

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

B545338203

FACILITY: COASTAL CONTAINER CORP		SRN / ID: B5453
LOCATION: 1201 Industrial Ave, HOLLAND		DISTRICT: Kalamazoo
CITY: HOLLAND		COUNTY: ALLEGAN
CONTACT: John Settles , Maintenance / Facilities Manager		ACTIVITY DATE: 12/20/2016
STAFF: Dale Turton	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

An inspection was conducted of this cardboard box manufacturer. They receive the cardboard stock, then cut and fold the boxes to the desired size and shape.

They operate a wood fired boiler and a cardboard trimmings conveyance and capture system, both included in permit #53-80D.

The previous contact person has transferred to another company location. John Settles, Maintenance Supervisor, has taken over as the contact person.

#### EUWOODBOILER

At the time of the inspection, the boiler was operating. A reading of the differential pressure gauge on the multiclone was reading 2.2 inches of water. The company had no records of the last time the gauge was calibrated to assure the reading was accurate. The company has not figured out an accurate method of measuring the instantaneous fuel flow rate into the boiler. The boiler had several new components replaced this past summer, including new tubes.

There were no visible emissions from the boiler exhaust stack. There was not even a visible steam plume. The sawdust fuel being used in the burner is being only received from Haworth at this time. The lack of visible emissions and steam plume are a good indication that the sawdust must be free from contaminants and quite dry in nature. Also good combustion is being achieved.

The material from Haworth does meet the specifications outlined in the "Fuel Management Plan".

The company no longer has a restriction on the hours of operation for the boiler. This boiler is only used during the cold weather months.

Company personnel have been conducting and recording the required daily VE observations of the boiler stack exhaust. Each fall, two employees at the company are getting their VE certifications with Eastern Technical Associates.

The company is following the Malfunction Abatement Plan submitted in April 2009 and revised in 2010. It is recommended that better records be kept of the monthly, quarterly, and annual monitoring and the work that was performed.

The stack appears to comply with the dimensions required in the permit.

#### EUSILOS

There are two silos controlled by a baghouse during transfer operations.

There was not any sawdust being received at the facility during the inspection. Therefore, the vent could not be evaluated for visible emissions. There was no evidence of sawdust on the snow in the general area of the silos.

Company personnel have been conducting the required daily VE observations of the exhaust vent.

The company is following the Malfunction Abatement Plan submitted in April 2009 and revised in 2010. It is

recommended that better records be kept of periodic monitoring and the work that was performed.

There are two unlabeled differential pressure gauges, and presumable one is for the silo system. It is recommended that the gauge for the silo be labelled, and calibrated to assure that it is accurate.

#### EUMETERINGBIN

The metering bin was operating as a means of delivering a metered amount of fuel to the boiler. The equipment is vented through a fabric filter. There were no visible emissions from the stack during my inspection.

Company personnel have been conducting the required daily VE observations of the exhaust.

The company is following the Malfunction Abatement Plan submitted in April 2009 and revised in 2010. It is recommended that better records be kept of periodic monitoring and the work that was performed.

#### EUCONVEYANCE

This is the pneumatic system to convey cardboard trim for collection. The vast majority of the volume of material collected in large pieces of cardboard. There are a small percentage of fines associated with the slitting and cutting.

There were no visible emissions during the inspection. The cyclone collector appeared to be operated in a satisfactory manner.

Company personnel have been conducting the required daily VE observations of the exhaust.

The company is following the Malfunction Abatement Plan submitted in April 2009 and revised in 2010. It is recommended that better records be kept of periodic monitoring and the work that was performed.

#### Gas Fired Boiler

The company also operates a gas fired boiler. Being an old boiler with no documentation, they are estimating the size as about 2 million BTU/hr.

#### Labelling and Gluing

The boxes are glued together with a water based adhesive. The amount and composition of adhesives is being recorded. There were no VOC emissions resulting from the operation.

The boxes are labelled with inks. The amount and composition of inks is being recorded. There was about 0.25 ton of VOC reported annually due to this operation.

NAME Dale Tutor

DATE Jan 5, 2017 SUPERVISOR MB 1/6/2017