

applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing), portable analyzers, recent on-site test data on similar engines, or any other means approved by the Department.

- b. When a new internal combustion engine is installed in accordance with Conditions 2 and 13.b., compliance with the emission limitation shall be demonstrated to the satisfaction of the Department. The demonstration may include: vendor guarantees, performance testing in accordance with applicable provisions of 25 Pa. Code Chapter 139, results from portable analyzers, recent on-site test data on similar engines, or any other means approved by the Department.

- i. For a new internal combustion engine installed in accordance with Conditions 2 and 13.b. and that has a rated capacity equal to or less than 500 bhp, vendor guarantees shall be sufficient to fulfill this requirement. However, when the NO<sub>x</sub> emissions from the facility are estimated to be equal to or greater than ninety (90) tons per year, the Department reserves the right to require an additional verification of emission rates, which may include source testing.
- ii. For a new internal combustion engine installed in accordance with Conditions 2 and 13.b. and that has a rated capacity greater than 500 bhp, but no greater than 1500 bhp, the permittee shall perform stack testing in accordance with 25 Pa. Code Chapter 139, within one hundred eighty (180) days of issuance of this General Permit. A Department-approved portable analyzer may be used in lieu of initial stack testing. The submittal of the initial testing will be extended to one year, should the permittee elect to demonstrate compliance, in lieu of testing, through an alternate means. Alternate means may include parametric monitoring of engine parameters to confirm that engine emissions are within the emission limitations.

In addition to the stack testing required by this condition, within twelve (12) months after the initial stack testing, and annually thereafter, the permittee shall perform NO<sub>x</sub> emissions tests upon each of the respective engines as stated in Condition 13.b. herein using a portable analyzer approved by the Department. The Department may alter the frequency of annual portable analyzer tests based on the results. The Department may also waive all or parts of this requirement if the permittee demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department.

The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant. The purpose of this testing is to demonstrate compliance with the emission limitations required for new engines.

- iii. If, at any time, the Department has cause to believe that air contaminant emissions from the facility covered by this General Permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the Department shall require the permittee to conduct tests deemed necessary to demonstrate compliance. The permittee shall perform such testing in accordance with the applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified, in writing, of the testing requirement.

## 17. Monitoring, Recordkeeping and Reporting