



## **Summary of Additional Requirements for Carbonaceous Materials**

### **Bulk Storage**

1. The owner or operator of a carbonaceous bulk solid material facility shall maintain all carbonaceous bulk solid material in fully enclosed structures in accordance with the enclosure requirements.
2. The owner or operator of any existing carbonaceous bulk solid material facility shall submit to BSEED for review and approval a plan (the “enclosure plan”) for total enclosure of all carbonaceous bulk solid material piles, conveyors, transfer points, and processing areas at the facility. The enclosure plan shall include:
  - (a) A construction schedule prepared using the critical path method for completion of engineering, procurement, permitting, and construction of the enclosure; and
  - (b) A fugitive dust plan that shall include, at a minimum, the following components:
    - (1) A site map, drawn to scale, depicting the following information:
      - i. Facility boundaries;
      - ii. All buildings, internal roads and utilities on facility property;
      - iii. All roadways within one quarter mile of the perimeter of the facility that are used for transport of material to or from the facility;
      - iv. The location of all floor drains, storm drains, and storm water outfalls;
      - v. All potential fugitive dust emissions points at the facility, including a depiction of the footprint of all carbonaceous bulk solid material piles;
      - vi. The locations of all control devices and monitoring devices, including the fugitive dust monitors required under section 22-5-19 and the wind monitor required under section 22-5-20;
    - (2) A site map, drawn to scale, depicting the boundaries of any associated carbonaceous bulk solid material facility owned or operated by the owner or operator at which the owner or operator intends to temporarily store carbonaceous bulk solid materials during implementation of the enclosure

plan, and including all the information required in paragraph (1) of subsection (b) above;

- (3) A description of the facility's operations, including a list of all carbonaceous bulk solid materials handled at the facility;
  - (4) A description of all control measures, devices, and technologies to be used to minimize and control fugitive dust during transport to and from the facility while materials are staged, loaded, unloaded, processed, or otherwise handled at the facility;
  - (5) A dust monitoring plan that describes the placement, operation, and maintenance of the PM10 monitors required under section 22-5-19, including an explanation of the background levels of PM10 leaving a facility that will determine the reportable action level (20% increase), based on the concentration of PM10 detected at the downwind monitor(s) at a facility;
  - (6) A contingency plan describing the owner's or operator's response activities when the monitors required under section 22-5-19 detect PM10 that exceeds the reportable action level established pursuant to subsection (g) of section 22-5-18, and a contingency plan for an alternative method of monitoring in the event of malfunction or failure of the approved PM10 monitors;
  - (7) A spill control and pollution prevention plan describing the owner's or operator's response activities to address spills of any stored materials and to protect and prevent any stored material from spilling into any floor drains, storm drains, or storm water outfalls; and
  - (8) A description of the facility's recordkeeping system, which shall include a schedule for routine inspection and maintenance of the control measures, devices, and technologies; and the identity of the person or persons responsible for such maintenance and testing.
3. Fully enclosed structures for all carbonaceous bulk solid material handling, storage, and transfer operations must satisfy the following requirements:
- (a) Structures used to store, handle, or transfer carbonaceous bulk solid materials must be completely enclosed structures with an impervious floor, four walls, and an approved roof;
  - (b) Structures used to store, handle, or transfer carbonaceous bulk solid materials shall be designed, permitted and constructed in accordance with applicable building code requirements, zoning requirements, and other applicable laws, ordinances, and regulations;
  - (c) Structures used to store, handle, or transfer carbonaceous bulk solid materials shall be properly maintained and shall be equipped with and shall use a permitted air pollution control system and/or the ability to apply water to materials within a structure

sufficient to control fugitive dust emissions at designed vents and at any other openings, including entrances and exits;

- (d) Entrances and exits for material or vehicles shall have overlapping flaps, sliding doors or other devices(s), which shall remain closed except to allow material or vehicles to enter and leave or to allow people to enter and exit. If devices other than overlapping flaps or sliding doors are used, then the performance for dust control at the openings must be shown in the fugitive dust plan to be equivalent to or better than that of the overlapping flaps or sliding doors used in conjunction with the required air pollution controls as determined by BSEED; and
  - (e) Fully enclosed structures in compliance with this section need not comply with the fugitive dust monitoring requirements of Sec. 22-5-19.
4. For new facilities, and expansion or recommencement of operation of existing facilities, compliance with the enclosure requirements is a condition to receiving a certificate of operation.