

ANNUAL COMBUSTION ADJUSTMENTS

BY: DOUGLAS BANNON



ANNUAL COMBUSTION ADJUSTMENT REPORT

- Every boiler 5 MMBTU/hr and above
- Within 45 days of the adjustment
- Yearly fuel use required
- Newest and easiest
- Most questions
- Requires patience – click and wait
- Instructions:

<https://www.state.nj.us/dep/aqpp/adjustment.htm>

COVID-19 Information
March 19, 2021

COVID-19 is still active. Wear a mask. Social distance. Stay up to date on vaccine information.
Visit: covid19.nj.gov Text: NJCOVID to [898-211](tel:898-211) Call NJPIES Call Center: [800-962-1253](tel:800-962-1253) Call: [2-1-1](tel:2-1-1)
[Vaccine Appointment Support](#)

Download free COVID Alert app.
Visit covid19.nj.gov/app

OFFICIAL SITE OF THE STATE OF NEW JERSEY

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COVID-19 VACCINATIONS ARE UNDERWAY ACROSS NEW JERSEY

- LEARN MORE ABOUT COVID-19 VACCINATION
- PRE-REGISTER FOR THE VACCINE
- HOW TO GET VACCINATED IF YOU ARE ELIGIBLE
- VISIT [COVID19.NJ.GOV](https://covid19.nj.gov)

New Jersey
FEATURES



Log In to myNewJersey

Login ID:

[Forgot your login ID?](#)

Password:

[Forgot your password?](#)

Log In

[Need help?](#)

If you need to register for Unemployment Benefits please go to myunemployment.nj.gov. Unemployment services are only accessed through that site.

Otherwise, register for myNewJersey services here:

Sign Up



Welcome Douglas: [logout](#) | [my account](#) | [auth code](#) | [layout](#) | [help](#)

Applications

- [eCATS – Executive Branch](#)
- [eCATS – Judiciary](#)
- [eCATS Help Desk](#)
- [eCATS Help Desk for Snow Removal](#)

[ServiceNow](#)

 [Everbridge Emergency Notifications](#)

Civil Service Commission Applications

Center for Learning and Improving Performance (Training)

- [eLearning](#)
- [ePAR](#)
- [ePAR User Guide](#)
- [Gender Survey](#)

DEP Apps

- [Outlook Web Access](#)
- [Email Archive Manager](#)
- [DEP Intranet](#)
- [DEP Web Intelligence](#)
- [DEP BitLocker Self Service](#) | [Instructions](#)
- [eTrips](#)

Applications

- [DEP Online Services](#)
- [Drinking Water Watch App](#)



New Jersey Events

Travel Guide

[Locate Events](#) | [Travel & Tourism Home](#) | [Add an Event](#)



- [My Workspace](#)
- [User Profile](#)
- [Certifications](#)
- [Payments](#)
- [Documents and Forms](#)
- [Permit Folder](#)

Version: 6.5
 Currently logged in: Douglas Bannon (DBANNON1)
 Server: Server_2

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MESSAGES

NOTICE:

The Division of Air Quality is announcing a new General Permit (GP-019A) for "Temporary Equipment." This General Permit is replacing the current General Permit (GP-019) "Portable Equipment."

Portable equipment currently registered under GP-019 can continue to operate until:

- The registrant's current General Permit expiration date, before which time the registrant must register for authorization under GP-019A, as applicable, or apply for and receive approval for a source-specific permit and certificate for continued operation of the equipment; or
- The portable equipment is replaced or modified, before which time the registrant must register for authorization under GP-019A, as applicable, or apply for and receive approval for a source specific permit and certificate prior to operation of the replaced or modified equipment.

To view the requirements of any General Permit, go to <https://www.nj.gov/dep/aqpp/gp.html>.

This new General Permit will be available on or after April 6, 2020. For additional information regarding this notification, please contact Mike Adhanom at (609) 633-8242 or Mike.Adhanom@dep.nj.gov.

NJDEP Online suggests Microsoft Internet Explorer 11, Mozilla Firefox 34 or later or Google Chrome 33 or later to operate correctly. It may not work with any other web browsers such as Apple Safari. Failure to upgrade to the correct browser version may cause data to display incorrectly and may disable some features.

NOTICE: For optimal performance, it is advised to maintain only one Internet Explorer, Firefox or Chrome browser window or tab when using the NJDEP Online System.

NOTICE: For users of the E2 component of NJDEP Online, only Internet Explorer 11 may be used at this time.



[Continue](#)

MY WORKSPACE

Service Selection ↑ ↓

Note: Access to this electronic service selection and submittal area is granted by selecting facilities using the [user profile](#). Some services are accessible without selecting facilities as shown below.

- Air Program**
- [RADIUS File Submission](#)
 - [General Permits \(for minor source facilities only\)](#)
 - [General Operating Permits \(for Title V major source facilities only\)](#)
 - [Permit/Certificate Folder](#)
 - [NOx RACT Combustion Adjustment](#) ←
 - [Excess Emission Monitoring Performance Reports \(EEMPR\)](#)
 - [Periodic Compliance Certification](#)
 - [Diesel Retrofit Program](#)

My Facilities/Program Interests ↑ ↓

Note: You may add Facilities/Program Interests by clicking the "Add Facilities" button below.

Facility Name	Facility ID	Program	Access Type	Access Status	Change Access	Manage Security	View	Remove
DEP AIR TEST SITE	61085	Air	Responsible Official	Granted				

Clicking a column title will sort the table by that column.

My Services - In Progress ↑ ↓

- My Workspace
- User Profile
- Certifications
- Payments
- Documents and Forms
- Permit Folder

Version: 6.1

Currently logged in: Douglas Bannon (DBANNON1)

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APPLICATION NAME

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Please provide a service specific name below.

***Submission/Project Name:**

Comments:

Please Note
You may click on a previously visited page (above) to navigate back to that screen.

** Required*



Continue

- My Workspace
- User Profile
- Certifications
- Payments
- Documents and Forms
- Permit Folder


Version: 6.1

Currently logged in: Douglas Bannon (DBANNON1)

Help | Logout

FACILITY SELECTION

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Facility	Facility ID	Municipality	Access Type	Access Facility
DEP AIR TEST SITE	61085	Trenton City	Responsible Official	

Clicking a column title will sort the table by that column.



Please Note
You may click on a previously visited page (above) to navigate back to that screen.

Contacts

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Please Note
 You may click on a previously visited page (above) to navigate back to that screen.

1. NOx RACT Annual Adjustment Report Contact

1. NOx RACT Annual Adjustment Report Contact

Note: Selecting an option below will replace all information for this contact. Save to My Favorite Contacts

Insert From Existing Contact(s)...

*First Name:	<input type="text" value="Douglas"/>	Address Line 1:	<input type="text" value="7 Ridgedale Ave."/>
Middle Initial:	<input type="text"/>	Address Line 2:	<input type="text"/>
*Last Name:	<input type="text" value="Bannon"/>	Address Line 3:	<input type="text"/>
Title:	<input type="text"/>	County:	<input type="text" value="Morris"/>
*E-Mail Address:	<input type="text" value="douglas.bannon@dep.nj.gov"/>	City:	<input type="text" value="Cedar Knolls (Morris)"/>
*Confirm E-Mail:	<input type="text" value="douglas.bannon@dep.nj.gov"/>	State:	<input type="text" value="New Jersey"/>
Organization Name:	<input type="text" value="NJDEP"/>	Zip Code:	<input type="text" value="07927"/>
Organization Type:	<input type="text"/>		

Type	Contact Number (must be 10 digits)	Extension	Comments	Remove
Cell Phone Number	(609) 439-9408			

Add Number

* Required

Note: Please enter contact information on ALL required tabs before clicking Continue.

Save Continue



Version: 6.1

61085

Currently logged in: Douglas Bannon (DBANNON1)

DEP AIR TEST SITE

Help | Logout

EQUIPMENT SELECTION

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Please Note
You may click on a previously visited page (above) to navigate back to that screen.

Note: 1) The Details of all selected equipment should be entered on the View Selected Equipment screen.
2) Checking or Clearing All applies to the equipment on this page only.

Select	Equip. NJ ID	Activity #	Facility Designation	Equipment Description	Equipment Type
<input checked="" type="checkbox"/>	E1	BOP40008	Boiler # 1	Boiler # 1 - 62.64 MMBtu/hr	Boiler
<input type="checkbox"/>	E11129	BOP70018	BBL1	Boiler #1	Boiler
<input type="checkbox"/>	E11130	BOP70018	BBL3	Boiler #3	Boiler
<input type="checkbox"/>	E2	BOP40008	Boiler # 2	Boiler # 2 - 62.64 MMBtu/hr	Boiler
<input type="checkbox"/>	E3	BOP40008	Boiler # 3	Boiler # 3 - 88.74 MMBtu/hr	Boiler
<input type="checkbox"/>	E4	BOP40008	Boiler # 4	Boiler # 4 - 88.74 MMBtu/hr	Boiler

Clicking a column title will sort the table by that column.

Clear/Check All

View All Equipment

Continue



VIEW SELECTED EQUIPMENT

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Note: You must enter the Details of all pieces of equipment (by clicking the Details link) before Continuing.

Equip. NJ ID	Facility Designation	Equipment Description	Activity #	Enter Details	Status	Remove Equipment
E1	a	a	BOP20006	Details	-	
E1	Boiler # 1	Boiler # 1 - 62.64 MMBtu/hr	BOP40008	Details	-	

Clicking a column title will sort the table by that column.

Select More Equipment | Continue

Please Note
You may click on a previously visited page (above) to navigate back to that screen.

- 1 - Submission Name
 - 2 - Facility Selection
 - 3 - Contacts
 - 4 - Equipment Selection
 - 5 - View Selected Equipment
 - 6 - Equipment Detail
 - 7 - Certification
 - 8 - Summary View
- Please Note**
You may click on a previously visited page (above) to navigate back to that screen.

[Click here](#) to view the formula defined at N.J.A.C.7:27-19.16 (a) which was used to calculate LB/MMBTU for NOx and CO.

Equip. NJ ID	Facility Designation	Equipment Description	Activity #
E1	a	a	BOP2006
E1	Boiler # 1	Boiler # 1 - 62.64 MMBtu/hr	BOP40008

*Adjustment Date (MM/DD/YYYY):

*Type of Process:

*Fuel/Boiler Type:

*Firing Method:

*Fuel Type During Adj:

Associated F dry factor set to:



Required Data	Before Adjustment	After Adjustment
*Concentrations of NOx in the effluent stream, ppmvd:	<input type="text" value="5.00"/>	<input type="text" value="5.00"/>
*Concentrations of CO in the effluent stream, ppmvd:	<input type="text" value="5.00"/>	<input type="text" value="5.00"/>
*O2 percent dry basis:	<input type="text" value="14"/>	<input type="text" value="14"/>
<input checked="" type="checkbox"/> Check this box if you want your lb/MM BTU for NOX and CO automatically calculated using the following F factors depending on the fuel type selected in the dropdown box under "Fuel Type During Adj". If the fuel type selected is not listed below, you cannot use this option. Uncheck this box and manually input your data for before and after adjustment for NOx and CO ppmvd, O2 percent dry basis, and the calculated lb/MM BTU for NOx and CO using the formula defined in N.J.A.C. 7:27-19.16(a), click here . F factors used to auto calculate lb/MM BTU for NOx and CO: Natural Gas - 8710 dscf/MM BTU Residual or fuel oil - 9190 dscf/MM BTU Coal - 9780 dscf/MM BTU		
*NOx converted emission values in lb/MM BTU:	<input type="text" value="0.016"/>	<input type="text" value="0.016"/>
*CO converted emission values in lb/MM BTU:	<input type="text" value="0.01"/>	<input type="text" value="0.01"/>

*Description of Corrective Action:

*Type of Fuel and Quantity Burned (in last 12 mos):			
Fuel Type	Amount/Quantity	Units	Remove
Natural gas	<input type="text" value="100"/>	<input type="text" value="MMBtu*3"/>	<input type="button" value="X"/>

* Required

Do not validate the details for this piece of equipment



Note: Data validation must be conducted for this piece of equipment prior to submitting to NJDEP.



VIEW SELECTED EQUIPMENT

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Note: You must enter the Details of all pieces of equipment (by clicking the Details link) before Continuing.

<u>Equip. NJ ID</u>	<u>Facility Designation</u>	<u>Equipment Description</u>	<u>Activity #</u>	<u>Enter Details</u>	<u>Status</u>	<u>Remove Equipment</u>
E1	a	a	BOP20006	Details	Completed	
E1	Boiler # 1	Boiler # 1 - 62.64 MMBtu/hr	BOP40008	Details	Completed	

Clicking a column title will sort the table by that column.

Please Note
 You may click on a previously visited page (above) to navigate back to that screen.



CERTIFICATION - SINGLE SUBMISSION SUMMARY

820222 - 2017 Combustion Adjustment Boiler #1

To certify electronically, please click on the blue ribbon.

Required	Name	Certifier Type	Certifier Status	Notification Status	Certify Electronically	Certify via Paper	Remove Certifier
		Individual With Direct Knowledge	Not Certified	No Notifications Sent			
		Responsible Official	Not Certified	No Notifications Sent			

Clicking a column title will sort the table by that column.

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Please Note
 You may click on a previously visited page (above) to navigate back to that screen.

Send Notifications | Add Certification Type | Continue



SERVICE CERTIFICATION

- 1 - Submission Name
- 2 - Facility Selection
- 3 - Contacts
- 4 - Equipment Selection
- 5 - View Selected Equipment
- 6 - Certification
- 7 - Summary View

Please Note
You may click on a previously visited page (above) to navigate back to that screen.

Please note that your Certification PIN and your Password are two different things. It is possible that you have made your Certification PIN and your Password identical values. If you have forgotten what your Certification PIN is, click on the "Forgot Certification PIN" button below and you can then create a new one.

WARNING: After clicking "Certify" a Summary page will appear. To ensure a successful submission, wait for the Summary page to appear, then scroll to the bottom and click "Return" before exiting the browser or clicking on any tabs.

Certification by Access Type: Individual With Direct Knowledge

Service ID	Submittal Type	Creation Date	View
820222	Air Program - NOx RACT Combustion Adjustment - NOx RACT Combustion Adjustment	06/05/2018	

"I certify under penalty of law that I believe the information provided in this document is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

Name of Certifying Party: Douglas Bannon

User ID of Certifying Party: DBANNON1

Challenge/Response Question

Prior to certifying your submission, you must answer the following Question correctly:

*Something you always wanted to do? (Not Case Sensitive)

Certification PIN

*Certification PIN: (Case-Sensitive)

* Required

Certification of your PIN constitutes an electronic signature of this submittal in accordance with the aforementioned statement.

CERTIFICATION - SINGLE SUBMISSION SUMMARY

820222 - 2017 Combustion Adjustment Boiler #1

To certify electronically, please click on the blue ribbon.

Required	Name	Certifier Type	Certifier Status	Notification Status	Certify Electronically	Certify via Paper	Remove Certifier
	Douglas Bannon	Individual With Direct Knowledge	Certified on 06/05/2018	No Notifications Sent			
	Douglas Bannon	Responsible Official	Certified on 06/05/2018	No Notifications Sent			

Clicking a column title will sort the table by that column.

- 1 - Submission Name
 - 2 - Facility Selection
 - 3 - Contacts
 - 4 - Equipment Selection
 - 5 - View Selected Equipment
 - 6 - Certification
 - 7 - Summary View
- Please Note**
You may click on a previously visited page (above) to navigate back to that screen.

Send Notifications | Add Certification Type | **Continue**



Concentrations of CO in the effluent stream, ppmvd	5.00	5.00
O2 percent dry basis	14	14
NOx converted emission values in lb/MM BTU	0.016	0.016
CO converted emission values in lb/MM BTU	0.01	0.01

	Converted Emissions After Adjustment (adjusted for O2)	Allowable From NJAC 7:27-19.7 or -16.8	Compliance Y/N
CO, ppmvd, at 7% O2 dry basis	10.07	100	Y
NOx pounds per million BTU	0.016	0.05	Y

Fuel Type	Amount used over the 12 months prior to the annual adjustment	Units
Natural gas	100	MMft ³

A description of my corrective actions taken as a part of the combustion adjustment
no corrective action needed

Certification

"I certify under penalty of law that I believe the information provided in this document is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

Douglas Bannon
Individual With Direct Knowledge

06/05/2018
Date

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

Douglas Bannon
Responsible Official

06/05/2018
Date



Return

My Facilities/Program Interests ↑ ↓

Note: You may add Facilities/Program Interests by clicking the "Add Facilities" button below.

Facility Name	Facility ID	Program	Access Type	Access Status	Change Access	Manage Security	View	Remove
DEP AIR TEST SITE	61085	Air	Responsible Official	Granted				

Clicking a column title will sort the table by that column.

Add Facilities

My Services - In Progress ↑ ↓

Note: To edit or resume working on an "In Progress" item, please click on the appropriate number in the ID column.

ID	Application Name	Facility Name	Description	Status	Created Date	Last Modified Date	Summary	History	Cancel
820196	2017 1 half deviation Report	DEP AIR TEST SITE	Operating Permit Periodic Compliance Certification	In-Progress	06/05/2018	06/05/2018			

Clicking a column title will sort the table by that column.

My Services - Submitted ↑ ↓

Note: If the status of your service is "Submission Failed - Please contact DEP," please send an e-mail to PortalComments@dep.nj.gov for assistance. Please include the Service ID number of the failed submittal in the message.

ID	Application Name	Facility Name	Description	Status	Created Date	Last Modified Date	Summary	History	PDF
820222	2017 Combustion Adjustment Boiler #1	DEP AIR TEST SITE	NOx RACT Combustion Adjustment	Submitted	06/05/2018	06/05/2018			
820203	2017 1H Report	DEP AIR TEST SITE	Periodic Compliance Certification	Submission Successful	06/05/2018	06/05/2018			

Need Help?

Air Compliance and Enforcement, Northern Field Office For counties: Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex, Warren, and Union.	973-656-4444 or AirCE-Northern@dep.nj.gov
Air Compliance and Enforcement, Central Field Office For counties: Burlington, Mercer, Middlesex, Monmouth, and Ocean.	609-292-3187 or AirCE-Central@dep.nj.gov
Air Compliance and Enforcement, Southern Field Office For counties: Atlantic, Camden, Cape May, Cumberland, Gloucester, and Salem.	856-614-3601 or AirCE-Southern@dep.nj.gov



ACE Academy Training

May 2021