

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

U41180234544166

FACILITY: Crescent Electric Supply Company	SRN / ID: U411802345
LOCATION: 640 44th Street SW	DISTRICT: Grand Rapids
CITY: Grand Rapids	COUNTY: KENT
CONTACT: Renee Doane , District Operations Manager	ACTIVITY DATE: 04/17/2018
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance
	SOURCE CLASS: <i>minor</i>
SUBJECT: Unannounced, scheduled inspection.	
RESOLVED COMPLAINTS:	

Staff, April Lazzaro arrived at the facility to conduct an unannounced, self-initiated inspection. The purpose of the inspection was to determine the origins of the smoke observed by U.S. Environmental Protection Agency, Region V staff on April 10, 2018.

As I arrived at the facility, I observed smoke from the same stack the U.S. EPA reported. I went inside and met with Scott, who took me to observe what I learned was a wood pallet burning stove that is used for space heating in the warehouse. (see photos below) The facility has two identical wood pallet stoves, however Scott told me that the one at the front of the building has not been used in the two years he has worked there.

We went up to the offices and met with Renee Doane, District Operations Manager, and I told her of the purpose of my visit, and that the U.S. EPA had contacted me about their observations.

After I left the facility, I e-mailed Ms. Doane and informed her of the Rule 282(2)(b) exemption for fuel burning equipment which is used for space heating, that burns wood, wood residue, or wood waste that is not painted or treated with wood preservatives, which does not contain more than 25% plywood, chipboard, particleboard, and other types of manufactured wood boards, that is not contaminated with other waste materials, and the equipment has a rated heat input capacity of not more than 6,000,000 Btu per hour.

Ms. Doane replied (see attached e-mail) and confirmed that the space heating equipment at the facility is approximately 500,000 Btu/hr and the materials burned meet the criteria of the permit exemption.

While the equipment is exempt from permitting pursuant to Rule 282(2)(b), the pallet burner would still be subject to Rule 310, which limits the amount of visible emissions to a 6-minute average of 20% opacity, except for 1 6-minute average per hour of not more than 27% opacity. Opacity readings were not taken the day of the inspection, but the opacity observed (see attached photo) would be at the allowable limit. The company should work to reduce the amount of smoke generated by creating a more efficient burn in the unit.

Crescent Electric Supply Company was in compliance at the time of the inspection.



Image 1(Stack opacity) : Smoke observed from pallet burner.

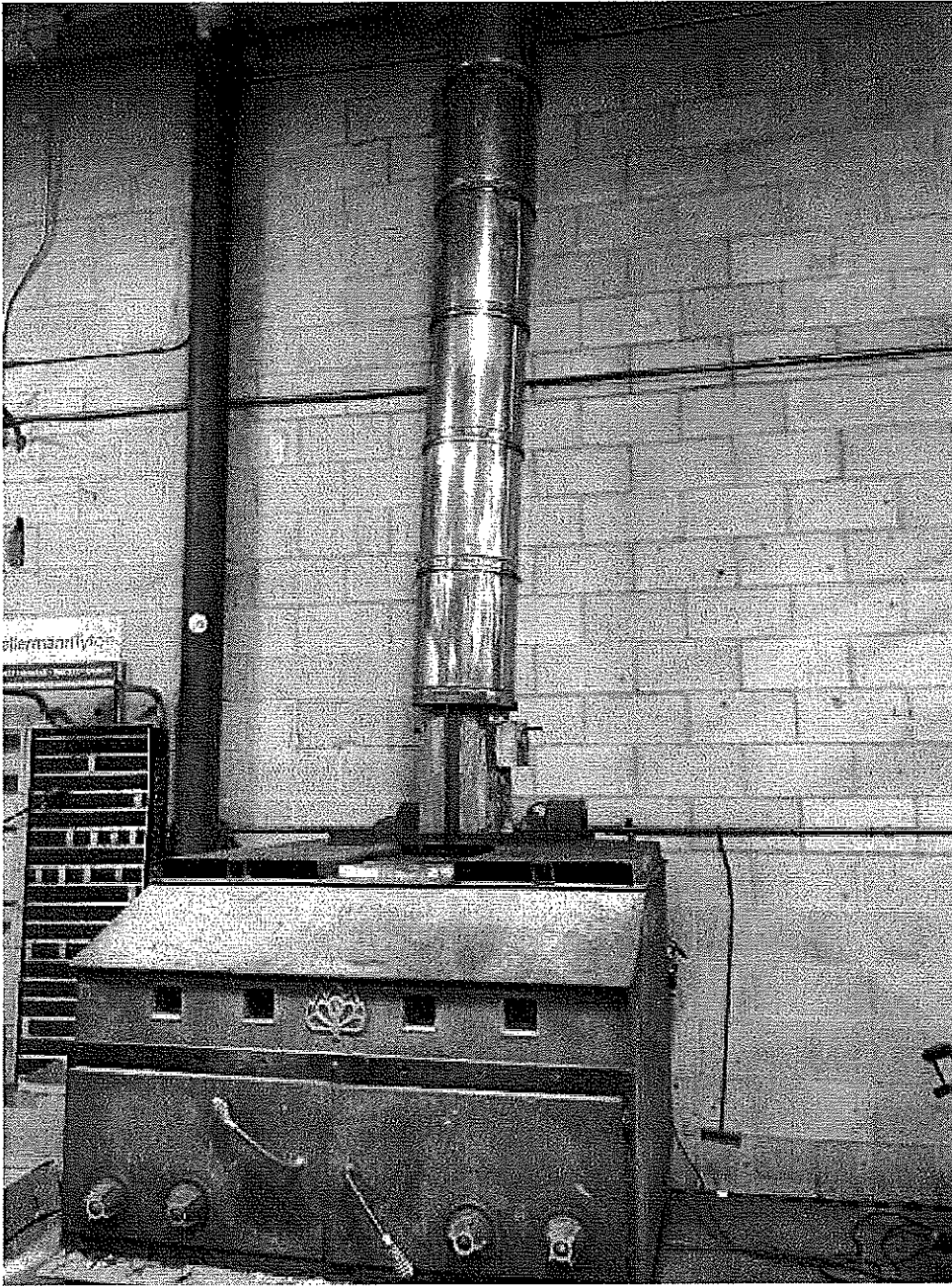


Image 2(Pallet burner #1) : Pallet burning stove #1, in use at time of inspection.



Image 3(Pallet Fuel) : Pallets being used as fuel.

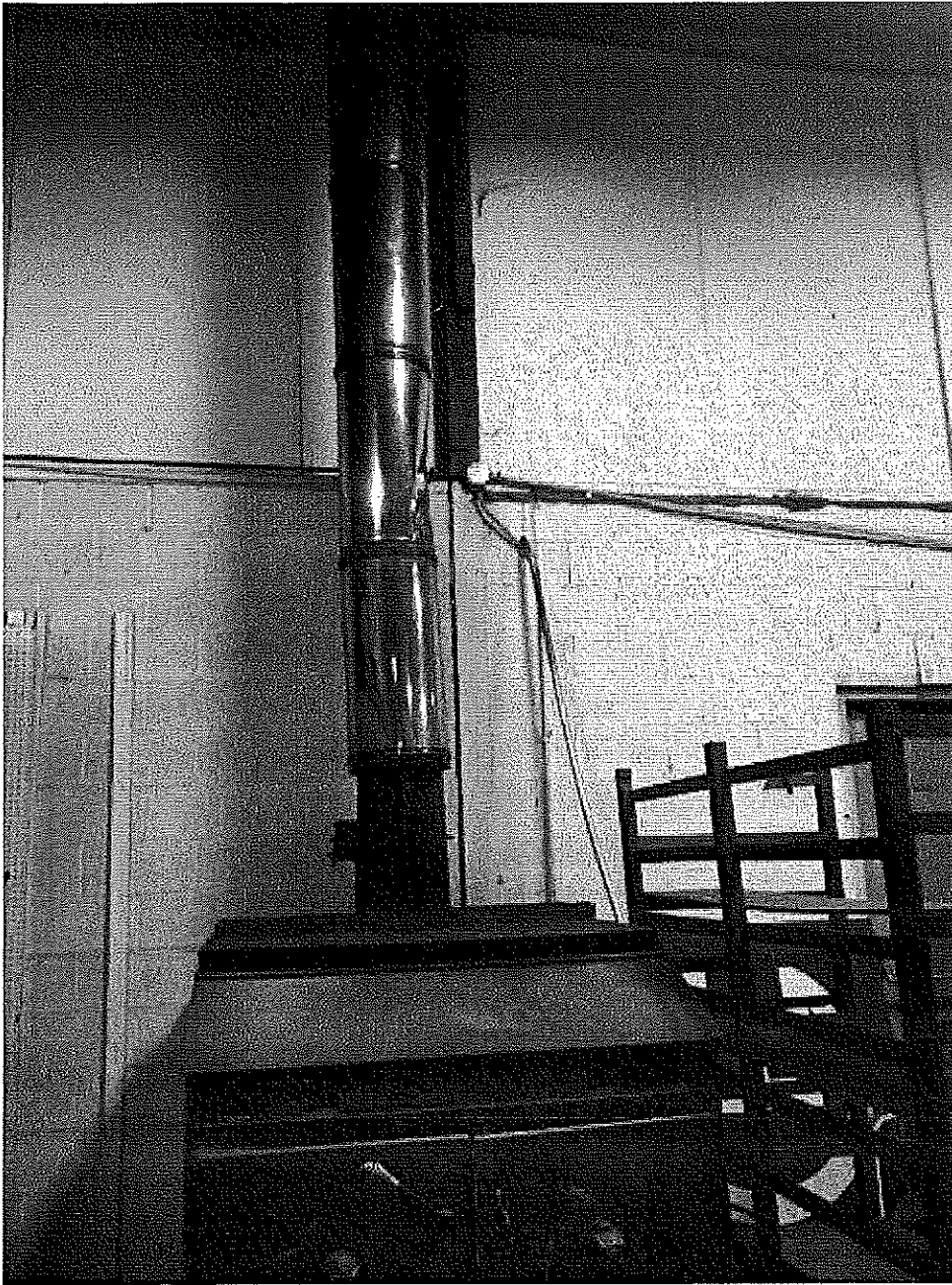


Image 4(Pallet burner #2) : Pallet burning stove, not currently in use.

NAME *April L. [Signature]*

DATE 4-20-18

SUPERVISOR *[Signature]*

