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DATE
17 October 2025

SUBJECT
Quarter 3, 2025, Progress Report
(July through September 2025)
Arkema Inc. Portland Plant

REFERENCE
0773710.103

Dear Katie Daugherty:

Environmental Resources Management, Inc. (ERM) is submitting this Quarterly Progress Report (QPR) on behalf of Legacy Site Services LLC (LSS), agent for Arkema Inc. (Arkema), to summarize Quarter 3, 2025, activities at the Arkema facility located at 6400 NW Front Avenue in Portland, Oregon.

Paragraph 8(G) of the Order on Consent Requiring Source Control Measures and Feasibility Study between the Oregon Department of Environmental Quality (ODEQ) and LSS, dated 31 October 2008, requires submittal of QPRs. The following progress report summarizes activities for Quarter 3, 2025 (July through September).

Weekly progress summaries for implementation of the stormwater and groundwater source control measures (SCM) have been developed over the duration of the project. The reports for Quarter 3, 2025, are included as Attachment 1 to this QPR for reference, and activities documented in the reports are not duplicated in this letter.

Actions Taken Quarter 3, 2025 (July through September)

- 1 July 2025: ERM, on behalf of LSS, received comments from the ODEQ regarding the Contaminated Material Management Plan (CMMP) for In Situ Stabilization (ISS).
- 2 July 2025: ERM, on behalf of LSS, submitted the April 2025 Monthly Progress Report (MPR) to the ODEQ.
- 9 July 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding Interim Remedial Action Measure (IRAM) 1.
- 14 July 2025: ERM, on behalf of LSS, submitted the June 2025 monthly Discharge Monitoring Report (DMR) and the Quarter 2 quarterly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper Biotic Ligand Model (BLM) data.

- 14 July 2025: ERM, on behalf of LSS, submitted the May 2025 monthly DMR for National Pollutant Discharge Elimination System (NPDES) permit compliance monitoring of the groundwater extraction and treatment (GWET) system.
- 15 July 2025: ERM, on behalf of LSS, submitted the Quarter 2, 2025, QPR, to the ODEQ.
- 23 July 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 28 July 2025: ERM, on behalf of LSS, submitted the May 2025 MPR to the ODEQ.
- 29 July 2025: LSS submitted an Official Notice of Project Manager Change to the ODEQ.
- 29 July 2025: ERM, on behalf of LSS, received comments from the ODEQ on the ISS Pre-Final Design Report for IRAM 1.
- 5 August 2025: ERM on behalf of LSS, submitted the Daramend Reagent for Enhanced Remediation of Soils Containing Chlorinated Pesticides white paper, prepared by Evonik Industries, to the ODEQ.
- 6 August 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 7 August 2025: ERM, on behalf of LSS, submitted the Groundwater Barrier Wall Construction Completion Report, to the ODEQ.
- 8 August 2025: ERM, on behalf of LSS, submitted the Well Decommissioning Work Plan to the ODEQ.
- 14 August 2025: ERM, on behalf of LSS, submitted the June 2025 monthly DMR for NPDES permit compliance monitoring of the GWET system.
- 14 August 2025: ERM, on behalf of LSS, submitted the July 2025 monthly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper BLM data.
- 19 August 2025: ERM, on behalf of LSS, shut down the well field for utility de-energization related to the IRAM 1 Performance Monitoring Network Well Installation. ODEQ was notified of the shutdown and the well field was restarted on 25 August 2025.
- 20 August 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 22 August 2025: ERM, on behalf of LSS, submitted the IRAM 1 Performance Monitoring Well Network Installation Work Plan to the ODEQ.
- 25 August 2025: ERM, on behalf of LSS, submitted the June 2025 MPR to the ODEQ.
- 31 August 2025: ERM, on behalf of LSS, shut down the well field due to a failed pH probe in the GWET system. The well field was restarted on 1 September 2025.

- 2 September 2025: ERM, on behalf of LSS, began the Quarter 3, 2025, groundwater monitoring event. The event was completed on 5 September 2025.
- 3 September 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 3 September 2025: ERM, on behalf of LSS, submitted the IRAM 1 Draft Treatability Test Results to the ODEQ.
- 3 September 2025: ERM, on behalf of LSS, submitted the Quarter 2, 2025, Groundwater Monitoring Report to the ODEQ.
- 10 September 2025: ERM, on behalf of LSS, received comments from the ODEQ regarding the IRAM 1 Performance Monitoring Well Network Installation Work Plan.
- 10 September 2025: ERM, on behalf of LSS, shut down the well field for well abandonment near critical zones. The ODEQ was notified of the shutdown and the well field was restarted on 16 September 2025.
- 12 September 2025: ERM, on behalf of LSS, submitted the July 2025 monthly DMR for NPDES permit compliance monitoring of the GWET system.
- 12 September 2025: ERM, on behalf of LSS, submitted the August 2025 monthly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper BLM data.
- 17 September 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 23 September 2025: ERM, on behalf of LSS, submitted the July 2025 MPR to the ODEQ.

Actions Scheduled for Quarter 4, 2025 (October through December)

- The QPR for Quarter 3, 2025, will be prepared and submitted.
- LSS will continue to monitor discharges from the stormwater SCM and submit monthly monitoring reports as well as Copper BLM data to the ODEQ.
- LSS will continue to monitor discharges from the groundwater SCM and submit monthly DMRs to the ODEQ.
- LSS will continue optimization of the GWET system as part of the implementation of the groundwater SCM and in accordance with the GWET System Corrective Action Plan and associated updates, until the GWET system is shutdown on 31 October 2025 in preparation for the IRAM 1 ISS implementation.
- LSS will conduct routine maintenance on the stormwater SCM.
- LSS will submit monthly status reports consistent with the Performance Monitoring Plan and per the ODEQ letter DEQ Review "Draft GWET System Effectiveness Evaluation Report" (SEE) received on 31 May 2019.
- LSS will conduct groundwater monitoring for Quarter 4, 2025.

- LSS will conduct baseline groundwater monitoring for the IRAM 1 Performance Monitoring Well Network Installation Work Plan.
- LSS will submit the Quarter 3, 2025, Groundwater Monitoring Report.
- LSS will submit the Revised IRAM 1 Performance Monitoring Well Network Installation Work Plan.
- LSS will submit the IRAM 1 Mix Design Memo.
- LSS will submit a request for additional well decommissioning related to IRAM 1.
- LSS will submit the Revised CMMP.
- LSS will submit the IRAM 1 Shallow Soil Investigation Work Plan.
- LSS will submit the IRAM 1 Final Design Report.
- LSS will submit the Phase 1 Data Gaps Investigation Work Plan.
- LSS will begin mobilization efforts for the IRAM 1 ISS.

Summary of Validated Data

- Weekly compliance and quarterly characterization sampling of the GWET system data were received and validated. These data were presented in the respective monthly DMRs.
- Quarter 2, 2025, groundwater monitoring data were reviewed and validated during Quarter 3, 2025. These data are included in Attachment 2 and are presented in the Quarterly Groundwater Monitoring Report for Quarter 2, 2025.
- Quarter 3, 2025, groundwater monitoring event data were collected. These data will be reviewed, validated, and presented in the Quarterly Groundwater Monitoring Report for Quarter 3, 2025.

Problems Experienced During Quarter

Specific problems experienced during the GWET system optimization and operation are documented in the attached weekly progress reports. No other problems were experienced during Quarter 3, 2025.

Closing

If you have questions or comments pertaining to this progress report, please contact us at (503) 488-5282.

Sincerely,



Chase McLaughlin
Partner



Avery Soplata
Project Manager

Attachments

cc: Thierry Razat, LSS
Laura Hanna, USEPA
Matt Stock, Joyce Ziker Parkinson
Lance Peterson, CDM
Karen Traeger, LSS
David Livermore, Integral
Rob Webb, Dalton, Olmsted, and Fuglevand



ATTACHMENT 1 QUARTER 3, 2025, WEEKLY
PROGRESS REPORTS



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 27 June 2025 to 3 July 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously except for a 3-hour shutdown to clean the plate separator. The uptime for the reporting period was 98 percent. The average system influent flow rate for the week was 26.2 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-02, EW-03, EW-04, EW-05, EW-06, EW-08, EW-09, EW-10, EW-11, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 236,480 gallons or 39 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 27 June 2025: Operator performed general O&M. Backwashed carbon vessel CT-1. Replaced check valve at pump P-5. Shutdown wellfield for 3 hours to clean the plate separator (PS-1) and recalibrated the pH probe.
- Saturday, 28 June 2025: Operator performed general O&M.
- Sunday, 29 June 2025: Operator performed general O&M and cycled the filter press.
- Monday, 30 June 2025: Operators performed general O&M and cycled the filter press. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Operator investigated extraction well EW-02 signal issue with instruction from S. Lucas. Started extraction well EW-09, EW-10 faulted. Replaced malfunctioning filter press pump with shelf spare, the diaphragms failed.
- Tuesday, 1 July 2025: Operators performed general O&M and cycled the filter press. Collected weekly compliance samples and sent to Eurofins. Recalibrated YSI for D.O, pH, conductivity, and ORP. Continue troubleshooting extraction well EW-02 with S. Lucas.
- Wednesday, 2 July 2025: Operators performed general O&M and cycled the filter press. Filter press faulted twice during the day. Continue troubleshooting extraction well EW-02 with S. Lucas. EW-04 flow meter faulted during troubleshooting but came back online after 3 hours, suspect faulty switch in the MCC room. Increased underflow pump P-PS-1 timer to 340 sec from 320 sec. Replaced the damaged water hose to the ice maker. Operators received tank T-4 high level and low level alarms at 20:00, suspect level sensor issue. On-call operator remotely cleared alarms and restarted pump P-PS-3 for tank T-4.

- Thursday, 3 July 2025: Operators performed general O&M and cycled the filter press. Repaired the filter press pump air manifold. Turned on the sump pump on the bio side due to tank T-4 overflowing. Cleaned off debris from the tank T-4 level sensor. Replaced the wet desiccant from the filter press air filter. Changed out pump at extraction well EW-03. Connected wiring for EW-12 but unable to start pump, no flow.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 25 gpm, with recovery / extraction wells EW-01, EW-02, EW-03, EW-04, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-02: Started 7/2, flowmeter not communicating with PLC. Troubleshooting with Endress-Hauser and S. Lucas.
- EW-03: Fouling, operators to change out pump.
- EW-06: Off since 6/26, operators to change out fouled pump.
- EW-07: Off since 4/29.
- EW-09: Started 6/30.
- EW-10: Off since 6/30, fouled pump to be changed out.
- EW-11: Fouling, operators to change out pump.
- EW-12: Off since 1/29.

Transducer Status

- None.

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 1 July 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 4 July 2025 to 10 July 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 26.3 gpm. Recovery / Extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-02, EW-03, EW-04, EW-05, EW-06, EW-08, EW-09, EW-10, EW-11, EW-12, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 239,640 gallons or 40 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 4 July 2025: Operator performed general O&M, cycled the filter press, and cleaned downhole pumps.
- Saturday, 5 July 2025: Operator performed general O&M and cleaned downhole pumps. Backwashed carbon vessel CT-1.
- Sunday, 6 July 2025: Operator performed general O&M.
- Monday, 7 July 2025: Operators performed general O&M and cycled the filter press. Collected LGAC check samples and sent to Eurofins. Dewatered recovery well vault RW-22.
- Tuesday, 8 July 2025: Operators performed general O&M and cycled the filter press. Operator performed more troubleshooting steps requested by S. Lucas. LOTO air dryer in air compressor room and sent to Portland Compressor for repair.
- Wednesday, 9 July 2025: Operators performed general O&M and cycled the filter press. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Operator performed more troubleshooting steps requested by S. Lucas. Cleaned downhole pumps. Calibrated the ORP sensor at the FBR.

Thursday, 10 July 2025: Operators performed general O&M and general housekeeping. Collected weekly compliance samples and sent to Eurofins. Replaced damaged diaphragms on 1-inch SandPiper pump.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 25 gpm, with Recovery / Extraction wells EW-01, EW-02, EW-03, EW-05, EW-8, EW-09, EW-12, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.

- EW-02: Started 7/2, Flowmeter not communicating with PLC. Troubleshooting with Endress-Hauser and S. Lucas. Suspect ethernet signal issue in MCC-1.
- EW-04: Off since 7/3, Operators to change out fouled pump.
- EW-06: Off since 6/26, Operators to change out fouled pump.
- EW-07: Off since 4/29.
- EW-09: Started 6/30.
- EW-10: Off since 6/30, fouled pump to be changed out. Transducer malfunction.
- EW-11: Fouling, Operators to change out pump.
- EW-12: Started 7/6 with clean motor/pump.

Transducer Status

- EW-10: Transducer malfunction.

Sampling

- LGAC check samples were collected 7 July 2025 and sent to Eurofins.
- Weekly compliance samples collected on 10 July 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 11 July 2025 to 17 July 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 23.5 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-02, EW-03, EW-05, EW-08, EW-09, EW-10, EW-11, EW-12, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 240,320 gallons or 40 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 11 July 2025: Operator performed general O&M and cycled the filter press. Staff performed July water level event. C&E dropped off rental air compressor. Modified air at pump P-PS-9 to install air muffler and increase air capacity at the compressor from 27 percent to 43 percent.
- Saturday, 12 July 2025: Operators performed general O&M. Increased underflow pump run timer to 360 sec from 350 sec. Reduced acetic acid pump rate to 6 percent from 7 percent.
- Sunday, 13 July 2025: Operators performed general O&M. Conducted jar tests to verify polymer EA-640 dosage.
- Monday, 14 July 2025: Operators performed general O&M and cycled the filter press. SavATree onsite for vegetation management. Tidewater Environmental Services picked up two iron sludge boxes (1 and 6) for transportation to the Roosevelt Landfill Disposal facility. Changed out fouled pumps at extraction wells EW-01 and EW-11. Replaced the influent end plate fabric on the filter press.
- Tuesday, 15 July 2025: Operators performed general O&M and general housekeeping. SavATree onsite and continued vegetation management.
- Wednesday, 16 July 2025: Operators performed general O&M and cycled the filter press. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. SavATree onsite and continued vegetation management. H&S ERMer N. Weeg onsite for a site walk. Repaired polymer EA-640 tubing on the batching pump. Received new signed iron and bio sludge manifests from T. Razat, old manifests have been shredded.
- Thursday, 17 July 2025: Operators performed general O&M. Collected weekly compliance samples and sent to Eurofins. Univar onsite to batch the caustic mini-

bulk. Turned off extraction well EW-09 to test well performance after a 48-hour shutdown. Mobilized to EW-10 and lowered transducer 1-foot, then recalibrated.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 20 gpm, with recovery / extraction wells EW-01, EW-03, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-01: Changed out fouled pump 7/14.
- EW-02: Started 7/2, flowmeter not communicating with PLC. Troubleshooting with Endress-Hauser and S. Lucas. Suspect ethernet signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 4/29.
- EW-09: Off since 7/17, testing well performance after 48-hour shutdown.
- EW-10: Off since 6/30, transducer lowered 1 foot and recalibrated 7/17.
- EW-11: Changed out fouled pump 7/14.
- EW-12: Off since 7/11.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 17 July 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 18 July 2025 to 24 July 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 23.5 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, EW-11, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 240,140 gallons or 40 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 18 July 2025: Operator performed general O&M and cycled the filter press.
- Saturday, 19 July 2025: Operators performed general O&M. Backwashed carbon vessel CT-1. Restarted extraction well EW-09 for well performance test.
- Sunday, 20 July 2025: Operators performed general O&M and cycled the filter press. Increased underflow pump run timer to 370 sec from 360 sec. Prepared bio-sludge/debris boxes (3 and 5) for load out.
- Monday, 21 July 2025: Operators performed general O&M, general housekeeping, and cycled the filter press. Tidewater Environmental Services picked up 2 bio-sludge/debris boxes (3 and 5) for transportation to the Roosevelt Landfill Disposal facility. Cleaned downhole centrifugal pumps.
- Tuesday, 22 July 2025: Operators performed general O&M and cycled the filter press. Lined bio box with geo-fabric and wasted tank T-9 and T-10. C&E Rental technician onsite to service malfunctioning Genie Lift (MEWP) as there was a loose and slightly corroded wire.
- Wednesday, 23 July 2025: Operators performed general O&M and cycled the filter press. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. DOF staff onsite to oversee Conex box drop off. New Grundfos pump for the FBR recirculation pump P-8 was delivered. Operators started preparing the pump for installation, cutting out mounting slots using the reciprocating saw.
- Thursday, 24 July 2025: Operators performed general O&M and cycled the filter press. Collected weekly compliance samples and sent to Eurofins. Procured parts and repaired leaking sample port valve.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 20 gpm, with recovery / extraction wells EW-01, EW-03, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-02: Flowmeter not communicating with PLC. Troubleshooting with Endress-Hauser and S. Lucas. Suspect ethernet signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 4/29.
- EW-09: Started 7/19.
- EW-10: Off since 6/30.
- EW-12: Off since 7/11.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 24 July 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 25 July 2025 to 31 July 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 22.2 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-02, EW-03, EW-05, EW-08, EW-09, EW-11, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 240,340 gallons or 40 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 25 July 2025: Operator performed general O&M and cycled the filter press. Backwashed carbon vessel CT-1. Utilized the reciprocating saw to open the motor mount slots on the new pump P-8 motor to allow movement during installation.
- Saturday, 26 July 2025: Operators performed general O&M. Lowered the polymer chemical feed pump CFP-7 stroke rate from 248 spm to 243 spm. Increased underflow pump timer from 370 sec to 380 sec.
- Sunday, 27 July 2025: Operators performed general O&M and cycled the filter press.
- Monday, 28 July 2025: Operators performed general O&M. Installed dehumidifier in the air compressor room. Lowered chemical feed pump CFP-13 stroke rate from 2.8 percent to 2.5 percent on OIT computer.
- Tuesday, 29 July 2025: Operators performed general O&M and cycled the filter press. Changed out 0.5-HP pump at extraction well EW-01. Connected 400 feet of lay-flat hose from the hydrant (80 psi) to monitoring well MWA-83 and injected water for 3 hours to redevelop Trench 1. Achieved only 37 psi at MW-83 during test due to pressure loss from length of hose. GWET-INF water was 200 NTUs at beginning of test. At the end of test, EW-01 was 12 NTUs and GWET-INF was 32 NTUs.
- Wednesday, 30 July 2025: Operators performed general O&M. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Set new FBR recirculation pump (P-8) in its place.
- Thursday, 31 July 2025: Operators performed general O&M and cycled the filter press. Collected weekly compliance samples and sent to Eurofins. Changed out fouled pumps at extraction well EW-03 and EW-14. Cleaned centrifugal downhole pumps.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 22 gpm, with recovery / extraction wells EW-01, EW-03, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-01: Changed out fouled pump and redeveloped trench 7/29.
- EW-02: Flowmeter not communicating with PLC. Troubleshooting with Endress-Hauser and S. Lucas. Suspect ethernet signal issue in MCC-1. Redeveloped trench 7/29.
- EW-03: Changed out fouled pump.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 4/29.
- EW-09: Started 7/19.
- EW-10: Off since 6/30.
- EW-12: Off since 7/11.
- EW-14: Changed out fouled pump.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 31 July 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 1 August 2025 to 7 August 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 99 percent due to shutting down the wellfield to clean the Plate Separator (PS-1). The average system influent flow rate for the week was 20.4 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, EW-11, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 235,230 gallons or 39 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 1 August 2025: Operator performed general O&M and cycled the filter press. Backwashed carbon vessel CT-1. Shut down the wellfield for 1 hour to drain and clean PS-1. Calibrated the FBR ORP and pH probes, T-3 turbidimeter, and Precipitate Reactor (PR-1) pH probe. Calibrated the YSI for D.O., pH, conductivity, and ORP.
- Saturday, 2 August 2025: Operators performed general O&M.
- Sunday, 3 August 2025: Operators performed general O&M and cycled the filter press.
- Monday, 4 August 2025: Operators performed general O&M. Comcast onsite to activate the fiber internet. Collected LGAC check samples and sent to Eurofins. Set up hoses to redevelop Trench 1. Tidewater representative onsite to look at the two PDI roll-off boxes capacities, recommended to consolidate the boxes.
- Tuesday, 5 August 2025: Operators performed general O&M and cycled the filter press. Changed out 0.5-HP pump with 1-HP pump at extraction well EW-01 and changed settings on Connected Components Workbench (CCW) software. Connected 400 feet of lay-flat hose from the hydrant (80 psi) to monitoring well MWA-83 and injected water to redevelop Trench 1. Utilized AODD pump and only achieved 40 psi at MW-83 during test due to pressure loss. Ended test when EW-01 vault began filling with water, plan to use bentonite to seal around well casing. Wellfield shutdown for 1 hour due to high tank T-1 level in GWET plant. Telluric R. Bascue onsite for site walk of PDI roll-off boxes.
- Wednesday, 6 August 2025: Operators performed general O&M. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. GPRS

onsite for pre-clearance of well abandonment. Operator picked up the dryer from Portland Compressor. Culligan onsite to resupply the water cooler for the site.

- Thursday, 7 August 2025: Operators performed general O&M and cycled the filter press. Collected weekly compliance samples and sent to Eurofins. Verified zero-energy in Recovery Well vaults RW-08, RW-09, RW-10, and RW-24.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 20 gpm, with recovery / extraction wells EW-01, EW-03, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-01: Flowmeter signal issue in MCC-1. Swapped out 0.5-HP pump with 1-HP pump and redeveloped trench 8/5.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-03: Changed out fouled pump.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 4/29.
- EW-10: Off since 6/30.
- EW-12: Off since 7/11.

Transducer Status

- None

Sampling

- LGAC check samples collected 4 August 2025 and sent to Eurofins.
- Weekly compliance samples collected on 7 August 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 8 August 2025 to 14 August 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 18.4 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, EW-11, EW-13, and EW-14 were in operation during the reporting period. The total influent volume for the week was 237,430 gallons or 39 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 8 August 2025: Operator performed general O&M and cycled the filter press. Staff performed August water levels. GPRS onsite to locate utilities at the Admin building parking area. De-energized and pulled transducers from gradient cluster GCC-1, GCC-2, and recovery wells to be abandoned; including MWA-02, MWA-08i, PA-19d, PA-05, PA-11i, PA-30d, PA-21d, MWA-69, MWA-66i, PA-06, PA-12i, PA-20d, RW-24i, RW-08, RW-09i, RW-10, and RW-11i.
- Saturday, 9 August 2025: Operators performed general O&M and cleaned downhole centrifugal pumps.
- Sunday, 10 August 2025: Operators performed general O&M, cleaned downhole centrifugal pumps, and cycled the filter press.
- Monday, 11 August 2025: Operators performed general O&M. Cascade onsite for well abandonment pre-clearance of recovery wells, monitoring well, and piezometers. Telluric consolidated the two PDI waste roll-off boxes. Pulled pump from recovery well RW-08 and removed plumbing/equipment inside vaults RW-08, RW-09i, RW-10, and RW-24i. Telluric onsite and consolidate sediment from the 1/8th roll-off to the full roll-off box for hazardous waste disposal. Operators installed the air dryer in the compressor room.
- Tuesday, 12 August 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well abandonment pre-clearance of recovery wells, monitoring well, and piezometers. Collected quarterly process check samples and sent to Eurofins. Changed out desiccant for the filter press. Assessed removal of 24V cables for gradient clusters GCC-1 and GCC-2.
- Wednesday, 13 August 2025: Operators performed general O&M. Operator started the auto-sampler for collection of the quarterly NPDES compliance samples. Cascade onsite for well abandonment pre-clearance of recovery wells, monitoring

well, and piezometers. Adjusted underflow timer P-PS-1 from 150/380 sec to 150/400 sec.

- Thursday, 14 August 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well abandonment pre-clearance of recovery wells, monitoring well, and piezometers. Collected quarterly compliance samples and sent to Eurofins. Tidewater Environmental Services picked up the hazardous waste roll-off (Box 326-20) for transportation to Arlington Chemical Waste Management then to Clean Harbors, Aragonite, Utah to be incinerated. Worked on changing out diaphragms on backup filter press pump.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 18 gpm, with recovery / extraction wells EW-01, EW-03, EW-05, EW-8, EW-09, EW-11, EW-13, EW-14, RW-14, RW-22, RW-23, and RW-25 in operation.
- EW-01: Flowmeter signal issue in MCC-1.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 4/29.
- EW-10: Off since 6/30.
- EW-12: Off since 7/11.

Transducer Status

- Transducer pulled from MWA-02, MWA-08i, PA-19d, PA-05, PA-11i, PA-30d, PA-21d, MWA-69, MWA-66i, PA-06, PA-12i, PA-20d, RW-24i, RW-08i, RW-09i, and RW-10i.

Sampling

- LGAC check samples not collected this week.
- Quarterly process checks collected on 12 August 2025 and sent to Eurofins.
- Quarterly compliance samples collected on 14 August 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 15 August 2025 to 21 August 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously until a planned shutdown on Tuesday, 19 August due to de-energizing the wellfield for pre-clearance work near critical zones. The uptime for the reporting period was 70 percent. The average system influent flow rate for the week was 13.7 gpm. Recovery / extraction wells RW-14, RW-22, RW-23, RW-25, EW-01, EW-03, EW-05, EW-07, EW-08, EW-09, and EW-11 through EW-14 were in operation during the reporting period. The total influent volume for the week was 154,730 gallons or 26 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 15 August 2025: Operator performed general O&M and cycled the filter press. Subcontractor Telluric onsite and excavated the right side of Recovery Wells RW-24i, RW-08, RW-09i, and RW-10 2-ft above the 1-inch water pipe. Subcontractor Cascade onsite and used their Vac truck to expose the 1-inch water pipe outside of the well vault. Turned off wellfield at 0730 and placed the FBR in a recirculation loop between T-3 and T-5. Operators cut and capped all the lateral lines going to the conveyance line.
- Saturday, 16 August 2025: Operators performed general O&M. Restarted the wellfield and confirmed no leaks detected on the 1-inch caps at RW-24i, RW-08, RW-09i, and RW-10. Backwashed carbon vessel CT-1.
- Sunday, 17 August 2025: Operators performed general O&M and cycled the filter press.
- Monday, 18 August 2025: Operators performed general O&M. Cascade onsite for PMW (Performance Monitoring Well) pre-clearance. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Stopped work on Cascade mid-day due to concerns with asbestos.
- Tuesday, 19 August 2025: Operators performed general O&M and cycled the filter press. Staff utilized rental air compressor and started to re-pipe the air dryer between the air receiver tanks in the compressor room. Cascade onsite for PMW pre-clearance and well abandonment. Collected weekly compliance samples and sent to Eurofins. De-energized the wellfield for PMW pre-clearance work in the critical zone at 1400. Placed the FBR in a recirculation loop with tanks T-3 to T-5.

- Wednesday, 20 August 2025: Operators performed general O&M. Cascade onsite for well abandonment. Placed FBR in survival mode with tank T-3. Continued to re-pipe the air compressor.
- Thursday, 21 August 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for PMW pre-clearance and well abandonment. Tidewater Environmental Services picked up two iron sludge boxes (2 and 4) for transportation to the Roosevelt Landfill Disposal facility. Completed re-piping the air dryer and restarted the air compressor. Placed FBR back in recirculation loop between tanks T-3 and T-5. Univar onsite to batch caustic mini-bulk.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 0 gpm, with recovery / extraction wells off for pre-clearance work in the wellfield.
- EW-01: Flowmeter signal issue in MCC-1.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 8/18.
- EW-10: Off since 6/30.
- EW-12: Off since 8/18.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 19 August 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 22 August 2025 to 28 August 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge remained off due to well abandonment efforts until Monday, 25 August when the wellfield was re-energized and GWET restarted. The uptime for the reporting period was 37 percent. The average system influent flow rate for the week was 8.1 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-08, EW-09, and EW-11 through EW-14 were in operation during the reporting period. The total influent volume for the week was 88,610 gallons or 15 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 22 August 2025: Operator performed general O&M and cycled the filter press. Installed check valve after Plate Separator underflow pump P-PS-1.
- Saturday, 23 August 2025: Operators performed general O&M. Backwashed carbon vessel CT-1.
- Sunday, 24 August 2025: Operators performed general O&M.
- Monday, 25 August 2025: Operators performed general O&M. Cascade onsite for PMW (Performance Monitoring Well) pre-clearance and well abandonment. Re-energized the wellfield at 1030 and restarted the GWET plant. Tidewater delivered two rental roll-off boxes for well field sediment and debris. Recalibrated pH probe at the Precipitate Reactor (PR-1). Cochran Electric onsite for site-walk of electrical substation panel at dock 2.
- Tuesday, 26 August 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well abandonment. Changed PID filters and calibrated probe. Bytagig dropped off network equipment for ERM to install. Cochran Electric onsite for additional site-walk regarding electrical upgrades.
- Wednesday, 27 August 2025: Operators performed general O&M. Cascade onsite for well abandonment. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Begin installation of new network equipment at the Admin building.
- Thursday, 28 August 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well abandonment. Collected weekly compliance samples and sent to Eurofins. Continued installation of new network equipment at the Admin building.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 10 gpm, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, and EW-11, EW-13, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 8/25.
- EW-10: Off since 6/30.
- EW-12: Off since 8/25.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 28 August 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 29 August 2025 to 4 September 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously until the wellfield was shut down for 25 hours on Sunday, 31 August due to a failed pH probe at the Precipitate Reactor (PR-1) and restarted on Monday, 1 September after replacing the pH probe. The uptime for the reporting period was 85 percent. The average system influent flow rate for the week was 15.2 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-08, EW-09, and EW-11 through EW-14 were in operation during the reporting period. The total influent volume for the week was 193,420 gallons or 32 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 29 August 2025: Operator performed general O&M, cycled the filter press, and general housekeeping. Cascade crew onsite for well abandonment. Backwashed carbon vessel CT-1. Connected Wi-Fi hotspot in anticipation of loss of internet service.
- Saturday, 30 August 2025: Operator performed general O&M.
- Sunday, 31 August 2025: Operator performed general O&M and observed the Plate Separator (PS-1) looked muddy, PR-1 was cloudy, and high turbidity off the Pressure Filters. The operator shut down the wellfield at 0600, then drained and cleaned PS-1. It was determined that the pH probe in PR-1 had malfunctioned, the pH was reading 7.44 when the YSI meter read 8.13. Placed the FBR in recirculation mode between tanks T-5 and T-3.
- Monday, 1 September 2025: Operators performed general O&M and cycled the filter press. Installed new pH probe at PR-1 and recalibrated. Restarted the wellfield at 0730. Conducted September water level event. Restarted the phosphoric acid pump (CFP-6). City of Portland fire department responded to a van fire in lot 1. Firefighters used AFFF (Aqueous Film Forming Foam) to extinguish fire. ERM will discuss next steps to perform clean up in lot 1.
- Tuesday, 2 September 2025: Operators performed general O&M. The groundwater sampling event started. Cascade onsite for well abandonment and installation. Tidewater delivered two rental roll-off boxes for well field sediment and debris. Collected monthly LGAC check samples and sent to Eurofins. Met with Henkels and McCoy to assess transformer needed for ISS work, 750 kVA power line supply

needed. Continued installation of new network equipment at the Admin building, GWET plant, and job trailer.

- Wednesday, 3 September 2025: Operators performed general O&M. Continued with groundwater sampling event. Cascade onsite for well abandonment and installation. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Cochran Electric technician onsite to de-energize the overhead power lines at dock 2 substation panel. LOTO the 60-amp disconnect at the job trailer, verified zero-energy, and notified the field team that the overhead power line has zero power. Continued installation of new network equipment at the Admin building, GWET plant, and job trailer.
- Thursday, 4 September 2025: Operators performed general O&M and cycled the filter press. Continued with groundwater sampling event. Cascade onsite for well abandonment and installation. Collected weekly compliance samples and sent to Eurofins. Completed installation of new network equipment at the Admin building and GWET plant and troubleshooting signal issue with the job trailer. Internet speeds up to 200 Mbps for the site.

Recovery / Extraction Well Status

- The current influent flow rate is approximately 15 gpm, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 8/25.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-12: Off since 8/25.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19 due to drilling efforts in the critical zone.

Transducer Status

- None

Sampling

- LGAC check samples were collected on 2 September 2025 and sent to Eurofins.
- Weekly compliance samples collected on 4 September 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 5 September 2025 to 11 September 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously until the wellfield was de-energized for well abandonment on Wednesday, 10 September. The uptime for the reporting period was 76 percent. The average system influent flow rate for the week was 15.7 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-08, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 202,590 gallons or 33 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 5 September 2025: Operator performed general O&M, cycled the filter press, and general housekeeping. Cascade crew onsite for well abandonment. Increased polymer chemical feed pump CFP-7 from 246 spm to 288 spm due to light sludge in tank T-7. Changed out fouled pump at extraction well EW-05. Completed network installation in the job trailer. Placed secondary containment under the generator for fueling and leveled the fuel cell.
- Saturday, 6 September 2025: Operator performed general O&M. Backwashed carbon vessel CT-1.
- Sunday, 7 September 2025: Operator performed general O&M and cycled the filter press.
- Monday, 8 September 2025: Operators performed general O&M. Cascade crew onsite for well abandonment and installation. Repaired dewatering pump P-PS-5. Calibrated the ORP sensor at the FBR, FBR-INF turbidimeter, and the YSI meter. Subcontractor, Telluric, onsite to assess debris on Lot 1 and observed torched van had been removed. Transients were observed along the riverbank and crew kept distance.
- Tuesday, 9 September 2025: Operators performed general O&M. Cascade crew onsite for well abandonment and installation. Tidewater delivered two rental roll-off boxes for well field sediment and debris. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. SVE Conex box unable to be relocated, operator from Container Lifters NW brought undersized truck. Removed electrical panels off SVE Conex box.
- Wednesday, 10 September 2025: Operators performed general O&M. Cascade onsite for well abandonment and installation. Collected weekly compliance samples

and sent to Eurofins. Replaced poor lighting in the job trailer with new LED fixtures. De-energized the wellfield at 0800 for well abandonment work near critical zones.

- Thursday, 11 September 2025: Operators performed general O&M and general housekeeping. Cascade onsite for well abandonment and installation. Johnson Controls technician onsite to install the security system in the Admin building. Operators worked on plumbing the FBR recirculation pump P-8. Lead operator observed amber lights on the riverbank in Lot 1 and was informed that the City of Portland cleaned up the torched van that was documented on September 1. Operator will meet with Portland Police on Friday, September 12 to remove the transients. ERM will get Telluric to assess and perform the encampment removal.

Recovery / Extraction Well Status

- The current influent flow rate is 0 gpm, with recovery / extraction wells off for well abandonment and well install work in the wellfield.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-05: Changed out fouled pump 9/5.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-07: Off since 8/25.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 10 September 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report
Week from: 12 September 2025 to 18 September 2025
Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded after the wellfield was re-energized due to well abandonment and installation. The uptime for the reporting period was 14 percent. The average system influent flow rate for the week was 3.5 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 35,560 gallons or 6 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 12 August 2025: Operator performed general O&M and general housekeeping. Cascade crew onsite for well abandonment and installation. Johnson Controls (JCI) technician onsite to complete installation of the security system in the Admin building.
- Saturday, 13 September 2025: Operator performed general O&M. Increased acetic acid pump (CFP-8) from 5 percent to 7 percent stroke rate due to high pH at FBR.
- Sunday, 14 September 2025: Operator performed general O&M. Decreased acetic acid pump (CFP-8) from 7 percent to 5 percent stroke rate.
- Monday, 15 September 2025: Operators performed general O&M. Cascade crew onsite for well abandonment and installation. Operator adjusted tank levels to keep bio side in a recirculation loop between tanks T-3 and T-5. JCI onsite to reprogram the security system and troubleshoot the cellular signal. Restored internet to the OIT room.
- Tuesday, 16 September 2025: Operators performed general O&M. Cascade crew onsite for well abandonment and installation. Monthly ladder, fire extinguisher, and eye-wash inspections. Operators refueled the generator for the job trailer. Changed out failed UPS batteries in the MCP and LCP-5 control panels. Lost communication to the PLC after changing the battery. Contacted S. Lucas to troubleshoot and advised to reset the breaker CB55 to restore communications. JCI onsite and restored the security cameras. Re-energized the wellfield at 1330 and restarted the wellfield. Switched from operating transfer pump P-9 to parallel pump P-10.
- Wednesday, 17 September 2025: Operator responded to early morning alarm and observed muddy water with no floc in the Plate Separator (PS-1). Wellfield was shut down at 0300 and bio side recirculated between tanks T-3 and T-5. Turbidity

and iron concentrations were measured as follows: PF-EFF at 36.7 NTU and 2.59 mg/L Fe, GWET-EFF at 0.85 NTU and 0.00 mg/L Fe, LGAC-INF at 1.45 NTU and 0.02 mg/L Fe, and FBR-EFF at 11.70 NTU and 0.89 mg/L Fe. Operators recirculated PS-1 water through the pressure filters and back. Observed that the underflow pump P-PS-1 malfunctioned. The pump was replaced with working spare pump. Wasted solids from PS-1 and tank T-7 into a dewatering box. Restarted the wellfield at 1200 and observed lower turbidity and iron concentration measured as follows: PS-1 at 0.98 NTU with 0.03 mg/l Fe and PF-EFF at 0.68 NTU with 0.00 mg/L Fe. Cascade onsite for well installation.

- Thursday, 18 September 2025: Operators performed general O&M, cycled the filter press, and general housekeeping. J. Goetz onsite to perform a safety ALAP for the site. Cascade onsite for well installation. Delivery for filter press maintenance parts. Secure underflow pump P-PS-1 due to vibration.

Recovery / Extraction Well Status

- The current influent flow rate is 20 gpm, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, and EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples to be collected on 21 September 2025.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



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Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 26 September 2025 to 2 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 15.6 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 222,450 gallons or 35 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 26 September 2025: Operator performed general O&M and housekeeping. Operators refueled the generator for the job trailer. Backwashed carbon vessel CT-1.
- Saturday, 27 September 2025: Operator performed general O&M and housekeeping. Removed oil/water separator absorbent from 5-gallon bucket and stored inside 55-gallon drum. Documented anomalies from ALAP findings into Total Energies MySafety4All.
- Sunday, 28 September 2025: Operator performed general O&M and cycled the filter press.
- Monday, 29 September 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well installation. Additional roll-off box dropped off for wellfield crew. Removed LOTO from FBR recirculation pump P-8 and started (612 gpm). LOTO breaker LP2-20 and replaced fluorescent tube lighting fixtures with LED fixtures in the electrical and OIT rooms. Assessed plumbing to install a water heater in the Admin building. Assessed wheelchair access to the restrooms in the Admin building.
- Tuesday, 30 September 2025: Operators performed general O&M, cycled the filter press, and housekeeping. Cascade crew onsite for well installation. Calibrated YSI meter for pH, conductivity, D.O., and ORP. pH 10 would not calibrate, operator ordered new probe. Senior operator met with Cochran Electric to assess electric for the job trailer and water heater in the Admin building. Old auto-sampler transported to waste transfer station.
- Wednesday, 1 October 2025: Operators performed general O&M and housekeeping. Cascade onsite for well installation. Operator started the auto-sampler for

collection of the weekly NPDES compliance samples. Installed new D.O. sensor on the YSI meter and recalibrated.

- Thursday, 2 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected weekly compliance samples and sent to Eurofins. Staff from American Rail onsite for site walk. Installed new pH sensor on the YSI meter and recalibrated.

Recovery / Extraction Well Status

- The current influent flow rate is 15 gpm, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, and EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19.

Transducer Status

- None

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 2 October 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



ATTACHMENT 2 QUARTER 2, 2025, GROUNDWATER
MONITORING DATA

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	NE	NE	0.076	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.75	< 0.50	< 0.35	1.3 j
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 0.70	0.84 j
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.10 UJ	< 0.15 UJ	< 0.10 UJ	< 0.070 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.75 UJ	< 0.50 UJ	< 0.35 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 0.70	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.75	< 0.50	< 0.35	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 0.70	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 0.70	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.75 UJ	< 0.50 UJ	< 0.35 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.75	< 0.50	< 0.35	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.15 UJ	< 0.10 UJ	< 0.070 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 3.0 UJ	< 3.0 UJ	< 10 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 8.0 UJ	< 6.0 UJ	< 6.0 UJ	< 20 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 3.0 UJ	< 3.0 UJ	< 10 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.15	< 0.10	< 0.070	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.5 UJ	< 1.5 UJ	< 5.0 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.5 UJ	< 1.5 UJ	< 5.0 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 2, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	14	3.7	1.5	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.35	< 0.50	0.56 j
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.70	< 1.0	< 0.80
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.10 UJ	< 0.070 UJ	< 0.070 UJ	< 0.10 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.35 UJ	< 0.35 UJ	< 0.50 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.70	< 1.0	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.35	< 0.50	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.70	< 1.0	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.70	< 1.0	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.35 UJ	< 0.35 UJ	< 0.50 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.35	< 0.50	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.070 UJ	< 0.070 UJ	< 0.10 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 2.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	7.4 J-	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 2.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.070	< 0.10	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	0.38 j	< 0.10	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.0 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.0 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ

Notes:
Bolded values indicate concentrations above the Method Detection Limit.
Shaded values indicate concentrations above the FSWP SHSC.
< = Compound not detected. Method Detection Limit shown.
µg/L = micrograms per liter
FD = Field Duplicate Sample
FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
N = Normal Environmental Sample
NE = Not Established
SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
U = Analyte was analyzed for, but not detected above, the limit displayed.
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (Methyl ethyl ketone)
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	10	NE	15	NE	14000
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.35	< 0.40	< 0.35	< 0.50	< 5.0
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.70	< 0.80	< 0.70	< 1.0	< 10
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.070 UJ	< 0.080 UJ	< 0.070 UJ	< 0.10 UJ	< 1.0 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.35 UJ	< 0.40 UJ	< 0.35 UJ	< 0.50 UJ	< 5.0 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.70	< 0.80	< 0.70	< 1.0	< 10
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.35	< 0.40	< 0.35	< 0.50	< 5.0
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.70	< 0.80	< 0.70	< 1.0	< 10
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.70	< 0.80	< 0.70	< 1.0	< 10
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.35 UJ	< 0.40 UJ	< 0.35 UJ	< 0.50 UJ	< 5.0 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.35	< 0.40	< 0.35	< 0.50	< 5.0
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.070 UJ	< 0.080 UJ	< 0.070 UJ	< 0.10 UJ	< 1.0 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 6.8 UJ	< 3.0 UJ	3.8 J-	< 3.0 UJ	< 10 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 14 UJ	< 6.0 UJ	20 J-	< 6.0 UJ	< 20 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.68 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 1.0 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 6.8 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 10 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.070	< 0.080	< 0.070	< 0.10	< 1.0
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 3.4 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 5.0 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 3.4 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 5.0 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Benzene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	NE	NE	1500	1.4
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	5.8 J	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 5.0	< 7.5	6.2
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 10	< 15	< 1.0
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.080 UJ	< 0.080 UJ	< 1.0 UJ	< 1.5 UJ	< 0.10 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 5.0 UJ	< 7.5 UJ	< 0.50 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 10	< 15	< 1.0
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 5.0	< 7.5	< 0.50
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 10	< 15	< 1.0
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 10	< 15	< 1.0
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 5.0 UJ	< 7.5 UJ	< 0.50 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 5.0	< 7.5	3.0
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ	< 1.0 UJ	< 1.5 UJ	< 0.10 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	< 20 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	< 0.70 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	1.3 J	0.31 J-
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	R	0.31 J-
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	1.6 J	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 5.0 UJ	< 7.0 UJ	36 J-
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	1.1 J	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 10 UJ	< 14 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	< 0.70 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.50 UJ	< 20 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 5.0 UJ	< 7.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 1.0	< 1.5	< 0.10
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.5 UJ	< 3.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.5 UJ	< 3.5 UJ	57 J-

Notes:
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 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	1.7	14	150	0.92
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 1.5	< 0.50	< 0.50
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 3.0	< 1.0	< 1.0
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.080 UJ	< 0.080 UJ	< 0.30 UJ	< 0.10 UJ	< 0.10 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 1.5 UJ	< 0.50 UJ	< 0.50 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 3.0	< 1.0	< 1.0
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 1.5	< 0.50	< 0.50
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 3.0	< 1.0	< 1.0
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 0.80	< 3.0	< 1.0	< 1.0
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 1.5 UJ	< 0.50 UJ	< 0.50 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.40	< 1.5	< 0.50	< 0.50
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ	< 0.30 UJ	< 0.10 UJ	< 0.10 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.48 J	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	1.3 J-	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	1.3 J-	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 2.0 UJ	< 10 UJ	< 3.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 4.0 UJ	< 20 UJ	< 6.0 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 1.0 UJ	< 0.30 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 2.0 UJ	< 10 UJ	< 3.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.080	< 0.30	< 0.10	< 0.10
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.0 UJ	< 5.0 UJ	< 1.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.0 UJ	< 5.0 UJ	< 1.5 UJ	< 1.5 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
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 U = Analyte was analyzed for, but not detected above, the limit displayed.
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 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	0.16	64	NE	NE	28
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	< 0.090
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	40 J-
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	1.3
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	< 0.090
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.40	< 0.50	< 0.45
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.80	< 1.0	< 0.90
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	0.29 j
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.10 UJ	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	0.096 J-
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	< 0.090
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.82 J-	< 0.40 UJ	< 0.50 UJ	< 0.45 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.80	< 1.0	< 0.90
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.40	< 0.50	< 0.45
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.80	< 1.0	< 0.90
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.70	< 0.80	< 1.0	< 0.90
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.45 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.35	< 0.40	< 0.50	< 0.45
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.090 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.20 UJ	< 0.30 UJ	77 J-
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	160 J-
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	230 J-
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	240 J-
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	13,000 J-	< 2.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	4.1 J-	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	41,000 J-	< 4.0 UJ	9.5 J-	11 J-
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	17 J-
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.20 UJ	< 0.30 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 2.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	< 0.090
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.070	< 0.080	< 0.10	< 0.090
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.0 UJ	< 1.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	6,900 J-	< 1.0 UJ	< 1.5 UJ	< 1.5 UJ

Notes:
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 µg/L = micrograms per liter
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 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

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Attachment 2-1
 Volatile Organic Compounds Results
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 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	Chloromethane	cis-1,2-Dichloroethane	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	590	NE	1.3	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	0.19 j	< 0.080	< 0.10	< 0.080	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	0.60 J-	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.10	< 0.080	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.080	< 0.10	< 0.080	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.50	< 0.40	< 0.40
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 1.0	< 0.80	< 0.80
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.10	< 0.080	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	R	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	0.16 j	< 0.080	< 0.10	< 0.080	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 1.0	< 0.80	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.50	< 0.40	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 1.0	< 0.80	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 1.0	< 0.80	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.50	< 0.40	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	0.22 J-	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	0.51 J-	0.30 J-
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	0.51 J-	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 5.5 UJ	18 J-	< 2.0 UJ	< 2.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 11 UJ	< 6.0 UJ	< 4.0 UJ	< 4.0 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.55 UJ	< 0.30 UJ	< 0.20 UJ	< 0.20 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 5.5 UJ	< 3.0 UJ	< 2.0 UJ	< 2.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.10	< 0.080	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.10	< 0.080	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.8 UJ	< 1.5 UJ	< 1.0 UJ	< 1.0 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.8 UJ	3.6 J-	< 1.0 UJ	< 1.0 UJ	< 1.5 UJ

Notes:
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 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	Dichlorodifluoromethane (Freon 12)	Ethylbenzene	Ethylene dibromide	Hexachlorobutadiene	Isopropylbenzene (Cumene)
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	7.3	NE	0.01	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.080	< 0.080	0.18 j	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	1.4 j	< 0.40	< 0.40	< 0.40
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ	< 0.080 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 0.40 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.40	< 0.40	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.40 UJ	< 0.40 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.40	< 0.40	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.080 UJ	< 0.080 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 2.0 UJ	< 20 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 8.0 UJ	< 4.0 UJ	< 40 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.20 UJ	< 2.0 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 2.0 UJ	< 20 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.080	< 0.080	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.0 UJ	< 10 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.0 UJ	< 10 UJ	< 1.5 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
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 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	m,p-Xylenes	Methyl tert-butyl ether	Methylene chloride	Naphthalene	n-Butylbenzene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	1.8	NE	59	12	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	< 0.080	< 0.20	< 0.10	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	< 0.30 UJ	< 1.0 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	< 0.080	< 0.20	< 0.10	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.080	< 0.080	< 0.20	< 0.10	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	2.3 j	< 0.40	< 1.0	< 0.50	< 0.40
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 2.0	< 0.80	< 2.0	< 1.0	< 0.80
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	< 0.080	< 0.20	< 0.10	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.20 UJ	< 0.080 UJ	< 0.20 UJ	< 0.10 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	< 0.080	< 0.20	< 0.10	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	< 0.40 UJ	< 1.0 UJ	< 0.50 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 2.0	< 0.80	< 2.0	< 1.0	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 1.0	< 0.40	< 1.0	< 0.50	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 2.0	< 0.80	< 2.0	< 1.0	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 2.0	< 0.80	< 2.0	< 1.0	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	< 0.40 UJ	< 1.0 UJ	< 0.50 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 1.0	< 0.40	< 1.0	< 0.50	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.20 UJ	< 0.080 UJ	0.22 J-	< 0.10 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	1.7 J-	< 1.0 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	0.68 J-	< 1.0 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	1.7 J-	< 1.0 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	1.7 J-	< 1.0 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	< 0.30 UJ	< 1.0 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 20 UJ	< 2.0 UJ	< 3.0 UJ	< 10 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	< 0.30 UJ	< 1.0 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 40 UJ	< 4.0 UJ	< 6.0 UJ	< 20 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	0.36 J-	< 1.0 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 2.0 UJ	< 0.20 UJ	< 0.30 UJ	< 1.0 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 20 UJ	< 2.0 UJ	< 3.0 UJ	< 10 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	< 0.080	< 0.20	< 0.10	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.20	0.14 j	< 0.20	< 0.10	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 10 UJ	< 1.0 UJ	< 1.5 UJ	< 5.0 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 10 UJ	< 1.0 UJ	< 1.5 UJ	< 5.0 UJ	< 1.5 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
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 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

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Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	n-Propylbenzene	o-Chlorotoluene (2-chlorotoluene)	o-Xylene	sec-Butylbenzene	Styrene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	NE	13	NE	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	0.075 j	< 0.10	< 0.070
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	0.087 j	< 0.10	< 0.070
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.10	< 0.080	< 0.070	< 0.10	< 0.070
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	0.47 j	< 0.50	< 0.35
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.70	< 1.0	< 0.70
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.070	< 0.10	< 0.070
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.10 UJ	< 0.080 UJ	< 0.070 UJ	< 0.10 UJ	< 0.070 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	0.098 j	< 0.10	< 0.070
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.35 UJ	< 0.50 UJ	< 0.35 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.70	< 1.0	< 0.70
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.35	< 0.50	< 0.35
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.70	< 1.0	< 0.70
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 1.0	< 0.80	< 0.70	< 1.0	< 0.70
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.35 UJ	< 0.50 UJ	< 0.35 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.50	< 0.40	< 0.35	< 0.50	< 0.35
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.070 UJ	< 0.10 UJ	< 0.070 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 8.0 UJ	< 6.0 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 0.30 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 4.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	0.11 j	< 0.10	< 0.070
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.10	< 0.080	< 0.070	< 0.10	< 0.070
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 2.0 UJ	< 1.5 UJ	< 1.5 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	0.33	9.8	1000	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID											
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.20	< 0.080	< 0.10	< 0.080
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	4.4 J-	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	0.44 j	< 0.080	< 0.10	< 0.080
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.080	< 0.20	0.096 j	< 0.10	< 0.080
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 1.0	2.0 j	< 0.50	< 0.40
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 2.0	< 0.80	< 1.0	< 0.80
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	0.20 j	< 0.080	< 0.10	< 0.080
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.080 UJ	< 0.20 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.20	< 0.080	< 0.10	< 0.080
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 1.0 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 2.0	< 0.80	< 1.0	< 0.80
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 1.0	0.49 j	< 0.50	< 0.40
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 2.0	< 0.80	< 1.0	< 0.80
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 2.0	< 0.80	< 1.0	< 0.80
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 1.0 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 1.0	< 0.40	< 0.50	< 0.40
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.20 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	13 J-	< 3.0 UJ	< 7.0 UJ	< 2.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	6.7 J-	< 6.0 UJ	< 14 UJ	< 4.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.70 UJ	< 0.20 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 7.0 UJ	< 2.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.20	< 0.080	< 0.10	< 0.080
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.20	< 0.080	< 0.10	< 0.080
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 3.5 UJ	< 1.0 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 3.5 UJ	< 1.0 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-1
 Volatile Organic Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Trichlorofluoromethane (Freon 11)	Vinyl chloride
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	3	NE	0.24
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID									
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.10	< 0.10
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.75 J-	< 0.30 UJ	< 0.30 UJ
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	0.25 j	< 0.10	< 0.10
PA-03	5-13-2025	N	Shallow	PA-03-051325	< 0.070	< 0.080	< 0.10	< 0.080	0.11 j	< 0.10	< 0.080	< 0.10	< 0.10
PA-04	5-13-2025	N	Shallow	PA-04-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.50	< 0.50
PA-08	5-12-2025	N	Shallow	PA-08-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 1.0	< 1.0
PA-09	5-12-2025	N	Shallow	PA-09-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.10	< 0.10
PA-31	5-14-2025	N	Shallow	PA-31-051425	< 0.070 UJ	0.19 J-	< 0.10 UJ	< 0.080 UJ	0.12 J-	0.68 J-	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.10	< 0.10
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 1.0	< 1.0
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.50	< 0.50
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 1.0	< 1.0
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	< 0.70	< 0.80	< 1.0	< 0.80	< 1.0	< 1.0	< 0.80	< 1.0	< 1.0
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	< 0.35 UJ	< 0.40 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ	< 0.40 UJ	< 0.50 UJ	< 0.50 UJ
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	< 0.35	< 0.40	< 0.50	< 0.40	< 0.50	< 0.50	< 0.40	< 0.50	< 0.50
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(D)-051425	< 0.070 UJ	< 0.080 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ	< 0.080 UJ	< 0.10 UJ	< 0.10 UJ
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(D)-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.43 J-	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-56d	5-14-2025	N	Deep	MWA-56D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	N	Deep	MWA-58D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	0.33 J-	< 0.30 UJ	< 0.30 UJ
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-18d	5-14-2025	N	Deep	PA-18D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-19d	5-14-2025	N	Deep	PA-19D-051425	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	30 J-	< 3.0 UJ	< 3.0 UJ
PA-20d	5-14-2025	N	Deep	PA-20D-051425	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-21d	5-14-2025	N	Deep	PA-21D-051425	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	6.9 J-	< 6.0 UJ	< 6.0 UJ
PA-22d	5-13-2025	N	Deep	PA-22D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-23d	5-13-2025	N	Deep	PA-23D-051325	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ	< 0.30 UJ
PA-24d	5-12-2025	N	Deep	PA-24D-051225	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ	< 3.0 UJ
PA-25d	5-12-2025	N	Deep	PA-25D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.10	< 0.10
PA-26d	5-12-2025	N	Deep	PA-26D-051225	< 0.070	< 0.080	< 0.10	< 0.080	< 0.10	< 0.10	< 0.080	< 0.10	< 0.10
PA-27d	5-13-2025	N	Deep	PA-27D-051325	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ
PA-30d	5-15-2025	N	Deep	PA-30D-051525	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
 R = Data is rejected.

Attachment 2-2
 Additional Compounds Results
 Arkema Quarter 2, 2025, Groundwater Monitoring Report
 Arkema Inc. Facility
 Portland, Oregon

					Analyte	Chloride	Perchlorate
					Unit	mg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)						230	1800
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID			
MWA-41	5-13-2025	N	Shallow	MWA-41-051325	8.6		< 0.91
MWA-63	5-14-2025	N	Shallow	MWA-63-051425	4.7		< 4.5
MWA-82	5-13-2025	N	Shallow	MWA-82-051325	9.4		93
PA-03	5-13-2025	N	Shallow	PA-03-051325	9.3		< 36
PA-04	5-13-2025	N	Shallow	PA-04-051325	60		< 9.1
PA-08	5-12-2025	N	Shallow	PA-08-051225	260		< 36
PA-09	5-12-2025	N	Shallow	PA-09-051225	69		< 4.5
PA-31	5-14-2025	N	Shallow	PA-31-051425	3.4		< 9.1
MWA-81i	5-13-2025	N	Intermediate	MWA-81i-051325	28		< 0.91
PA-10i	5-14-2025	N	Intermediate	PA-10i-051425	36		< 36
PA-15i	5-12-2025	N	Intermediate	PA-15i-051225	34		< 36
PA-16i	5-12-2025	N	Intermediate	PA-16i-051225	11		< 9.1
PA-17iR	5-13-2025	N	Intermediate	PA-17iR-051325	57		< 91
PA-17iR	5-13-2025	FD	Intermediate	DUP-01-051325	58		< 91
PA-32i	5-14-2025	N	Intermediate	PA-32i-051425	47		< 91
PA-44i	5-13-2025	N	Intermediate	PA-44i-051325	62		< 36
MWA-11i(d)	5-14-2025	N	Deep	MWA-11i(d)-051425	900		< 0.91
MWA-31i(d)	5-13-2025	N	Deep	MWA-31i(d)-051325	22,000		100,000
MWA-56d	5-14-2025	N	Deep	MWA-56d-051425	14,000		12,000
MWA-58d	5-14-2025	N	Deep	MWA-58d-051425	18,000		48,000
MWA-58d	5-14-2025	FD	Deep	DUP-02-051425	18,000		47,000
PA-18d	5-14-2025	N	Deep	PA-18d-051425	53		< 91
PA-19d	5-14-2025	N	Deep	PA-19d-051425	250		100
PA-20d	5-14-2025	N	Deep	PA-20d-051425	460		< 0.91
PA-21d	5-14-2025	N	Deep	PA-21d-051425	370		1,100
PA-22d	5-13-2025	N	Deep	PA-22d-051325	5,100		13,000
PA-23d	5-13-2025	N	Deep	PA-23d-051325	31,000		< 36
PA-24d	5-12-2025	N	Deep	PA-24d-051225	630		< 36
PA-25d	5-12-2025	N	Deep	PA-25d-051225	15		< 0.91
PA-26d	5-12-2025	N	Deep	PA-26d-051225	86		< 0.91
PA-27d	5-13-2025	N	Deep	PA-27d-051325	600		< 91
PA-30d	5-15-2025	N	Deep	PA-30d-051525	310		< 91

Notes:

Bolded values indicate concentrations above the Method Detection Limit.

Shaded values indicate concentrations above the FSWP SHSC.

< = Compound not detected. Method Detection Limit shown.

µg/L = micrograms per liter

mg/L = milligrams per liter

FD = Field Duplicate Sample

FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria

N = Normal Environmental Sample

E300 analyses performed by TestAmerica - Seattle, WA of Seattle.

E314.0 analyses performed by TestAmerica - Sacramento, CA of West Sacramento.