PERMIT ATTACHMENT G

AIR QUALITY
Modified from the Permit Application, Volume I, Section 11.0

11.0 40 CFR 264 SUBPART AA, BB & CC REGULATIONS

This section provides a brief summary of the air requirements, as presented in 40 CFR 264 subpart AA and BB. In addition, this section provides a brief summary of other regulations which may be applicable to the Facility.

11.1 40 CFR 264 SUBPART AA - AIR EMISSIONS FOR PROGRESS UNITS

The Facility will not be subject to the 40 CFR 264 Subpart AA regulations because the Facility will not utilize distillation, fractionation, thin-film evaporation, solvent extraction, air or steam stripping operations.

11.2 40 CFR 264 SUBPART BB – AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS

No wastes with organic concentrations greater than 10 percent by weight shall be accepted for storage in the liquid waste storage unit, treated in the evaporation pond or treated in the stabilization unit stored in containers, or placed in the landfill. Units in compliance with this provision will not be subject to 40 CFR 264 Subpart BB regulations. Equipment such as pumps, compressors, pressure relief devices, sampling equipment, connecting system, and valves shall not contain or contact hazardous wastes with organic concentrations of 10 percent or greater by weight.

11.3 40 CFR 264 SUBPART CC – AIR EMISSIONS STANDARDS FOR TANKS, SUFACE IMPOUNDMENTS AND CONTAINERS

Tanks and evaporation ponds shall not be used to manage hazardous wastes containing volatile organic concentrations of equal to or greater than 500 parts per million by weight (ppmw). Units in compliance with this provision will not be subject to 40 CFR 264 Subpart CC regulations.

Drums and roll-off containers may hold hazardous waste that contains greater than 500 ppmw volatile organic compounds. These wastes shall be stored in containers with appropriate covers (see Section 11.3.2).

11.3.1 Waste Determination

A waste determination will only be conducted for each waste stream to be placed in a unit that is exempt from the Subpart CC requirements for air emission controls (e.g. the evaporation pond). The waste determination shall be made at the point of waste origination. In general, the Facility will use generator-supplied information (manifests, shipping papers, certification notices etc.) prepared in accordance with 40 CFR 264.1083 to make this determination, however, the Facility may choose to test a representative sample of the waste. For waste to be placed in units that comply with Subpart CC requirements for air emission controls, no formal waste determination is required.

11.3.2 Applicability to Containers

There are two types of containers expected to be used at the Facility to store wastes: (1) drums and (2) roll-off containers. These containers may hold hazardous waste that contains greater than 500 ppmw volatile organic compounds. These drums and roll-off containers stored at the Facility will have covers and meet DOT requirements for packaging of hazardous waste for transport under 49 CFR 178. Potential air pollution, from containers that hold hazardous waste with greater then 500 ppmw volatile organic compounds, will be controlled in accordance with the standards specified in CFR 264.1086(d).

11.3.3 Applicability to the Evaporation Pond

The Facility will not accept waste to be placed in the evaporation pond that contains greater than 500 ppmw volatile organics. Therefore, the evaporation pond is exempt from air emission control requirements specified in Subpart CC.

11.3.4 Applicability to Tanks

The waste storage tanks will not be subject to the Subpart CC requirements for inspection, monitoring, and emission controls because this unit will not be used to manage wastes containing volatile organic concentrations greater than 500 parts per million by weight (ppmw)

11.3.5 Applicability to the Stabilization Process

The concentration of volatile organics in the waste to be stabilized will be limited to less than 500 ppmw. Final design documentation will be included as part of the operating record for the Facility.

11.3.6 Inspection and Monitoring

A written plan and schedule will be developed and implemented to perform all inspection and monitoring in accordance with 40 CFR 264.1088(b).

11.3.7 Recordkeeping and Reporting

Recordkeeping and reporting will be conducted in accordance with 40 CFR 264.1089 and 264.1090, respectively.

11.3.7.1 Recordkeeping

The following records will be kept:

- waste determinations;
- inspection and monitoring results;
- design specifications for closed vent systems and control devices;
- control device exceedances and corrective action; and,
- leak repair information.

11.3.7.2 Reporting

If the Facility becomes aware that an exempt unit has received hazardous waste containing greater than 500 ppmw volatile organic compounds, the regulatory agency will be notified within 15 days. In accordance with 40 CFR 270.30, if continuous emission monitoring is used at the exempt unit holding hazardous waste with greater than 500 ppmw volatile organic compounds, a semi-annual report will be provided that indicates each time the unit is operated in non-compliance over a 24 hour (or more) period of time. This report will not be provided if the unit remains in compliance during the entire 6-month reporting period.

11.4 OTHER APPLICABLE REGULATIONS

There are a number of other federal regulations which will apply to the Facility. Once the Facility has received a final permit and the configuration and operational aspects are finalized (it is possible that some minor changes to the Facility configuration and operation will occur as a result of the final permit) other regulations will be evaluated. Some of the regulations that will be evaluated are:

- National Pollution Discharge and Elimination System;
- Clean Water Act;
- Clean Air Act; and
- Occupational Safety and Health Administration regulations.

The regulations listed above will be evaluated for their applicability to the Facility. In addition to these federal regulations, the Facility will evaluate numerous state, county, and local regulations. GMI will ensure that the Facility is designed, constructed, and operated in compliance with all applicable regulations.