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<tr>
<th>Abbreviation</th>
<th>Definition</th>
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<tr>
<td>ADF</td>
<td>Ash Disposal Facility</td>
</tr>
<tr>
<td>CCR</td>
<td>Coal Combustion Residuals</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>PSCo</td>
<td>Public Service Company of Colorado</td>
</tr>
</tbody>
</table>
1.0 General Information

Valmont Station is located at 1800 North 63rd Street, Boulder, Colorado, approximately 4 miles east of downtown Boulder. The Ash Disposal Facility (ADF) is located on the Valmont Station Power Plant site approximately 0.5 mile north of the power plant on the northern side of the Leggett Reservoir.

Figure 1 is a site map of the Valmont Power Station.

The ADF has been in use since 1993. The total ADF area encompasses approximately 60 acres; of which 53 acres is utilized for CCR disposal. The majority of waste disposed at the facility is coal combustion residuals (CCR) (bottom ash and fly ash) generated at the Valmont Station Power Plant. Scrubber solids from air emissions control equipment are commingled with the fly ash.

Valmont Station is expected to close in 2017 and closure of the ADF will be completed within the timeframes described in this plan. Post-closure maintenance and monitoring will commence when the ADF’s final cover is installed and certified.

In accordance with 40 Code of Federal Regulations (CFR) 257 Disposal of Coal Combustion Residuals From Electrical Utilities (CCR Rule) §104(d), Public Service Company of Colorado (PSCo) is required to publish a Written Post-Closure Plan that describes the post-closure maintenance and monitoring for the landfill throughout the 30-year post closure care period.

This plan fulfills 40 CFR 257.104(d) that requires:

(i) A description of the required monitoring and maintenance activities and the frequency at which activities will be performed;

(ii) The name address, telephone number and e-mail address of the person or office to contact about the facility during the post-closure care period; and

(iii) A description of the planned uses of the property during the post-closure period.

2.0 Monitoring and Maintenance – §257.102(d)(i)

The Valmont ADF is being capped as cells reach final capacity. Ongoing closure activities are occurring. The minimum 30-year Post-Closure Period will begin once the landfill is completely closed and the final cap has been installed on any remaining areas. Site monitoring and maintenance consists of semi-annual groundwater monitoring, periodic inspections, and scheduled and periodic maintenance activities.

2.1 Groundwater Monitoring

Consistent with the requirements of 40 CFR §257.90 through 257.98, PSCo prepared a site specific groundwater monitoring system and plan. The groundwater monitoring system, sampling, analytical analysis, and reporting procedures are described in the Groundwater Monitoring System Certification as posted to the facility CCR Operating Record.

All sampling, packaging, shipping, testing and reporting during the post-closure care period will be in accordance with the facility’s Groundwater Monitoring System Certification. Figure 2 shows monitoring well locations.
Figure 1. Site Location Map
Figure 2. Groundwater Monitoring Well Locations
2.2 Landfill Maintenance

PSCo will be responsible for the overall maintenance of the landfill once it is closed. PSCo will conduct site inspections not less than semi-annually. Specific items on the closed CCR landfill surface which require observation are:

- Erosion effects/side slope sloughing and rills;
- Vegetation deterioration;
- Settling/subsidence areas; and
- Washouts.

Locations of noteworthy observations will be recorded on a site map with reference (distance) to easily recoverable site features such as monitoring wells or downchutes.

Routine final cover maintenance will include reseeding as necessary. Bare, sparsely covered, and drought-damaged areas shall be reseeded as soil moisture content returns to normal levels.

Simple maintenance related to the items identified above may include the following:

- Fill ruts and gullies in eroded side slope areas and regrade to match design condition.
- Fill and grade areas of subsidence on the final cap with soils to match existing surface grading.

Localized subsidence or surface depressions (visual or as evidenced by the presence of puddles following a rainstorm) will require backfilling and regrading to proper drainage.

Drainage swales should be checked for the presence of obstructions, erosion, ponding of water, and excessive siltation.

Routine drainage swale maintenance will include clearing obstructions, and cleaning of silt and debris. When accumulated debris/silt obstruct flow, the sediment will be removed using mechanical means. Drainage swales may also need regrading or reconstruction to eliminate standing water.

Groundwater monitoring wells will be visually inspected for the following at each monitoring event:

- Erosion or biotic intrusion around the base;
- Damage to locking well caps;
- Integrity of well seals; and
- Integrity of any well markers or protective structures.

Areas of erosion at groundwater monitoring wells will be filled with compatible soil materials graded to drain and covered with vegetative growth. Damaged well caps, concrete pads, and well seals should be repaired and/or replaced. Wells damaged below grade levels may need to be evaluated further and possibly replaced.

At the conclusion of the post-closure monitoring period, all monitoring wells will be abandoned in place.
3.0 Post–Closure Site Contact – §257.104(d)(ii)

In accordance with 40 CFR §257.102(d)(ii), the owner must provide the name address, telephone number, and e-mail address of the person or office to contact about the facility during the post-closure care period.

Valmont Station ADF is owned and operated by PSCo, 1800 Larimer Street, Denver, Colorado 80202. Table 1 lists personnel associated with the site and their responsibilities.

<table>
<thead>
<tr>
<th>Name</th>
<th>Telephone</th>
<th>Department</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jennifer McCarter</td>
<td>303-294-2228</td>
<td>Environmental Services</td>
<td><a href="mailto:Jennifer.McCarter@xcelenergy.com">Jennifer.McCarter@xcelenergy.com</a></td>
</tr>
</tbody>
</table>

Table 1. Current Personnel Responsibilities

4.0 Post-Closure Use – §257.104(d)(iii)

In accordance with 40 CFR §257.104(d)(iii), the post closure plan must provide a description of the planned uses of the property during the post-closure period.

There is no current post-closure use planned for the Valmont ADF. The stabilized capped landfill will be open range for wildlife and other passive uses. The ADF is located entirely on the fenced and secured property owned by PSCo.

5.0 Schedule of Closure Activities

<table>
<thead>
<tr>
<th>Task</th>
<th>Start Date</th>
<th>Finish Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Closure Plan</td>
<td>October 17, 2016</td>
<td>October 17, 2016</td>
</tr>
<tr>
<td>Written Post-Closure Plan</td>
<td>October 17, 2016</td>
<td>October 17, 2016</td>
</tr>
<tr>
<td>Last Receipt of CCR</td>
<td>On-going</td>
<td>April 30, 2022</td>
</tr>
<tr>
<td>Landfill Closure</td>
<td>On-going</td>
<td>October 30, 2022</td>
</tr>
<tr>
<td>Annual Inspections</td>
<td>November 2015</td>
<td>Year 2022</td>
</tr>
<tr>
<td>Fugitive Dust Plan</td>
<td>November 2015</td>
<td>Year 2022</td>
</tr>
<tr>
<td>Post Closure Maintenance</td>
<td>Year 2022</td>
<td>Year 2052 (minimum)</td>
</tr>
</tbody>
</table>

Note: CCR from closures of on-site CCR surface impoundments will be disposed of at the ADF. The CCR surface impoundment closure must be completed no later than April 2022. If necessary to accommodate receipt of ash from the impoundment closure, notification of two year extension(s) for closure of the landfill will be made pursuant 257.102(e)(2)(ii) and 257.102(e)(2)(iii).
6.0 Certification – §257.104(d)(4)

In accordance with 40 CFR §257.102(d)(4), the owner or operator of the CCR unit must obtain a written certification from a qualified professional engineer that the initial and any amendment of the written post closure plan meets the requirements of this section.

I, Christopher M. Koehler, being a registered Professional Engineer, in accordance with the Colorado State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors, do hereby certify to the best of my knowledge, information and belief, that the information contained in this written Closure Plan dated October 17, 2016, was conducted in accordance with the requirements of 40 CFR § 257.102(d), is true and correct and was prepared in accordance with recognized and generally accepted good engineering practices.

SIGNATURE:

Colorado PE 0051359

DATE: October 14, 2016