written notice of the update. The adequacy of this plan will be evaluated annually as part of the landfill's annual inspection and report.

4.5 Annual Fugitive Dust Evaluation: The first annual CCR Fugitive Dust Control Evaluation will be completed no later than July 1, 2016. This evaluation will be part of the landfill's annual inspection and report. Each subsequent inspection and report will be completed by June 30th of each year. The annual report will include an evaluation of the structural integrity of the landfill, the volume a CCR managed, a description of any actions taken by the facility to control fugitive dust, a record of any citizens' complaints, the effectiveness of the employee training program, and a summary of any corrective measures taken. This report will be placed on the CCR website www.ccr-dem-con.com. A copy of the annual inspection form and report is included as Appendix D of this plan.

5.0 PLAN CERTIFICATION

I certify that the information contained in this plan was prepared by me or under my direct supervision.
I further certify that this plan meets the requirements of 40 CFR Section 257.80.

William Keegan

Print Name

President

Title

41292

P.E. License No.

6/30/16

Expiration



Signature

4/26/16

Date

PROFESSIONAL ENGINEER

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.

Print Name: William Keegan

Signature: 

Date 4/26/16 License # 41292

Figure 1 Site Map



Appendix D Annual Inspection and Report

Dem-Con Landfill, Shakopee, MN SW 290 // Annual Inspection of Landfill receiving CCR		
Inspection Date & Inspector		
Is the landfill structure stable	Y/N	Comments:
Volume of CCR Managed (CY)		
Citizens Complaint Log Maintained	Y/N	Comments:
Employee Training Program Maintained	Y/N	Comments:
Were any actions taken to manage fugitive dust?	Y/N	Comments:
Were any corrective measures taken during the last year?	Y/N	Comments: