

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

N643138751

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| FACILITY: Ener Vest Operating ASE 6 CPF | | SRN / ID: N6431 |
| LOCATION: T30N-R2W, Section 32, CHESTER TWP | | DISTRICT: Cadillac |
| CITY: CHESTER TWP | | COUNTY: OTSEGO |
| CONTACT: Jeff Riling, OPERATIONS MANAGER | | ACTIVITY DATE: 02/15/2017 |
| STAFF: Shane Nixon | COMPLIANCE STATUS: Non Compliance | SOURCE CLASS: SM OPT OUT |
| SUBJECT: on-site inspection | | |
| RESOLVED COMPLAINTS: | | |

AQD staff visited Envervest Operating's ASE-6 to determine the facility's compliance with Permit to Install No. 320-05 and applicable state and federal air pollution control rules. The facility was comprised of a glycol dehydrator and a compressor engine.

The glycol dehydrator removes water from produced natural gas from the Antrim formation. The compressor engine on-site is a Caterpillar model 3512 (no control) and operating parameters observed during the inspection follow:

Operating rate: 1,157 rpm
Engine oil pressure: 72 psi
Engine coolant temperature: 250°F

The Michigan Air Emission Reporting System report indicates the Caterpillar engine replaced an Ajax engine 2014. An activity report based upon an inspection performed in 2012 indicates a Caterpillar 3512 was installed and operating. Based upon a file review, AQD was not notified of the engine change-out regardless of the year in which it was performed.

Process/Operational Limits requires Envervest to implement and maintain a preventative maintenance/malfunction abatement plan (PM/MAP). AQD discovered during a review of the PM/MAP that the engine listed is an Ajax model and has determined the PM/MAP needs to be updated. AQD staff will notify Envervest of the need to update the plan.

Testing of the engine to demonstrate compliance with emission limits was determined unnecessary at the time of the inspection. Calculations using emission factors from the engine specification sheet are an acceptable method for determining compliance with the facility-wide emission limits.

Natural gas usage is monitored on a monthly basis as per conditions of the Permit to Install and records were previously reviewed.

At the time of the inspection, the stack was not installed in accordance with the requirements of the Permit to Install. The minimum height referenced in the Permit to Install is 30 feet and the constructed stack height observed by AQD staff was approximately 16 feet. This approximation was based on using purlin spacing of the building as a reference to gauge the height of the stack. A violation notice will be sent to Envervest Operating for not complying with the stack requirements.

A compliance determination with the facility-wide emission limits and recordkeeping requirements was previously performed by AQD staff.

NAME Shane NixonDATE 2/23/17

SUPERVISOR _____