SAFT America Inc.

Tanks

Virgin NMP Tank	7,500 gallon	100% NMP
Cathode Condensate Tank	10,000 gallon	95% NMP, balance water
Anode Condensate Tank	10,000 gallon	5% NMP max., balance water
Wet Scrubber Blowdown Tank	10,000 gallon	2.7% NMP max., balance water
Deionized Water Tank	10,000 gallon	100% water

The 7500 gallon, Virgin NMP Tank, is covered with a nitrogen blanket. It and the other three tanks that have the potential to contain NMP are on a closed system vent that returns any vapors to the process line wet scrubber.

Process Lines

PM - produced as fugitive emissions by various portions of the process. All are captured by HEPA filters and returned to the plant ventilation system. None are exhausted to the atmosphere.

VOC - facility's main chemical of concern is N-Methyl-2-Pyrrolidone (NMP). Approximately 2.2 tons per year will be released to the atmosphere.

HAP – no HAP emissions are associated with this facility.

Ozone – corona treatment of cathode substrate produces 1.93 tons/year. Ozone is not a regulated pollutant.

Drying Ovens (2) – Natural gas fired, 7.2 MMBTU each. The following pollutants will be released to the atmosphere:

CO – 2.47 tons/year

NO_x – 5.81 tons/year

PM – 0.47 tons/year

PM_{10} – 0.35 tons/year

SO_2 – 0.04 tons/year

VOC – 0.34 tons/year

Emergency Generator – No. 2 fuel oil fired, 300KW, Cummins, Model 300DQDAC, diesel engine. Subject to 40CFR60 Subpart IIII but is exempt per DARM-PER-44 guidance document and 62-210.300(3)(a)35.

There are only two operations in the plant that will require permitting:

1. The two process lines, cathode condenser and anode condenser to the wet scrubber, emit VOC from the common scrubber. The emissions will be permitted as EU-001.
2. CO, NO_x, PM, PM_{10}, SO_2 and VOC are emitted from burning natural gas in the drying ovens. There are two ovens in the plant. The emissions will be permitted as EU-002.