RECIPROCATING INTERNAL COMBUSTION ENGINE (RICE) INVENTORY and NESHAP 40 CFR 63 SUBPART ZZZZ APPLICABLE REQUIREMENTS FOR MAJOR SOURCES OF HAPS
(Mosaic Fertilizer LLC - Riverview Facility, Facility ID: 0570008)

Reciprocating Internal Combustion Engine (RICE) Information									40 CFR 63 Subpart ZZZZ Applicable Requirements *(list all applicable subsections)*					
Engine Description / Location	**Owned or Rented?**	**Engine Manufacturer**	**Model Number**	**Date of Construction / Reconstruction**	**Power (bhp)**	**Fuel**	**CI or SI**	**Indicate if Emergency or Limited Use***	**Emission Standards** (from 63.6600, 63.6602, 63.6604, & Tables 2b & 2c)	**Operation / Maintenance Standards** (from 63.6600, 63.6602, 63.6604, 63.6640 & Table 2c)	**Performance Testing** (from 63.6612, 63.6615,Table 3 & Table 4)	**Monitoring** (from 63.6625)	**Recordkeeping** (from 63.6655)	**Reporting** (from 63.6650, & Table 7)
Administration Building	Owned	Caterpiller	3406	Prior to June 12, 2006; Existing RICE	420	diesel	CI	Emergency	N/A	Replace oil and oil filter and inspect all hoses and belts every 500 hours, air filter every 1,000 hours, or annually (whichever comes first). Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ Table 2c] Operate for the purpose of maintenance checks and readiness testing no more than 100 hours per year. Operate up to 50 hours per year in non-emergency situations (these hours counted towards the 100 hours per year). [40 CFR 63.6640(f)]	N/A	Install non-resettable hour meter. [40 CFR 63.6625(f)] Proper maintenance. Safetly and appropriately minimize idle & startup time; not to exceed 30 min. [40 CFR 63.6625(h)]		Per 63.6640(b)(e)
TG1	Owned	Caterpiller	3208	Prior to June 12, 2006; Existing RICE	210	diesel	CI	Emergency						
Environmental MCC	Owned	Caterpiller	3406	Prior to June 12, 2006; Existing RICE	420	diesel	CI	Emergency						
Outfall 005	Owned	Detroit	5043-7001	Prior to June 12, 2006; Existing RICE	140	diesel	CI	Emergency						
#1 South Toe Drain	Owned	Perkins	1795/1500	Prior to June 12, 2006; Existing RICE	47	diesel	CI	Emergency						
#15 North Toe Drain	Owned	Perkins	1795/1500	Prior to June 12, 2006; Existing RICE	47	diesel	CI	Emergency						

NOTES:
CI = Compression Ignition; SI = Spark Ignition
Compliance Date for all existing CI engines at area sources is 05/03/10
Startup or Malfunction Requirements for all existing CI engines: Minimize idle & startup time to <30 min.
* See 40 CFR 63.6675 for definitions of Emergency Stationary RICE, and Limited Use Stationary RICE (operates < 100hours/year)