

FEDERAL OPERATING PERMIT - TECHNICAL REVIEW SUMMARY

SITE OPERATING PERMIT (SOP) RENEWAL

Permit #:	02079	Company:	Hays Energy, LLC
Project #:	35823	Site:	Hays Energy Facility
Regulated Entity #:	RN100211689	Application Area:	Hays Energy Facility
Region:	11	Customer #:	CN600125611
NAICS Code:	221112	County:	Hays
Permit Reviewer:	John Walker	NAICS Name:	Fossil Fuel Electric Power Generation

SITE INFORMATION

Physical Location: 1601 Frances Harris Ln
Nearest City: San Marcos
Major Pollutants: CO, NOX, PM, SO2, VOC, CO2
Additional FOPs: None

PROJECT SUMMARY

Hays Energy, LLC, Hays Energy Facility is a Fossil Fuel Electric Power Generation facility subject to the requirement of 30 TAC Chapter 122 which requires it to apply and obtain a Federal Operating Permit (FOP). The FOP was last renewed on April 25, 2019. A timely renewal application was received by TCEQ on October 20, 2023. Significant emission sources at the site include engines, turbines, maintenance painting, lube oil reservoirs, diesel unloading, and cooling towers, which are subject to State and/or Federal regulations. The FOP includes general and special terms and conditions and unit specific applicable requirements which were identified using information provided by the applicant in various forms (OP-1, OP-2, OP-ACPS, Form OP-AR1, Certificate of Representation, OP-REQ1, OP-REQ3, OP-SUMR, OP-MON, OP-PBRUP, OP-CRO1, and various Unit Attribute Forms). The form OP-CRO1 certifies the information present in the application.

The company indicated on Form OP-REQ1 that the site has emission units in the application area subject to the Acid Rain Program and the Cross-State Air Pollution Rule (CSAPR) Trading Program.

This permit has an existing Appendix B for NSR 40040/PSDTX923 with an issuance date of June 14, 2023.

PROCESS DESCRIPTION

The Facility is primarily four combined-cycle gas turbine electric power generation units. The Facility consists of four Alstom (formerly ABB) GT24 turbines, four heat recovery steam generator (HRSG) units not equipped with duct burners, four steam turbines, various storage tanks, emergency engines, and other ancillary equipment.

TECHNICAL REVIEW

Permit Content Summary

1. Was Periodic Monitoring (PM) required and included in the permit?..... Yes
2. Was Compliance Assurance Monitoring (CAM) required and included in the permit?..... No
3. Was case-by-case PM or CAM included in the permit?..... Yes
4. Was a permit shield requested?..... Yes
5. If a permit shield was requested, was any permit shield request denied?..... No
6. Identify if the following are applicable for this project:
 - (a) Manually-built applicable requirements..... No
 - (b) Customized Special Terms and Conditions..... Yes
 - (c) Manual changes to the IMS-generated applicable requirements..... No
 - (d) Alternate means of compliance for any emission unit/source at the site..... No
7. Is the site subject to the requirements of 40 CFR Part 72 (Acid Rain Permit)?..... Yes
8. Did the applicant's review/comments on the working draft permit result in changes to the permit content?..... No
9. Will the draft permit be sent to public notice with unresolved issues

(i.e., disagreements with applicant)?..... No

Permit reviewer notes:

Periodic Monitoring:

- Case-by-case periodic monitoring was added due to the removal of previous periodic monitoring option PM-P-031 for Unit IDs COOL3 and COOL4 for 30 TAC Chapter 111 requirements. Previously these units were using PM-P-031 which is no longer associated with the applicable requirements. The periodic monitoring was added as case-by-case to mimic previously approved periodic monitoring. The “quarterly” frequency for COOL3 and COOL4 units is approved despite the units being a vent subject to 30 TAC §111.111(a)(1)(C) that require more frequent monitoring because the type of emissions generated from the cooling tower unit is water vapor and not particulate matter. This frequency, and the periodic monitoring as a whole, was previously approved by PM/CAM specialist Alfredo Mendoza in renewal project 27422. The deletion of PM-P-031 and addition of the identical case-by-case periodic monitoring in this project was approved by PM/CAM specialist John Walker.
- Periodic Monitoring Option PM-P-029 is carried forward for Group ID GRPSTACK for 30 TAC Chapter 111 requirements.

No new permit shields were requested and all permit shields remain valid and are carried forward.

- *NOTE*: Unit IDs COOL3 and COOL4 were removed from OP-UA13 in this project due to MACT Q no longer being applicable. Their permit shields have been retained on Form OP-UA15. Permit Shields for Unit IDs ENG1, ENG2, ENG3, and ENG4 are now documented under Group ID GRPEMGEN and ENG5 negative applicability basis of determination text was updated for NSPS IIII.*

The following customized General and Special Terms and Conditions exist in the permit:

- The General Terms and Conditions for Acid Rain permit and Cross-State Air Pollution Rule reporting is customized and carried forward.

Per applicant’s request. The current boilerplate language (the standard format of terms) requires applicants to submit a cover letter for all reports required by the permit. The applicant requested to modify it since the federal Acid Rain and Cross-State Air Pollution Rule programs require electronic reporting in a prescribed format which eliminates the need for a cover letter. Per the applicant’s request, the term (IMS Term 02) is modified as follows: All reports required by this permit, except for reports required solely by the Acid Rain permit or the Cross-State Air Pollution Rule trading program, unless they are being used to demonstrate compliance with another requirement, must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).’ This language is taken from an older boiler plate language, which can be found in GroupWise and Title-V Guidance Documents (under Other Permit Review Process Related Topics > SOP Skeleton (Boilerplate Terms and Conditions)).

- Permit Term 1.E (IMS Term A.001.G) was customized to identify the 30 TAC Chapter 113 subpart which incorporates MACT ZZZZ by reference and is carried forward.
- Permit Term 11 (IMS Term B.142) was customized to identify the submittal date of Form OP-PBRSUP in this project.
- Permit Terms 21 (IMS Term L.162), 22 (IMS Term R.164), and 22.B.(i).(1) (IMS Term R.164.B.i.2) were customized to identify the units subject to Acid Rain and CSAPR requirements and are carried forward.

The company indicated on Form OP-REQ1 that the site has emission units in the application area subject to the Acid Rain Program.

The applicant reviewed and approved the WDP in an email dated 04/22/2024 which is in the permit file. Changes made after working draft permit review updated the Form OP-PBRSUP submittal date in Permit Term 11.

Statement of Basis

A Statement of Basis sets forth the legal and factual basis for the applicable requirements that are included in the FOP. A

Statement of Basis was prepared for this project and is included in the permit file.

Compliance History Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on June 20, 2024.

Site rating: 0.00 / High Company rating: 0.00 / High

(High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)

2. Has the permit changed on the basis of the compliance history or site/company rating?..... No

Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS?..... No

2. Is a compliance plan and schedule included in the permit?..... No

Delinquent Fee Check

1. The delinquent fee check was performed on June 20, 2024.

2. Were there any delinquent fees owed? No

Public Notice Information

1. Were comments received from the applicant after the draft permit was mailed and before Public Notice was published?..... No

2. Was a revised draft permit or public notice authorization package (PN-Errata) sent for any reason?..... No

3. Publication date: July 18, 2024 Newspaper name: San Marcos Daily Record

4. Was bilingual public notice published?..... Yes

Publication date: July 18, 2024 Newspaper name: El Mundo Newspaper

5. Were comments received during Public Notice period?..... No

(a) Was a public hearing requested?..... No

(b) Was a public hearing held?..... No

(c) Was the public hearing request withdrawn?..... No

(d) Was permit content changed as a result of any public comments?..... No

6. Was re-publication necessary?..... No

Permit reviewer notes:

On 09/11/2024, the CID was checked to verify no public comments were received.

EPA Review

1. Did EPA comment on the draft permit?..... No

2. Was a separate NOPP - Notice of Proposed Permit sent to the EPA?..... No

If yes, did the EPA comment on the proposed permit?..... No

3. Were any changes made to the permit after the EPA Review Period?..... No

If yes, were these changes made within the 60 day Public Petition Period?..... No

Permit reviewer notes:

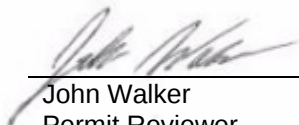
On 09/11/2024, the CID was checked to verify no EPA comments were received.

IMPORTANT MILESTONES

Milestone (Standard)	Start Date	End Date
Date Application Received by TCEQ	10/20/2023	
Date Project Received by Engineer	12/08/2023	
Technical Review Period	02/15/2024	04/22/2024
Working Draft Permit Reviewed by Applicant	04/16/2024	04/22/2024

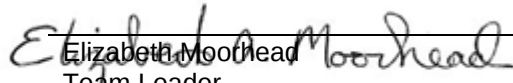
Date PNAP/Draft Permit Mailed	06/28/2024	
Public Notice Comment Period	07/18/2024	08/17/2024
EPA Review Period	07/23/2024	09/06/2024
Date Sign Posting Certification Received	08/20/2024	

EFFECTIVE PERMIT ISSUANCE DATE: September 18, 2024



 John Walker
 Permit Reviewer
 Operating Permits Section
 Air Permits Division

09/12/2024
 Date



 Elizabeth Moorhead
 Team Leader
 Operating Permits Section
 Air Permit Division

09/12/2024
 Date

CONTACT INFORMATION

Responsible Official:

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