



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY



**Request for Determination of Requirement
For Plan Approval/Operating Permit (RFD)**

OFFICIAL USE ONLY

Facility Name: Delta Thermo Energy, Inc RFD Facility ID: 1012
RFD Application ID: 1737 Date Received: 09/24/2010
Reviewed BY: Shailesh R Patel Approved Date: 10/14/2010
Approved By: Raymond Kempa

- A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9))
- An operating permit is not required for this source (See 25 Pa. Code Section 127.443(a))
- The source(s) do(es) not qualify for exemption. Applicant is required to submit a plan approval application.
- The source(s) do(es) not qualify for exemption. Applicant is required to submit an operating permit application.

Remarks

1. Within 120 days after achieving full capacity, but not more than 180 days following commencement of operation, the company shall conduct stack tests to determine and verify the actual emission rates for the criteria pollutants and metals. Such testing shall be conducted in accordance with the provisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department. The stack tests shall be performed while sources are operating at the maximum rated capacity as stated on the application. If testing is performed at a rate of less than full production, operation is restricted to the process input rate of testing at such level until a subsequent compliance test is performed at a maximum rated capacity. The company shall contact the Department prior to the stack test to obtain a list of metals to be tested and any additional compounds that the Department determines necessary to test. 2. At least two weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test. 3. At least sixty (60) days prior to the test required by condition above, a pre-test protocol shall be submitted to the Department for review. 4. Within sixty (60) days of the completion of the test required by condition above, two copies of the complete test report, including all operating conditions shall be submitted to the Regional Air Quality Program Manager. 5. The stack test results must show that the actual emission rates are in compliance with the following emissions limitations for a Research and development activities. In the event the tested emissions rates are exceeded, the owner or operator shall repeat the stack test within 30 operating days after the date on which the initial stack test was completed. If the tested emissions in the retest exceed the following emissions rates, the owner or operator must cease operation until a plan approval is issued for the sources. i. Less than or equal to 10 tpy of CO; ii. Less than or equal to 0.06 tpy of lead; iii. Less than or equal to 1.5 tpy of PM10; iv. Less than or equal to 4 tpy of SO2 or VOC; v. Less than or equal to 5 tpy of NOx; vi. Less than 1000 lbs/yr of a single HAP or one tpy of a combination of HAPs that does not include Polychlorobiphenols (PCBs), Chromium, Mercury (Hg), Lead (Pb), Polycyclic Organic Matter (POM), Dioxins and Furans 6. Pursuant to the requirement of 25 PA Code §123.31, the owner/operator may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated. 7. The company shall not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following: (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour. (2) Equal to or greater than 60% at any time. 8. The company shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source at the facility in such a manner that emissions are visible at the point the emissions pass outside the plant property line. 9. Under Research and development



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provision of 25 PA Code, the company shall not engage in the commercial sale of electricity produce at the facility except in de minimis amounts on an infrequent basis. .

Conditions