

Company Name: Sand and Gravel Company

Permit Number: 02BZ0634

Operation and Maintenance Plan

Daily Activities:

Prior to starting the plant, visually inspect the following:

- Exhaust fan bearings
- Exhaust fan housing for leaks
- Damper for full travel
- Baghouse lids for proper seal
- Auger bearings and gear boxes
- Drive belts

During operation, visually inspect the following:

- Bag pulsing for proper differential pressure (3 to 5 inches of water)
- Look for puffs coming out of the stack when the baghouse pulses, this indicates the need for a visolate test
- Lubricate Auger Bearings
- Maintain stack gas temperature above 200 F
- Stack gases with flue gas analyzer for proper fuel/air ratio. Check gases with analyzer at least three times a year.
- Augers and rotary valves for proper operation

Weekly Activities:

Visually inspect the following:

- Oil level in gear boxes
- All drive belts for wear and tension
- All bearings for excessive play
- Doors and lids for proper seal
- Pulsing valves for proper operation
- Fan and fan housing for signs of wear

Monthly Activities:

- Do a thorough visual inspection of the baghouse interior, look for signs of moisture and wear
- Inspect cyclone for wear
- Thoroughly clean any dust in clean air plenum
- Inspect bags for wear and cleanliness

Annual Inspections:

- Tune burner annually and after any fuel switch
- Thoroughly inspect the entire dust control system and replace or repair components as needed
- Do at least one visolate test on an annual basis AND – do a visolate test and replace any inadequate bags at the first sign of excess opacity.
- Send bag in for analysis

In addition to this schedule, all manufacture's recommended procedures will be followed and annual emission estimates will be calculated and recorded using the attached Excel-based recordkeeping format.