CHOLLA POWER PLANT
ANNUAL CCR DUST PLAN REPORT §257.80(c)
SITEWIDE
CH_DustAnRpt_20221209

December 09, 2022

Re: Annual CCR Fugitive Dust Control Report – Cholla Power Plant, Joseph City, AZ

Arizona Public Service (APS) submits the following Annual CCR (Coal Combustion Residuals) Fugitive Dust Control Report as per 40 CFR Part 257.80. This report contains a description of the actions taken by the owner or operator to control CCR fugitive dust, a record of all citizen complaints, and a summary of any corrective measures taken. A periodic review of the dust control plan and an assessment of effectiveness of the dust control plan were also performed on December 9, 2022. The results of the review and assessment are summarized in this report.

CCR Dust Activities and Control Measures

Activity	Control Measure(s)
1. Bottom ash material screening and stacking from Salt River Materials Group (SRMG) screening operation	This is a wet process performed in the boundary of the CCR surface impoundment.
2. Removal of raw bottom ash from pond for sale as beneficial re-use.	Bottom ash is wet as it is removed from pond in small amounts and allowed to dewater prior to loading onto trucks for transport offsite.
3. Loading bottom ash material to haul trucks	Bottom ash shall have sufficient moisture content to minimize emissions.
4. Movement of bottom ash to Bottom Ash Monofill from Bottom Ash Pond	Bottom ash shall have sufficient moisture content to minimize emissions but will not have any free liquids. CCR material is covered with soil prior to CCR material becoming dry.
5. Collecting bottom ash from boilers and transport to ponds via pipeline	This is a wet process and pipelines are enclosed.
6. Removing bottom ash from boilers manually during breakdown of bottom ash removal system	Bottom ash removed from the boiler is saturated. The material is dewatered in a contained environment until no free liquid remains but will have sufficient moisture remaining to minimize emissions and then is transported to the Bottom Ash Pond.
7. Collection and disposal of ash from economizer hoppers	Ash (bottom and/or fly ash) is occasionally collected from economizer hoppers with the use of a commercial vacuum truck equipped with a filter type collection system.
8. Dry collection and transport of fly ash to SRMG or wet disposal system via pipeline	This is an enclosed system vented through fabric filters.
9. Fly ash wet disposal system mixing tank	Dry fly ash is injected into a tank filled with waste lime slurry and / or water to form a wet mixture.

10. Dry fly ash collection system maintenance	Fly ash is either vacuumed out of equipment to facilitate maintenance or water sprays are used to minimize emissions during maintenance of the fly ash collection system.
11. Conditioning and loading fly ash for beneficial reuse by SRMG	Fabric filters are used on equipment that conditions and loads fly ash for beneficial re-use.
12.	
13. Replacement of fabric filter bags	Fabric filter bags are either bagged in plastic bags at the point of generation or dropped to ground level using an enclosed tube and placed into a roll off dumpster, covered, and transported offsite for disposal.
14.	
15. Transport of flue gas desulfurization waste to the Fly Ash Pond for disposal	This flue gas desulfurization waste remains wet through the process.
16. General Housekeeping	Spilled, leaked, and/or deposited CCR within the facility are removed by either vacuum truck or moisture treatment and removal.
17. Fly Ash Pond Enhanced Evaporation	Downdraft fans causing a small ripple effect on the surface water to change ambient temperature at the water surface to aid in the evaporation process.

Citizen Complaints

There were no citizen complaints during the reporting period of December 09, 2022 through the date of this report.

Summary of Corrective Actions Taken

No corrective actions were taken or warranted during this reporting period.

Summary of Review of the Dust Control Plan

There were two changes to operations that required a change to the CCR Dust Control Plan. The first change is the excavation of former Ash Pond 1 is complete. There is no more CCR material transfer resulting in fugitive dust, therefore, Section 12, Activity 12 of Appendix A of the Dust Control Plan have been removed. The second change is the addition of Enhanced Evaporation at the Fly Ash Pond, Activity 17. Twelve down force fans that float on the surface of the Fly Ash Pond were installed to create and downward draft to change the surface temperature of the water in the Fly Ash Pond. The downward draft will create a small ripple effect on the surface water and fugitive emissions will occur, with the fall out resting back into the Fly Ash Pond. This process is considered a wet process with minimal emissions coming from the process. This process has been added as Activity 17 of Appendix A of the Dust Control Plan. There were no CCR corrective actions that were needed to improve the effectiveness of the Dust Control Plan.

Summary of Assessment of Effectiveness

There were no incidences that would require a revision to the control measures. The adopted measures were effective in minimizing CCR from becoming airborne at the facility. Based on review of available records, the facility-maintained compliance with the CCR Dust Control Plan.