

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

P066732160

FACILITY: City of Farmington Hills Water Tower		SRN / ID: P0667
LOCATION: 27239 Halsted, FARMINGTN HLS		DISTRICT: Southeast Michigan
CITY: FARMINGTN HLS		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 10/07/2015
STAFF: Kerry Kelly	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Self-Initiated inspection		
RESOLVED COMPLAINTS:		

On October 7, 2015, AQD staff Kerry Kelly conducted a scheduled inspection at the City of Farmington Hills Water Tower located at 27239 Halstead Road, Farmington Hills, Michigan. This facility is identified by the Air Quality Division with the State Registration Number P0667. The purpose of this inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); and Michigan's Air Pollution Control Rules.

INSPECTION

Ms. Kelly entered the site, presented her DEQ employee photo identification, explained the purpose of the inspection, and gave a copy of the pamphlet "Environmental Inspections: Rights and Responsibilities" to Mr. Kevin McCarthy, DPW Superintendent. Mr. McCarthy accompanied Ms. Kelly on the inspection.

FACILITY DESCRIPTION

The water tower was constructed in the rear of the Farmington Hills DPW yard (27245 Halstead Road, Farmington Hills, Michigan (SRN P0452). Construction commenced on the foundation of the water tower in November of 2012 and the tank was placed on line in June of 2014. The water tower is owned by the City of Farmington Hills and managed by Oakland County Water Resources Commission.

EMISSION UNITS

Emergency Generator

Ms. Kelly inspected one natural gas-fired emergency generator installed in May 2014. The generator is manufactured by Kohler and the model is 25REZG. The maximum power at rated rpm is approximately 81,891Btu/hour (32 horse power), which equates to a maximum rated heat input capacity of approximately 327,564 Btu/hour based on 25 percent thermal efficiency. This generator appears to be exempt from R 336.1201 per R 336.1285(g) because the maximum heat input is less than 10,000,000 Btu/hour. The Standards of Performance for New Stationary Sources (40 CFR 60 Subpart JJJJ) appear to apply to this engine based on the date the engine was installed. Ms. Kelly asked Mr. David Brown, Pump Maintenance Supervisor for Oakland County Water Resources Commission, for records of maintenance conducted on the engine, engine operating hours, and manufacturer's certification required by 40 CFR 60 Subpart JJJJ. According to Mr. Brown, the engine ran 26.4 hours in the 18 months since its initial start-up. The engine was operated for routine testing and has not operated for emergency purposes. The only maintenance conducted on the engine has been visual inspections, such as coolant level check, oil level block heater operation, and battery charger inspection. A coolant hose was replaced, as part of warranty work, in June 2015.

CONCLUSION

The City of Farmington Hills appears to be operating in compliance with air quality regulations.

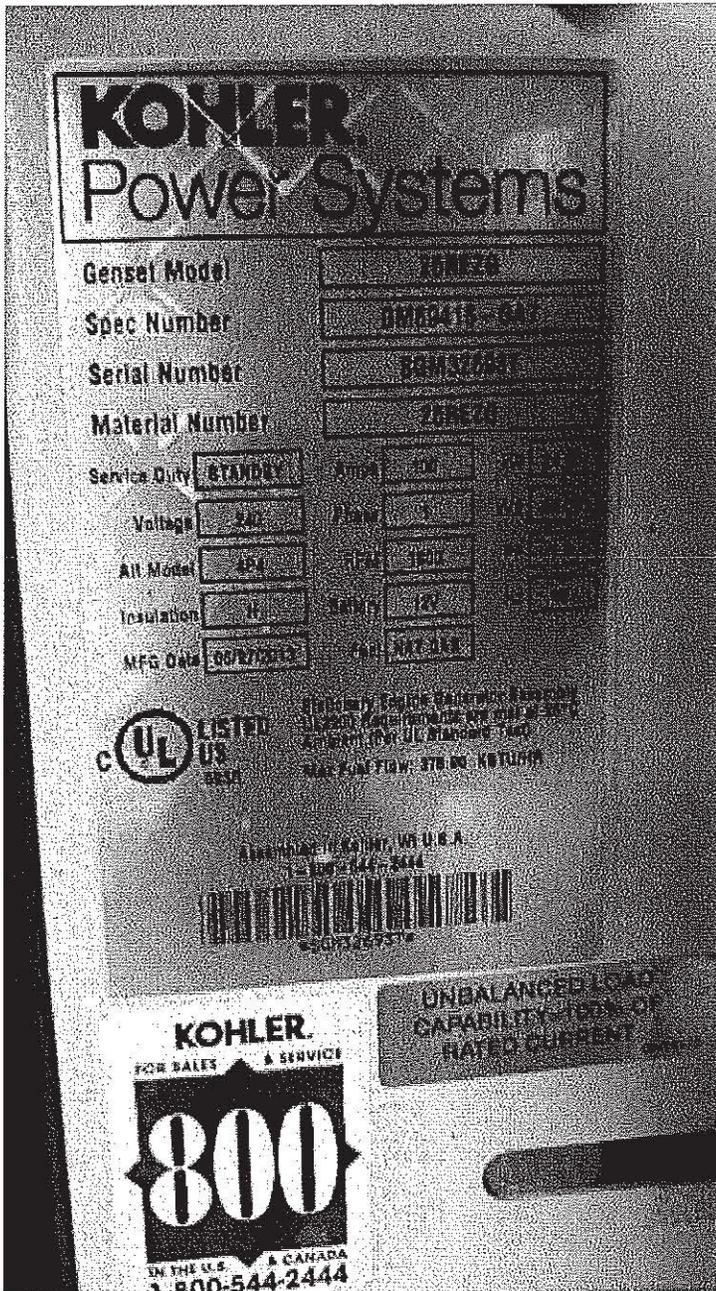


Image 1(P0667 SAR 20151007) : Generator Name Plate

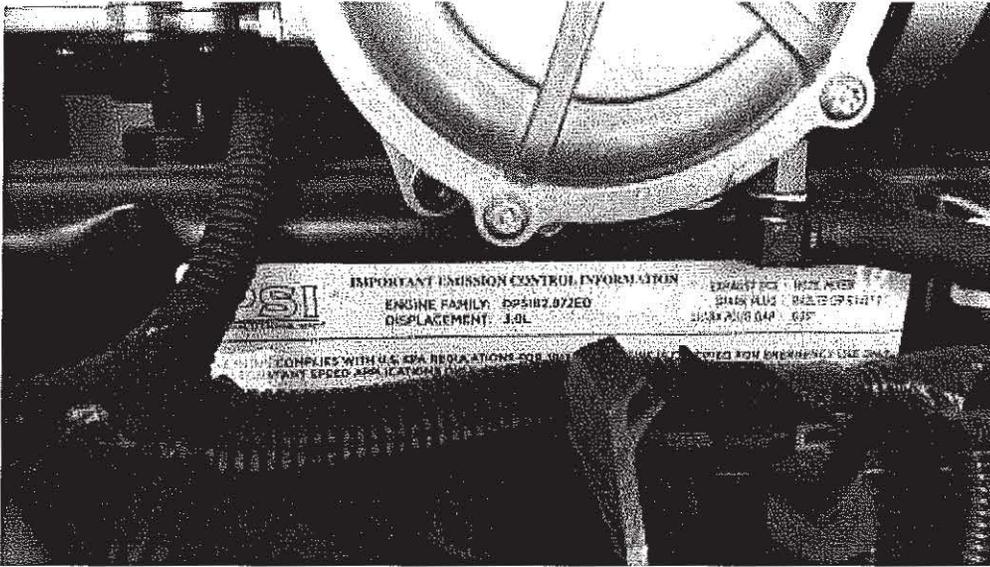


Image 2(P0667 SAR 20151007) : Engine Certification

NAME Benny Kelly DATE 11/16/15 SUPERVISOR CJE

