



David Smith
Plant Engineer
9710 NE Glass Plant Road
Portland, OR 97220
567-336-3430

January 18, 2024

VIA EMAIL (Becka.Puskas@deq.oregon.gov)
Ms. Becka Puskas
Oregon Department of Environmental Quality ("ODEQ")
Northwest Region
700 NE Multnomah Street, Suite 600
Portland, Oregon 97232-4100

Re: Monthly Progress Report
Mutual Agreement and Final Order (MAO) Case No. AQ/V-NWR-2020-208

Dear Ms. Puskas,

Below is the monthly progress report for Owens-Brockway's Air Quality Control (AQC) device project per Section II.3.b.i. of the above-referenced MAO.

Engineering Design > Engineering package/City of Portland Permit progress update

> AQC System Permit Application

January 18, 2023

- Completed - City permit is issued
- OI is working with Tri-Mer (general contractor) to finalize its mobilization schedule for commencement of onsite construction work

January 17, 2023

- Completed - Permitting services prescreen
- Completed - Planning and zoning and life safety prescreens
- Completed - Intake fees billed
- Completed - Payment of intake fees
- Completed - 1st review cycle - TMC officially received the project back for comment on 10/31/23
- Completed - Respond to any comments and corrections - TMC responded to the reviewer comments and uploaded associated documents on 11/8/23 on city of Portland project dox system
- Completed - Additional review cycles (depending on the complexity of the resubmittal, the estimated date to conclude this city review is 11/20)
- Completed - Steps F & G repeat as needed
- Completed - After all reviews are complete the project moves to pre-issuance, the final stage of the City review process
- Completed - Final fee payment
- In Process - Permit is issued

January 12th, 2023

- All reviews are complete and the project moves to pre-issuance, the final stage of the City review process

January 11th, 2023

- 02 items resolved and 01 open, still under city final review

January 9th, 2023

- Final documents required related to the 03 items open were uploaded to city portal (project dox) and emailed the supervisor to let them know it is ready for review.

January 4th, 2023

- The city return the comments from the last update, the departments have all resolved their inquiries except (3) items from the Planning and Zoning Department

December 29th, 2023

- Permit process approval: Still in city review
- Regarding status online we only had items still open in the Planning and Zoning Department (non-conforming upgrades) to complete review. All other departments were resolved based on online review at this time.

December 22, 2023

- City processed the correction submittal and the new review cycle has a goal review date of 12/29/23.

December 21, 2023

- Response #2 submitted to Project dox
- Emailed the City of Oregon to let them know it is in the city's court on project dox

Sincerely,



Andrea Caceres
Senior Project Manager

cc by email: Weston.Li@deq.oregon.gov
John Browning, Bridgewater Group
Geoff Tichenor, Stoel Rives



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February 13, 2024

VIA EMAIL (Becka.Puskas@deq.oregon.gov)
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Business Update > The hot hold on the furnace was lifted on January 31st and normal operation resumed

Engineering Design > Engineering package/City of Portland Permit progress update
> AQC System Permit Application

February 8th, 2024

- The UCP foundation has been cleared in preparation for concrete work tomorrow

February 7th, 2024

- Completed – New piping for the air and gas supply for the AQC system

February 6th, 2024

- Completed - Demo Existing Asphalt and Foundations
- Started – Underground Utilities

January 31st, 2024

- Started - Demo Existing Asphalt and Foundations

January 30th, 2024

- Completed – Demo existing steel structure in the project area

January 25th, 2024

- Completed- Site Staking with Spicer Group
- Completed- Construction Trailer Delivery
- Completed- Contractor to mobilize for next week

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrea', with a stylized flourish extending from the end.

Andrea Caceres
Senior Project Manager

cc by email: Weston.Li@deq.oregon.gov
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March 18, 2024

VIA EMAIL (Becka.Puskas@deq.oregon.gov)
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Engineering Design > Engineering package/City of Portland Permit progress update

> AQC System Permit Application

March 13th, 2024

- Slab "A" UCF System – Poured
- Slab "B" Ammonia containment – Poured
- Slab "E" DSI Silo– Poured
- Slab "J1" Duct Support – Poured
- Slab "J2" Duct Support – Poured
- Slab "J3" Duct Support – Poured
- Slab "L" Process Duct Storage Silo – Poured
- Slab "K" UCF Access Stairs – Poured
- Underground Utilities – grounding grid in – utilities underway

March 7th, 2024

- Electrical grounding complete for "J2", "J3" and "L"

March 6th, 2024

- Geotech on site and approved density for "J2", "J3", "L" and "C"

March 01st, 2024

- Geotech – Special Inspection Daily Field
- Geotech - Concrete Field Report

February 29th, 2024

- Geotech – Special Inspection Daily Field

- PSI approved the bars prior to pouring the slabs

February 27th, 2024

- Geotech – Special Inspection Daily Field

February 23rd, 2024

- Geotech approved density for slabs “A” and “B”

February 22nd, 2024

- Geotech - Special Inspection Daily Field / Approved all open areas (currently)

February 21st, 2024

- Geotech - Density test was done on slab “A” and “B”

Sincerely,



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April 10, 2024

VIA EMAIL (Becka.Puskas@deq.oregon.gov)
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April 5th, 2024

- Slabs "F1" and "F2" – Poured
- Slab "B" Ramp – Poured
- Slab "C" Footings – Poured
- PSI inspections on site for : Concrete Testing

April 4th, 2024

- Electrical utilities – Poured

April 2nd, 2024

- Epoxy anchor for Slab "B" -Ammonia containment
- PSI inspections on site for: Special Inspection Daily Field Report

March 28th, 2024

- Electrical works for installation of the new Control Room

March 27th, 2024

- Forming complete for Slabs: "F1" and "F2" – Exhaust blowers
- PSI inspections on site for: Density Field Test

March 25th, 2024

- Started placing utility piping for underground conduit

March 22nd, 2024

- PSI inspections on site for: Concrete Field Report & Special Inspection Daily Field Report
- Poured Slab "B" - Walls
- Started digging and forming C slab footings

March 19th, 2024

- Started digging utility trench
- PSI inspections on site for : Density Field Test

March 18th, 2024

- Started forming walls for Slab "B"

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May 14, 2024

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May 3rd, 2024

- Poured – CDF for added conduit

May 01st, 2024

- Continue work on conduit trench

April 29th, 2024

- Excavated CDF concrete to accommodate conduit installation
- Trench dug for conduit installation
- Pre-works: Shake out of steel for installation

April 24th, 2024

- Slab "J1" surround – Poured
- Slab "B" Ramp – Poured
- Slab "D" – Poured
- Slab "H3" – Poured
- PSI inspections on site for: Concrete Testing and Special Inspection Daily Field Report

April 22nd, 2024

- Completed forming and bar for: Slab "B" ramp, Slab "D", Slab "H3" and Slab "J1" surround

April 17th, 2024

- Removed forming from April 16th pour

April 16th, 2024

- Slab "G" - Poured

- Slab "H2" - Poured
- Slab "C" - Poured
- Slab "M" - Poured
- Slab "B" ramp walls – Poured
- PSI inspections on site for: Concrete Testing

April 15th, 2024

- Worked on the Slab "G" foundation for the stack
- Started forming the south end of the Slab "D" pad for the control room

April 12th, 2024

- PSI visit on-site: Field Density Test Report

April 11th, 2024

- Forming complete on all slabs pre-pour

April 10th, 2024

- Formed and bar – Slab "H2"

April 09th, 2024

- Forming bar work on Slab "B" – Ramp wall
- Formed – Slab "C"

April 08th, 2024

- Removed forms from Friday pour
- Slab "C" elevation has been installed and secured

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June 20, 2024

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The AQC device project remains on schedule for construction completion and operation by June 30, 2024

June 16th, 2024

- Continued installation on DSI Silo Equipment
- Installed Silo on Waste Silo Frame and additional equipment
- Set skid and fill station on Ammonia area
- Installed – Conduits and cable trays ran to Ammonia, Fans, lower UCF
- Started - Air Tank under UCF set and piping
- Installed - 02 UCF Air tanks and elbows
- Boxes set and Wire run to main exhaust fans
- 3 Sections of Stack insulated and set
- Complete - Conduit, Pull box to main switch from 15 KV almost
- Complete - All duct set on discharge of fans to stack
- In Progress at 95% - Installation of all girts for siding on UCF

June 10th, 2024

- Started running wire in Control Room
- Continue working on electrical portion for the fans
- Started installing the DSI Mechanical Equipment
- Installed vertical section of exhaust stack entering the fans
- Finished the base section of the stack and worked on the second section

June 10th, 2024

- Poured and finished electrical pad
- DSI Anchors set
- Dust silo anchors drilled and set
- Worked electrical portion for the fans being prepped for installation

- Gas piping from Duct Heater tied in
- Worked on discharge duct from UCF to Fans (lower section of stack)

June 7th, 2024

- Started laying out conduit at Electrical Slab

June 6th, 2024

- Continued installation - Steel and catwalks for UCF and stairs
- Set inlet duct to fans
- Worked on Duct Heater assembly for gas supply

June 4th, 2024

- Piping preparation for Ammonia area
- Duct support on roof on vertical duct at side of Furnace building
- Placed 45 degree duct section up for roof duct support - Location verification

June 3rd, 2024

- Working on Control Room equipment installation
- Set Ammonia Skid and shower in locations required

June 1st, 2024

- Installed - Ductwork from North wall of Plant to the inlet of UCF
- Installed - Duct heater
- Electrical reviewed was done for the installation procedure

May 27th, 2024

- Completed - Inlet duct at get level entering the UCF Header and Bypass installed and insulated

May 24th, 2024

- All stair stringers installed
- Assembling the waste silo frame in the east side

May 23rd, 2024

- Started setting the Stair Tower steel and stair stringer assemblies
- East and West steel set
- Wrapped the inlet manifold with metal

May 22nd, 2024

- Set Metal Roofing - Ammonia Canopy

May 21st, 2024

- Assembled damper and expansion joints for fan inlets and installed on fans
- Set the duct supports and the 2 sections of bridge.

May 17th, 2024

- Installed - Dampers on the inlet manifold to UCF and Knife gate in dust discharge area

May 16th, 2024

- Anchor holes on the duct support pads (J1, J2 and J3) were drilled
- Installed - Dampers on the outlet of the UCF and Knife gate isolation valves

May 15th, 2024

- Anchor holes on the duct support pads (J1, J2 and J3) were drilled
- Installed - I-Beams (support the middle of the Penthouse)

May 14th, 2024

- 3rd UCF Box, Ammonia Tank and the 02 Fans were set

May 13th, 2024

- Set catwalk under UCF Boxes
- Cascade Tower Crane had 2 cranes on site (one for loading material and the other one for setting equipment for UCF)

May 10th, 2024

- Started 2nd level of UCF steel and completed the west side
- Catwalks and miscellaneous hangers to install - UCF Boxes

May 09th, 2024

- Adjust leveling nuts for UCF Steel to required trench elevation
- Set the 4 lower sections of the UCF and 1 main beam

May 6th, 2024

- Continued sorting steel and assembling UCF framing
- Removed forms – Electrical trench

Sincerely,



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July 11, 2024

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The AQC device project remains on schedule for construction completion and operation by June 30, 2024

July 7th, 2024

- System it's been running the first week with good performance

July 1st, 2024

- Ammonia Injection started at 02:09am

June 30th, 2024

- All (3) filter boxes loaded with furnace exhaust.
- Filters precoated and treating SOX
- PM abated

June 28th, 2024

- Completed – Tie-in procedure (connection from furnace to the AQC system) was completed by 09:00am
- AQC Heat-up and hot commissioning started at 03:00pm

June 27th, 2024

- Completed - DSI Convey feed system
- Completed - DSI Delivery (01 load)
- Completed – Waste piping
- Completed – Fiber raceway and networking installation

June 22nd, 2024

- Completed – Filters installation in UCF's
- Completed – Energized Tri-Mer switch and transformer

June 22nd, 2024

- Completed – Filters installation in UCF's
- Completed – Energized Tri-Mer switch and transformer

June 21st, 2024

- In Progress – Filters installation in UCF's
- Completed – Electrical testing

June 20th, 2024

- In Progress – Medium voltage (MV) connections on the transformer and switchgear
- In Progress – Air piping and dust piping installation
- In Progress – Programming the new system

June 17th, 2024

- Completed - Conduit for power to the switch and transformer
- Completed - Power supply wires on the ID Fans
- Continued installation on DSI Silo Equipment

Sincerely,



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