O&M PLAN FOR WHEELABRATOR DUST COLLECTOR

(UPDATED 5-08)

FOR

TAMPA TANK, INC. - FACILITY ID # 0570344

BASED ON INFORMATION SUBMITTED BY

KOOGLER AND ASSOCIATES, INC.

INTRODUCTION

An air construction permit was issued by Environmental Protection Commission of Hillsborough County (EPCHC) on July 6, 2007, for the installation of the Wheelabrator Shot Blasting Machine.

The steel shot blasting machine is an enclosed unit which recycles the steel shot. Particulate matter emissions from the shot blast machine are controlled by a Wheelabrator Slide-in Cartridge Dust Collector, Model No. JSPM-5D50. The dust collector contains 50 cartridges that are cleaned by a pulse jet cleaning system.

Permit No. 0570344-005-AC, required the submittal of an Operation and Maintenance (O&M) Plan for the dust collector as part of the operation permit application.

O&M REQUIREMENTS

Rule 62-296.700(6), of the Florida Administrative Code identifies requirements that may be incorporated into an appropriate O&M Plan. Typically, an O&M Plan for a dust collector requires a schedule for recording a performance parameter, i.e. pressure drop and/or gas flow rate, and also a schedule for daily, weekly and monthly equipment inspections. The operating range for a pulse jet baghouse is 0-6 inches water gauge. Recording the pressure drop is appropriate for this dust collector, while recording gas flow on a regular basis is not meaningful given the design of the shot blast machine.

A drawing, with information on the dust collector, is attached.

When the abrasive blast machine is in operation, the procedures to be followed to ensure proper operation of the dust collector are as follows:

DAILY PROCEDURES:

1. Check and record pressure drop across the dust collector.
2. Check and record any visible emissions from the dust collector.
3. Record hours of operation of the Wheelabrator

WEEKLY PROCEDURES:

4. Check the pulse jet cleaning system and compressed air lines.
5. Inspect the screw conveyor and bearings for lubrication.
6. Check manufacturer’s schedule for cartridge cleaning or replacement.

MONTHLY PROCEDURES:

7. Visual inspection of the ductwork.
8. Visual inspection of the filter cartridges.

9. Check the pressure differential gauge for plugged lines.
10. Check the fan/blower drive belt(s) for wear and tension.

ANNUAL PROCEDURES:

11. Check all bolts and welds on the equipment.
12. Inspect the hoppers for wear.