



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 12, 2025

Effective Date: June 12, 2025

Expiration Date: December 31, 2026

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 43-00196E

Federal Tax Id - Plant Code: 83-0598308-2

Owner Information

Name: WABTEC US RAIL INC
Mailing Address: 1503 W MAIN STREET EXT
GROVE CITY, PA 16127-2513

Plant Information

Plant: WABTEC US RAIL GROVE CITY ENGINE/MERCER
Location: 43 Mercer County 43931 Pine Township
SIC Code: 3519 Manufacturing - Internal Combustion Engines, Nec

Responsible Official

Name: JUSTIN SOKOL
Title: VP GROVE CITY OPERATIONS
Phone: (724) 450 - 3100 Email: justin.sokol@wabtec.com

Plan Approval Contact Person

Name: ZAMBIA LOGERO
Title: EHS MANAGER
Phone: (724) 450 - 8432 Email: zambia.logero@wabtec.com

[Signature] _____
LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER

[Plan Approval Description](#)

This plan approval is for the removal of Control Device C132F associated with Source 132F.



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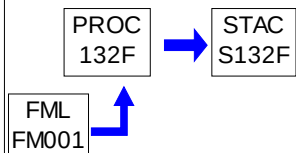
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
132F	DIESEL ENGINE TEST CELL 6		
FM001	DIESEL TANKS (3)		
S132F	DIESEL ENGINE TEST CELL 6 STACK		

PERMIT MAPS

**SECTION B. General Plan Approval Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

#013 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All applicable conditions as specified in Title V operating permit 43-00196 shall remain in effect unless superseded or amend by a condition contained herein. If there is a conflict between a condition contained in the Title V operating permit 43-00196 and a condition contained herein, the permittee shall comply with the condition contained herein rather than the conflicting condition contained in the Title V operating permit 43-00196. This condition will go into effect once the control device is removed. Until such time the conditions specified in Title V operating permit 43-00196 remain in effect.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

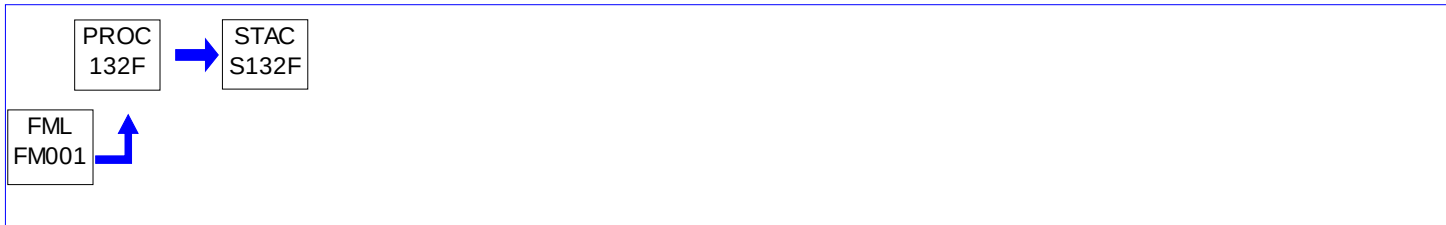
No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 132F

Source Name: DIESEL ENGINE TEST CELL 6

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 25 Pa. Code Sections 129.114, the permittee shall not permit the emission of each pollutant in the exhaust of Source 132F:

(a) the nitrogen oxide emissions from Source 132F shall not exceed 0.056 pounds per gallon of diesel fuel fired and 6.77 tons per year as a 12 month rolling average.

(b) the volatile organic compound emissions from Source 132F shall not exceed 0.0025 pounds per gallon of diesel fuel fired and 0.26 tons per year as a 12 month rolling average.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, and 25 Pa. Code Sections 129.114 the permittee shall not permit the emission of each pollutant in the exhaust of Source 132F:

(a) the carbon monoxide emissions from Source 132F shall not exceed 0.0042 pounds per gallon of diesel fuel fired and 0.57 tons per year as a 12 month rolling average.

(b) the sulfur oxide emissions from Source 132F shall not exceed 0.00021 pounds per gallon of diesel fuel fired and 0.03 tons per year as a 12 month rolling average.

(c) the particulate matter emissions with an aerodynamic of 2.5 micron (PM/PM10/PM2.5) emissions from Source 132F shall not exceed 0.001 pounds per gallon of diesel fuel fired and 0.13 tons per year as a 12 month rolling average.

Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack tests.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, and 25 Pa. Code Sections 129.114 the permittee shall only use ultra-low sulfur diesel (ULSD) fuel with a sulfur content not to exceed 15 parts per million as fuel for all tests performed in Source 132F.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 25 Pa. Code Sections 129.114, the permittee shall only fire a total combined 272,085 gallons of diesel fuel in any 12 consecutive month period for all tests performed in Source 132F.

**SECTION D. Source Level Plan Approval Requirements****II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) Within 180 days after removal of the ATS, a stack test shall be performed on the test cell in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the engines are operating within 10% of 100% peak (or the highest achievable) load and the largest capacity engine of each kind (Marine, Locomotive, and Stationary) that is available at the time of the test shall be tested.

The stack test shall determine the following emission rates in lbs/gal: CO, NO_x, SO₂, PM, and NMNEHC. Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack tests.

b) The stack testing program shall be repeated within twelve (12) to eighteen (18) months prior to the expiration of the facility's current operating permit (reoccurring).

c) In the event that any deadlines set forth in this condition cannot be met, the permittee may request an extension which shall include a justification for the extension, in writing prior to the deadline. The Department may grant an extension for reasonable cause.

1) Pursuant to 25 Pa. Code § 139.53(a)(3), at least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

i) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emission testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in part (1). If modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack test manual has been revised since the approval, a new protocol shall be submitted

2) Pursuant to 25 Pa. Code § 139.53(a)(3), at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (8) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

3) Pursuant to 25 Pa. Code § 139.53(a)(3), if the proposed testing did not occur per the required notification in paragraph (2) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (8) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.

4) Pursuant to 25 Pa. Code § 139.53(a)(3), a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

5) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

i) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

ii) Permit number(s) and condition(s) which are the basis for the evaluation.

iii) Summary of results with respect to each applicable permit condition.

iv) Statement of compliance or non-compliance with each applicable permit condition.

6) Pursuant to 25 Pa. Code § 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

7) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

8) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3):

i) All submittals, besides notifications (protocols & reports only), shall be accomplished through PSIMS*Online, available through: <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available. Notifications shall be sent via OnBase: <https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

ii) If internet submittal cannot be accomplished, one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

iii) Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

**SECTION D. Source Level Plan Approval Requirements**

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

9) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

10) Actions Related to Noncompliance Demonstrated by a Stack Test:

- i) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- ii) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- (a) The permittee shall keep records of the number of gallons of diesel fuel fired in each test performed in Source 132F on a monthly basis to verify compliance with the annual throughput limitation.
- (b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.
- (c) The company shall keep a record of the sulfur content (in ppm) in the fuel being combusted in the test cell.
- (d) The company shall keep a record of any mass balance calculation(s) for sulfur dioxide to demonstrate that the short-term emission limit for sulfur dioxide has not been exceeded.
- (e) The company shall keep a record of:
 - (1) the date and time that the engine started operation in the test cell;
 - (2) the date and time that the engine ceased operation in the test cell;
 - (3) the total amount of time that the engine operated in the test cell.
- (f) The company shall keep a record of the type of each engine tested in the test cell.
- (g) Monthly emissions shall be calculated based on the number of each engine type tested during the month, the fuel usage for each engine tested, and the corresponding emission factors provided in the Plan Approval application for each engine

**SECTION D. Source Level Plan Approval Requirements**

type. 12-month rolling emissions shall also be tabulated on a monthly basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The company shall install, operate and maintain the engine test cell in accordance with the manufacturer's specifications as well as good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, and 25 Pa. Code Sections 129.114 the permittee shall only perform tests on engines to be certified pursuant to the Tier 4 (or subsequent tiers with lower emission standards) requirements of 40 CFR Part 1033, 40 CFR Part 1042, or 40 CFR Part 60, Subpart IIII in Source 132F.

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The following emission factors shall be used to calculate emissions for each type of engine.

Evo Loco-Tier 4-Std Cycle Emission Factors (lb/gal):

NOx - .0455
CO - .0042
VOC - .0006
SO₂ - .00021
PM₁₀ - .001
CO₂ - 22.58

Evo Marine 12V250 Tier 4 Emission Factors (lb/gal):

NOx - .0557
CO - .0037
VOC - .0021
SO₂ - .00021
PM₁₀ - .0006
CO₂ - 22.58

Stationary 16V250 Tier 4 Emission Factors (lb/gal):

NOx - .0490
CO - .0042
VOC - .0025

**SECTION D. Source Level Plan Approval Requirements**

SO₂ - .00021

PM₁₀ - .0006

CO₂ - 22.58

90 days after demonstrating compliance through department approved stack testing, the facility shall submit new emission factors based on the stack test results for department review and approval. The new emission factors shall be incorporated into the facilities operating permit. The newly approved emission factors shall supercede the above emission factors from this plan approval.



SECTION E. Source Group Plan Approval Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
132F	DIESEL ENGINE TEST CELL 6		
Emission Limit		Pollutant	
0.004	Lbs/Gal		CO
0.570	Tons/Yr	as a 12-month rolling average	CO
0.056	Lbs/Gal		NOX
6.770	Tons/Yr	as a 12-month rolling average	NOX
0.001	Lbs/Gal		PM10
0.130	Tons/Yr	as a 12-month rolling average	PM10
0.030	Tons/Yr	as a 12-month rolling average	SOX
0.003	Lbs/Gal		VOC
0.260	Tons/Yr	as a 12-month rolling average	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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SECTION H. Miscellaneous.



***** End of Report *****
