

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

B719226584

FACILITY: VERSO PAPER - QUINNESEC		SRN / ID: B7192
LOCATION: W-6791 US HIGHWAY 2, NORWAY		DISTRICT: Upper Peninsula
CITY: NORWAY		COUNTY: DICKINSON
CONTACT: Richard Menard, Environmental Engineer		ACTIVITY DATE: 08/19/2014
STAFF: Joel Asher	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Annual facility wide compliance inspection conducted 8/19/2014.		
RESOLVED COMPLAINTS:		

On 8/19/2014, a facility-wide compliance inspection was performed at this facility. My contact was Mr. Rich Menard.

Verso Paper is located in Quinnesec. In the mid 1990's the mill employed 625 staff. The mill presently employs about 465 people. This reduced number does not take into account the 100 to 150 contractors who are on-site on a regular basis. The mill has 2 1/2 environmental staff. The mill building was built in 1984 and 1985. The paper machine was built in the late 1980's. No asbestos containing materials are on-site.

The ROP for this facility (MI-ROP-B7192-2103) was reissued on 7/30/2013. It is set to expire on 7/30/2018. There are no pending modifications. The facility's ROP is a sectioned permit with 2 sections.

The focus of this inspection was to look at the record keeping requirements not specified by MACT, PSD, or NSPS standards. The inspection was conducted by starting at the beginning of the ROP and looking at each emission unit and the required record keeping conditions. These requirements were verified by randomly selecting 2 to 4 dates throughout 2013 and observing if the records were available. In all cases the required records were kept and available for observation.

## SECTION 1 - VERSO QUINNESEC, LLC

EU0101-S1 CHIP SCREENING OPERATIONS, EU01012-S1 CHIP PRODUCTION OPERATIONS, EU0106-S1 AIR DENSITY SEPARATOR, EU1125-S1 COAL CRUSHING/UNLOADING & HANDLING, EU1127-S1 FUEL HOGGING OPERATIONS, and EU1128-S1 PURCHASED FUEL HOGGING OPERATIONS - The ROP requires weekly readings and recordings. All of the above listed emission units have Basic Care Rounds which are conducted twice per day (once per 12 hour shift). These include conducting and recording the required visible emissions readings and pressure drop on the baghouse. Random dates of 4/3/13, 7/7/13, 9/15/13, and 12/25/13 were selected and recordings were observed for all dates.

EU0205-S1 DIGESTER BLOW TANK - The ROP requires monitoring and recording of the temperature and operating times of the cold water spray system. The facility's PI Prophecy is where this information is stored. Random dates of 7/7/13 and 9/15/13 were selected and observed. Water temperature and spray system operations were recorded for these dates.

EU0407-S1 WHITE LIQUOR OXIDATION SYSTEM - The ROP requires weekly visible emissions of the demister. The required VE readings are recorded in an electronic log. Random dates of 3/7/13, 6/17/13 and 10/21/13 were selected. VE readings were recorded for each of these dates.

EU0610-S1 GENERATING PLANT - The ROP requires the facility to monitor and record the flow of the scrubber liquid. Random dates of 3/7/13, 7/16/13, and 11/15/13 were observed. The flow rates were recorded for all dates. Typical flows ranged from .6 to 1 gpm.

EU0611-S1 METHANOL STORAGE TANK - The ROP requires the facility to monitor and record the amount of methanol transferred into the storage tank. A graph of 1/1/13 to 12/31/13 was observed showing the fill-ups and draw-downs of the tank.

EU0815-S1 CHEMICAL RECOVERY FURNACE - The ROP requires the facility to monitor and record the daily black liquor solid usage rate. This is limited to 4.2 million lbs/day. Random dates of 2/11/13 and 8/20/13 were selected. On 2/11/13, 4.135 million lbs were used. On 8/20/13, 4.183 million lbs were used.

**EU0917-S1 LIME KILN** - The ROP requires the facility to maintain a complete record of fuel oil specifications for each delivery of fuel oil. Mr. Menard stated due to low natural gas costs, the facility has not burned much fuel oil. The last delivery was on 6/3/10 for 20,290 gallons. Fuel oil specifications were observed. The fuel oil tank has a capacity of 1.4 million gallons.

**EU1019-S1 SLAKER** - The ROP requires the facility to monitor and record the flow rate to the scrubber. Random dates of 1/4/13, 5/27/13, and 11/1/13 were selected. Flow rates were observed for each of these dates.

**EU1121-S1 WASTE FUEL BOILER** - The ROP requires the facility to monitor the sulfur content of the coal on an intermittent basis. This has historically been determined to be once per year. This was last done on 12/10/13 and the coal was found to have .7% sulfur content. The facility is also required to monitor the coal feeder conveyor system. A graph showing the gates (5 of them) to be open or closed was observed.

**EU1228-S1 FINISHED PAPER TRIMMING** - The ROP requires the facility to perform and record weekly visible opacity observations. Random dates of 2/13/13, 7/3/13, and 10/15/13 were selected. Visible emissions readings were recorded for each of the these dates.

**EU2334-S1 CVG (LVHC) SYSTEM** - The ROP requires the facility to monitor and record the white liquor flow rate and sodium hydroxide concentration. Random dates were selected. On 1/13/13, the flow was recorded at 15 gpm and the concentration was 74 g/L. On 5/20/13, the flow was recorded at 14.2 gpm and the concentration was 75.5 g/L. On 9/3/13, the flow was recorded at 19.6 gpm and the concentration was 76 g/L.

## SECTION 2 SPECIALTY MINERALS (MICHIGAN) INC.

My contact for this portion of the facility was Ms. Terri Rose, Plant Assistant. Specialty Minerals employs 8 staff. They receive raw lime by truck or rail. The lime is processed in batches with 90% of the finished product staying onsite and used by Verso. The other 10% is trucked to other locations.

**EU2550-S2 CARBONATOR SYSTEM** - The ROP requires the facility to perform weekly visible emissions observations. A log sheet of each weekly reading is kept and was observed for the entire year of 2013.

**EU2551-S2 LIME SILO** - The ROP requires the facility to perform weekly visible emissions observations. A log sheet of each weekly reading is kept and was observed for the entire year of 2013.

All requirements of the ROP that were evaluated during this inspection were found to be in compliance. No violations of MI-ROP-B7192-2013 or the Air Pollution Control Rules were observed.

NAME



DATE

8/27/14

SUPERVISOR