

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N778049635

FACILITY: JACKSON NATIONAL LIFE INS		SRN / ID: N7780
LOCATION: ONE CORPORATE WAY, LANSING		DISTRICT: Lansing
CITY: LANSING		COUNTY: INGHAM
CONTACT: Mary Bainbridge , Sr. EHS Coordinator		ACTIVITY DATE: 07/11/2019
STAFF: Samantha Braman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, scheduled inspection for compliance with PTI No. 98-07.		
RESOLVED COMPLAINTS:		

N7780 – Jackson National Life**Facility Contacts:**

Mary Bainbridge – EHS Coordinator, 517-420-5948, mary.bainbridge@jackson.com

Tim Dooling – Facilities Manager – 517-367-3381,

Murray Bainbridge – Electrical Services Manager – 517-896-3715

MDEQ AQD Personnel:

Samantha Braman – (517) 282-1373, bramans1@michigan.gov

Facility Description:

Jackson National Life is a life insurance company who has two general permits with the air quality division for emergency engine generators at two separate locations.

SRN: N7780 Located at One Corporate Drive, Lansing, MI is the main headquarters and has General PTI No. 98-07 for 6 emergency generators.

Safety Equipment Required:

Eye protection, vest, hard hat, ear plugs, steel toed boots.

Location:

This site is located such south of I-96 off of the Mason/Okemos exit.

Previous Complaints:

None.

Inspection Summary:

I arrived at 11:10am.

This was an unannounced, scheduled inspection. I checked in at the security desk and found out that Tim and Mary were away that day at a training. Murray Bainbridge, electrical services manager, was able to show me around the facility.

We left headquarters and went to a separate building on the campus that houses the generators. None of the generators were running during my visit, they are only used for emergency purposes.

I observed all 6 generators covered by PTI No. 98-07.

Unit	Description	Hours (as of 7/11)	Last Oil Change	Next Oil Change	Compliance (Y/N)
1	Caterpillar SR4B with CAT 3508 Diesel Engine rated at 1 MW. Installed 2003.	700	3/6/17	3/6/20	Y
2	Caterpillar SR4B with CAT 3508 Diesel Engine rated at 1 MW. Installed 2003.	701	3/7/17	3/7/20	Y
3	Caterpillar SR4B with CAT	699	3/7/17	3/7/20	Y

	3508 Diesel Engine rated at 1 MW. Installed 2003.				
4	Caterpillar SR4B with CAT C32 Diesel Engine rated at 1 MW. Installed 2007.	593.7	3/8/17	3/8/20	Y
5	Caterpillar SR4B with CAT C32 Diesel Engine rated at 1 MW. Installed 2007.	560.9	3/8/17	3/8/20	Y
6	Caterpillar SR4B with CAT C32 Diesel Engine rated at 1 MW. Installed 2007.	562.5	3/8/17	3/8/20	Y

Murray and I then went to collect records. I learned as a part of their maintenance plan; they do 20-minute runs weekly of every generator as well as monthly testing where they run every engine for an hour. I asked for the July 2018 monthly maintenance records. I received them for all 6 generators.

We then went to inspect the other Jackson National Life facility generators and I left the site at 1:15pm.

On Monday, July 15th, I received the fuel usage records for all the generators for the year of 2017 from Mary Bainbridge. Condition 1.4 of the permit limits the fuel usage of all the generators to 136,000 gallons per 12 month rolling. The fuel usage in 2017 for all 6 engines was 5,412, which is considerably low the permit limit.

Maintenance and fuel usage records can be found attached to the hard copy of this report.

Based on the information I received, it appears that Jackson National Life (N7780) is in compliance with PTI No. 98-07.

NAME Samuel Brown

DATE 7/24/19

SUPERVISOR 