**Section I. Facility Information.**

This permit incorporates terms and conditions of construction permit 7775008-010-AC issued April 17, 2008 for replacement of the Hot Mix Asphalt Plant (EU 001) with a new Hot Mix Asphalt Plant (EU 005), effective October 22, 2008.

**Subsection A. Facility Description.**

This facility is a relocatable drum mix asphalt plant. Aggregate and recycled asphalt product are mixed in a rotating drum with hot liquid asphalt. The mix in the drum is heated by a fuel oil fired burner. The hot asphalt concrete mix is then conveyed to a storage silo for loading into trucks. Particulate emissions from the plant are controlled by an inertial separator pre-cleaner and a baghouse. The grit from the separator and the fines from the baghouse are recycled into the asphalt mix. Fugitive emissions at the facility result from uncontrolled process emissions, aggregate stockpiles, and vehicular traffic.

The rotating drum mixer is a relocatable type designed and manufactured by Terex Corporation. It is a model E3 300PTD of triple drum and counter-flow design. It is equipped with a Hauck Starjet burner Model 520, with a maximum heat input of 96.8 MMBTU/hr. Fuels will be No. 2 Distillate Oil, No. 4 fuel oil and on-specification ("on-spec") used oil, with a maximum sulfur content of 0.8%. A maximum of 50% recycled asphalt product (RAP) may be used with virgin materials. A current Air General permitted portable RAP crushing unit may be operated at the facility periodically to provide RAP for the asphalt mix.

Particulate matter (PM) emissions created by the drum mixer are controlled by an inertial separator pre-cleaner and a baghouse (BH-1). The pre-cleaner removes heavier particles from the air stream to protect the filtering bags from the impact of heavier particles. Heavy particulates from the pre-cleaner are delivered via screw conveyor directly to the drum mixer. The dust return system conveys heavy dust fines back to the drum mixer. The baghouse is a Model RA3-18 PTD, rated at 58,000 ACFM at 300°F. It is equipped with 716 bags, totaling 12,888 SF of cloth. Light fines may be directly returned, wasted or pneumatically loaded into a 500-barrel dust storage silo, model MFS 500. This storage silo is equipped with a pulse jet baghouse (BH-2) and equipped with 16 bags, totaling 159 SF. The bottom of this silo is equipped with a rotary valve, which discharges dust into a weigh pod to continuously measure the amount of dust collected by baghouse BH-1. Dust is augured from this pod directly into the drum dryer. This silo can double in the future as a dry additive silo. When this happens, dry additive will be delivered to the site by truck tanker in approximately 25-ton loads and pneumatically blown into the silo.

The liquid asphalt cement heater is a CEI 2400 heater with a maximum fuel input for oil at 20 gallons per hour.

The facility is regulated under NSPS, 40 CFR Part 60, Subpart I (Standards of Performance for Hot Mix Asphalt Facilities, provided the facility was built or last modified on or after June 11, 1973) and Rule 62-210.300(3)(c)2., F.A.C. (Conditional Exemptions from Title V Permitting). The facility is a synthetic minor source with annual throughput limited to 500,000 tons of asphalt concrete per year. The fuel oil consumption for the entire asphalt concrete plant, (drum mixer,