

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

N598326582

FACILITY: GRAND BLANC PROCESSING LLC		SRN / ID: N5983
LOCATION: 10151 GAINEY DR, HOLLY		DISTRICT: Lansing
CITY: HOLLY		COUNTY: GENESEE
CONTACT: Tim Webb , General Manager		ACTIVITY DATE: 08/19/2014
STAFF: Brad Myott	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Perform inspection to determine compliance with PTI 406-96, 163-01 and 513-96.		
RESOLVED COMPLAINTS:		

Facility Contact: Tim Webb, TWebb@gbpllc.net

The primary product produced at GBP is the cleaned rolls of coil steel used in the manufacture of nuts, bolts and washers. Large coils of steel rod 6 to 8 feet in diameter are cleaned in a series of tanks including a sulfuric acid dip. These coils are then annealed to improve metallurgical properties, cleaned a second time in the pickling tanks, and coated with lubricants or other rust preventatives as required by customer specs.

Grand Blanc Processing has 3 active permits. These are:

PTI 406-96 for a NG fired annealing furnace,
PTI 163-01 for a NG fired annealing furnace,
PTI 513-96 for a sulfuric acid pickling tank with wet scrubber.

In addition to the 3 PTI's, GBP also has two 10.46 mmBTU/hr NG fired boilers. These boilers were installed in 1996 and are exempt per R282(b)(i). However, these boilers are subject to recordkeeping requirements in 40CFR60, Subpart Dc, which requires records of gas usage to be maintained. However, even though the boilers are NSPS subject they are currently fee exempt per the Armbruster memo from 2007. According to the NESHAP 6J Boiler flowchart for area sources the boilers are not subject to the requirements because they burn natural gas.

I conducted an unannounced inspection at the Grand Blanc Processing facility on 8/19/14. Skies were partly clouds with temps. in the 70's. I did not detect any odors or visible emissions outside the facility. Inside, I met with Mr. Tim Webb, General Manager. I provided him with a copy of the DEQ Environmental Inspections brochure and he agreed to show me around the facility.

Mr. Webb and I discussed current operations at the facility including their 3 active permits. Business has been steady and no changes have occurred in the past few years. Mr. Webb did tell me about the fire that occurred at the facility in July 2008. The fire began in the pickling tanks and spread to the wet scrubber via the collection ductwork. Mr. Webb explained that the wet scrubber was burned beyond repair and was replaced with an identical model. The replacement of the scrubber was exempt per Rule R 285(d). A safety mechanism was put in place to minimize fire risk to the new unit.

Mr. Webb and I walked back into the production area and viewed the operation of the 2 furnaces. Both furnaces were operating during the time of the inspection. These furnaces do not use any quench oil and only fire natural gas. The furnaces typically operate at 1460 deg. F. Each furnace can hold up to 38 rolls of steel coils at a time. We went outside and viewed the stacks from across the parking lot. I did not notice any visible emissions coming from any of the stacks. Mr. Webb explained that the furnace burners are tuned quarterly to ensure proper operation.

We then walked back into the pickling area to view the scrubber. The pickling line was in operation, so the scrubber was operating. The pickling line consists of several hot water rinse tanks followed by the acid tanks. The exhaust from the acid tanks are collected and routed to the scrubber. Tim explained that the scrubber is open and examined every 6 months and that the unit is typically clean when that is done. He said that they haven't had any issues with this new unit. It did appear the differential gauge was not operating properly and Tim assured me he would examine the cause. He contacted me shortly after the inspection. They had discovered that the supply line to gauge was restricted. They fixed the line and the gauge was operating properly again. Tim sent me a picture of the fixed gauge operating properly.

The three permits at the facility do not have emission limits or recordkeeping requirements, only opacity limits

which the company is meeting. In summary it appears that the facility is in compliance with the requirements of their air permits.

NAME *Israel Myette*

DATE 9/5/14

SUPERVISOR *M. Mitchell*