



Annual CCR Fugitive Dust Control Report



Reporting period:
January 2024 to December 2024

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1.0 Background Information

Title 40 Part 257.80 of the Code of Federal Regulations establishes that the owner or operator of a coal combustion residuals (CCR) unit must prepare an annual CCR fugitive dust control report that includes 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.

This annual report describes the condition of the fugitive dust control measures present at the AES facility, considering the results of visual inspections and actions taken during the reporting period (January 2024 to December 2024). The areas covered under this report include the CCR and Agremax™ handling activity areas at the AES Puerto Rico facility. The CCR handling activity areas at the facility are:

- Bottom and fly ash storage silos,
- Pug mill,
- Truck feeding area,
- Elevated conveyors,
- Stockpile area,
- Truck transportation areas, and
- Marine dock

The AES facility is a bituminous coal power plant located in the south coast of Puerto Rico, approximately 3.4 miles southwest of downtown Guayama, at Km 142.0, State Road PR-3 in the municipality of Guayama, Puerto Rico. It generates and sells electricity to LUMA Energy (the company responsible for power transmission and distribution in Puerto Rico) with a total power generation capacity of 520 Megawatts.

Fly ash and bottom ash are produced by the coal combustion process and stored in two elevated silos south of the facility's Power Block building. Using its own CCRs, AES produces a manufactured aggregate, known as Agremax™. Dry ashes are transported by an enclosed belt conveyor to be mixed in a pug mill that conditions this CCR to produce

Agremax™ with enough moisture to prevent their dispersion by wind, without producing free liquids, before feeding a conveyor belt used to transfer the mixture to the open Stockpile Area at the southeast side of the facility where it is also kept wet by the application of water sufficient to prevent dispersal by wind (without producing free liquids). A stockpile to store the inventory of Agremax™ is formed by a bulldozer or by dump trucks that are loaded with Agremax™ by an excavator or front-end loader; the trucks then place the Agremax™ onto a stockpile.

For final off-site disposal, the Agremax™ is fed by a bulldozer into a crusher located in the southwest side of the Stockpile Area. Subsequently, the crusher feeds an enclosed conveyor to transfer the Agremax™ to marine vessels in the AES dock area (approximately 0.7 miles southwest of the Stockpile Area) for shipment overseas.

The main equipment and structures used for controlling CCR fugitive dust emissions include: structural enclosures (e.g., covered belt conveyors), a water truck with rear spray nozzles and front water cannon, a broom sweeper, mobile water sprinkler guns, large water hoses, curved paved haul roads, and a fixed water spray nozzle system with an articulated telescoping spouts at drop and loading / shipping areas in the AES marine dock / pier area.

2.0 Description of Actions Taken

During this period, the Agremax™ Staging Area Liner Project was completed. The equipment and structures used for controlling dust emissions were maintained in good operational condition. Operational inspections were performed on a daily basis in order to evaluate the effectiveness of control measures. Inspection records did not show any significant non-conformance with the CCR and Agremax™ Dust Control Plan or significant problems with any of the other control measures implemented.

One training session was provided to the CCR operations personnel during this period to ensure that the dust control practices and SOP requirements are understood and followed.

3.0 Record of Citizen Complaints

No formal citizen complaints were received or reported during this period.

4.0 Summary of Corrective Actions Taken

Significant corrective actions were not required during the reporting period.