

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Stack Test Observation

B429229419

FACILITY: MERIT ENERGY CO. - KALKASKA GAS PLANT		SRN / ID: B4292
LOCATION: 1510 Thomas Road SW, KALKASKA		DISTRICT: Cadillac
CITY: KALKASKA		COUNTY: KALKASKA
CONTACT:		ACTIVITY DATE: 05/12/2015
STAFF: Shane Nixon	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: On site stack test observation		
RESOLVED COMPLAINTS:		

AQD staff traveled to the Merit Kalkaska Gas Plant to observe NOx testing of the turbine and WHRU. Upon arrival, AQD staff met with Mr. Bill Loney and Mr. Bruce Vargo. The turbine was operating at 87% load (4,631 kilowatts). Ambient temperature was 45.1°F.

The first run of the stack test was began at 8:50 am and ended at 9:50 am. Initial results indicate the NOx emissions were 0.5 pounds per megawatt-hour, which is less than the permit limit of 1.2 pounds per megawatt-hour. Should the average of three test runs be less than 0.9 pounds per megawatt-hour, the facility can test every two years instead of annually pursuant to NSPS Subpart KKKK.

AQD staff did not remain on-site for all three runs as the testing was going well and the stack testing company proved to be competent in their knowledge and application of USEPA test methods.

NAME Shane Nixon

DATE 5/15/15

SUPERVISOR 