

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

M378436167

FACILITY: MEIJER, INC.		SRN / ID: M3784
LOCATION: 3301 S CREYTS RD, LANSING		DISTRICT: Lansing
CITY: LANSING		COUNTY: EATON
CONTACT: Robert Ellsworth , Facility/Hilo Maintenance Supervisor		ACTIVITY DATE: 07/12/2016
STAFF: Michelle Luplow	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled, unannounced inspection to determine compliance with or void Meijer Distribution Center's 4 PTI's for various processes.		
RESOLVED COMPLAINTS:		

Inspected by: Michelle Luplow

Personnel Present: Phil Ragland, First Shift AP Officer (phillip.ragland@meijer.com)
 Robert Ellsworth, Facility/Hilo Maintenance Supervisor (Robert.ellsworth@meijer.com)
 David Mulder, Director (david.mulder@meijer.com)
 Mike Sumeracki, AP Manager (Michael.sumeracki@meijer.com)

Purpose: Conduct an unannounced inspection to determine Meijer Distribution Center's compliance with Permits to Install (PTI) 746-80, 747-80, 748-80, and 749-80, as well as get a tour of the facility and determine if any other state or federal regulations apply to facility equipment.

Inspection: At approximately 8:00 a.m. on July 12, 2016 I met with Phil Ragland, First Shift Asset Protection Officer, at the entrance of the distribution center. The entrance to the distribution center is off of Millet Highway, where the distribution trucks enter the facility. (Must drive to the gatehouse and speak with an Asset Protection Officer/be accompanied by Meijer staff before entering the facility). I provided P. Ragland with a DEQ "Environmental Inspections: Rights and Responsibilities" brochure to illustrate a typical inspection procedure, as well as an OEA Boiler MACT outreach brochure, and a Permit to Install Exemptions Handbook, which P. Ragland then provided to David Mulder and Robert Ellsworth.

The Meijer Distribution Center is divided up into 9 buildings that span from Millet Highway almost to Mt Hope Highway along the east side of Creyts Rd. The inspection was conducted per building. A summary of the premises is presented in Table 1.

Table 1. Buildings Inspected.

Building Number	Description	Equipment
92	General Merchandise/storage/pallets. Pallets repaired if possible; if not, Mobile Pallets takes them	Parts washer
93	General Merchandise. Shipping out of all general merchandise	Parts washer
971	Fleet Maintenance Building. Storage of parts, compressed gas cylinders	Boiler Paint Booth
89	Cold Storage/Frozen Foods. NH3 used to keep merchandise cold	5 Compressors 2 NH3 tanks Boiler
85	Perishable Merchandise (Refrigeration). Kept at 32F for perishable items	Parts washer
86	Grocery (dry, canned, non-perishable).	Parts Washer

547	Storage/Shelving/Shelving parts for store fixtures	NA
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All parts washers listed in Table 1 did not have operating instructions. I informed both P. Ragland and Director David Mulder that I would be sending orange DEQ parts washer/cold cleaner operating instructions in the mail to ensure that the Meijer Distribution Center is in compliance with Part 6 and Part 7 Rules for existing and new cold cleaners.

In addition to the equipment located in these buildings there are generators (portable and non-portable) located throughout the property. Table 2 contains these generators. R. Ellsworth was not able to provide me with the Btu/h of any of the engines. He is still currently working on finding this information in addition to the engines in this table without HP, Fuel, Installation and manufacture dates. Once this list is complete, further evaluations can take place as to whether or not these engines are subject to the RICE MACT ZZZZ or NSPS IIII or JJJJ, and whether they are also exempt from a permit to install.

I have sent a request to D. Mulder that a Potential to Emit calculation be done for the Meijer Distribution Center in light of the multiple engines present onsite. The portable units in this list are onsite, and can be used at this location but they are mostly used as backup power generators for the Meijer stores that need emergency power. These portable engines are run prior to sending them out to ensure that they are operating properly.

Table 2. Generators, portable and non-portable.

ID	Description	Serial No	HP/ kW	Btu/hr	Fuel	Installation Date	Manufacture Date
512- GEN1	Cummins 200.0 DSAGAE 1336031	H1305432031	324/ 200		Diesel		7/9/2013
**520- GEN1	Kohler 10000 REOZMB	2187747	NA/ 1000		Diesel		
**520- GEN2	Kohler 1DLC1000-2M	P1312110002	NA/ 1000		Diesel		
**520- GEN3	Kohler 1DLC1000-2M	P1401280005	NA/ 1000		Diesel		
520- GEN4	Fire Pump 6068HFC28	PE6068L243117	NA/ 250		Diesel		
520- GEN5	Cummins N-855-F	10395405	NA/ 250				
520- GEN6	CAT 3208	03Z07041	NA/ 250				
547- GEN1	Onan GLS-566341- 0225	074878537	NA/ 30				
885- GEN1	CAT SR4	5LA3311	545/ 370		Diesel		
886- GEN1	Kohler GLS-566341- 0225	K0688030	NA/ 180		Diesel		
889- GEN1	Kohler 100 RZ272	282855	NA/ 100		Natural Gas		
889GEN2	Detroit DS00100D65RAK0574	371623-1-1- 0414	NA/ 100		Diesel	4/9/2014	3/1/2014
892- GEN1	Kohler 170RZ2	395864	NA/ 170		Natural gas		
892- GEN2	Cummins 140.0 DSGAS-1321737	B130457537	324/ 150		Diesel	3/7/2013	1/6/2013
893- GEN1	Kohler 150 ROZJ71	276146	NA/ 150		Diesel		

**Portable unit

Building 92

Building 92 contains a parts washer that uses Zep Dyna 143 parts washer solvent. It is approximately 7.5 ft² in surface area (3'x2.5') and is exempt from a PTI per Rule 281(h). Attached is the SDS for the parts cleaner solvent. The lid was closed for this unit.

Building 89

Building 89 is used for cold/frozen storage and utilizes ammonia to keep things cold. There are 2 ammonia tanks installed for this process and are exempt per Rule 280(a), for cold storage refrigeration equipment.

There are also 5 compressors that are used to compress the ammonia as part of the cold refrigeration process. These could be considered exempt under Rule 280(a) as well, but are also exempt under Rule 285(g) as these units are much smaller than 10 MMBtu/hr.

A DeDietrich boiler used for hot water heating is also present in this building, and although it is rated to use both natural gas and fuel oil, there is only natural gas hook-up for this unit. It is rated at 3,737,000 Btu/hr and manufactured in 2002. This unit is exempt from a PTI per Rule 282(b)(i) because it burns sweet natural gas and has a rated heat input capacity less than 50 MMBtu/hr. It is also exempt from the Boiler MACT JJJJJ because it is a gas-fired boiler.

Building 971

Building 971 is the Fleet Maintenance building/maintenance shop and houses the paint booth permitted under PTI 746-80. The paint booth is still operational: the exhaust fan is still operational, as well as the overhead lights. However, this unit is currently being used for storage. R. Ellsworth said that it is not being used and has not been used in quite some time. Under PTI 746-80, they are limited to 37.5 lb VOC/hr and 1.35 tons/year, and 20% opacity from the exhaust stack. Because this unit has not been operated, all limits have been met.

The building also used to have the cardboard shredder/bailer with dust collector permitted under PTI No. 747-80. R. Ellsworth verified that he could not think of any other location onsite that would have a cardboard shredder, and said that they recycle the cardboard they do have. I will request that PTI No. 747-80 be voided because the equipment has been removed.

The sawing and sanding operations permitted under PTI 749-80 for a sawdust cyclone and collection system used to be housed in building 971 as well. A cyclone is present on the outside of this building and appears to be in disrepair. R. Ellsworth showed me the lines that lead to the cyclone are sealed off. There is nothing hooked up to the cyclone and any equipment it was hooked up to is gone. I will request that PTI 749-80 be voided because the equipment has been removed.

The building also has a De Dietrich Boiler which was constructed to be dual-fuel fired but the unit is only run on natural gas/ no longer has the capability to run on fuel oil. It is used for hot water heating and is rated at 3,153,000 Btu/hr (manufactured in 2003, Model GTE 515, serial # 456661/4). It is exempt from a PTI per Rule 282(b)(i) for units that burn sweet natural gas with a rated heat input capacity of not more than 50 MMBtu/hr. The boiler is not subject to the Boiler MACT JJJJJ for area sources because it is a gas-fired boiler.

Building 86

Building 86 is used to store dry groceries, which includes canned and other non-perishable items.

This building houses a Graymills parts washer approximately 7.5 ft² in surface area (3'x2.5') and is exempt from a PTI per Rule 281(h). The lid was open on this unit and I informed P. Ragland that all parts washer lids must be closed when the unit is not being used. I will send a follow-up email to R. Ellsworth and D. Mulder as a reminder to do this for all parts washers onsite.

Building 93

General merchandise storage and shipping lines are present in this building, as well as a Graymills parts washer, exempt per Rule 281(h) because it has a surface area less than 10 ft² (actual is 7.5 ft²). The lid was open on this unit as well and I reminded P. Ragland that all lids on parts washers should remain closed when not in use in order to comply with Part 6 and Part 7 Rules.

Building 85

Perishable (refrigerated) items are housed in building 85. There is one parts washer present in this building that contains Zep Dyna 143 solvent, and measures ~ 7.5 ft² surface area which makes the unit exempt per Rule 281(h). The lid to this unit was also open, I informed P. Ragland this lid must remain closed when the unit is not in use and he closed it.

PTI 748-80: Plastic bottle shredder – shredding and pelletizing of return plastic bottles

R. Ellsworth said in the past 40 years he's had no recollection of there being a plastic bottle shredder onsite and is not aware of one onsite at present. He said that they bail all the plastic for recycling via Padnos. I will request that PTI 748-80 be voided because the equipment has been removed.

Compliance Statement: The Meijer Distribution Center – Lansing, is in compliance with state rules and federal regulations at this time

NAME Michelle Zorn

DATE 9/19/16

SUPERVISOR B.M.