



RECEIVED

08/17/2022

AIR QUALITY
DEP, Southwest Regional Office

Shell Chemical Appalachia LLC
300 Frankfort Rd
Monaca, PA 15061

August 16, 2022

Mark Gorog, P.E., Air Quality Program Regional Manager
Pennsylvania Department of Environmental Protection
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222

RE: Shell Chemical Appalachia LLC
Shell Polymers Monaca Site
Potter and Center Townships, Beaver County
Plan Approval No. 04-00740A
Plan Approval Construction Extension Request

Dear Mr. Gorog:

Shell Chemical Appalachia LLC (“Shell”) is requesting an extension of Plan Approval 04-00740A along with our other associated Plan Approvals (04-00740B and 04-00740C) to extend temporary operation of commenced sources and to authorize the continued construction of sources and controls at the above-referenced facility. PA-04-00740A was originally issued to Shell on June 18, 2015, authorizing the construction of a “Petrochemicals Complex, Ethylene and Polyethylene Manufacturing” at this location. Shell has since renamed this site as the “Shell Polymers Monaca Site”. Construction of permanent foundations for authorized sources and controls began on February 10, 2016, within 18 months of issuance of PA-04-00740A, and construction has continued without an 18-month lapse. High voltage equipment commenced operation on November 12, 2019 with other emission sources planned to commence operation by year end 2022.

Enclosed, please find the following:

- Plan Approval Extension Form (completed and signed)
- Air Pollution Control Act Compliance Review Supplemental Form (completed and signed)
- Application Fee Check (\$750 made out to Commonwealth of PA)
- Justification for the extension
- Schedule for the completion of the construction

Please contact me at 724-709-2467 or Kimberly.kaal@shell.com if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kimberly J. Kaal', with a long horizontal flourish extending to the right.

Kimberly J. Kaal
Environmental Manager, Attorney-in-Fact

Shell Chemical Appalachia LLC
PO Box 4913
Houston, TX 77210

0101614 01 RE 0.491 **AUTO H7 1 6154 15222-473900 -P01615 C07



COMMONWEALTH OF PENNSYLVANIA
DEP ENVIRONMENTAL PROTECTION
400 WATERFRONT DR
PITTSBURGH PA 15222-4739

CHECK NO.: 0005060350

COMPANY CODE: UST8

CHECK DATE: 08/09/2022

CLIENT NO.: 0007023588

PAGE 1 OF 1

INVOICE NO.	INV. DATE	REFERENCE	DESCRIPTION	DISC. AMOUNT	NET AMOUNT
0400740AEXTN	08/01/2022	1900002376		\$0.00	\$750.00
				TOTAL:	\$750.00



Direct all inquiries to:

APVENDORHELPDESK@SHELL.COM

We invite you to convert to electronic payments in the form of ACH.

Please contact us at the above address/phone number for further details.

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

Shell Chemical Appalachia LLC
PO Box 4913
Houston, TX 77210

62-20
311

Check No.: 0005060350

08/09/2022

PAY TO THE ORDER OF: COMMONWEALTH OF PENNSYLVANIA
DEP ENVIRONMENTAL PROTECTION
400 WATERFRONT DR
PITTSBURGH PA 15222-4739

*****\$750.00

NOT VALID AFTER 180 DAYS

Bernardo Franco
AUTHORIZED SIGNATURE

Seven Hundred Fifty and 00/100 Dollars

CITIBANK N.A.
ONE PENN'S WAY, NEW CASTLE, DE 19720

Jennifer Bellowski
AUTHORIZED SIGNATURE

0005060350 031100209 38872154

RE0101614-0001_of_0001 6154-0001614 (F23S)



PLAN APPROVAL EXTENSION FORM

Current Plan Approval Information				
Plan Approval No.: 04-00470A		Owner Name: Shell Chemical Appalachia LLC		
Original Issued Date: 6/18/2015		Plant Name: Shell Polymers Monaca Site		
Current Expiration Date: 4/28/2022		Contact Name: Kimberly J. Kaal		
Project Commenced Date: 2/10/2016		Contact Title: Environmental Manager		
Contact Telephone: 724-709-2467		Contact Email: kimberly.kaal@shell.com		
Municipality: Potter & Center Twp		Mailing Address: 300 Frankfort Road		
County: Beaver	City: Monaca	State: PA	Zip Code: 15061	
List of Source(s) and/or Air Cleaning Devices Specified in the Plan Approval (attach additional pages as needed)				
Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
	See attached schedule			
Reason for Extension (see instructions)				
<input checked="" type="checkbox"/> (A) Plan Approval Extension to continue construction, modification, reactivation of the source(s) or installation of air cleaning device(s) in accordance with 25 Pa. Code §127.13(a).				
<input checked="" type="checkbox"/> (B) Plan Approval Extension to extend temporary operation to facilitate the shake-down of sources and air cleaning devices, to permit operation pending issuance of a permit under Subchapter F (relating to operating permit requirements) or Subchapter G (relating to Title V operating permits) or to allow the evaluation of the source(s) for compliance with applicable regulations and requirements in accordance with 25 Pa. Code §127.12b(d).				
<input type="checkbox"/> (C) Other (including the extension of the 18-month period specified in 25 Pa. Code §127.13(b)).				
Checklist				
<input checked="" type="checkbox"/> Included Air Quality Fees Schedule				
<input type="checkbox"/> Fees are not required in accordance with 25 Pa. Code § 127.702(i)(3); justification included				
<input checked="" type="checkbox"/> Included justification for the extension request				
<input checked="" type="checkbox"/> Included complete Compliance Review Form or Compliance Review Supplemental Form if one has not been submitted within 6 months from the date of this application				
<input checked="" type="checkbox"/> Plan Approval Extension Form signed by a responsible official				
Certification of Truth, Accuracy and Completeness				
I certify that, subject to the penalties of Title 18 Pa. C.S.A. Section 4904 and 35 P.S. Section 4009(b)(2), I am the responsible official having primary responsibility for the design and operation of the facilities to which this application applies and that the information provided in this application is true, accurate, and complete to the best of my knowledge, information, and belief formed after reasonable inquiry.				
Name (Type): Kimberly J. Kaal			Title: Environmental Manager, Attorney-in-Fact	
Name (Signed):			Date: 8/16/2022	



PLAN APPROVAL EXTENSION FORM INSTRUCTIONS

A plan approval is issued with a term that provides a sufficient and reasonable amount of time to complete the project as described within the plan approval application. Plan Approvals granted by the Department will be valid for a limited time, as specified by the Department in the approval. Except as provided in 25 Pa. Code §§ 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.

(A) Plan Approval Extension to continue construction, modification, reactivation of the source(s) or installation of air cleaning device(s) in accordance with 25 Pa. Code §127.13(a).

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 submitted at least thirty (30) days prior to the expiration date. The request for an extension shall include a justification for the extension, the specific sources for which the extension of construction or modification is needed, and a schedule for the completion of the construction.

(B) Plan Approval Extension to extend temporary operation to facilitate the shake-down of sources and air cleaning devices, to permit operation pending issuance of a permit under Subchapter F (relating to operating permit requirements) or Subchapter G (relating to Title V operating permits) or to allow the evaluation of the source(s) for compliance with applicable regulations and requirements in accordance with 25 Pa. Code §127.12b(d).

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.

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 to the Department at least thirty (30) days prior to the end of the initial 180-day shakedown period and shall include the specific source(s) for which the extension of temporary operation authorization is needed, a description of the compliance status of the source(s), 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.

(C) Other (including the extension of the 18-month period specified in 25 Pa. Code §127.13(b)).

If the construction, modification, or installation is not commenced within 18-months of the issuance of the 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 Subchapters B, D, and E (relating to plan approval requirements; prevention of significant deterioration of air quality; and new source review) shall be submitted unless it is extended. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

Except for the 18-month extension, the Department will publish a notice of its action in the *Pennsylvania Bulletin*. The 18-month extension, if approved, will require the applicant to publish the newspaper notices in accordance with 25 Pa. Code § 127.44 (relating to public notice).

To request a plan approval extension, the applicant shall complete all information as requested in the plan approval extension form and have it signed by a "responsible official" as defined in 25 Pa. Code § 121.1 (relating to definitions). A submission checklist is provided to ensure all required items are included in submitting the plan approval extension form.

The extension fee will not apply if an extension is required through no fault of the applicant. See 25 Pa. Code § 127.702(i)(3). For example, the applicant is waiting for the Department's review of stack test reports, CEM certification, or Department's initial inspection. Please include an explanation of why fees are not applicable along with your justification for the extension, including any relevant submittal dates of reports or applications sent to the Department.



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF AIR QUALITY

AIR POLLUTION CONTROL ACT COMPLIANCE REVIEW SUPPLEMENTAL FORM

Fully and accurately provide the following information, as specified. Attach additional sheets as necessary.

Date of Submission of Original Compliance Review Form 05/01/2014

Type of Supplemental Compliance Review Form Submittal (check all that apply)

Original Filing Amended Filing
 No Changes Date of Last Compliance Review Form Filing 03/14/2022

Type of Submittal

New Plan Approval New Operating Permit Renewal of Operating Permit
 Extension of Plan Approval Change of Ownership Periodic Submission
 Other (every six months)

SECTION A. GENERAL APPLICANT INFORMATION

1. Name of Applicant/Permittee/("Applicant") (non-corporations attach documentation of legal name)

Shell Chemical Appalachia LLC

Address 300 Frankfort Road
 Monaca, PA 15601

Telephone 724.709.2467

Taxpayer ID# 46-1624986

Permit, Plan Approval or Application ID# PA-04-00740A

2. Identify the form of management under which the applicant conducts its business.

Individual Fictitious Name Association
 Municipality Partnership Syndicate
 Proprietorship Limited Partnership
 Public corporation Government Agency
 Private Corporation Joint Venture
 Municipal Authority Other Type of Business (specify) Limited Liability Company

3. Describe the type(s) of business activities performed.

*** Supplemental ***

List only those changes since the date of the last original submission.

No Changes

SECTION B. GENERAL INFORMATION REGARDING "APPLICANT"

If applicant is a corporation or a division or other unit of a corporation, provide the names, principal places of business, state of incorporation, and taxpayer ID numbers of all domestic and foreign parent corporations (including the ultimate parent corporation), and all domestic and foreign subsidiary corporations of the ultimate parent corporation with operations in Pennsylvania. Please include all corporate divisions or units, (whether incorporated or unincorporated) and privately held corporations. (A diagram of corporate relationships may be provided to illustrate corporate relationships.) Attach additional sheets as necessary.

*** Supplemental ***

List only those changes since the date of the last original submission.

Unit Name	Principal Places of Business	State of Incorporation	Taxpayer ID	Relationship to Applicant
No Changes				

SECTION C. INFORMATION REGARDING APPLICANT & ITS "RELATED PARTIES"

1. **Pennsylvania Facilities.** List the name and location (mailing address, municipality, county), telephone number, and relationship to applicant (parent, subsidiary or general partner) of all Related Parties' places of business, and facilities in Pennsylvania. Attach additional sheets as necessary.

*** Supplemental ***

List only those changes since the date of the last original submission.

Unit Name	Street Business	County and Municipality	Telephone No.	Relationship to Applicant
No Changes				

2. General Partners. Provide the names and business addresses of all general partners of the applicant and parent corporation, if any.

* * * Supplemental * * *

List only those changes since the date of the last original submission.

Name	Business Address
No Changes	

3. Management Responsibility. Provide the names and business of persons with overall management responsibility for the process being permitted (i.e., plant manager).

* * * Supplemental * * *

List only those changes since the date of the last original submission.

Name	Business Address
William Watson General Manager, Shell Chemical Appalachia LLC	Shell Chemical Appalachia LLC 300 Frankfort Road Monaca, PA 15061
Kimberly Kaal Environmental Manager / Attorney-in-Fact Shell Chemical Appalachia LLC	Shell Chemical Appalachia LLC 300 Frankfort Road Monaca, PA 15061
(No additional changes)	

4. Plan Approvals or Operating Permits. List all plan approvals or operating permits issued by the Department or an approved local air pollution control agency under the APCA to the applicant or related parties that are currently in effect or have been in effect at any time five years prior to the date on which this form is notarized. This list shall include the plan approval and operating permit numbers, locations, issuance and expiration dates. Attach additional sheets as necessary.

*** Supplemental ***

List only those changes since the date of the last original submission.

Source	Plan Approval Operating Permit Number	Location	Issuance Date	Expiration Date
No Changes				

SECTION D. COMPLIANCE BACKGROUND

Note: Copies of specific documents, if applicable, must be made available to the Department upon its request.)

1. Documented Conduct. List all documented conduct of violations or enforcement actions identified by the Department pursuant to the APCA, regulations, terms and conditions of an operating permit or plan approval or order by applicant or any related party, using the following format grouped by source and location in reverse chronological order. Attach additional sheets as necessary. See the definition of "documented conduct" for further clarification. Unless specifically directed by the Department, deviations which have been previously reported to the Department in writing, relating to monitoring and reporting, need not be reported.

*** Supplemental ***

List only those changes since the date of the last original submission.

Date	Location	Plan Approval/ Operating Permit#	Nature of Documented Conduct	Type of Department Action	Status Litigation; Existing/Continuing; or corrected/Date	Dollar Amount Penalty
11/11/19	Shell Polymers Monaca	PA-04-00740A	Installation and operation of SF6 insulated high voltage equipment	Consent Order and Agreement	COA signed, Plan Approval Application submitted and ongoing SF6 monitoring	\$10,000
09/27/21	Shell Polymers Monaca	PA-04-00740A	Malodors and Fugitive Emissions	Consent Assessment of Civil Penalty	CACP signed on February 7, 2022	\$4,313

CONTINUING OBLIGATION: Applicant is under a continuing obligation to update this form using the Compliance Review Supplemental Form if any additional documented conduct occurs or related parties develop between the date of submission and Department action on its application

2. Incidents of Deviation. List all incidents of deviations of the APCA, regulations, terms and conditions of an operating permit or plan approval or order by applicant or any related party, using the following format grouped by source and location in reverse chronological order. This list must include items both currently known and unknown to the Department. Attach additional sheets as necessary. See the definition of "deviations" for further clarification.

* * * Supplemental * * *

List only those changes since the date of the last original submission.

Date	Location	Plan Approval/ Operating Permit#	Nature of Deviation	Incident Status: Existing/Continuing; or Corrected Date
9/2/21 - 2/4/22	Monaca Site	04-00740 A/C	NOx limit - 1 hr avg, Cogen Units 101, 102, 103	Multiple startup or Aux. Compartment Heater/NH3 injection trips due to cold weather. Investigate and adjustments completed 2/22
2/5 - 2/15/22	Monaca Site	04-00740 A/C	CO limit - 1 hr avg, Cogen Units 101, 103	Investigated, ambient temperature low. Alliance tested 2/28 - 3/4/22 duct burners indicating no issues.
3/8, 4/18, 5/29/22	Monaca Site	04-00740 A/C	NOx limit - 1 hr avg, Cogen Units 101, 102	Instrument maintenance, ammonia blower faults. Investigated and corrected after each occurrence.
6/23/22	Monaca Site	04-00740 A/C	Opacity >5 min in consecutive 2 hrs. MPGR, Source C204B	CVTO high temp trip caused excess butene to be routed to MPGF, blower logic issue in MPGF. Reviewed railcar unloading procedures and MPGF blower logic issue corrected by 7/14/22.
7/4/22	Monaca Site	04-00740 A/C	Opacity >5 min in consecutive 2 hrs. SCTO Source C206. Vented gas at Recovered Oil Tank / Flow Equalization and Recovered Oil Tanks (FEOR) Source 401	Currently investigating and taking corrective actions including blower sizing/operation at recovered oil tank / FEOR and HP Flare System KO drum liquid level controls

CONTINUING OBLIGATION: Applicant is under a continuing obligation to update this form using the Compliance Review Supplemental Form if any additional documented conduct occur or related parties develop between the date of submission and Department action on its application

VERIFICATION STATEMENT

Subject to the penalties of Title 18 Pa.C.S. Section 4904 and 35 P.S. Section 4009(b)(2), I verify under penalty of law that I am authorized to make this verification on behalf of the Applicant/Permittee. I further verify that the information contained in this Compliance Review Supplemental Form is true and complete to the best of my belief formed after reasonable inquiry. I further verify that reasonable procedures are in place to ensure that "documented conduct" and "deviations" as defined in 25 Pa Code Section 121.1 are identified and included in the information set forth in this Compliance Review Supplemental Form.



Signature

08/16/2022

Date

Kimberly J. Kaal

Name (Print or Type)

Environmental Manager, Attorney-in-Fact

Title

Attachment A

Plan Approval Extension Justification

Additional time is necessary to complete any outstanding construction activities and the remaining commissioning and start-up activities of all air sources and controls authorized under PA-04-00740A, B and C. PA-04-00740A was first issued on June 18, 2015, extended and will expire on October 28, 2022. High voltage equipment operation commenced on November 12, 2019 which is a source of SF6. On-site construction activities were suspended from March 18, 2020 until May 1, 2020 to implement mitigation measures in alignment with the CDC guidance in response to the COVID-19 global pandemic. Once the mitigation measures were implemented, major construction activities ramped up and continue at the Shell Polymers Monaca Site. While construction activities are basically complete, commencement of operation of the remaining sources and air cleaning devices are anticipated throughout the rest of 2022 per our current construction and commissioning schedule. Temporary operation of specific air sources and controls for shakedown purposes is also expected to occur during this time period and into 2023.

In accordance with PA-04-00740A, Section B, Condition #003 (d) we are requesting an extension of the 180-day shakedown period to continue temporary operation of sources that have commenced operation and for continued construction activities of the remaining permitted sources and air cleaning devices.

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
031	Ethane Cracking Furnace #1		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
032	Ethane Cracking Furnace #2		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
033	Ethane Cracking Furnace #3		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
034	Ethane Cracking Furnace #4		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
035	Ethane Cracking Furnace #5		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
036	Ethane Cracking Furnace #6		Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
037	Ethane Cracking Furnace #7		Construction completed July 6, 2022, ongoing CSU activities	August 7, 2022 (HSSB)
C031		SCR (Ethane Cracking Furnace #1)	Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
C032		SCR (Ethane Cracking Furnace #2)	Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
C033		SCR (Ethane Cracking Furnace #3)	Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
C034		SCR (Ethane Cracking Furnace #4)	Construction completed July 6,	TBD Q3 2022

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
			2022, ongoing CSU activities	
C035		SCR (Ethane Cracking Furnace #5)	Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
C036		SCR (Ethane Cracking Furnace #6)	Construction completed July 6, 2022, ongoing CSU activities	TBD Q3 2022
C037		SCR (Ethane Cracking Furnace #7)	Construction completed July 6, 2022, ongoing CSU activities	August 7, 2022
101	Combustion Turbine/Duct Burner Unit #1		June 24, 2021	June 24, 2021
102	Combustion Turbine/Duct Burner Unit #2		June 20, 2021	June 20, 2021
103	Combustion Turbine/Duct Burner Unit #3		June 30, 2021	June 30, 2021
C101		SCR (Unit #1)	July 2021	Sept 2021
C101A		Oxidation Catalyst (Unit #1)	July 2021	Sept 2021
C102		SCR (Unit #2)	July 2021	August 2021
C102A		Oxidation Catalyst (Unit #2)	July 2021	August 2021
C103		SCR (Unit #3)	July 2021	Sept 2021
C103A		Oxidation Catalyst (Unit #3)	July 2021	Sept 2021
104	Cogeneration Plant Cooling Tower(s)		June 20, 2021	June 20, 2021
C104		Drift Eliminators (Process Cooling Tower)	June 20, 2021	June 20, 2021
105	Diesel-Fired Emergency Generator Engines (2)		March 2, 2020	March 2, 2020
106	Fire Pump Engines (2)		Dec 4, 2020	Dec 4, 2020,

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
107	Natural Gas-Fired Emergency Generators (3)		March 2, 2020	March 2, 2020
201	Ethylene Manufacturing Line		Construction completed July 6, 2022	TBD Q3 2022
202	Polyethylene Manufacturing Lines		Construction completed July 6, 2022	TBD Q3 2022
C202		Particulate Filters (PE MFG)	Construction completed July 6, 2022	TBD Q3 2022
203	Process Cooling Tower(s)		Construction completed July 6, 2022, including chemical cleaning and passivation activities	TBD Q3 2022
C203		Drift Eliminators (Process Cooling Tower)	Construction completed July 6, 2022	TBD Q3 2022
204	Low Pressure (LP) Header System		Construction completed May 16, 2022	May 16, 2022
C204		LP System	Construction completed May 16, 2022	May 16, 2022
C204A		LP Incinerator	March 31, 2022. Lit for initial dry out	March 31, 2022
C204B		LP Multipoint Ground Flare (MPGF)	March 21, 2022. Lit pilots for testing	March 21, 2022
205	High Pressure (HP) Header System		Construction completed 5/12 2022 with unloading with of propane at the HC unloading rack	May 12, 2022
C205		HP System	Construction completed 5/12 2022 with unloading with of	TBD Q1 2022

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
			propane at the HC unloading rack	
C205A		HP Ground Flare	March 16, 2022. Lit pilots for testing	March 16, 2022
C205B		HP Ground Flare	March 16, 2022. Lit pilots for testing	March 16, 2022
C205C		HP Elevated Flare	March 16, 2022. Lit pilots for testing	March 16, 2022
206	Spent Caustic Vent Header System		Construction completed, refractory dry out started May 18, 2022, re lit June 7, 2022 for operation	June 7, 2022
C206		Spent Caustic Vent Incinerator	Construction completed, refractory dry out started May 18, 2022 Construction has commenced	May 18, 2022
301	Polyethylene Pellet Material Storage/ Handling/Loadout		First pellet test run in PE3 March 19, 2022	March 19, 2022
C301		Fabric Filters (Pellet Storage/Handling/Loadout)	First pellet test run in PE3 March 19, 2022	March 19, 2022
302	Liquid Loadout (Recovered Oil)		Construction completed July 6, 2022	TBD Q4 2022
303	Liquid Loadout (Pyrolysis Fuel Oil, Light Gasoline)		Construction completed July 6, 2022	TBD Q4 2022
304	Liquid Loadout (C3+)		Construction completed July 6, 2022	TBD Q3 2022
305	Liquid Loadout (Coke Residue/Tar)		Construction completed July 6, 2022	TBD Q4 2022

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
401	Storage Tanks (Recovered Oil, Equalizations Wastewater)		April 30, 2021	April 30, 2021
402	Storage Tank (Spent Caustic)		Construction completed July 6, 2022	TBD Q3 2022
403	Storage Tanks (Light Gasoline)		Construction completed July 6, 2022	TBD Q3 2022
404	Storage Tanks (Hexene)		Construction completed	Tank B 5/31/222 and Tank A 6/26/22
405	Storage Tanks (Misc Pressurized/ Refrigerated)		Construction completed	5/12/2022
406	Storage Tanks (Diesel Fuel > 150 gallons)		December 4, 2020	December 4, 2020
C406		Carbon Canisters (Diesel Storage Tanks)	Construction has not commenced	TBD Q4 2022
407	Storage Tanks (Pyrolysis Fuel Oil)		Construction completed July 6, 2022	TBD Q4 2022
408	Storage Tanks (Diesel Fuel < 150 gallons)		March 2, 2020	March 2, 2020
409	Methanal Storage Vessels and Components		May 12, 2022	May 12, 2022
501	Equipment Components		Construction completed; applicable portions of the facility have started including NG service components monitored in Cogen.	5/12/2022 at HC loading rack
502	Wastewater Treatment Plant		April 30, 2021	April 30, 2021

Attachment B

List of Source(s) and/or Air Cleaning Devices Specified in Plan Approval No. 04-00740 A, B and C

Source ID	Source Name	Air Cleaning Device	Date of Completion	Operational Commencement Date
503	Plant Roadways		Roadways are currently either paved or unpaved and scheduled to be paved.	Starting in October 2020
504	SF6 High Voltage Switchgear		November 12, 2019	November 12, 2019

TBD = To be Determined (Anticipated dates are subject to schedule)

CSU = Commissioning and Start-up

Source 105, 107 engines covered by RFD 8259