

IMPACT

Inventory, Monitoring, Permitting, And Compliance Tracking Data System



WYOMING DEPARTMENT OF
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AN OVERVIEW OF THE WDEQ'S IMPACT SYSTEM

Version 10.1 | Build ID: 23.0.0

Welcome aqdimapact

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Facility Information

Facility ID: F026263	Facility Name: AQD Test Facility	District: District 1
Facility Type: Pipeline Station	Company Name: Wyoming Air Quality Division	County: Laramie
Physical Address: Section 22, 12N, 68W	City: Laramie County	
Lat/Long: 41.00000/-105.00000	PLSS: S22-T12N-R68W	

▼ In Progress Tasks

Select	Task Type	Task Description	Dependent on Task	Created Date	User Name
Delete selected task(s) Printable view Export to excel					

IMPACT

- ◆ Developed through a collaboration with the State of Ohio Environmental Protection Agency (Ohio EPA).
- ◆ Designed to allow the Air Quality Division (AQD) of the Wyoming Department of Environmental Quality to:
 - Better manage the flow of information and data across all of its programs,
 - Provide better service to Industry,
 - Improve data quality, and
 - Offer increased transparency within the Division and between the Division and Industry.
- ◆ IMPACT represents a new way of conducting business electronically for the State.



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Benefits/Efficiency Gains

- ◆ Increase transparency of information within the AQD, between the AQD and regulated community, and to the public.
- ◆ Minimize air quality administrative permit processing and data entry times.
- ◆ Validation of data submissions reduce requests for additional information.
- ◆ Minimize repetitive data entry for reports, emission inventories, and permit applications.



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Benefits/Efficiency Gains

- ◆ Ability to submit data electronically, reducing/eliminating the need for paper.
- ◆ CROMERR compliant e-signature and electronic submission allows authorized users to submit from anywhere in the world (with an Internet connection).
- ◆ Adoption of IMPACT allows the Division to shift its resources from performing data entry to data analysis.
- ◆ Increase collaboration and communication with the State of Ohio EPA, Gila River Indian Community Air Quality Department, and the Maricopa County Air Quality Department.

High Level Achievements

- ◆ Over 40,000 reports, applications, and facility changes submitted electronically by Industry since September 2, 2014.
- ◆ Currently around 600 Industry users, representing around 250 companies.
 - 97.5% of Title V Facilities with Portal Access.
- ◆ The AQD has issued over 4,345 NSR permits and waivers (authorization letters) through IMPACT, including both paper and electronically submitted applications.
- ◆ Since IMPACT went live:
 - Average time from application receipt date to NSR permit issuance decreased by over 40 days when submitted electronically compared to paper.
 - Average time from application receipt date to NSR waiver (authorization letter) issuance decreased by over 14 days when submitted electronically compared to paper.

Lessons Learned

- ◆ Resistance to change/culture differences.
 - Technology not the issue; getting buy-in from staff is where projects either succeed or fail.
 - Fierce ownership of existing systems; not wanting to let go of those systems.
- ◆ Good customer service is necessary to assist Industry in learning a new system, and Industry is open to learning.
- ◆ IT issues are difficult to resolve at times.
- ◆ Developed a committee of highly capable and technical staff, from each program within AQD, to collaborate and resolve system-related issues.



New Features – Permit Tables

- ◆ New Permit Table Layout - Clicking the *Permits* option from the Facility Information page now loads NSR permits/waivers (authorization letters) and Title V Permits into two separate tables. Clicking the Workflow Diagram link will show the permitting workflow progress for that particular permit.

▼ NSR Permits/Waivers

Permit Number	Legacy Permit Number	Application Number(s)	Action	Reason(s)	Public Notice					Final			Rescission Date	Description	Workflow Diagram Link
					Start Date	End Date	Public Notice Document	Permit Analysis Document	Public Comments	Final Permit/Waiver Document	Final Issuance Date	Expiration Date			
Printable view Export to excel															

▼ Title V Permits

Permit Number	Legacy Permit Number	Application Number(s)	Reason(s)	Public Notice					Proposed			Final				Rescission Date	Description	Workflow Diagram Link
				Start Date	End Date	Public Notice Document	Draft Statement of Basis Document	Draft Title V Permit Document	Public Comments	Date Permit Sent to EPA	Proposed Statement of Basis Document	Proposed Title V Permit Document	Final Statement of Basis Document	Final Title V Permit Document	Final Issuance Date			
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New Features – NSR Permit Table

▼ NSR Permits/Waivers

Permit Number	Legacy Permit Number	Application Number(s)	Action	Reason(s)	Public Notice					
					Start Date	End Date ▼	Public Notice Document	Permit Analysis Document	Public Comments	Final Permit Document
P0022765		A0004151	Permit	Modification	3/29/2017	4/28/2017	Public notice PDF	NSR Analysis Document (PDF)	Company Comments - pdf NSR Response to Company Comments	Final Permit Document (pdf)



New Features – TV Permit Table

▼ Title V Permits

Permit Number	Legacy Permit Number	Application Number(s)	Reason(s)	Public Notice						Date Permit Sent to EPA
				Start Date	End Date	Public Notice Document	Draft Statement of Basis Document	Draft Title V Permit Document	Public Comments	
P0023201		<u>A0005034</u>	Initial	9/4/2018	9/4/2018	<u>TV Public Notice</u>	<u>Draft Statement of Basis</u>	<u>Draft TV Permit</u>		9/5/2018



New Features – Permit Workflow

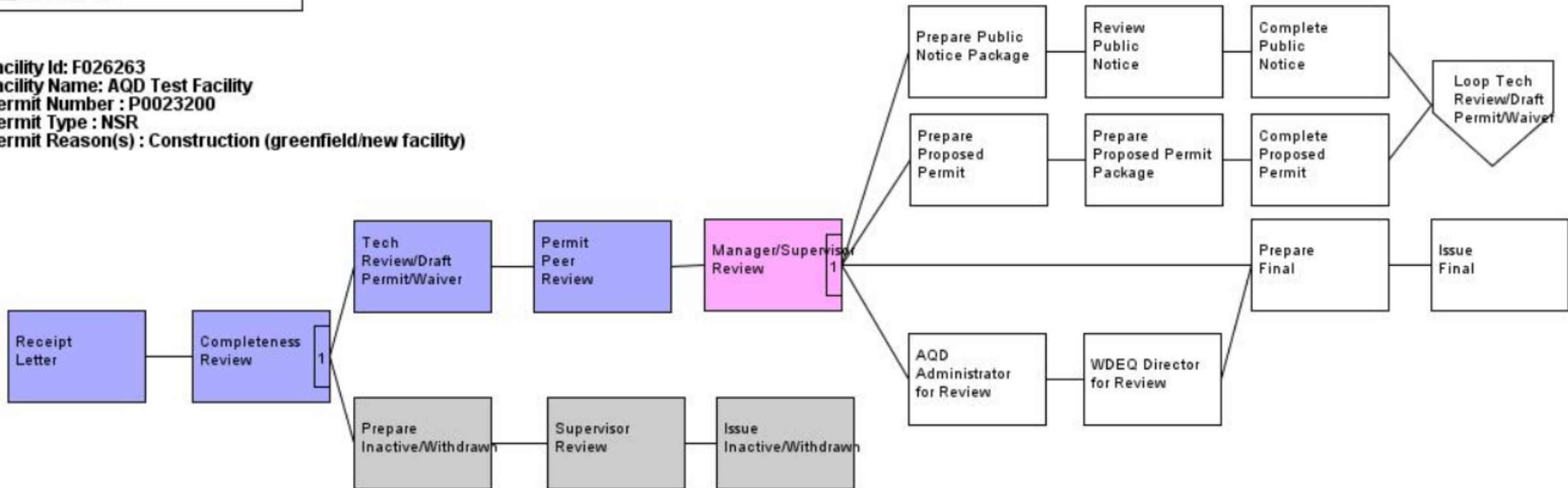
Workflow Diagram

Permitting 46201

Task Legend



Facility Id: F026263
Facility Name: AQD Test Facility
Permit Number : P0023200
Permit Type : NSR
Permit Reason(s) : Construction (greenfield/new facility)





New Features – RP Calculation

- ◆ Facility Inventory Calculation for Release Points (RP) - Users now only enter values for a vertical or horizontal release point for Stack Diameter (ft) and Exit Gas Flow Velocity (ft/s). IMPACT calculates the Exit Gas Flow Rate (acfm).

▼ Release Point Type Specific Information

* Base Elevation (ft):	<input type="text" value="3333.00"/>	
	Feet above sea level	
* Stack Height (ft):	<input type="text" value="215.00"/>	* Stack Diameter (ft): <input type="text" value="1.65"/>
	Feet above base elevation	
* Exit Gas Velocity (ft/s):	<input type="text" value="51.73"/>	* Exit Gas Temp (F): <input type="text" value="385.00"/>
Exit Gas Flow Rate (acfm):	6636.69	
	Flow rate is calculated by IMPACT: $3.1415927 * \text{Velocity} * 60 * (\text{Diameter}/2)^2$	

New Features – NSR Permit & EU

- ◆ NSR Application and Emission Unit Updates
 - Affects Tank, Pneumatic Equipment, and Fugitive Emissions Units

▼ Emission Unit Type Specific Information

Fugitive Emission Type - Fugitive Leaks at Oil and Gas Sites:

Total Count of Component:

Component	Gas	Heavy Oil (≤20° API)	Light Oil(>20° API)	Water/Condensate
Connectors	0	0	0	0
Flanges	0	0	0	0
Open Ended Lines	0	0	0	0
Pump Seals	0	0	0	0
Valves	0	0	0	0
Other	0	0	0	0

Printable view

Export to excel



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Coming Soon - OpenAir

OpenAir – IMPACT Public-Facing Website

- Coming early November 2018
- openair.wyo.gov

The WDEQ Air Quality IMPACT Public Website Disclaimer:

This tool allows you to search the Wyoming Air Quality Division's IMPACT database. Improper or incorrect use of this tool may cause unexpected or inaccurate results. Although every attempt is made to ensure that the information contained in the database is accurate, the Wyoming Department of Environmental Quality (DEQ) is not responsible for any loss, consequence, or damage resulting directly or indirectly from reliance on the accuracy, reliability, or timeliness of the information that is contained in this database. Users assume the entire risk of using the data contained in IMPACT. DEQ is providing this data "as is;" and no warranty expressed or implied is made, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. In no event will DEQ be liable to any user or third party for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profit resulting from any use or misuse of this data. Additional information concerning the accuracy and appropriate uses of this data may be obtained from the point of contact for the IMPACT database. The point of contact can be found at:

<http://deq.wyoming.gov/aqd/impact-system/>



Coming Soon - OpenAir

Facility Detail Page in OpenAir

Facility Search | **Current Facility Inventory** | Applications | Emissions Inventories | Permits | Stack Tests | Compliance Reports | Ambient Monitoring

- [Applications](#)
- [CEM/COM/CMS Limits](#)
- [CEM/COM/CMS Monitors](#)
- [Compliance Reports](#)
- [Control Equipment](#)
- [Emission Units](#)
- [Emissions Inventories](#)
- [Facility Inventory History](#)
- [Owners](#)
- [Permits](#)
- [Release Points](#)
- [Stack Tests](#)

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Facility Detail

Facility ID: F026263 **Facility Name:** AQD Test Facility **District:** District 1 **Version Start Date:** 10/22/2018
Facility Type: Pipeline Station **Company Name:** Wyoming Air Quality Division **County:** Laramie **Version End Date:** Current

Expand Facility Tree

- [-] F026263
 - ⊕ APT001
 - ⊕ APT002
 - ⊕ BOL001
 - ⊕ BOL002
 - ⊕ BOL003
 - ⊕ CKD001
 - ⊕ CSH001
 - ⊕ CTW001
 - ⊕ DHY001
 - ⊕ ENG002
 - ⊕ ENG003
 - ⊕ ENG004
 - ⊕ ENG005

Facility Information

Facility ID: F026263
Facility Name: AQD Test Facility
Facility Description:
Facility Class: Title V **Facility Type:** Pipeline Station
Associated Monitor Group ID: MGRP000063
Operating Status: Operating **AFS:**

Location

ID	Physical Address	City	County	Lat/Long	PLSS	Effective Date
109103	Section 22, 12N, 68W	Laramie County	Laramie	41.00000/-105.00000	S22-T12N-R68W	9/15/2014

Printable view

Export to excel



Coming Soon - OpenAir

Stack Test Page in OpenAir



Version 10.1 | Build ID: 23.0.0

Facility Search | Current Facility Inventory | Applications | Emissions Inventories | Permits | Stack Tests | Compliance Reports | Ambient Monitoring

- [Applications](#)
- [CEM/COM/CMS Limits](#)
- [CEM/COM/CMS Monitors](#)
- [Compliance Reports](#)
- [Control Equipment](#)
- [Emission Units](#)
- [Emissions Inventories](#)
- [Facility Inventory History](#)
- [Owners](#)
- [Permits](#)
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- [Stack Tests](#)

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Stack Tests

Facility ID: F026263 **Facility Name:** AQD Test Facility **Operating Status:** Operating **Version End Date:** Current
Facility Type: Pipeline Station **Company Name:** Wyoming Air Quality Division **Version Start Date:** 9/6/2018

Stack Test ID	AFS ID	EUs	Stack Test Method	Failed Pollutants	Test Date(s)	Date Scheduled	Date Received	Date Reviewed	Conformed to Test Method
STCK019658		BOL001	Portable Analyzer (NOx & CO)		2/2/2015		2/5/2015	3/16/2015	Yes



Questions?

Facility Information

Facility ID: F026263	Facility Name: AQD Test Facility	District: District 1
Facility Type: Compressor Station	Company Name: Wyoming Air Quality Division	County: Laramie
Physical Address: Section 22, 12N, 68W	City: Laramie County	
Lat/Long: 41.00000/-105.00000	PLSS: S22-T12N-R68W	

▼ In Progress Tasks

Select	Task Type	Task Description	Dependent on Task	Created Date	User Name
		Delete selected task(s)	Printable view	Export to excel	

New Tasks

Select from the lists below to create a new task

Facility Management

- [Make a change to the Facility Inventory](#)
- [Make a change to the Facility Inventory - clone another facility](#)
- [Make a change to the Facility Contact\(s\)](#)

Emissions Reporting

- [Create an Emissions Inventory](#)

Permitting

- [Create an NSR Permit Application](#)
- [Create a Title V Permit Application](#)

Compliance Reporting

- [Create a Stack Test Report](#)
- [Create a Compliance Report](#)

Contact Information

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