

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: On-site Inspection

N555356803

FACILITY: ROBINSON FENCE CO		SRN / ID: N5553
LOCATION: CLEGG RD RTE 1 BOX 345, PICKFORD		DISTRICT: Marquette
CITY: PICKFORD		COUNTY: CHIPPEWA
CONTACT: Tom Michalski , Owner		ACTIVITY DATE: 01/26/2021
STAFF: Michael Conklin	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted inspection for FY 21.		
RESOLVED COMPLAINTS:		

Facility: Robinson Fence Co Inc (N5553)

Location: 24254 S Clegg Rd, Pickford, Michigan 49774

Contact(s): Tom Michalski, Owner, 906-647-3301

Regulatory Authority

*Under the Authority of Section 5526 of Part 55 of NREPA, the Department of Environment, Great Lakes, and Energy may upon the presentation of their card, and stating the authority and purpose of the investigation, enter and inspect any property at reasonable times for the purpose of investigating either an actual or suspected source of air pollution or ascertaining compliance or noncompliance with NREPA, Rules promulgated thereunder, and the federal Clean Air Act.*

Facility Description

Robinson Fence Co Inc (Robinson) is a human and animal remains crematory facility located in Pickford, Chippewa County, Michigan. The facility was permitted in 1995 for an All Model 1801 cremator. The cremator fires propane and has an average burn rate of 100 lb/hr. The cremator is only allowed to burn human and animal pathological waste.

Process Description

Pathological charge is placed into the primary chamber of the crematory. An auxiliary burner preheats the afterburner chamber to 800 degrees Fahrenheit. The rate of combustion is controlled by the primary burner by limiting the amount of air and fuel into the primary chamber. The combustible gas mixture flows into the secondary chamber where more air is admitted to further oxidize the gases. The auxiliary burner in the secondary chamber provides complete combustion of all gaseous materials. Once the cremation process is complete, the remains are removed from the primary chamber.

Emissions

Pollutants emitted from crematories include NO<sub>x</sub>, CO, PM, VOC, SO<sub>x</sub>, and toxic air contaminants. Emissions are dependent on operating conditions of the air-to-fuel ratios, residence time, and temperature of combustion. The equipment type, fuel, and control device also play a role in quantities of pollutants emitted.

### Emissions Reporting

Robinson is not a MAERS subject source and does not have to report its annual emissions.

### Regulatory Analysis

Robinson is subject to PTI No. 267-95 for a type 4 crematory.

### Compliance History

The source was last inspected in 2013 and found to be in compliance with all air pollution control rules and federal regulations. No violations have been issued since the last inspection date.

### Inspection

On 01/26/2021, I (Michael Conklin) conducted a targeted inspection on Robinson to determine compliance with PTI No. 267-95 and all other applicable air pollution control rules and regulations. At the time of the inspection, Mr. Michalski was not on-site, but the crematory was operating. The crematory is located off S Clegg Rd, east of Pickford. The surrounding area is rural with no other businesses or residential houses near the property line. The cremator is an All Model 1801 that is used only for type 4 pathological waste (SC 23). The cremator is housed in a barn building with a vertical stack out the roof. The stack appeared to be at least 21 feet above the ground and no more than 20 inches in diameter (SC 21). Propane fuel lines were observed going to the crematory. While the crematory was operating, no visible emissions were observed and no odors were detected (SC 16). Since nobody was on-site at the time of the inspection, I was unable to view the control panel to check secondary combustion temperature. The cremator is not allowed to charge any waste until the secondary combustion chamber reaches a minimum temperature of 800 degrees Fahrenheit. The crematory is not allowed to be operated unless a minimum temperature of 1600 degrees Fahrenheit and a minimum retention time of 0.6 second in the combustion chamber is maintained.

On 01/29/2021, I discussed with Mr. Michalski operations of the cremator. Mr. Michalski confirmed the cremation process only begins once the secondary chamber reaches 800 degrees Fahrenheit and then reaches 1600 degrees during the cremation. Mr. Michalski also stated there have been no modifications to the cremator and no visible emissions have been observed. Robinson performs between 150 to 240 cremations per year. There have been no complaints on

this facility. The crematory appeared to be installed properly. Fuel lines were connected, stack duct work was intact, and no soot was observed around the stack (SC 18). Overall, the crematory appeared to be properly maintained and operated in a satisfactory manner. No violations of PTI No. 267-95 were observed.

Compliance

Based on the inspection, Robinson Fence Co Inc appears to be in compliance with PTI No. 267-95 and all other air pollution control rules and federal regulations.

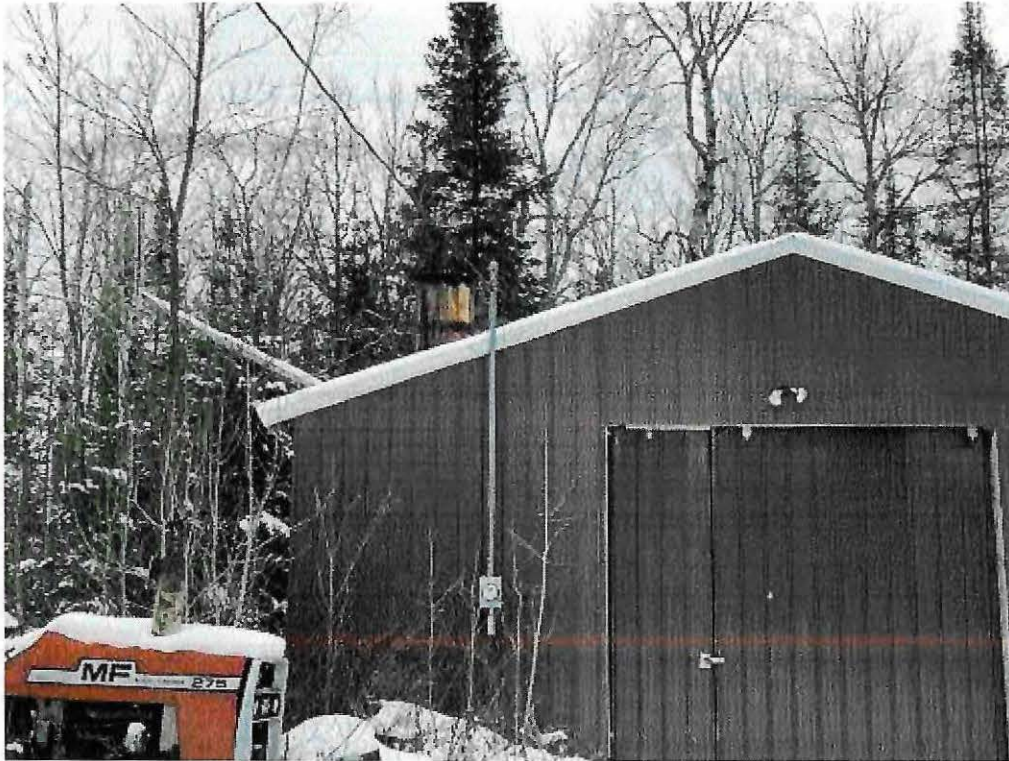


Image 1(Crematory) : No visible emissions observed from the crematory.

NAME Michael Wilson

DATE 2/9/21

SUPERVISOR ELZ