

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

N517354345

FACILITY: NELSON PAINT CO		SRN / ID: N5173
LOCATION: ONE NELSON DR, KINGSFORD		DISTRICT: Upper Peninsula
CITY: KINGSFORD		COUNTY: DICKINSON
CONTACT: John Bennett , Regulatory Compliance, Maintenance, & QC		ACTIVITY DATE: 07/23/2020
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Onsite Inspection to verify compliance with PTI 354-93A and all other applicable state and federal air quality regulations		
RESOLVED COMPLAINTS:		

On July 23, 2020 I (Sydney Bruestle) performed an onsite inspection of Nelson Paint Co. located in Kingsford Michigan. While onsite I met with John Bennett, Regulatory Compliance Manager at Nelson Paint, and Michael Edwards, General Manager at Nelson Paint. Mr. Bennett gave me a tour of the facility, explained the paint making process, and provided me with records required by permit to install (PTI) 354-03A.

Facility Description:

Nelson Paint Co. began operation in 1940 and manufactures paint for forestry application, paint balls, industry, and homes. The facility currently employs 20 people. Onsite there are four "dispersers", these are large mixing tanks that blend liquid solvents, pigments, and thickeners. After the dispersion step, the mixture is added to one of 3 sandmills, these machines contain glass beads that recirculate the mixture until the pigment reaches the proper grind. Next the mixture is further processed in the let down phase, where water and solvent is added to thin the blend. In the final steps dryers are added and the paint is canned. The facility produces 90% tree marking paint. There is one baghouse used to capture emissions from 4 dispersers, 3 sand mills, the let down phase. The plant operates under PTI 354-93A, below is a summary of the requirements and compliance status. There are also photos of the equipment covered by PTI 343-93A.

Emission Limits:

VOC Emission Limit	Record Reviewed
10.6 lbs/hr	The facility was not tracking hours of operation, moving forward they will track process hours to calculate a lbs/hr VOC emission rate monthly
11 tons/year (12 month rolling time period)	4.38 Tons/year (Through May 2020)

There were no visible emissions during my inspection and all processing tanks were covered while in use. The baghouse was installed and appeared to be operating properly. The facility is keeping records of solvent usage, pigment usage, paint production, and VOC emissions (attached to the hard file of this report).

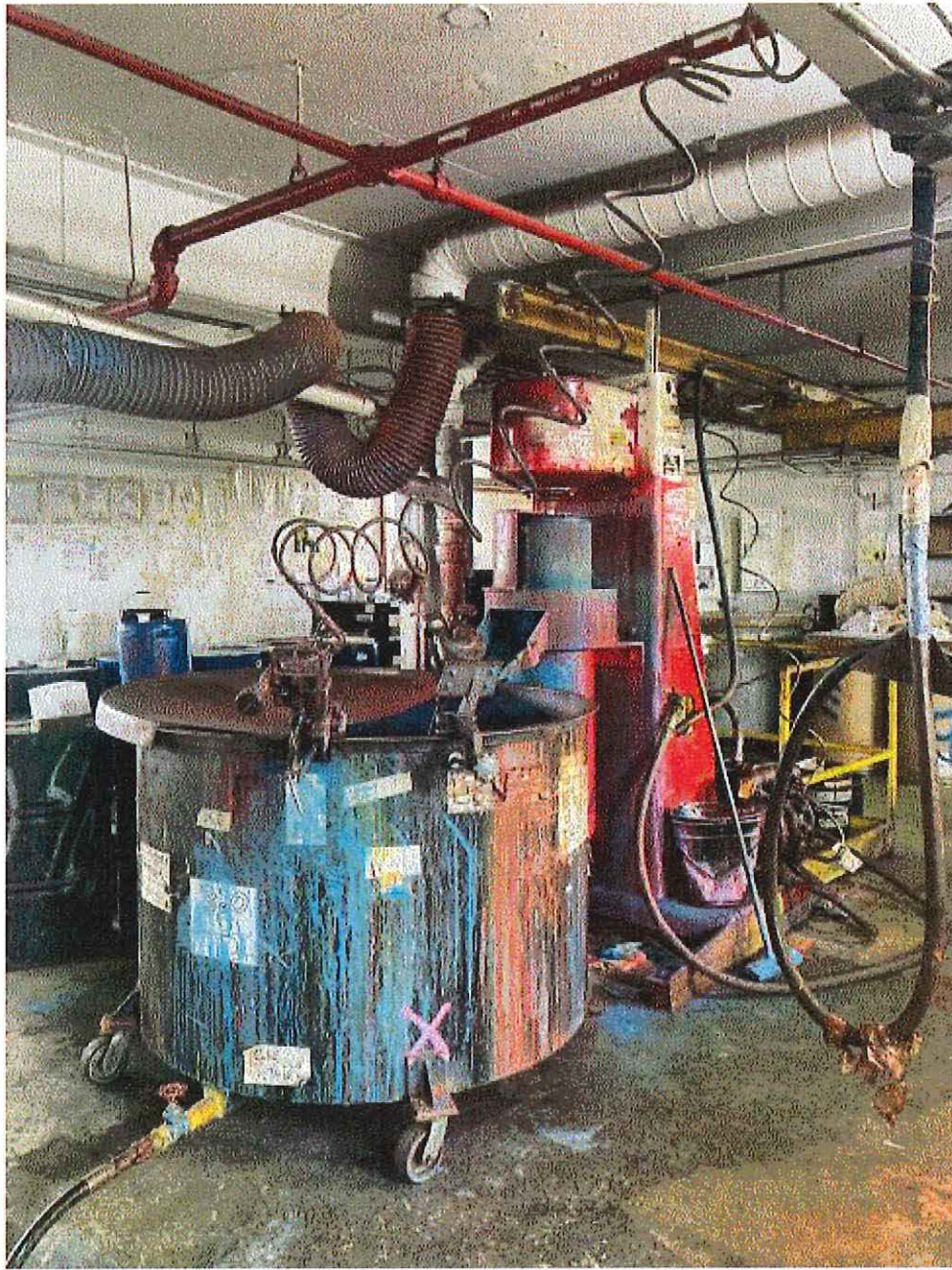


Image 1(Disperser) : The disperser is a blade mixer used to blend liquid solvents, pigments, and thickeners. Nelson Paint operates 4 dispersers.

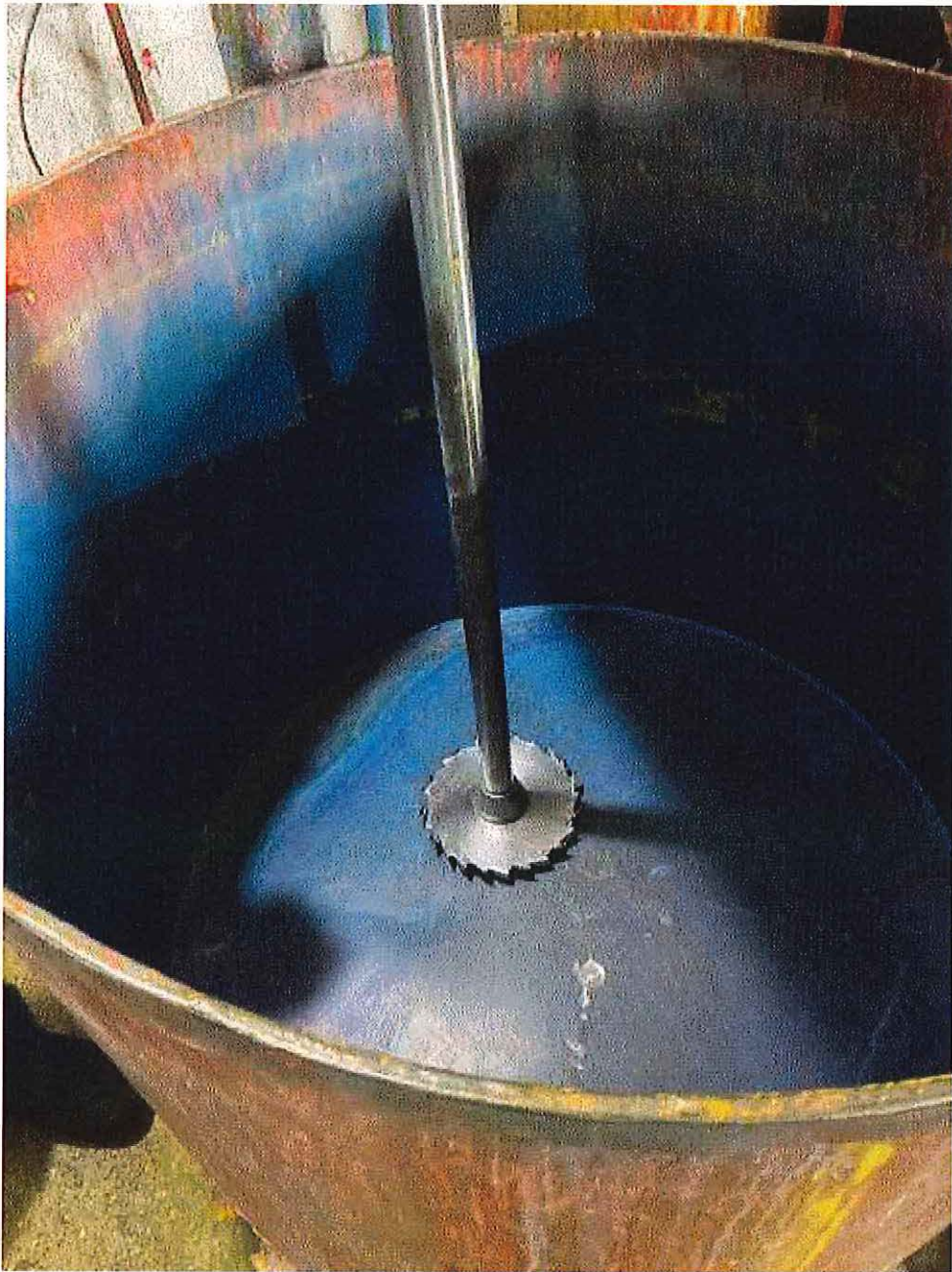


Image 2(Disperser Blade) : Inside the disperser tank



Image 3



beads.





NAME Sage Bm

DATE 7-29-20

SUPERVISOR ELL

