AGP
Ag Processing Inc

May 19, 2022

OVERNIGHT DELIVERY

Olympic Region Clean Air Agency
2940 B Limited Lane NW
Olympia, WA 98502

RE: Ag Processing Inc NOC and SEPA
Port of Grays Harbor T2 Aspiration and Storage Project

To Whom it May Concern:

Enclosed is the NOC and SEPA associated with a project at the Ag Processing Inc ship loading operation at Grays Harbor T2 that will improve existing aspiration and add four new storage bins.

Please feel free to contact me at (402) 498-5597 or awillis@agp.com if you have any questions or require additional information.

Sincerely,

Allison G. Willis

Environmental Compliance Manager

Enclosure

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 1- NOTICE OF CONSTRUCTION

TO CONSTRUCT - INSTALL - ESTABLISH OR MODIFY AN AIR CONTAMINANT SOURCE

Form 1 Instructions:

1. Please complete all the fields below. **This NOC application is considered incomplete until signed.**
2. If the application contains any confidential business information, please complete a Request of Confidentiality of Records (www.orcaa.org/forms).
3. Duty to Correction Application: An applicant has the duty to supplement or correct an application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application must, upon becoming aware of such failure or incorrect submittal, promptly submit supplementary factors or corrected information.

Business Name:
Ag Processing Inc.

Mailing Address:
12700 West Dodge Road, Omaha, NE 68154

Physical Address of Project or New Source:
Terminal Way, Terminal 2 at Port of Grays Harbor

Billing Address:
12700 West Dodge Road, Omaha, NE 68154

For ORCAA use only

File No: 233
County No: 27
Source No: 24
Application No: 22NOC1562

Date Received:
Received
MAY 20 2022
ORCAA

Project or Equipment to be installed/established:
Adding six new baghouses, numerous rerouting of aspiration duckwork on existing conveyance and adding four new silos.

Anticipated startup date: 08 / 31 / 2022 Is facility currently registered with ORCAA? Yes ☐ No ☑

This project must meet the requirements of the State Environmental Policy Act (SEPA) before ORCAA can issue final approval. Indicate the SEPA compliance option:

☐ SEPA was satisfied by _____ (government agency) on ___/___/___ (date) - Include a copy of the SEPA determination

☑ SEPA threshold determination by City of Aberdeen (government agency) is pending - Include a copy of the environmental checklist

☐ ORCAA is the only government agency requiring a permit - Include ORCAA Environmental Checklist

☐ This project is exempt from SEPA per _____ (WAC citation).

Name of Owner of Business:
Lou Rickers

Agency Use Only

Title: Senior VP Operations and Engineering

Email: lrickers@AGP.com Phone: HQ:402-496-7809

Authorized Representative for Application (if different than owner):
Patrick Skillings

Title: Vice Present

Email: pskillings@skillings.com Phone: 360-491-3399

I hereby certify that the information contained in this application is, to the best of my knowledge, complete and correct.

Signature of Owner or Authorized Representative: (sign in Blue Ink)

Lou Rickers **Date:** 5-6-22

IMPORTANT: Do not send via email or other electronic means. ORCAA must receive Original, hardcopy, signed application and payment prior to processing application.

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 1D- Contact Information

Business Name	FOR ORCAA USE
	FILE #
Physical Site Address (Street address, city, state, zip)	CTY #
	SRC #
	Date Received
Previous Business Name (if applicable)	

Contact Information

Inspection Contact	
Name Seth Taylor	Title AGP Plant Manager
Phone 402-250-4724	Email staylor@AGP.com
Billing Contact	
Name Seth Taylor	Title AGP Plant Manager
Phone 402-250-4724	Email staylor@AGP.com
Emission Inventory Contact	
Name Allison Willis	Title AGP Environmental Compliance Manager
Phone 402-498-5597	Email awillis@AGP.com
Complaint Contact	
Name Allison Willis	Title AGP Environmental Compliance Manager
Phone 402-498-5597	Email awillis@AGP.com
Permit Contact	
Name Allison G. Willis	Title AGP Environmental Compliance Manager
Phone 402-498-5597	Email awillis@AGP.com

The **inspection contact** is the on-site person responsible for the everyday operation of the site and is available for inspections.
The **billing contact** is the person invoices are sent.
The **emission inventory contact** is the person requests for emissions information and material use information are sent.
The **complaint contact** is the person who receives and responds to complaints received on-site and who is contacted regarding complaints ORCAA receives.
The **permit contact** is the person responsible for filling out permit applications and receiving approval from ORCAA.

APPENDIX A

Form 12's
New Baghouses
9-14

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502
Telephone: (360)-539-7610 – Fax: (360)-491-6308
www.orcaa.org

FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE: BH9 (FH-0242) EP0201

General Information

Facility Name:		**Contact Person:** Lou Rickers	
		Phone Number: HQ: 402-496-7809	
		Email: lrickers@AGP.com	
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun		**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	
☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** TBNS 33514	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 6,500 Operating ACFM 6,500 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 60

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	_____%	_____%
5 – 10	_____%	_____%
Greater than 10	_____%	_____%

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

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FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : BH10 (FH-0248) EP0202

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor		**Contact Person:** Lou Rickers **Phone Number:** HQ: 402-496-7809 **Email:** lrickers@AGP.com	
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun		**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	
☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** RBA 911	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 3,600 Operating ACFM 3,600 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 10

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	_____%	_____%
5 – 10	_____%	_____%
Greater than 10	_____%	_____%

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

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FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : BH11 (FH-0257) EP0203

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor		**Contact Person:** Lou Rickers **Phone Number:** HQ: 402-496-7809 **Email:** lrickers@AGP.com	
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun		**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	
☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** RBA 915	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 7,200 Operating ACFM 7,200 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 30

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	_____%	_____%
5 – 10	_____%	_____%
Greater than 10	_____%	_____%

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

OLYMPIC REGION CLEAN AIR AGENCY

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www.orcaa.org

FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : BH12 (FH-0345) EP0303

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor	**Contact Person:** Lou Rickers
	Phone Number: HQ: 402-496-7809
	Email: lrickers@AGP.com
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun

☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** RBO/R 917	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 12,750 Operating ACFM 12,750 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 125

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	_____%	_____%
5 – 10	_____%	_____%
Greater than 10	_____%	_____%

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

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FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : BH13 (FH-0416) EP0401

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor		**Contact Person:** Lou Rickers **Phone Number:** HQ: 402-496-7809 **Email:** lrickers@AGP.com	
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun		**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	
☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** RBA 917	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 11,875 Operating ACFM 11,875 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 100

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:		
Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	_____%	_____%
5 – 10	_____%	_____%
Greater than 10	_____%	_____%

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

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www.orcaa.org

FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : BH14 (FH-0716) EP0701

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor	**Contact Person:** Lou Rickers **Phone Number:** HQ: 402-496-7809 **Email:** lrickers@AGP.com
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun

☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** TBNS 38016	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 12,750 Operating ACFM 9,850 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 125

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) < 2.0	Filtering Velocity (acfm/ft² cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	40 %	65 %
5 – 10	21 %	35 %
Greater than 10	39 %	0 %

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

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FORM 12

Fill out all the applicable equipment information requested below and submit the appropriate fees.

BAGHOUSE : Existing BH 7 (HF-035) EP 0301

General Information

Facility Name: AGP Processing Inc. Terminal 2 at Port of Grays Harbor		**Contact Person:** Lou Rickers **Phone Number:** HQ: 402-496-7809 **Email:** lrickers@AGP.com	
Facility Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun		**Baghouse Operating Schedule:** 24 hrs/day, 7 days/wk, 52 wks/yr **Indicate days when operating:** ☒ M ☒ T ☒ W ☒ Thu ☒ F ☒ Sat ☒ Sun	
☒ New Unit Installation ☐ Modification	**Manufacturer:** Twin City	**Model #** RBA 926	**Serial #** TBD

Technical Specifications

Air Flow: Design ACFM 80,000 Operating ACFM 17,880 Temperature Ambient °F	**Particulate Control Efficiency:** Pressure Drop (inches of water) 0"-10" Water Vapor Content (lbs/water/lbs dry air) _____ Fan Power (hp) 75

Describe Filter Material:

16 oz Singed polyester felt

Describe bag cleaning mechanism and cycle:

Reverse air

Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary):

See Appendix C for Process flow and schematic.

Particulate Emissions Data

Particulate Emissions:	Particulate Control Efficiency:
Inlet (gr/scf) _____	Filtering Velocity (acfm/ft^2 cloth) _____
Outlet (gr/scf) < 0.003	Particulate Control Efficiency (%) 99.5 + %

Describe Particulate Emissions:

Emissions will consist of grains and grain by-product particles typically less than 10 microns.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	40 %	65 %
5 – 10	21 %	35 %
Greater than 10	39 %	0 %

Other Information:

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

Filing Fee: See https://www.orcaa.org/services/fee-schedules/ for an up-to-date list of fees

APPENDIX B

Project Description

SKILLINGS

5016 Lacey Boulevard SE, Lacey, Washington 98503
(360) 491-3399 • Fax (360) 491-3857
www.skillings.com

Technical Memoranda

To: Olympic Regional Clean Air Agency (ORCAA)

From: Frank Stevick, Project Scientist
Patrick Skillings, Vice President

Subject: AG Processing Inc, Terminal 2 Bulk Loading Facility, Grays Harbor WA: Emissions

Date: May 6, 2022

Background and Purpose

The Port of Grays Harbor, Washington manages the operation of the bulk commodity ship loading facility located at Terminal 2 between 28th Street and Terminal 4 in Aberdeen. Ag Processing Inc (AGP) of Omaha, Nebraska built the facility in 2002. The property is bordered to the south by the Chehalis River and to the north by other Port tenants. The nearest residential area is approximately one-half mile northwest of the facility. The facility was originally permitted by ORCAA under Notice of Construction (NOC) #02NOC219, issued on May 22, 2002. Additions to the facility were permitted by ORCAA under NOC permit # 10NOC762 issued on December 3, 2010.

Operations at the facility were halted in 2021 due to a structural discrepancy, which required a full structural inspection of the facility. A full inspection and any potential repairs will take six to eight months to complete. In the interim an NOC application was submitted in September of 2021 to resume operations at the facility at a reduced rate of 600 tons of commodity transfer per hour (44% of rated full capacity) using a temporary ship loader and telescoping chutes for commodity transfer from the terminal to shipping vessels moored on site. Normal operations are anticipated to resume in the summer of 2022. The proposed project will reconfigure the original facility configuration, pre-temporary operations configuration, to a more efficient design for summer 2022 operations. The new configuration and added equipment will include a normal operating rating of 1,650 tons per hour of grain and 1,350 tons per hour for meal products.

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Table 1 lists all the changes by baghouse with a brief description and notes any changes to the proposed project layout of the facility. Appendix C (Process Flow Diagram) includes an existing condition (sheet 1, PDF-Existing) set of drawings prior to the September 2021 NOC application, and a proposed set of drawings (sheet 2, PDF-NEW) for this proposal. Please note that while BH-3 has been described in previous NOC applications, the facility does not contain a BH-3 baghouse.

Emission data from the Process Flow Diagram (Appendix C and Table 1) for normal operations at full production rate are calculated in Table 2 at 36.07 tons per year for the proposed project. This is down approximately 1 percent from the pre-proposal emission rate of 37 tons per year (Table 3). Emissions loading for baghouses 1, 4, 5, 6, and 8 are expected to remain consistent to pre-proposal levels because no changes were made to these systems. Baghouse 2 does include a move of the receiving transfer bridge inlet from EU1 (d) to EP 0201), but no changes in airflow are expected (Table 1). As a result, emission loading for baghouse 2 is expected to remain unchanged. Emission loading for baghouse 7 is expected to decrease from 9.01 tons per year to 2.01 tons per year mainly due to a decrease from 80,000 actual cubic feet per minute (acfm) to 17,880 acfm.

The conveyance to the new bins (i.e., silos: 14-17) will be expanded off the existing conveyance for bins (silos) 12 and 13. Aspiration for the extra conveyance will be handled by FH-0716 (i.e., BH14, north storage baghouse). The airflow on this baghouse (BH14) will be increased from 9,850 acfm to 11,875. This baghouse (BH14) will also be aspirating the silos themselves (bins 14-17), one at a time. So, there is no increase attributable to the new silos, just the conveyance.

The reclaim conveyance for these bins (silos 14-17) will also be expanded off the existing reclaim conveyance foe bins (silos) 12 and 13. This conveyance will be aspirated by FH-0345 (BH7) but no increase to the original project airflow of 12,750 acfm will be required.

The following assumptions were made when calculating new emission levels:

- 16 oz single polyester felt filters will be used on all new equipment (baghouses 9 through 14), which emit no more than 0.003 gr/dscf
- New filters will perform with a capture efficiency of up to 99.99%
- Original equipment installed in 2003 for baghouses 1 and 2 emit no more than 0.01 gr/dscf
- Equipment installed in the 2010 update of the facility emit nor more than 0.003 gr/dscf
- Baghouse 3 is not in operation or has been decommissioned
- The facility operates 24 hours a day (8,760 hours per year)
- The formula used in the tables to calculate tons per year is as follows:
    - (grain/dry standard cubic feet) × (actual cubic feet per minute) × (60 min/1 hour) ÷ (grain/standard cubic foot) = pounds per hour (lb/hr)
    - (lb/hr) × (8,760 hours/year) ÷ (1 ton/2,000 lb) = tons per year

Table 1. Emission data by baghouse (BH).

Control Device	Filter House (FH) Designation on Site Plan	Description	Changes
Baghouse #1 (BH-1) Receiving Building #1 (existing)	FH-0101	• 0.01 gr/dscf, (manufacturer's guarantee) • 30,100 acfm • Serves the receiving pit, receiving pit vacuum cyclone, commodity receiving conveyor discharge, and the scale feeder belt inlet.	None
Baghouse #2 (BH-2) Shipping Belt Inlet (existing)	FH-0102 HF-0242	• 0.01 gr/dscf, (manufacturer's guarantee) • 8,550 acfm • Serves the scale feeder belt discharge, scale, shipping vacuum cyclone, and the shipping vacuum inlet.	EU1 (d) Receiving Transfer Bridge inlet moved to EP-201 (FH-0242), but no change in airflow.
Baghouse #4 (BH-4) Shipping Belt Outlet (existing)	FH- 0104	• 0.01 gr/dscf, (manufacturer's guarantee) • 6,150 acfm • Serves head or discharge of the shipping belt and the inlet of the shuttle conveyor.	None
Baghouse #5 (BH-5) Ship Loader (existing)	FH-0103	• 0.01 gr/dscf, (manufacturer's guarantee) • 6,000 acfm • Serves the traveling ship loader and the retractable ship loading spout.	None
Baghouse #6 (BH-6) Railcar Receiving Building #2 (existing)	FH-0210	• 0.003 gr/dscf, (manufacturer's guarantee) • 49,200 acfm • Serves Railcar Receiving Building #2	None
Baghouse #7 (BH-7) (existing)	FH-0248 FH-0325 FH-0416 FH-0716 FH-0257 FH-0345	• 0.003 gr/dscf, (manufacturer's guarantee) • 17,880 acfm • Serves shipping and handling operations in the Shipping Structure and the Transfer Building	Airflow decreasing from 80,000 acfm to 17,880 acfm. Will aspirate Grain Tower including turnhead, bins 1 through 5, shipping belt conveyors #1 and 2, Screenings Bin, Dust Bin and Dust Bin Cyclone CY-0331. EU1(e) Receiving Leg moved to EP 202 (FH-0248). EU 1 (e) Transfer Leg moved to EP 303 (FH-0345), EU 2 (a) Distribution Belt Conveyors moved to EP 0401 (FH-0416) and EP 0701 (FH-0716). EU 3 (a) Shipping Legs moved to EP 0203 (FH-0257), EU 3 (f) Transfer Bridge Belt Inlet moved to EP 0303 (FH-0345), EU 3 (g) Jump Transfer Leg moved to EP 0303 (FH-0345)

Table 1 (Continued).

Control Device	Filter House (FH) Designation on Site Plan	Description	Changes
Baghouse #8 (BH-8) (existing)	FH--0319	• 0.003 gr/dscf, (manufacturer's guarantee) • 30,000 acfm • Serves the gravity cleaners and the scale in the Shipping Structure via Cyclone #4	None
BH9 Pit #1 to Storage Baghouse (new addition)	FH-0242	• 0.003 gr/dscf, (manufacturer's guarantee) • 6,500 acfm • Aspirates head of belt from Pit #1, CTF receiving belt conveyor and dust return cyclone	EU1(d) Receiving Transfer Bridge. Currently aspirated by BH2 (FH-102). Will be aspirated by EP020 FH-0242 baghouse post project.
BH10 Receiving Leg to Baghouse (new addition)	FH-0248	• 0.003 gr/dscf, (manufacturer's guarantee) • 3,600 acfm • Aspirates receiving leg EL-0209	EU1 (e) Receiving Leg. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP202 (FH-0248) baghouse post project.
BH11 Shipping Legs (new addition)	FH-0257	• 0.003 gr/dscf, (manufacturer's guarantee) • 7,200 acfm • Aspirates receiving legs EL-0216 and 0217	EU3 (d) Shipping Legs. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 0203 (FH-0257) baghouse post project.
BH12 Storage to Loadout (new addition)	FH-0345	• 0.003 gr/dscf, (manufacturer's guarantee) • 12,750 acfm • Aspirates reclaim conveyance for Storage Bins 6 through 17 to Shipping Tower and dust return cyclone	EU1 (e) Transfer Leg. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project. EU3 (f) Transfer Bridge Belts Inlet. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project. EU3 (g) Jump Transfer Leg. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project.
BH13 South Storage Baghouse (new addition)	FH-0416	• 0.003 gr/dscf, (manufacturer's guarantee) • 11,875 acfm • Aspirates Bins #6 through 11 and fill conveyance to these bins	EU-2(a) Distribution Belt Conveyors. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 401 (FH-0416) baghouse post project.
BH14 North Storage Baghouse (new addition)	FH-0716	• 0.003 gr/dscf, (manufacturer's guarantee) • 11,875 acfm • Aspirates Bins #12, #13, #14, #15, #16, #17 and fill conveyance to these bins	EU-2(a) Distribution Belt Conveyors. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 701 (FH-0716) baghouse post project.

Table 2. Emissions for the proposed project at full capacity.

Sources		gr/dscf	acfm	gr/scf	lb/hr	tons/yr
EP1	BH-1	0.01	30,100	7,000	2.5800	11.30
EP2	BH-2	0.01	8,550	7,000	0.7329	3.21
EP4	BH-4	0.01	6,150	7,000	0.5271	2.31
EP5	BH-5	0.01	6,000	7,000	0.5143	2.25
EP6	BH-6	0.003	49,200	7,000	1.2651	5.54
EP7	BH-7	0.003	17,880	7,000	0.4598	2.01
EP8	BH-8	0.003	30,000	7,000	0.7714	3.38
EP0201	BH-9	0.003	6,500	7,000	0.1671	0.73
EP0202	BH-10	0.003	3,600	7,000	0.0926	0.41
EP0203	BH-11	0.003	7,200	7,000	0.1851	0.81
EP0303	BH-12	0.003	12,750	7,000	0.3279	1.44
EP0401	BH-13	0.003	11,875	7,000	0.3054	1.34
EP0701	BH-14	0.003	11,875	7,000	0.3054	1.34
			Total Emissions		8.2341	36.07

Table 3. Pre-proposal emissions at the facility at full capacity.

Sources		gr/dscf	acfm	gr/scf	lb/hr	tons/yr
EP1	BH-1	0.01	30,100	7,000	2.5800	11.3004
EP2	BH-2	0.01	8,550	7,000	0.7329	3.2099
EP4	BH-4	0.01	6,150	7,000	0.5271	2.3089
EP5	BH-5	0.01	6,000	7,000	0.5143	2.2526
EP6	BH-6	0.003	49,200	7,000	1.2651	5.5413
EP7	BH-7	0.003	80,000	7,000	2.0571	9.0103
EP8	BH-8	0.003	30,000	7,000	0.7714	3.3789
			Total Emissions		8.4480	37.0022

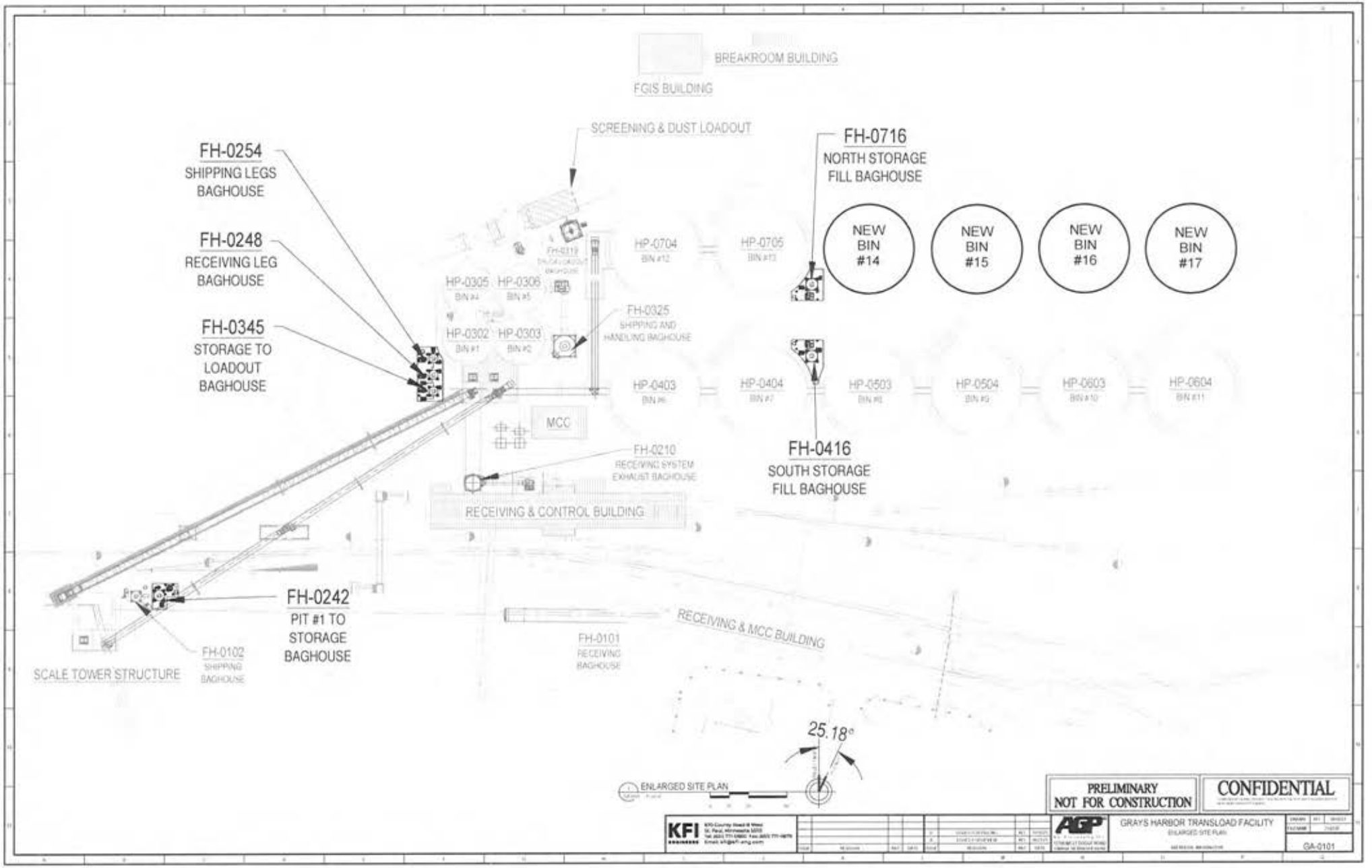
gr: grain
hr: hour
dscf: dry standard cubic feet
acfm: actual cubic feet per minute
scf: standard cubic feet

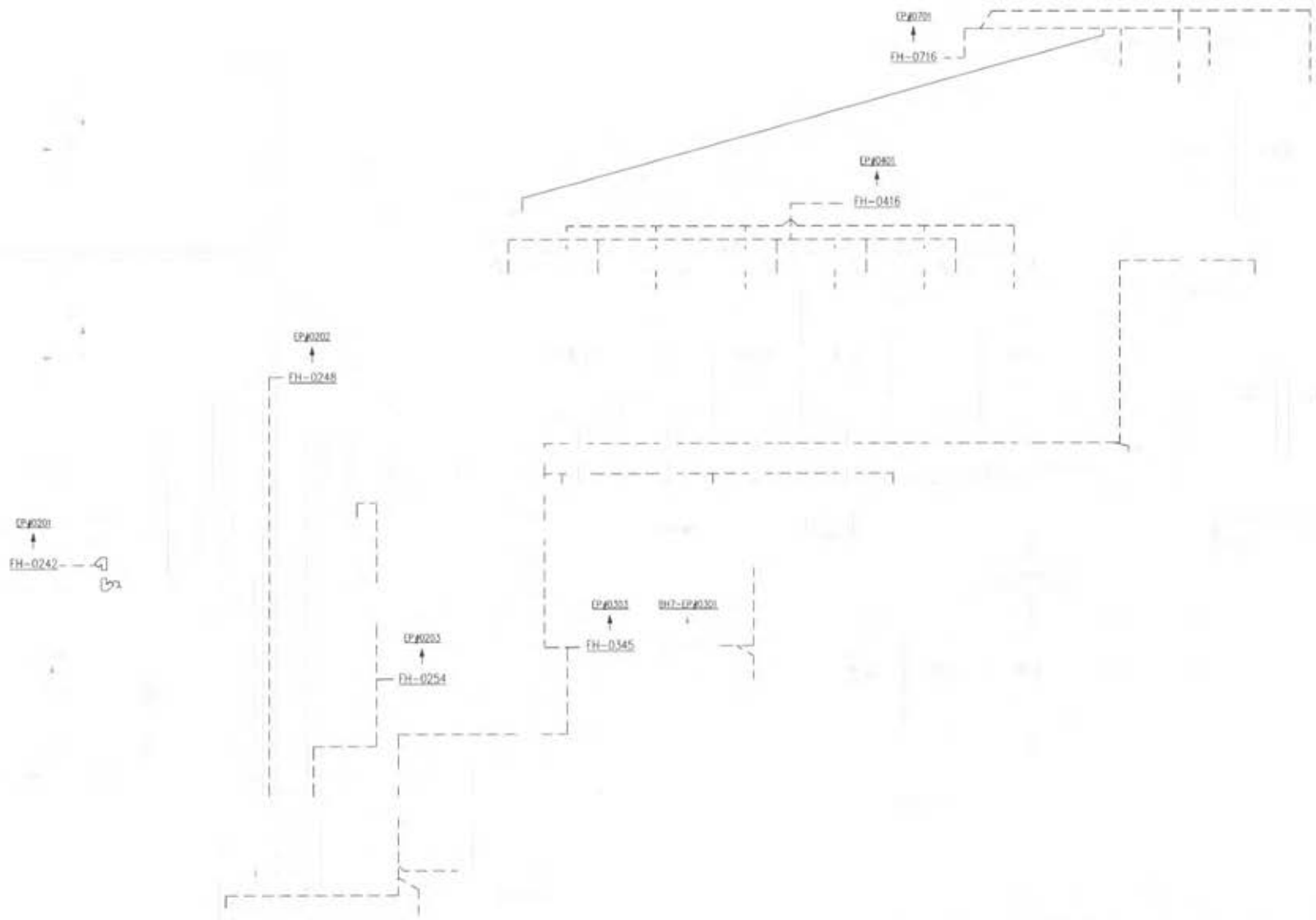
Conclusion

The proposed project improvements in efficiency and added equipment will decrease emissions over pre-proposal levels by approximate 1 percent. Efficiency and capability of the facility will be improved through reconfiguring a baghouse (BH-2), adding six new baghouses (BH-9 through BH-14), and adding four additional new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Total annual emissions at the pre-proposal facility was 37 tons per year. The improvements at the facility will decrease annual emissions to 36.07 tons per year. The calculated emissions for the proposed improvements at the facility assume 24-hour/day operations. This can be considered the worst-case scenario. Normal operations of a facility such as this will require down-time for various reasons such as maintenance and changing between various loaders. Therefore, actual emissions are expected to be below the calculated levels.

APPENDIX C

Process Flow Diagram


BREAKROOM BUILDING
FGIS BUILDING
SCREENING & DUST LOADOUT
FH-0254
SHIPPING LEGS BAGHOUSE
FH-0248
RECEIVING LEG BAGHOUSE
FH-0345
STORAGE TO LOADOUT BAGHOUSE
FH-0716
NORTH STORAGE FILL BAGHOUSE
NEW BIN #14
NEW BIN #15
NEW BIN #16
NEW BIN #17
HP-0704
HP-0705
HP-0305
HP-0306
HP-0302
HP-0303
FH-0325
SHIPPING AND HANDLING BAGHOUSE
HP-0403
HP-0404
HP-0503
HP-0504
HP-0603
HP-0604
MCC
FH-0210
RECEIVING SYSTEM EXHAUST BAGHOUSE
FH-0416
SOUTH STORAGE FILL BAGHOUSE
RECEIVING & CONTROL BUILDING
FH-0242
PIT #1 TO STORAGE BAGHOUSE
RECEIVING & MCC BUILDING
FH-0101
RECEIVING BAGHOUSE
FH-0102
SHIPPING BAGHOUSE
SCALE TOWER STRUCTURE
25.18°
1 ENLARGED SITE PLAN
PRELIMINARY
NOT FOR CONSTRUCTION
CONFIDENTIAL
KFI
AGP
GRAYS HARBOR TRANSLOAD FACILITY
ENLARGED SITE PLAN
GA-0101



GRAYS HARBOR ASPIRATION UPGRADE

NEW MATERIAL AND ASPIRATION

FLOW DIAGRAM

PFD-NEW

APPENDIX D

Technical Equipment

Descriptions

FILTER EMISSIONS STATEMENT
FOR
16 oz. Dacron Polyester Bags

Customer:	AGP		
Reference:	Grays Harbor Storage and Export Facility		
Equipment:	144MCF494	144MCF756	120MCF361
Air Flow	49,200 ACFM	68,400 ACFM	30,000 ACFM
Air to Cloth:	6.9:1	6.3:1	3.9:1

MAC Equipment, Inc. warrants its filters to be free of mechanical defects for a period of one year from the date of shipment in accordance with the "Warranty and Limitation" statement included with the original proposal.

MAC Equipment, Inc. also warrants the emissions of its new 16 oz. Dacron Polyester bags, when properly installed, applied and maintained, and when operated per the design parameters referenced in the original proposal and in accordance with the manufacturers operations manuals, to emit no more than 0.003 gr / dscf of air based on dry dust based on PM10. Depending on the operating parameters these filters can be expected to perform with a capture efficiency of up to 99.99% efficiency on PM10.

The Buyer will be responsible for any emissions testing expense and MAC Equipment Inc. reserves the right to be present during any emission tests and shall be notified at least 2 weeks prior to the testing. Emissions testing must be conducted within 30 days of start-up, or 60 days from equipment shipment.

Misuse, abuse, operating outside the stated parameters, and / or water, oil, or hydrocarbons will void the emissions expectation. MAC Equipment, Inc. shall not be held responsible for any failures or excess emissions due to upset operating conditions.

Under no circumstances will MAC Equipment, Inc. be liable or responsible for incidental or consequential damages.

Mike Althouse
Director of Filtration Technology
May 24, 2010

MAC Equipment, Inc.
PO Box 205
Highway 75 South
Sabetha, KS 66534-0205
785-284-2191 800-223-2191
Fax: 785-284-3565
www.macequipment.com

FILTER EMISSIONS STATEMENT
FOR
16 oz. Dacron Polyester Bags

Customer: Ag. Processing
Application: Soybean Meal

MAC Equipment, Inc. warrants its filters to be free of mechanical defects for a period of one year from the date of shipment in accordance with the "Warranty and Limitation" statement included with the original proposal.

MAC Equipment, Inc. also expects the emissions of its new 16 oz. Dacron Polyester bags, when properly installed, applied and maintained, and when operated per the design parameters referenced in the original proposal and in accordance with the manufacturers operations manuals, to emit no more than approximately 0.010 gr / dscf of air based on dry dust particle sizes of 2 microns and larger.

The Buyer will be responsible for any emissions testing expense and MAC Equipment Inc. reserves the right to be present during any emission tests and shall be notified at least 2 weeks prior to the testing. Emissions testing must be conducted within 30 days of start-up, or 60 days from equipment shipment.

Misuse, abuse, operating outside the stated parameters, and / or water, oil, or hydrocarbons will void the emissions expectation. MAC Equipment, Inc. shall not be held responsible for any failures or excess emissions due to upset operating conditions.

This emissions expectation is contingent upon MAC Equipment receiving a process dust sample for testing, analysis, and approval. Such testing could indicate another filter media as a more suitable choice. The expected emissions are also contingent upon an inlet grain loading acceptable to MAC Equipment.

Under no circumstances will MAC Equipment, Inc. be liable or responsible for incidental or consequential damages.

Craig Kauffman
Test Lab Manager
03/19/2001

Attachment 6

Engineering / Manufacturing KICE Skilled Air for Industry

KICE INDUSTRIES, INC.

WICHITA, KANSAS, U.S.A.

March 19, 2001

Mr. Larry Christopher
Ag Processing Inc.
Environmental Department
P.O. Box 2047
Omaha, NE 68103-2047

Dear Larry:

We wish to reply to your phone call of January 17, 2000, which we discussed filter efficiencies that may be expected from Kice PneuJet and Venturi-Jet air filter using bags made from 16 oz. Singed Polyester felt material.

We can safely say that you can expect the felt media to be at least 99.8% efficient. Usually this figure use to satisfy the EPA and others who may be concerned, today, we need to be more specific.

The Kice Pneu-Jet and Venturi-Jet filters are considerably more efficient than this - but this depends on many variables that can only be determined by specific analysis of your application, characteristics of the dust, dust loading per cfm, moisture content of the air, temperature, etc. Based on what we know about typical filter application, we can predict efficiency better than 99.98%. In other words, we are certain that the ratio of dust emission to the weight of the dust entering the filter will be less than 1 part per 5,000 according to our tests in flourmills. Because of the broad acceptance of bag house filter, they are applied in a wide variety of dust and pollution control situations, with variable factors that affect collection efficiency. Some of these factors are: particle size range, particle shape, surface condition, dust load concentration, air to cloth ratio "can velocity" in the housing, static charge, media and cleaning efficiency.

Following are several actual test conducted to determine the amount of actual amounts of particulate discharge from Kice PneuJet filters.

1. Grain elevator in Alabama - 0.001 to 0.004 grains par actual cubic foot of exhaust.
2. Flour mill in Utah - 0.007 to 0.0015 grains per dry standard cubic foot of exhaust
3. Grain processing plant in Iowa - negligible emissions, less that 0.0046 grains per standard cubic foot of exhaust
4. Grain elevator in Oklahoma - 0.0024 grains per dry standard cubic foot of filter exhaust, average of three tests.
5. Barges receiving in Alabama - 0.0026 grains per dry standard cubic foot of filter exhaust, average of three tests.

1 grain = $^{1}/_{70000}$ lb.

Edited test results with reference numbers are available upon request.

Corporate Headquarters
and Plant
5500 N. Mill Heights Drive
Wichita, KS 67219
(316) 744-7151
FAX: (316) 744-7355

South Plant
2040 S. Mead
Wichita, KS 67211
(316) 744-7151
FAX: (316) 744-7355

Branch Office
3343 Southgate Court S.W.
Suites 107 & 108
Cedar Rapids, IA 52404
(319) 364-5221
FAX: (319) 364-4860

e-mail: sales@kice.com • web site: www.kice.com

We use two different methods of cleaning the filter media; one utilizes small jets that discharge high-pressure air (80 - 100 psig) through a Venturi. This cleaning system utilizes the plant air supply to clean the filter bags. The Kice Pneu-Jet Filter uses a larger volume of medium pressure air (11 - 13 psig). This pressure range permits us to use the same type of pump and air system as is used for pneumatic conveying of flour where oil vapors cannot be tolerated. This air is used as fast as it is compressed, so it stays warm - above the condensation temperature, so we avoid most of the moisture problems common to filters that operate on 100-psig air.

If the filters are applied at the proper air to cloth ratio, the time before replacement of the filter media is normally 6 to 9 months. Many systems will operate with low-pressure drop for longer periods of time before the media needs to be cleaned.

In addition to the obvious advantages of eliminating the down time and cost of bag replacement and cleaning, our method of bag cleaning results in uniform pressure drop across the filter, hence continuously stable air rates for process machinery. The need for constant air volumes and differential pressure across the filter for process systems, was the problem we set out to solve when we decided to develop our own filter line. Results of thousands of installations now in operation confirm the advantages outlined above and have made PneuJet filter a very important product line.

We trust the above information is adequate for your present requirements. If you have any questions, please feel free to give us a call, for any additional information concerning filters or other Kice products.

Very truly yours,

Bob Williams/wl

Robert "Bob" Williams
KICE INDUSTRIES, INC.

Item 1 – Quantity 1 (Each)

TAG#: Pit 1 to Storage Baghouse Fan (For FH-0242)

Fan Description	Fan Performance	Motor Data
Tag..... FA-0245	**CFM 6,500**	HP..... 60
Quantity 1	SP (in-wg) 26.87	RPM 1800
Model..... TBNS	RPM 2081	Voltage 230/460V
Size 33514	Tip Speed (fpm) 18523	Phase..... 3
Width ..... SWSI	Operating BHP..... 44.93	Hz 60
Arrangement 1	Standard BHP..... 45.09	Enclosure ..... EXPL
Class.....HP	Outlet Velocity (fpm)6080	Efficiency .....Prem.
Rotation ..... CW	Temperature (°F)..... 70	Frame..... 364T
Discharge ..... THD	Altitude (ft) 100	
Wheel Diameter (in) 34.0	Density (lb./ft^3)..... 0.0747	
Drive Method 60 Hz Belt	Max. RPM for class .3200	
Percentage Width.. 100%	Static Efficiency...61.28%	
Percentage Diameter..100%	Total Efficiency....66.51%	

Twin City Model TBNS 33514 Fan, Arr. 1, Class HP, inspection port, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, motor slide base, inertia base – 1" deflection, for fan only, all guards painted safety yellow, Siemens 60HP, 1800 RPM, 230/460V, 3 phase, 60 Hz, II-G, 364T frame motor and mounting, constant speed 1.5 SF, Special paint color Schenck white. Fan weight: 2,599 lbs. (less motor weight)

Item 2 – Quantity 1 (Each)

TAG#: Transfer Leg Baghouse Fan (For FH-0248)

Fan Description	Fan Performance	Motor Data
Tag..... FA-0251	CFM 3,600	HP..... 10
Quantity 1	SP (in-wg) 10.52	RPM 1800
Model..... RBA	RPM 2497	Voltage 230/460V
Size 911	Tip Speed (fpm) 12502	Phase..... 3
Width ..... SWSI	Operating BHP..... 8.35	Hz 60
Arrangement 9B	Standard BHP..... 8.38	Enclosure ..... EXPL
Class.....22	Outlet Velocity (fpm)4545	Efficiency .....Prem.
Rotation ..... CW	Temperature (°F)..... 70	Frame..... 215T
Discharge ..... UBD	Altitude (ft) 100	
Wheel Diameter (in) 19.1	Density (lb./ft^3)..... 0.0747	
Drive Method 60 Hz Belt	Max. RPM for class .3373	
Percentage Width.. 100%	Static Efficiency...59.58%	
Percentage Diameter..100%	Total Efficiency....66.83%	

Twin City Model RBA 911 Fan, Arr. 9B, Class 22, bolted access door, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, all guards painted safety yellow, Siemens 10HP, 1800 RPM, 230/460V, 3 phase, 60 Hz, II-G, 215T frame motor and mounting, constant speed 1.5 SF, Special paint color Schenck white. Fan weight: 718 lbs. (less motor weight)

Total Price ***$6,133.00***

Item 3 – Quantity 1 (Each)

TAG#: Shipping Leg Baghouse Fan (For FH-0254) (Noted as FH-0257 on list)

Fan Description	Fan Performance	Motor Data
Tag..... FA-0257	CFM 7,200	HP..... 30
Quantity 1	SP (in-wg) 17.34	RPM 1800
Model..... RBA	RPM 2216	Voltage 230/460V
Size 915	Tip Speed (fpm) 15156	Phase..... 3
Width ..... SWSI	Operating BHP..... 24.40	Hz 60
Arrangement 9B	Standard BHP..... 24.49	Enclosure ..... EXPL
Class..... 22	Outlet Velocity (fpm)4839	Efficiency .....Prem.
Rotation ..... CW	Temperature (°F)..... 70	Frame..... 286T
Discharge ..... UBD	Altitude (ft) 100	
Wheel Diameter (in) 26.1	Density (lb./ft^3)..... 0.0747	
Drive Method 60 Hz Belt	Max. RPM for class .2521	
Percentage Width.. 100%	Static Efficiency...67.21%	
Percentage Diameter..100%	Total Efficiency....72.84%	

Twin City Model RBA 915 Fan, Arr. 9B, Class 22, bolted access door, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, all guards painted safety yellow, Siemens 30HP, 1800 RPM, 230/460V, 3 phase, 60 Hz, II-G, 286T frame motor and mounting, constant speed 1.5 SF, Special paint color Schenck white. Fan weight: 1,317 lbs. (less motor weight)

Item 4 – Quantity 1 (Each)

TAG#: South Storage Baghouse Fan (For FH-0416)

Fan Description	Fan Performance	Motor Data
Tag..... FA-0419	CFM 11,875	HP..... 100
Quantity 1	SP (in-wg) 30.04	RPM 1800
Model..... RBA	RPM 2593	Voltage 460V
Size 917	Tip Speed (fpm) 20111	Phase..... 3
Width ..... SWSI	Operating BHP..... 77.84	Hz 60
Arrangement 1	Standard BHP..... 77.84	Enclosure ..... EXPL
Class..... 45	Outlet Velocity (fpm)6950	Efficiency .....Prem.
Rotation ..... CW	Temperature (°F)..... 70	Frame..... 405T
Discharge ..... UBD	Altitude (ft) 100	
Wheel Diameter (in) 29.6	Density (lb./ft^3)..... 0.075	
Drive Method..... Belt	Max. RPM for class .3092	
Percentage Width.. 100%	Static Efficiency...67.23%	
Percentage Diameter..100%	Total Efficiency....73.96%	

Twin City Model RBA 917 Fan, Arr. 1, Class 45, bolted access door, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, all guards painted safety yellow, motor slide base, isolation base (1" deflection), Siemens 100HP, 1800 RPM, 460V, 3 phase, 60 Hz, II-G, 405T frame motor and mounting,

constant speed 1.5 SF, Special paint color Schenck white, Fan weight: 3,194 lbs. (less motor weight)

Item 5 – Quantity 1 (Each)

TAG#: North Storage Baghouse Fan (For FH-0716)

Fan Description		Fan Performance		Motor Data	
Tag	**FA-0719**	**CFM**	**12,750**	**HP**	**125**
Quantity	1	SP (in-wg)	30.57	RPM	1800
Model	TBNS	RPM	2022	Voltage	460V
Size	38016	Tip Speed (fpm)	22568	Phase	3
Width	SWSI	Operating BHP	121.19	Hz	60
Arrangement	1	Standard BHP	121.63	Enclosure	EXPL
Class	HP	Outlet Velocity (fpm)	8614	Efficiency	Prem.
Rotation	CW	Temperature (°F)	70	Frame	444T
Discharge	THD	Altitude (ft)	100		
Wheel Diameter (in)	38.5	Density (lb./ft^3)	0.0747		
Drive Method	Belt	Max. RPM for class	3200		
Percentage Width	100%	Static Efficiency	47.82%		
Percentage Diameter	100%	Total Efficiency	55.01%		

Twin City Model TBNS 38016 Fan, Arr. 1, Class HP, inspection port, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, motor slide base, inertia base – 1" deflection, for fan only, all guards painted safety yellow, Siemens 125HP, 1800 RPM, 460V, 3 phase, 60 Hz, II-G, 444T frame motor and mounting, constant speed 1.5 SF, Special paint color Schenck white. Fan weight: 3,803 lbs. (less motor weight) Note: Motor is VFD Rated

Item 6 – Quantity 1 (Each)

TAG#: Grain Tower (For FH-0325)

Fan Description		Fan Performance		Motor Data	
Tag	**FA-0342**	**CFM**	**17,900**	HP	75
Quantity	1	SP (in-wg)	14.5	RPM	1800
Model	RBA	RPM	1185	Voltage	230/460V
Size	926	Tip Speed (fpm)	13999	Phase	3
Width	SWSI	Operating BHP	60.15	Hz	60
Arrangement	9B	Standard BHP	60.37	Enclosure	EXPL
Class	22	Outlet Velocity (fpm)	4851	Efficiency	Prem.
Rotation	CW	Temperature (°F)	70	Frame	365T
Discharge	UBD	Altitude (ft)	100		
Wheel Diameter (in)	45.1	Density (lb./ft^3)	0.0747		
Drive Method	Belt	Max. RPM for class	1402		
Percentage Width	100%	Static Efficiency	68.02%		
Percentage Diameter	100%	Total Efficiency	74.87%		

Twin City Model RBA 926 Fan, Arr. 9B, Class 22, bolted access door, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom),

shaft and bearing guards, all guards painted safety yellow, Siemens 75HP, 1800 RPM, 230/460V, 3 phase, 60 Hz, II-G, 365T frame motor and mounting, fixed speed V-belt drive 1.5 SF, Special paint color Schenck white. Fan weight: 3,797 lbs. (less motor weight)

Item 7 – Quantity 1 (Each)

TAG#: Reclaim/Load Out (For FH-0345)

Fan Description		Fan Performance		Motor Data	
Tag	**FA-0348**	**CFM**	**12,750**	**HP**	**125**
Quantity	1	SP (in-wg)	27.14	RPM	1800
Model	RBO/R	RPM	2438	Voltage	460V
Size	917	Tip Speed (fpm)	19854	Phase	3
Width	SWSI	Operating BHP	98.76	Hz	60
Arrangement	1	Standard BHP	99.12	Enclosure	EXPL
Class	32	Outlet Velocity (fpm)	8019	Efficiency	Prem.
Rotation	CW	Temperature (°F)	70	Frame	444T
Discharge	UBD	Altitude (ft)	100		
Wheel Diameter (in)	31.1	Density (lb./ft^3)	0.0747		
Drive Method	Belt	Max. RPM for class	2577		
Percentage Width	100%	Static Efficiency	55.24%		
Percentage Diameter	100%	Total Efficiency	63.35%		

Twin City Model RBO/R 917 Fan, Arr. 1, Class 32, bolted access door, 2" drain W/plug, flanged inlet and outlet punched, OSHA type belt guard – expanded metal (front & bottom), shaft and bearing guards, all guards painted safety yellow, unitary base, Siemens 125HP, 1800 RPM, 460V, 3 phase, 60 Hz, II-G, 444T frame motor and mounting, fixed speed V-belt drive 1.5 SF, Special paint color Schenck white. Fan weight: 3,301 lbs. (less motor weight)

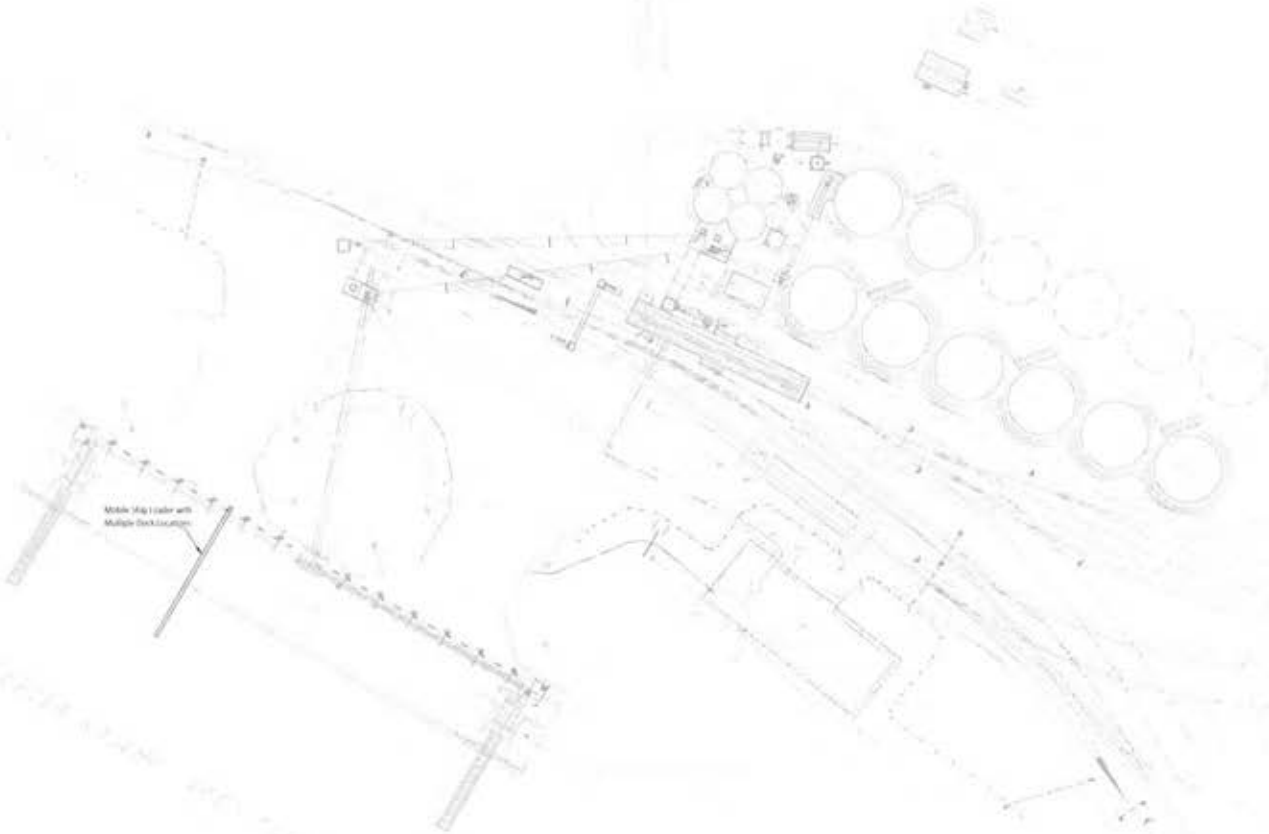
APPENDIX E

Site Map


Google
100%
imagery date: 7/22/18 - newer
100 m
Camera: 1,123 m 46°57'58"N 123°51'03"W
6 m
3D

SITE MAP

STACK SCHEDULE



1 OVERALL SITE PERMITTING PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

CONFIDENTIAL

KFI

AGP

GRAYS HARBOR TRANSLOAD FACILITY
OVERALL SITE PERMITTING PLAN

GA-0102

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background

1. Name of proposed project, if applicable:

Port of Grays Harbor: Terminal 2 Upgrade

2. Name of applicant:

Lou Rickers, Senior VP Operations and Engineering at AG Processing Inc.

3. Address and phone number of applicant and contact person:

12700 West Dodge Road, Omaha, NE 68154
Phone: 402-496-7809
Email: lrickers@AGP.com

4. Date checklist prepared:

April 19, 2022

5. Agency requesting checklist:

City of Aberdeen, WA.

6. Proposed timing or schedule (including phasing, if applicable):

The proposed project includes modifications and upgrades to an existing grain loading facility at the Port of Grays Harbor, Terminal 2. Modifications and upgrades include the installation of four new silos, rerouting of existing conveyance, the reconfiguration of one existing baghouse, and the addition of six new baghouses to improve efficiently and output of the facility. Anticipated startup of reconfiguration of existing conveyance and silo installation is August 2022. Anticipated completion date is within one year of approved SEPA.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

There are no future additions, expansions, or further activity related to or connected with this proposal.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

A JARPA for a shoreline exemption permit and Olympic Region Clean Air Agency application has been prepared for this proposed project.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No other applications other than a JARPA for a shoreline exemption permit and Olympic Region Clean Air Agency application have been prepared or are pending for this proposed project.

10. List any government approvals or permits that will be needed for your proposal, if known.

A JARPA for a shoreline exemption permit and Olympic Region Clean Air Agency application has been prepared for this proposed project.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin.

See Appendix C for a more detailed project description.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The proposed project is located at the Port of Grays Harbor at Terminal 2:

- 111 South Wooding, Port of Grays Harbor, Aberdeen, Washington, 98520.
- SW ¼ Section 18, Township 17, Range (
- 46.964909 N lat. / -123.853514 W long.
- Parcels: 029902000200 and 056402300000

B. Environmental Elements

1. *Earth*

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)?

0 to 5% slopes at the project site.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The U.S. Department of Agriculture's Natural Resource Conservation Service lists the two soil types present on site as:

1. Ocosta silty clay loam
2. Udorthents

However, this site is heavily industrialized and is composed mainly of non-permeable surfaces.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No surface indications or history of unstable soils at the project site or the immediate vicinity were observed.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The proposed project will include the following ground disturbance for the installation of four grain silos:

- Total area of disturbance: 60,200 sq ft x 19 ft deep = approximately 42,000 cubic yards of excavation for all four silos.
- Backfill for all four silos: approximately 11,600 cubic yards
- Silo foundations will be constructed with reinforced 10-inch concrete walls

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Erosion is not anticipated to increase beyond current levels.

Construction will use erosion BMPs to minimize erosion and will stabilize all exposed soils post construction.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The new silos will be built on top of existing impervious surface. No net change in total impervious is expected. The project site in its current state is approximately covered with 90% impervious surface.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The addition of new filters will reduce annual emissions from grain dust during loading.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin.

Expected emissions include grain particulate matter. Baseline conditions at the facility for grain particulate matter emissions is 37 tons per year when the facility is operating 24 hours a day for the entire year. In general, the facility does not operate 24 hours a day for the entire year and emissions would be reasonably be expected to be less than 37 tons per year. The proposed project would reduce emissions to 36 tons per year for grain particulate matter operating at 24 hours per day 365 days a year.

See attached application to the Olympic Region Clean Air Agency (ORCA) for further details.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No off-site emissions or odors will affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

The proposed project includes the use of a grain emission control and filtration device (i.e., baghouse filtration station) to reduce grain emissions and increase air quality in the vicinity of the project.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The Chehalis River is located adjacent to the proposed project. The river flows into Grays Harbor.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four

new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Erosion is not anticipated to increase beyond current levels. No over water work is required, and a portion of the work will be done within 200 feet of the Chehalis River

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

The proposed project does not include any excavation, use of fill or dredging.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

The proposed project will not require any surface water withdrawals or diversions.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

The proposed project will take place within 200 feet of the Chehalis River. According to FEMA the project site is in zone X, an area determined to be outside the 0.2% annual chance floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No discharges of waste materials are anticipated into surface waters.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No groundwater will be withdrawn for this project.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material will be discharged into the ground from septic or other sources for this proposed project.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The proposed project includes the installation of four new grain silos and modifications of grain conveyance equipment, existing water runoff will remain unchanged and unaffected by the new equipment.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No waste materials from the proposed project could enter ground water. Project waste materials would be limited to grain and could potentially enter surface water systems.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

Drainage patterns in the vicinity of the project site will remain unchanged.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The proposed project does not include measures to reduce or control surface, ground, runoff water, or drainage patterns.

4. Plants

a. Check the types of vegetation found on the site:

____deciduous tree: alder, maple, aspen, other
____evergreen tree: fir, cedar, pine, other
____shrubs
____grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
___X_other types of vegetation: Weeds.

b. What kind and amount of vegetation will be removed or altered?

No vegetation will be removed or altered for the proposed project.

c. List threatened and endangered species known to be on or near the site.

The following species are listed by the U.S.F.W.S as threatened or endangered for the vicinity of the project site:

1. Marbled Murrelet
2. Streaked Horned Lark
3. Yellow-billed Cuckoo
4. Bull Trout

No plants are ESA listed for the vicinity of the project site nor were any ESA listed plants observed at the project site.

See appendix E for further details.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The proposed project does not include any landscaping.

e. List all noxious weeds and invasive species known to be on or near the site.

No known noxious weeds or invasive species are known to be on or near the project site.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Seagulls are a common occurrence in this area.

b. List any threatened and endangered species known to be on or near the site.

The following species are listed by the U.S.F.W.S as threatened or endangered for the vicinity of the project site:

1. Marbled Murrelet
2. Streaked Horned Lark
3. Yellow-billed Cuckoo
4. Bull Trout

None of the above species were observed at the project site nor is their suitable habitat for any of the listed species above at the project site. The project site is a terrestrial industrial site located within 200 feet of the shoreline. The project site is covered with impervious surfaces, railroads, loading yards, and industrial buildings.

See appendix E for further details.

c. Is the site part of a migration route? If so, explain.

The Pacific Flyway for bird migrations is a known migration route in the area.

d. Proposed measures to preserve or enhance wildlife, if any:

There are no proposed measure for this project to preserve or enhance wildlife.

e. List any invasive animal species known to be on or near the site.

The site is an industrial area covered in impervious surfaces; no invasive species are known to be on or near the site.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Existing energy resources will be used to power the proposed project. Required energy needs for the project include electrical hookups.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The proposed project would not affect the potential use of solar energy by adjacent properties.

b. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

No energy conservation features are included in the plans of this proposal.

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

1) Describe any known or possible contamination at the site from present or past uses.

The department of Ecology does not list the presence of contamination at the project site.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

No existing hazardous chemicals or conditions would affect the project development and or design.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

No toxic or hazardous chemicals would be used or stored for this proposed project.

4) Describe special emergency services that might be required.

No additional emergency services would be required beyond those that exist at the project site.

5) Proposed measures to reduce or control environmental health hazards, if any:

No measures to reduce or control environmental health hazards are proposed beyond the use of a filtration system to reduce grain particulate emissions.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

No existing noises in the area would affect the proposed project.

3) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

The proposed project would not increase noise levels beyond existing conditions of a fully operational grain transport facility.

4) Proposed measures to reduce or control noise impacts, if any:

No measures are proposed to reduce or control noise impacts from the proposed project.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The current use of the site and adjacent properties is as an active port. The proposed project will not affect current land uses on nearby or adjacent properties. The proposed project includes the installation of permeant grain transport equipment and the installation of four new silos nested in with the existing silos.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

The project site has not been used as working farmlands or working forest lands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No, the project site is not used as working farmland or working forest lands.

c. Describe any structures on the site.

Structures on site include grain storage bins (silos), grain transport equipment, ground transport facilities for receiving grain from trains and trucks, and a pier for the loading and unloading of grain onto or off vessels.

d. Will any structures be demolished? If so, what?

No structures will be demolished for the proposed project.

e. What is the current zoning classification of the site?

Aberdeen I Industrial.

f. What is the current comprehensive plan designation of the site?

Aberdeen I Industrial.

g. If applicable, what is the current shoreline master program designation of the site?

Aberdeen I Industrial.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No, the project site is not classified as a critical area by the city or county.

i. Approximately how many people would reside or work in the completed project?

No people would reside or work in the completed project.

j. Approximately how many people would the completed project displace?

The completed project would displace zero people when completed.

k. Proposed measures to avoid or reduce displacement impacts, if any:

There are no proposed measures to avoid or reduce displacement impacts. There will be no displacement impacts from this project.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

There are no measures to ensure the proposal is compatible with existing and project land uses and plans.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

There are no measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance. There are no forest lands of long-term significance at the proposed project site. This facility is used as part of the agricultural grain transport chain and supports agricultural land use by providing a shipping facility.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

No housing units will be provided for this project.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No housing units will be eliminated for this project.

c. Proposed measures to reduce or control housing impacts, if any:

There are no proposed measures to reduce or control housing impacts for this project.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. New storage bins will be of the same material and height other existing silos onsite.

b. What views in the immediate vicinity would be altered or obstructed?

Views within the immediate vicinity are expected to remain largely unchanged. The addition of four silos to the existing bank of eight will add additional structures to the site. However, the addition of the four new silos as a continuation of the second bank placed behind the first bank of six silos will not change or obstruct the existing views.

c. Proposed measures to reduce or control aesthetic impacts, if any:

No measures are proposed to reduce or control aesthetic impacts for this project.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The proposed project would not produce any additional light or glare beyond existing conditions at the site.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

Light or glare from the proposed finished project would not be a safety hazard or interfere with current views.

c. What existing off-site sources of light or glare may affect your proposal?

Off-site sources of light or glare would not affect the proposed project.

d. Proposed measures to reduce or control light and glare impacts, if any:

There are no proposed measures to reduce or control light or glare impacts from the proposed project. No light or glare impacts are anticipated from the proposed project.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

The proposed project site is an active port. No designated or informal recreational opportunities are recommended at the project site. However, the Chehalis River lies adjacent to the project site and includes recreational opportunities such as boating and fishing. The project will not impact recreation use of the river.

b. Would the proposed project displace any existing recreational uses? If so, describe.

The proposed project would not displace any existing recreational opportunities or uses at the project site or in the vicinity.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

There are no proposed measures to reduce or control impacts on recreation for this project. There are no recreational impacts from the proposed project.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe.

There are no structures or buildings on site or sites, located on or near the site that are over 45 years old listed in or eligible for listing in the national, state, or local preservation registers.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

There are no landmarks, features, or other evidence of Indian or historic use or occupation of the proposed project site.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

A site visit was conducted to assess the potential impacts to cultural and historical resources on or near the project site and a review of online GIS data was conducted.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

There are no proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance t resources for the proposed project. The proposed project will not impact cultural resources on site.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

West 1st street and a freight train line services the project site for delivery of grain commodities.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

There is no public transit at the proposed project site. The proposed project site is an active port on a pier.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

Parking at the project site will remain unchanged from the proposed project.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The proposed project will not require any new or improvements to existing roads, streets, pedestrian, bike, or state transportation facilities.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The proposed project is in an active port, which is integrated with local transportation systems, shipping, freight trains, freight trucking. The proposed project will include equipment to transport grain products from the existing grain storage facility to grain shipping vessels.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

No new trips will be generated by the proposed project.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

The proposed project will not affect or be affected by the movement of forest products on roads or streets in the area. The proposed project includes the movement of agricultural products to vessels at the port. It is possible if grain is not transported in by road at some point the temporary equipment would run out of grain products to load onto ships at the facility.

h. Proposed measures to reduce or control transportation impacts, if any:

There are no proposed measures to reduce or control transportation impacts from the proposed project.

15. Public Services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

The proposed project would not result in an increased need for public services.

b. Proposed measures to reduce or control direct impacts on public services, if any.

The are no proposed measures to reduce or control direct impacts on public services for the proposed project.

16. Utilities

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

The pier for the proposed project includes electrical and refuse service.

e. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

The proposed project does not include utility work.

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Lou Rickers

Name of signee **Lou Rickers**

Position and Agency/Organization **Sr. VP of Operations and Engineering / Ag Processing Inc**

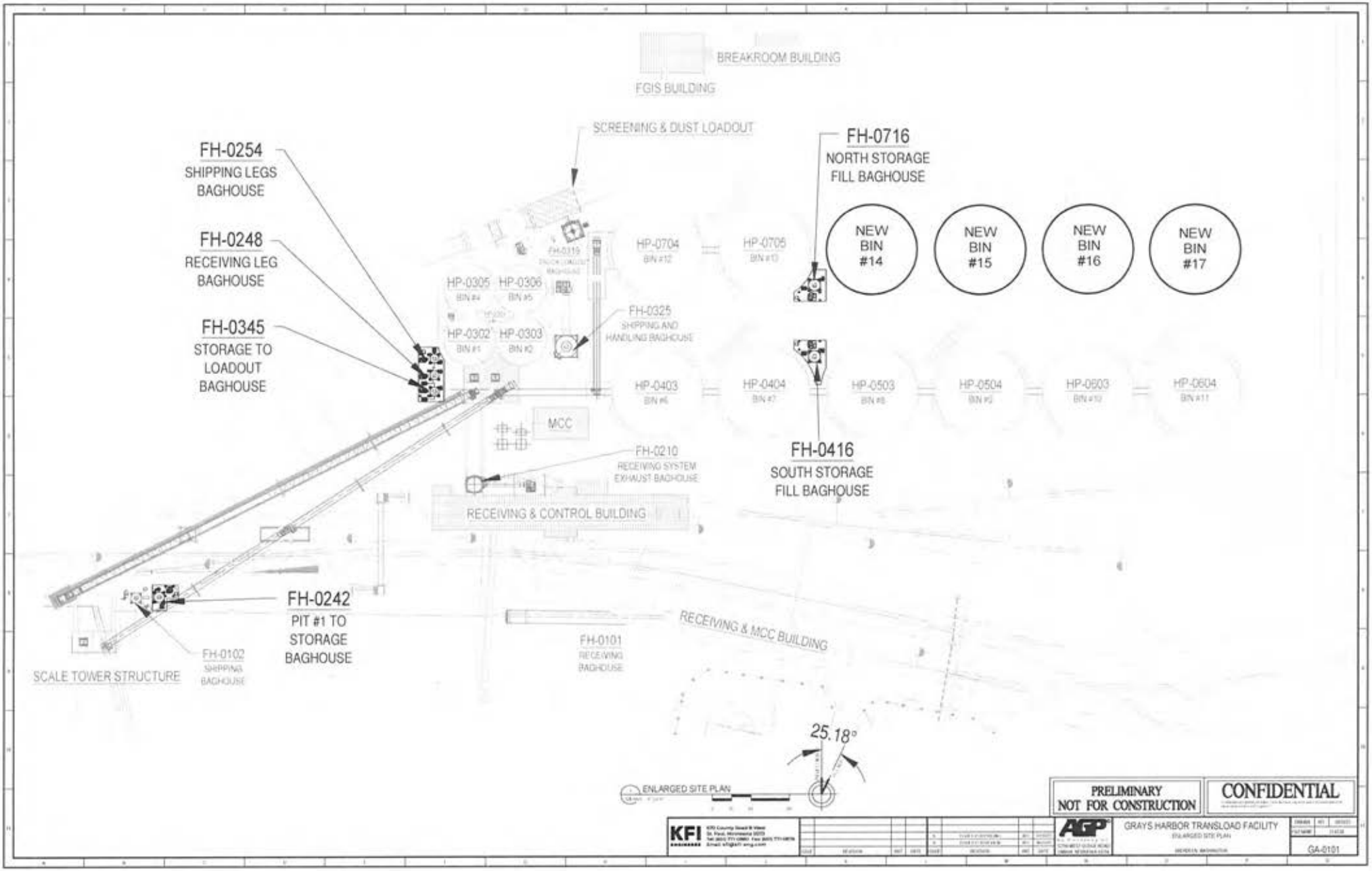
Date Submitted: 5/6/2022

APPENDIX A

Site Map


Google
100%
Imagery date: 7/22/18 - newer
100 m
Camera: 1,123 m 46°57'58"N 123°51'03"W 6 m
3D

SITE MAP


BREAKROOM BUILDING
FGIS BUILDING
SCREENING & DUST LOADOUT
FH-0254
SHIPPING LEGS BAGHOUSE
FH-0248
RECEIVING LEG BAGHOUSE
FH-0345
STORAGE TO LOADOUT BAGHOUSE
FH-0716
NORTH STORAGE FILL BAGHOUSE
NEW BIN #14
NEW BIN #15
NEW BIN #16
NEW BIN #17
HP-0704 BIN #12
HP-0705 BIN #13
HP-0305 BIN #4
HP-0306 BIN #5
HP-0302 BIN #1
HP-0303 BIN #2
FH-0325 SHIPPING AND HANDLING BAGHOUSE
HP-0403 BIN #6
HP-0404 BIN #7
HP-0503 BIN #8
HP-0504 BIN #9
HP-0603 BIN #10
HP-0604 BIN #11
MCC
FH-0210 RECEIVING SYSTEM EXHAUST BAGHOUSE
FH-0416 SOUTH STORAGE FILL BAGHOUSE
RECEIVING & CONTROL BUILDING
FH-0242 PIT #1 TO STORAGE BAGHOUSE
FH-0102 SHIPPING BAGHOUSE
SCALE TOWER STRUCTURE
FH-0101 RECEIVING BAGHOUSE
RECEIVING & MCC BUILDING
25.18°
ENLARGED SITE PLAN
PRELIMINARY NOT FOR CONSTRUCTION
CONFIDENTIAL
KFI
AGP
GRAYS HARBOR TRANSLOAD FACILITY
ENLARGED SITE PLAN
GA-0101

APPENDIX B

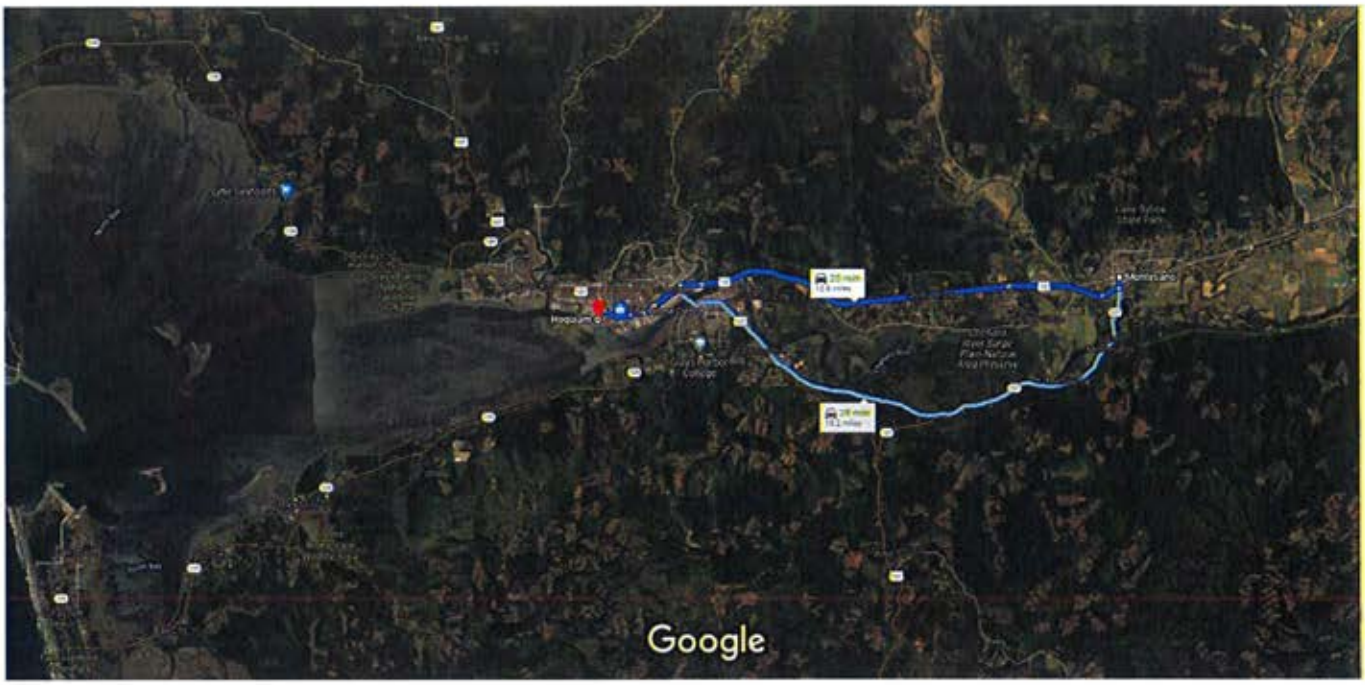
Driving Directions

Google Maps

Montesano, WA to Hoquiam, Washington

Port of Grays Harbor, Terminal 2.

Drive 12.8 miles, 20 min



Imagery ©2021 TerraMetrics, Map data ©2021 1 mi

via US-12 W	Fastest route, the usual traffic	20 min 12.8 miles
via WA-107 S and Blue Slough Rd		25 min 15.2 miles

Explore Hoquiam

Restaurants Hotels Gas stations Parking Lots More

APPENDIX C

Project Description

SKILLINGS

5016 Lacey Boulevard SE, Lacey, Washington 98503
(360) 491-3399 • Fax (360) 491-3857
www.skillings.com

Technical Memoranda

To: Olympic Regional Clean Air Agency (ORCAA)

From: Frank Stevick, Project Scientist
Patrick Skillings, Vice President

Subject: AG Processing Inc, Terminal 2 Bulk Loading Facility, Grays Harbor WA: Emissions

Date: May 6, 2022

Background and Purpose

The Port of Grays Harbor, Washington manages the operation of the bulk commodity ship loading facility located at Terminal 2 between 28th Street and Terminal 4 in Aberdeen. Ag Processing Inc (AGP) of Omaha, Nebraska built the facility in 2002. The property is bordered to the south by the Chehalis River and to the north by other Port tenants. The nearest residential area is approximately one-half mile northwest of the facility. The facility was originally permitted by ORCAA under Notice of Construction (NOC) #02NOC219, issued on May 22, 2002. Additions to the facility were permitted by ORCAA under NOC permit # 10NOC762 issued on December 3, 2010.

Operations at the facility were halted in 2021 due to a structural discrepancy, which required a full structural inspection of the facility. A full inspection and any potential repairs will take six to eight months to complete. In the interim an NOC application was submitted in September of 2021 to resume operations at the facility at a reduced rate of 600 tons of commodity transfer per hour (44% of rated full capacity) using a temporary ship loader and telescoping chutes for commodity transfer from the terminal to shipping vessels moored on site. Normal operations are anticipated to resume in the summer of 2022. The proposed project will reconfigure the original facility configuration, pre-temporary operations configuration, to a more efficient design for summer 2022 operations. The new configuration and added equipment will include a normal operating rating of 1,650 tons per hour of grain and 1,350 tons per hour for meal products.

The proposed project will improve operational efficiency and increase the facility's capabilities by reconfiguring a baghouse and adding six new baghouses (BH-9 through BH-14) to aspirate the existing system of conveyor belts and shipping transfer legs. Additional changes include the construction of four new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Table 1 lists all the changes by baghouse with a brief description and notes any changes to the proposed project layout of the facility. Appendix C (Process Flow Diagram) includes an existing condition (sheet 1, PDF-Existing) set of drawings prior to the September 2021 NOC application, and a proposed set of drawings (sheet 2, PDF-NEW) for this proposal. Please note that while BH-3 has been described in previous NOC applications, the facility does not contain a BH-3 baghouse.

Emission data from the Process Flow Diagram (Appendix C and Table 1) for normal operations at full production rate are calculated in Table 2 at 36.07 tons per year for the proposed project. This is down approximately 1 percent from the pre-proposal emission rate of 37 tons per year (Table 3). Emissions loading for baghouses 1, 4, 5, 6, and 8 are expected to remain consistent to pre-proposal levels because no changes were made to these systems. Baghouse 2 does include a move of the receiving transfer bridge inlet from EU1 (d) to EP 0201), but no changes in airflow are expected (Table 1). As a result, emission loading for baghouse 2 is expected to remain unchanged. Emission loading for baghouse 7 is expected to decrease from 9.01 tons per year to 2.01 tons per year mainly due to a decrease from 80,000 actual cubic feet per minute (acfm) to 17,880 acfm.

The conveyance to the new bins (i.e., silos: 14-17) will be expanded off the existing conveyance for bins (silos) 12 and 13. Aspiration for the extra conveyance will be handled by FH-0716 (i.e., BH14, north storage baghouse). The airflow on this baghouse (BH14) will be increased from 9,850 acfm to 11,875. This baghouse (BH14) will also be aspirating the silos themselves (bins 14-17), one at a time. So, there is no increase attributable to the new silos, just the conveyance.

The reclaim conveyance for these bins (silos 14-17) will also be expanded off the existing reclaim conveyance foe bins (silos) 12 and 13. This conveyance will be aspirated by FH-0345 (BH7) but no increase to the original project airflow of 12,750 acfm will be required.

The following assumptions were made when calculating new emission levels:

- 16 oz single polyester felt filters will be used on all new equipment (baghouses 9 through 14), which emit no more than 0.003 gr/dscf
- New filters will perform with a capture efficiency of up to 99.99%
- Original equipment installed in 2003 for baghouses 1 and 2 emit no more than 0.01 gr/dscf
- Equipment installed in the 2010 update of the facility emit nor more than 0.003 gr/dscf
- Baghouse 3 is not in operation or has been decommissioned
- The facility operates 24 hours a day (8,760 hours per year)
- The formula used in the tables to calculate tons per year is as follows:
    - (grain/dry standard cubic feet) × (actual cubic feet per minute) × (60 min/1 hour) ÷ (grain/standard cubic foot) = pounds per hour (lb/hr)
    - (lb/hr) × (8,760 hours/year) ÷ (1 ton/2,000 lb) = tons per year

Table 1. Emission data by baghouse (BH).

Control Device	Filter House (FH) Designation on Site Plan	Description	Changes
Baghouse #1 (BH-1) Receiving Building #1 (existing)	FH-0101	• 0.01 gr/dscf, (manufacturer's guarantee) • 30,100 acfm • Serves the receiving pit, receiving pit vacuum cyclone, commodity receiving conveyor discharge, and the scale feeder belt inlet.	None
Baghouse #2 (BH-2) Shipping Belt Inlet (existing)	FH-0102 HF-0242	• 0.01 gr/dscf, (manufacturer's guarantee) • 8,550 acfm • Serves the scale feeder belt discharge, scale, shipping vacuum cyclone, and the shipping vacuum inlet.	EU1 (d) Receiving Transfer Bridge inlet moved to EP-201 (FH-0242), but no change in airflow.
Baghouse #4 (BH-4) Shipping Belt Outlet (existing)	FH- 0104	• 0.01 gr/dscf, (manufacturer's guarantee) • 6,150 acfm • Serves head or discharge of the shipping belt and the inlet of the shuttle conveyor.	None
Baghouse #5 (BH-5) Ship Loader (existing)	FH-0103	• 0.01 gr/dscf, (manufacturer's guarantee) • 6,000 acfm • Serves the traveling ship loader and the retractable ship loading spout.	None
Baghouse #6 (BH-6) Railcar Receiving Building #2 (existing)	FH-0210	• 0.003 gr/dscf, (manufacturer's guarantee) • 49,200 acfm • Serves Railcar Receiving Building #2	None
Baghouse #7 (BH-7) (existing)	FH-0248 FH-0325 FH-0416 FH-0716 FH-0257 FH-0345	• 0.003 gr/dscf, (manufacturer's guarantee) • 17,880 acfm • Serves shipping and handling operations in the Shipping Structure and the Transfer Building	Airflow decreasing from 80,000 acfm to 17,880 acfm. Will aspirate Grain Tower including turnhead, bins 1 through 5, shipping belt conveyors #1 and 2, Screenings Bin, Dust Bin and Dust Bin Cyclone CY-0331. EU1(e) Receiving Leg moved to EP 202 (FH-0248). EU 1 (e) Transfer Leg moved to EP 303 (FH-0345), EU 2 (a) Distribution Belt Conveyors moved to EP 0401 (FH-0416) and EP 0701 (FH-0716). EU 3 (a) Shipping Legs moved to EP 0203 (FH-0257), EU 3 (f) Transfer Bridge Belt Inlet moved to EP 0303 (FH-0345), EU 3 (g) Jump Transfer Leg moved to EP 0303 (FH-0345)

Table 1 (Continued).

Control Device	Filter House (FH) Designation on Site Plan	Description	Changes
Baghouse #8 (BH-8) (existing)	FH--0319	• 0.003 gr/dscf, (manufacturer's guarantee) • 30,000 acfm • Serves the gravity cleaners and the scale in the Shipping Structure via Cyclone #4	None
BH9 Pit #1 to Storage Baghouse (new addition)	FH-0242	• 0.003 gr/dscf, (manufacturer's guarantee) • 6,500 acfm • Aspirates head of belt from Pit #1, CTF receiving belt conveyor and dust return cyclone	EU1(d) Receiving Transfer Bridge. Currently aspirated by BH2 (FH-102). Will be aspirated by EP020 FH-0242 baghouse post project.
BH10 Receiving Leg to Baghouse (new addition)	FH-0248	• 0.003 gr/dscf, (manufacturer's guarantee) • 3,600 acfm • Aspirates receiving leg EL-0209	EU1 (e) Receiving Leg. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP202 (FH-0248) baghouse post project.
BH11 Shipping Legs (new addition)	FH-0257	• 0.003 gr/dscf, (manufacturer's guarantee) • 7,200 acfm • Aspirates receiving legs EL-0216 and 0217	EU3 (d) Shipping Legs. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 0203 (FH-0257) baghouse post project.
BH12 Storage to Loadout (new addition)	FH-0345	• 0.003 gr/dscf, (manufacturer's guarantee) • 12,750 acfm • Aspirates reclaim conveyance for Storage Bins 6 through 17 to Shipping Tower and dust return cyclone	EU1 (e) Transfer Leg. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project. EU3 (f) Transfer Bridge Belts Inlet. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project. EU3 (g) Jump Transfer Leg. Currently aspirated by BH 7 (FH-0325). Will be aspirated by EP 303 (FH-0345) baghouse post project.
BH13 South Storage Baghouse (new addition)	FH-0416	• 0.003 gr/dscf, (manufacturer's guarantee) • 11,875 acfm • Aspirates Bins #6 through 11 and fill conveyance to these bins	EU-2(a) Distribution Belt Conveyors. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 401 (FH-0416) baghouse post project.
BH14 North Storage Baghouse (new addition)	FH-0716	• 0.003 gr/dscf, (manufacturer's guarantee) • 11,875 acfm • Aspirates Bins #12, #13, #14, #15, #16, #17 and fill conveyance to these bins	EU-2(a) Distribution Belt Conveyors. Currently aspirated by BH7 (FH-0325). Will be aspirated by EP 701 (FH-0716) baghouse post project.

Table 2. Emissions for the proposed project at full capacity.

Sources		gr/dscf	acfm	gr/scf	lb/hr	tons/yr
EP1	BH-1	0.01	30,100	7,000	2.5800	11.30
EP2	BH-2	0.01	8,550	7,000	0.7329	3.21
EP4	BH-4	0.01	6,150	7,000	0.5271	2.31
EP5	BH-5	0.01	6,000	7,000	0.5143	2.25
EP6	BH-6	0.003	49,200	7,000	1.2651	5.54
EP7	BH-7	0.003	17,880	7,000	0.4598	2.01
EP8	BH-8	0.003	30,000	7,000	0.7714	3.38
EP0201	BH-9	0.003	6,500	7,000	0.1671	0.73
EP0202	BH-10	0.003	3,600	7,000	0.0926	0.41
EP0203	BH-11	0.003	7,200	7,000	0.1851	0.81
EP0303	BH-12	0.003	12,750	7,000	0.3279	1.44
EP0401	BH-13	0.003	11,875	7,000	0.3054	1.34
EP0701	BH-14	0.003	11,875	7,000	0.3054	1.34
			Total Emissions		8.2341	36.07

Table 3. Pre-proposal emissions at the facility at full capacity.

Sources		gr/dscf	acfm	gr/scf	lb/hr	tons/yr
EP1	BH-1	0.01	30,100	7,000	2.5800	11.3004
EP2	BH-2	0.01	8,550	7,000	0.7329	3.2099
EP4	BH-4	0.01	6,150	7,000	0.5271	2.3089
EP5	BH-5	0.01	6,000	7,000	0.5143	2.2526
EP6	BH-6	0.003	49,200	7,000	1.2651	5.5413
EP7	BH-7	0.003	80,000	7,000	2.0571	9.0103
EP8	BH-8	0.003	30,000	7,000	0.7714	3.3789
			Total Emissions		8.4480	37.0022

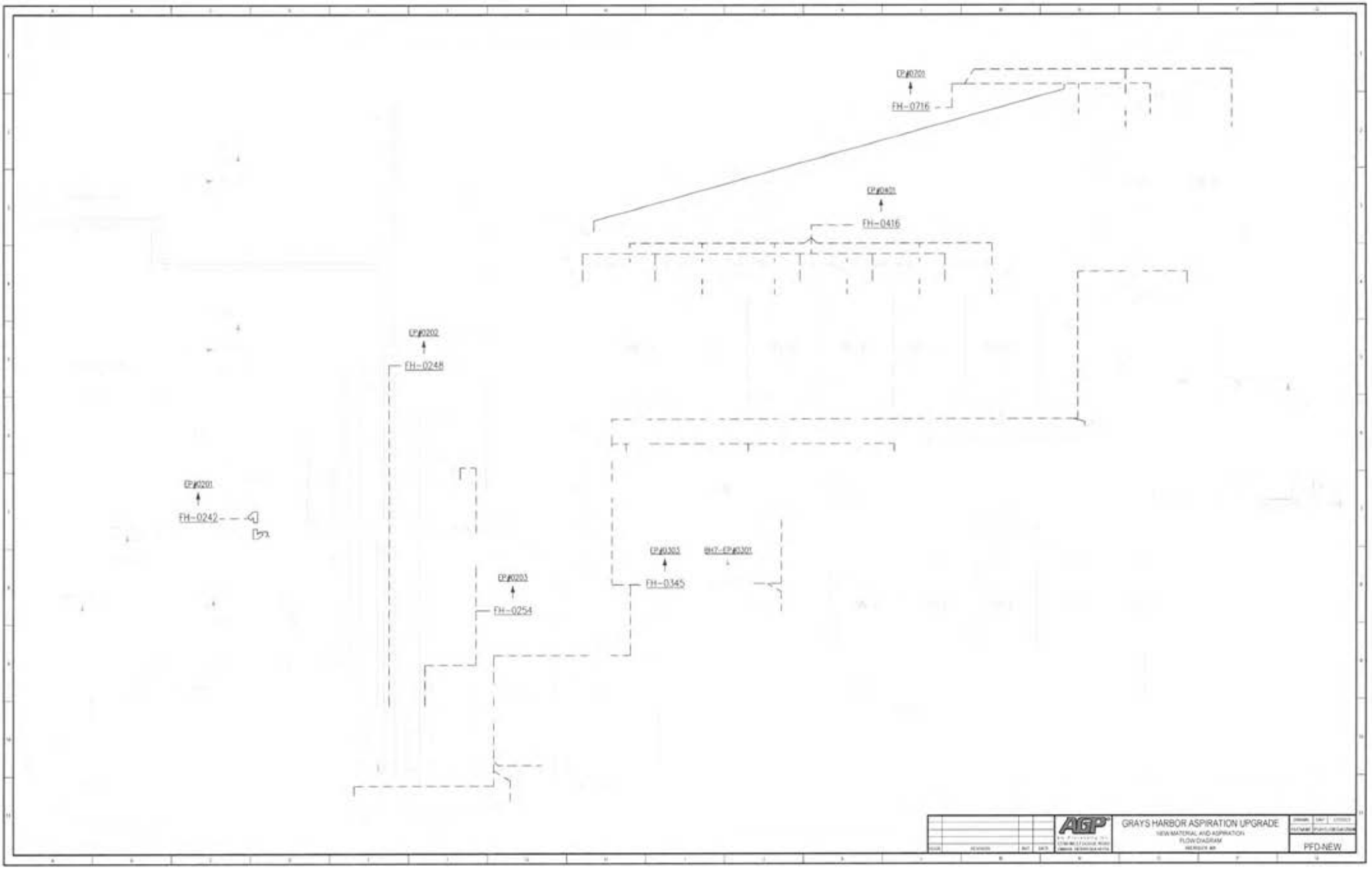
gr: grain
hr: hour
dscf: dry standard cubic feet
acfm: actual cubic feet per minute
scf: standard cubic feet

Conclusion

The proposed project improvements in efficiency and added equipment will decrease emissions over pre-proposal levels by approximate 1 percent. Efficiency and capability of the facility will be improved through reconfiguring a baghouse (BH-2), adding six new baghouses (BH-9 through BH-14), and adding four additional new storage bins (i.e., silos 14-17) with a capacity of 7,500 tons per bin. Total annual emissions at the pre-proposal facility was 37 tons per year. The improvements at the facility will decrease annual emissions to 36.07 tons per year. The calculated emissions for the proposed improvements at the facility assume 24-hour/day operations. This can be considered the worst-case scenario. Normal operations of a facility such as this will require down-time for various reasons such as maintenance and changing between various loaders. Therefore, actual emissions are expected to be below the calculated levels.

APPENDIX D

Project Flow Diagram


EP#0701
FH-0716
EP#0401
FH-0416
EP#0202
FH-0248
EP#0201
FH-0242
EP#0303
FH-0345
EP#0203
FH-0254
GRAYS HARBOR ASPIRATION UPGRADE
NEW MATERIAL AND ASPIRATION
FLOW DIAGRAM
PFD-NEW

APPENDIX E

IPaC Report

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Washington Fish And Wildlife Office
510 Desmond Drive Se, Suite 102
Lacey, WA 98503-1263
Phone: (360) 753-9440 Fax: (360) 753-9405
http://www.fws.gov/wafwo/

In Reply Refer To:
Project Code: 2022-0033982
Project Name: Port of Grays Harbor: Terminal 2 Upgrade

April 20, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office
510 Desmond Drive Se, Suite 102
Lacey, WA 98503-1263
(360) 753-9440

Project Summary

Project Code: 2022-0033982
Event Code: None
Project Name: Port of Grays Harbor: Terminal 2 Upgrade
Project Type: Port Development
Project Description: Upgrade of grain facilities at the Port of Grays Harbor.
Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@46.965003100000004,-123.85157756779137,14z

Counties: Grays Harbor County, Washington

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Marbled Murrelet *Brachyramphus marmoratus* Population: U.S.A. (CA, OR, WA) There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/4467	Threatened
Streaked Horned Lark *Eremophila alpestris strigata* There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7268	Threatened
Yellow-billed Cuckoo *Coccyzus americanus* Population: Western U.S. DPS There is **final** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout *Salvelinus confluentus* Population: U.S.A., conterminous, lower 48 states There is **final** critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Bull Trout *Salvelinus confluentus*	Final

https://ecos.fws.gov/ecp/species/8212#crithab

IPaC User Contact Information

Agency: Skillings, Inc.
Name: Frank Stevick
Address: 5016 Lacey Blvd SE
City: Lacey
State: WA
Zip: 98503
Email fstevick@skillings.com
Phone: 3604913399

APPENDIX F

303(d) Data


Legend:
Assessed sediment
Category 5 - 303(d)
Assessed water
Category 5 - 303(d)
Add map data
Change transparency
10%
0
0.1
0.2mi
Sumner Ave
Simpson Ave
East Hoquiam
Aberdeen Ave
Pacific Ave
Bay Ave
Henderson St
Port Industrial Rd
Ingram St
John Stevens Way
Ontario St
Cherry St
Pacific Coast Scenic Byway
Rennie Island
Grays Harbor
bing

APPENDIX G

NWI Data

U.S. Fish and Wildlife Service

National Wetlands Inventory

Port of Grays Harbor, Terminal 2 Wetland E

October 4, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

APPENDIX H

PHS Data

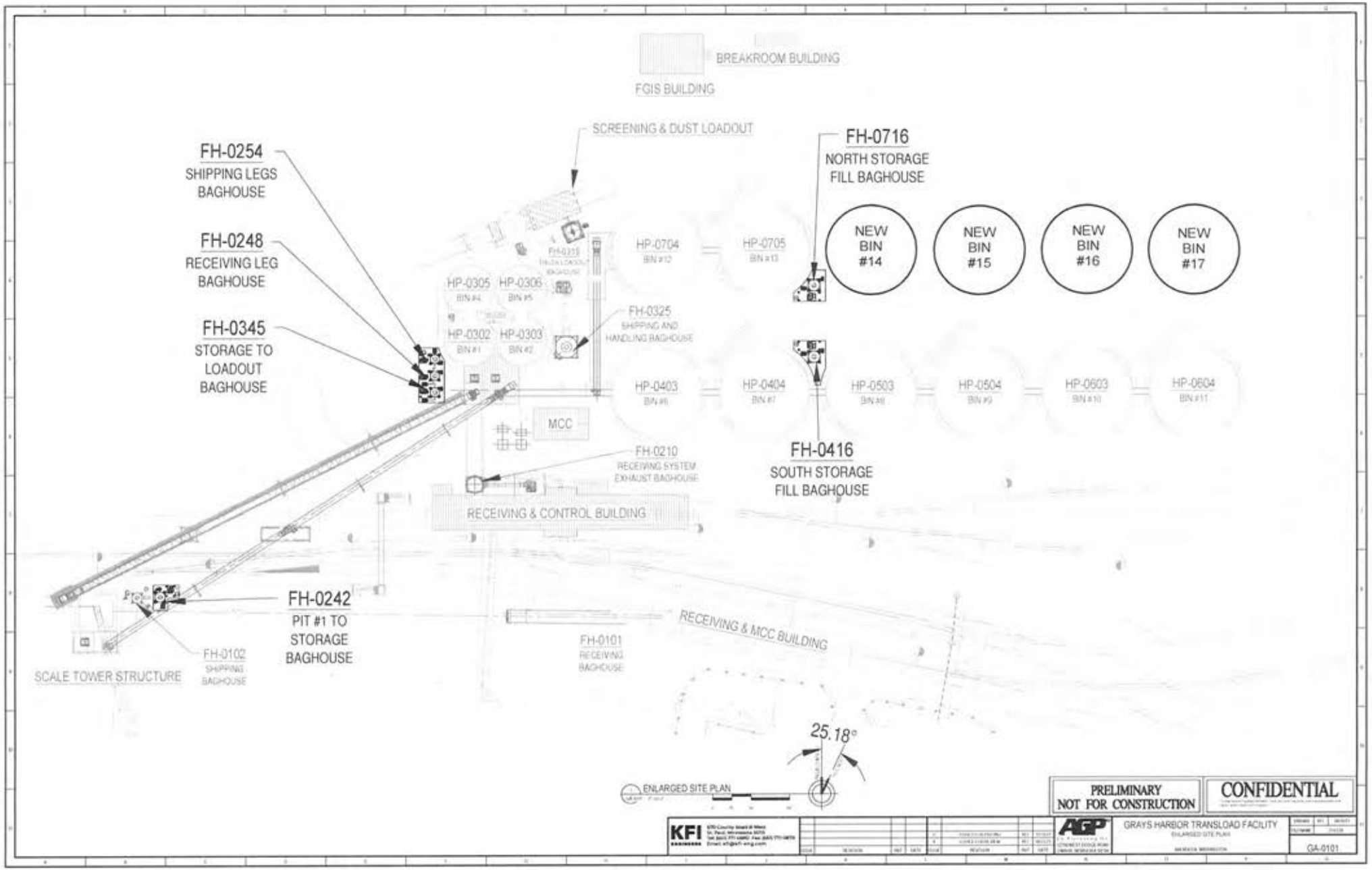
Priority Habitats and Species on the Web

Report Date: 04/20/2022

The Priority Habitats and Species (PHS) datasets do not contain information for your project area. This does not mean that species and habitats do not occur in your project area. PHS data, points, lines and polygons are mapped only when occurrences of these species or habitats have been observed in the field. Unfortunately, we have not been able to comprehensively survey all sections in the state and therefore, it is important to note that priority species and habitats may occur in areas not currently known to the Department.

APPENDIX I

Drawings


BREAKROOM BUILDING
FGIS BUILDING
SCREENING & DUST LOADOUT
FH-0254
SHIPPING LEGS BAGHOUSE
FH-0248
RECEIVING LEG BAGHOUSE
FH-0345
STORAGE TO LOADOUT BAGHOUSE
FH-0716
NORTH STORAGE FILL BAGHOUSE
NEW BIN #14
NEW BIN #15
NEW BIN #16
NEW BIN #17
HP-0704
HP-0705
HP-0305
HP-0306
HP-0302
HP-0303
FH-0325
SHIPPING AND HANDLING BAGHOUSE
HP-0403
HP-0404
HP-0503
HP-0504
HP-0603
HP-0604
MCC
FH-0210
RECEIVING SYSTEM EXHAUST BAGHOUSE
FH-0416
SOUTH STORAGE FILL BAGHOUSE
RECEIVING & CONTROL BUILDING
FH-0242
PIT #1 TO STORAGE BAGHOUSE
RECEIVING & MCC BUILDING
FH-0101
RECEIVING BAGHOUSE
FH-0102
SHIPPING BAGHOUSE
SCALE TOWER STRUCTURE
25.18°
ENLARGED SITE PLAN
PRELIMINARY
NOT FOR CONSTRUCTION
CONFIDENTIAL
KFI
AGP
GRAYS HARBOR TRANSLOAD FACILITY
ENLARGED SITE PLAN
GA-0101

APPENDIX J

FEMA Data

NOTES TO USERS

...re for use in administering the National Flood Insurance Program. It does ...ssarily identify all areas subject to flooding, particularly from local drainage ...r small size. The **community map repository** should be consulted for ...pdated or additional flood hazard information.

...more detailed information in areas where **Base Flood Elevations** (BFEs) ...adways have been determined, users are encouraged to consult the Flood ...ter Elevation Data and/or Summary of Stillwater Elevations tables contained ... Flood Insurance Study (FIS) Report that accompanies this FIRM. Users ...e aware that BFEs shown on the FIRM represent rounded whole-foot ... These BFEs are intended for flood insurance rating purposes only and ...ld not be used as the sole source of flood elevation information. Accordingly, ...ation data presented in the FIS Report should be utilized in conjunction with ... for purposes of construction and/or floodplain management.

Base Flood Elevations shown on this map apply only landward of 0.0 ...erican Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be ...e coastal flood elevations are also provided in the Summary of Stillwater ...tions in the Flood Insurance Study Report for this jurisdiction. Elevations ... the Summary of Stillwater Elevations table should be used for construction ...odplain management purposes when they are higher than the elevations ... this FIRM.

...ss of the **floodways** were computed at cross sections and interpolated ...een cross sections. The floodways were based on hydraulic considerations with ...requirements of the National Flood Insurance Program. Floodway widths ...pertinent floodway data are provided in the Flood Insurance Study Report ...ilable.

...eas not in Special Flood Hazard Areas may be protected by **flood control** ...es. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance ...port for information on flood control structures for this jurisdiction.

...ojection used in the preparation of this map was Universal Transverse ...rcator (UTM) zone 10. The **horizontal datum** was NAD 83, GRS 1980 ...spheroid. Differences in datum, spheroid, projection or UTM zones used in the ...uction of FIRMs for adjacent jurisdictions may result in slight positional ...ences in map features across jurisdiction boundaries. These differences do not ...ect the accuracy of this FIRM.

...ations on this map are referenced to the North American Vertical Datum of ...88. Flood elevations must be compared to structure and ground elevations ...referenced to the same **vertical datum**. For information regarding conversion ...between the National Geodetic Vertical Datum of 1929 and the North American ...rtical Datum of 1988, visit the National Geodetic Survey website at ...ngs.noaa.gov or contact the National Geodetic Survey at the following ...ess:

...ational Geodetic Survey
...NGS12
...Geodetic Survey
...#9202
...1 West Highway
...ring, Maryland 20910-3282
...-3282

...For current elevation, description, and/or location information for **benchmarks** ...n this map, please contact the Information Services Branch of the National ...odetic Survey at (301) 713- 3242, or visit its website at http://www.ngs.noaa.gov.

...ographic information shown on this FIRM was derived from multiple sources ...digital files were provided in digital format by Grays Harbor County GIS ...ent, WA DNR, and NGS. This information was compiled at various ...ales during the time period 2004-2008.

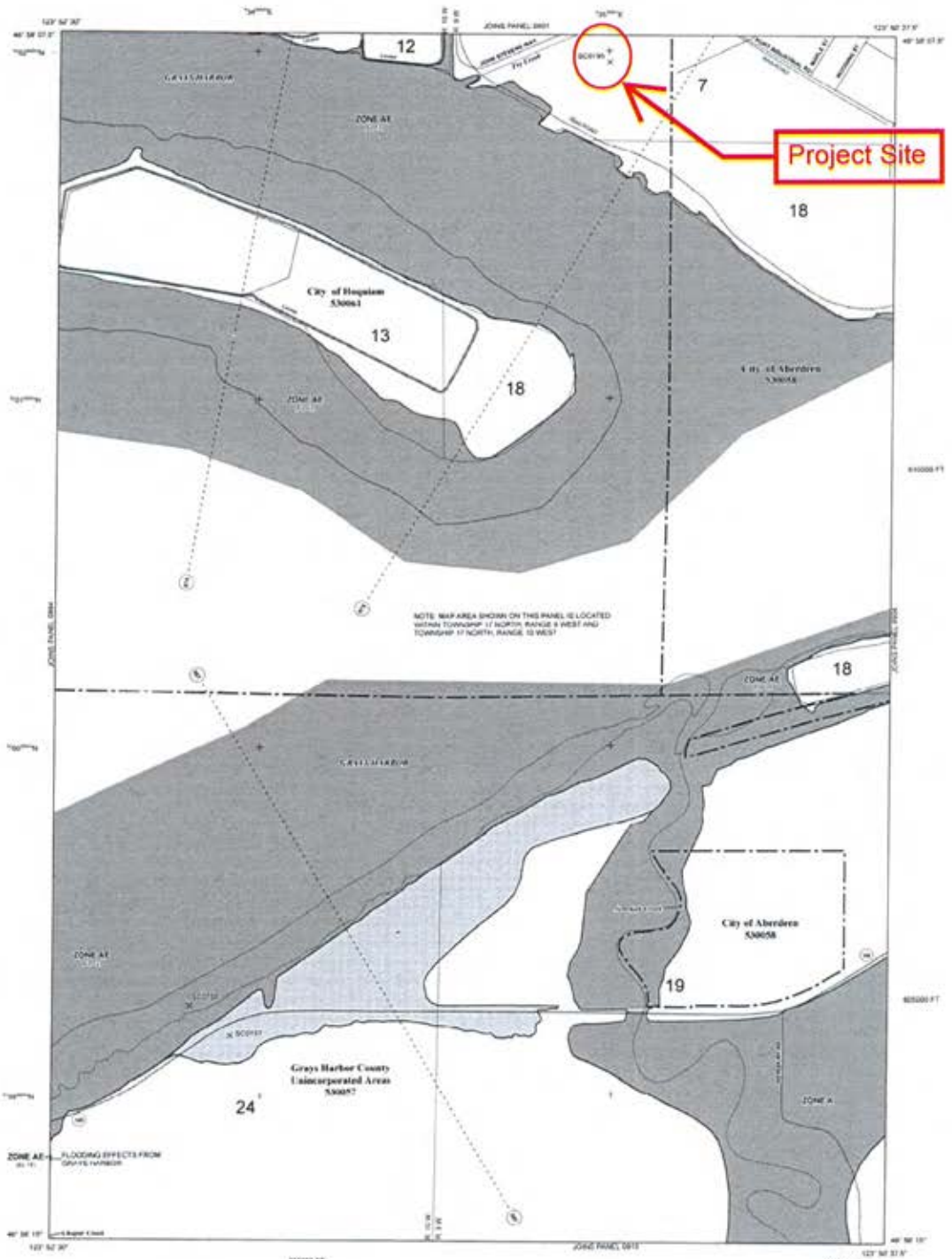
...ain boundaries depicted on this map represent the hydraulic modeling baselines ...n the flood profiles in the FIS report. As a result of improved topographic data ...**ain baselines**, in some cases, may deviate significantly from the channel ...ter or appear outside the SFHA.

...ase limits shown on this map are based on the best data available at the time ...ication. Because changes due to annexations or de-annexations may have ...urred after this map was published, map users should contact appropriate ...munity officials to verify current corporate limit locations.

...fer to the separately printed **Map Index** for an overview map of the ...ounty showing the layout of map panels, community map repository addresses, ...sting of Communities table containing National Flood Insurance Program ...ate for each community as well as a listing of the panels on which each community ...ded.

...formation on available products associated with this FIRM visit the **Map ...Center (MSC)** website at http://msc.fema.gov. Available products may ...include previously issued Letters of Map Change, a Flood Insurance Study Report, ...and digital versions of this map. Many of these products can be ordered or ...ded directly from the MSC website.

...estions about this map, how to order products, or the National ...ance Program in general, please call the **FEMA Map Information ...ge (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA ...site at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the Base Flood, is the flood ... a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard ... the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Haz... include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-s... elevation of the 1% annual chance flood.

ZONE A — No Base Flood Elevations determined.

ZONE AE — Base Flood Elevations determined.

ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Ele... determined.

ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); av... depths determined. For areas of alluvial fan flooding, velocities also d...

ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual ch... flood by a flood control system that was subsequently decertified. Zo... AR indicates that the former flood control system is being restored to ... protection from the 1% annual chance or greater flood.

ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood ... protection system under construction; no Base Flood Elevations deter...

ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood ... determined.

ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Ele... determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be k... unencumbered so that the 1% annual chance flood can be carried without substantial ... flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with ... average depths of less than 1 foot or with drainage areas less than 1 squ... mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Are...

1% Annual Chance Floodplain Boundary

0.2% Annual Chance Floodplain Boundary

Floodway Boundary

Zone D Boundary

CBRS and OPA Boundary

Boundary dividing Special Flood Hazard Area Zones and ... for dividing Special Flood Hazard Areas of different Base Flood ... Flood Depths, or Flood Velocities.

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; ... feet*

*Referenced to the North American Vertical Datum of 1988

Cross section line

Transect line

Geographic coordinates referenced to the North American ... 1983 (NAD 83) Western Hemisphere

1000-meter Universal Transverse Mercator grid values, zone ...

Bench mark (see explanation in Notes to Users section of t... panel)

River Mile

MAP REPOSITORY

Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

February 3, 2012

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For communities/areas beyond the countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance ag... or call the National Flood Insurance Program at 1-800-638-6620.

NORTH

MAP SCALE 1" = 500'

500 0 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0903D

FIRM

FLOOD INSURANCE RATE M...

GRAYS HARBOR, WASHINGTON AND INCORPORATED ARE...

PANEL 903 OF 1295

(SEE MAP INDEX FOR FIRM PANEL LA...

CONTAINS:

COMMUNITY	NUMBER	PANEL
ABERDEEN, CITY OF	530058	0903
GRAYS HARBOR COUNTY, ...	530057	0903
HOQUIAM, CITY OF	530061	0903

Notice to User: The **Map Number** shou... should be used when placing map or... **Community Number** shown above sh... used on insurance applications for the ... community.

MAP NUM... 53027C0...

EFFECTIVE ... FEBRUARY 3...

Federal Emergency Management ...

National Flood Hazard Layer FIRMette

FEMA

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/25/2022 at 12:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.