



SUMMARY REPORT – PFAS BUILDING CLEANING INSPECTIONS FORMER CHEMFAB FACILITY – SAINT GOBAIN PERFORMANCE PLASTICS

PROJECT NO. 280EM01070 (SMS SITE #2006-4630)

1030 Water Street, North Bennington, VT 05257

PREPARED FOR:

Vermont Department of Environmental Conservation
Waste Management and Prevention Division
Attn: Richard Spiese
Davis Building – 1st Floor
One National Life Drive
Montpelier, VT 05620

PREPARED BY:

Atlas Technical Consultants LLC
51 Knight Lane, PO Box 1486
Williston, VT 05495

April 24, 2024



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1.0 INTRODUCTION

Atlas Technical Consultants, LLC (Atlas) has prepared this Summary Report of Per- and Polyfluoroalkyl (PFAS) Substances Building Cleaning Inspections at the former Chemfab facility, owned by Saint-Gobain Performance Plastics Corporation (Saint-Gobain), at 1030 Water Street in North Bennington, VT (the Site). The Site is listed by the Vermont Department of Environmental Conservation (VTDEC) as hazardous site #2006-4630. Atlas provided oversight of Saint-Gobain's contractor, Barr Engineering (Barr), on behalf of the VTDEC to ensure proper implementation of the approved March 9, 2020 Corrective Action Plan (CAP), which was completed in accordance with the requirements of a Consent Order between the Vermont Agency of Natural Resources (VTANR) and Saint-Gobain, dated April 8, 2019, as well as Chapter 35-603 of the *Investigation and Remediation of Contaminated Properties Rule* (I-Rule, 2019). This oversight was originally requested in December 2019 by Richard Spiese of the VTDEC. The onset of the COVID19 pandemic put the building cleaning on hold; the work commenced in Fall 2023. Atlas' oversight was performed under Atlas' Master Agreement Contract #44989 and in general accordance with Atlas' cost estimate dated December 13, 2019, and Atlas' work plan and cost estimate (WPCE) dated May 26, 2023. Following approval of the Atlas WPCE, Mr. Spiese requested that Atlas calculate the mass of Perfluorooctanoic acid (PFOA) removed during cleaning activities, and compare removal amounts to the original estimated PFOA mass estimate calculated by Weston & Sampson.

2.0 SUMMARY OF BUILDING CLEANING INSPECTIONS

From October to December 2023, Atlas made 11 weekly visits to the Site to conduct final inspections of the building where insulation had been removed and the hard surfaces had been cleaned by C.T. Male and Precision Industrial Maintenance (PIM) through a combination of pressure washing and degreaser. Atlas' goal during these inspections was to ensure adherence to the approved CAP and visual Building Cleaning Performance Standards. Each of these weekly reports can be referenced in **Appendix A**. Throughout these visits, Atlas made note of any areas that needed to be cleaned again and communicated with personnel from Barr and PIM to address any areas that were deemed to fail the visual performance standards. These areas subsequently passed inspection after a second cleaning, which normally consisted of spot cleaning with wipes.

After the 11 weeks, Atlas and Barr had passed every section of the building based on the visual standards, including the office spaces where asbestos materials had been reportedly removed; however, there was brown staining observed after cleaning in some areas around the cupolas. Refer to Section 2.3.1.2 of the *Corrective Action Construction Completion Report* (CACCR) by Barr (February 29, 2024) for the specific areas in question. This staining was distinct from the black and tarry PFAS residue found throughout the building and was determined to likely be related to historic tower fires in the building. The residue did not come off with repeated washing and could only be removed through the use of a glass scrapping knife, which was deemed impractical for the amount of area covered by the residue. These areas were deemed to pass the visual inspection as they met Section 35-603 of the I-Rule as the staining was distinct from the PFAS residue in the building, was located mainly on the ceiling, and could be mitigated through other engineering or institutional controls in the future. Atlas also noted the existence of a black polyethylene sheet surrounding the HVAC system that visually appeared to have PFAS residue on it; however, this was outside of the proposed CAP area. To Atlas' knowledge, this sheet is still in place and should be removed, disposed of properly, and replaced or tested for PFAS. Removal

of hazardous building materials and wastewater were not overseen by Atlas but were verified to be completed through correspondence with Barr.

2.1 EFFICACY OF BUILDING CLEANING

Estimates of the overall PFOA mass calculated by Weston & Sampson from wipe samples taken pre-cleaning during the bench testing of the Evaluation of Corrective Action Alternatives (ECAA, January 28, 2019) stated that approximately 13 grams of PFOA would be removed from the hard surfaces at 99% removal and that 750 grams would be removed through removal of the insulation. These estimates can be found within a memorandum from Barr to the VTDEC dated September 25, 2019. The post-cleaning sample of the wastewater used during the remedial activities showed a removal of approximately 687 grams of PFOA, which is approximately 53 times greater than the original estimate. The wastewater sample is a reflection of the hard surface cleaning as the insulation was completely removed and bagged prior to cleaning efforts. This difference in total mass calls into question the total amount of PFOA that existed on the hard surfaces pre-cleaning and whether the wipe samples taken during bench testing are an accurate method for estimating PFOA on building materials. As the mass-balance shows a significantly larger amount removed than what was estimated, it is difficult to quantify the overall percent removal of PFOA. However, the building cleaning passed visual inspections as determined by the CAP and Building Cleaning Performance Standards.

Other potential deviations that could have biased the estimates low or caused the high concentration in the wastewater are as follows:

- Potential that the wipe samples did not remove the entire mass of PFOA residue within the pre-cleaning sample sections; however, photos provided by Weston and Sampson in a Task Order Request Form dated August 5, 2019 seem to show a sufficient amount of removal in the test areas.
- Wipe sample locations may not have been representative of each surface type across the entirety of the building. Depending on former operations within the facility it is likely that the mass was not evenly distributed within the building.
- If original calculations of the surface area within the building were generalized based solely on the dimensions of the warehouse space, it is likely to be an underestimate of the total surface area due to the variance in building material types within the warehouse (i.e. corrugated metal walls/ceilings, purlins, fire suppression systems, HVAC piping, perforated catwalks, etc.).
- Disturbance of soft materials containing PFOA mass may have caused mass from the insulation to end up on floors, where it was eventually mixed with the wash water.

Although these represent some potential sources for some of the difference seen between the estimate and the final wastewater sample, it is not apparent as to whether or not any of these sources could have caused the entirety of the large discrepancy in calculated mass totals.

2.2 MASS BALANCE METHODOLOGY

Atlas calculated the mass balance by first converting the PFOA concentration from the wastewater sample (see laboratory report in **Appendix B**), given in nanograms per liter (ng/L), to grams per liter. Then the converted result was multiplied by the liquid quantity reported on the waste manifest (5,500 gallons; also in **Appendix B**) given by Barr in Appendix E of their CACCR which was converted from gallons to liters. This resulted in a mass total of 686.98 grams of PFOA and does not include the mass of any other PFAS compounds detected in wastewater sample.



PFOA constituted 33 million ng/L of the 33,737,800 ng/L of PFAS-related compounds detected in the wastewater sample, which equates to 97.8% of the total concentration.

3.0 CONCLUSIONS

Based on the criteria outlined in the CAP, the building cleaning inspections, and the information provided by Barr in their CACCR, Atlas concludes that Barr sufficiently adhered to the CAP based on the visual Building Cleaning Performance Standards. Atlas also concludes that initial estimates of PFOA contained in the residue on the hard surfaces within the warehouse were substantially underestimated based on the wastewater sample collected by PIM after completion of the cleaning. It is unclear currently where this discrepancy stems from and whether or not it is a culmination of multiple variables or if there is one central cause.

4.0 RECOMMENDATIONS

Based on the building cleaning inspections and CACCR, Atlas has the following recommendations related to PFAS impacts to the building:

- If the building is to be repurposed, implementation of future engineering or institutional controls should be put in place to limit any exposure to the brown residue thought to be related to historic fires that could not be removed during cleaning efforts. These controls would most likely be through a temporary encapsulation method such as paint or the reinstallation of insulation over the affected areas. As there is no quantitative data as to the composition of the residue, further sampling could be completed to conclude whether these controls are necessary.
- Post-cleaning wipe samples could be collected to determine the residual PFAS concentrations on hard surfaces. This would not likely be indicative of how much mass was removed but would be further protective of human health.
- Testing for PFAS in indoor air is in the developmental analytical stage; however, prior to future occupancy and based on additional future research, it may be prudent to test indoor air for PFAS.
- Removal and replacement of the polyethylene sheeting that looked to be impacted with PFAS residue surrounding the HVAC area (above the office space on the south wall).



SIGNATURE OF REPORT AUTHORS

This report has been prepared by the employees of Atlas Technical Consultants, LLC whose signatures appear below. Requests for information on the contents of this report should be directed to these individuals.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.

Prepared by:

A handwritten signature in black ink, appearing to read "D. Delello", with a stylized flourish at the end.

Dominick Delello
Senior Environmental Technician
Dominick.Delello@oneatlas.com

A handwritten signature in black ink, appearing to read "Nate Berube", with a long, sweeping horizontal line at the end.

Nate Berube, P.E.
Senior Project Engineer
Nathan.Berube@oneatlas.com



APPENDIX A

WEEKLY INSPECTION REPORTS

APPENDIX B

LABORATORY ANALYTICAL REPORT & HAZARDOUS WASTE MANIFEST

(From Appendix E of CACCR by Barr, February 29, 2024)

Chem Barb Oversight 280EM01070

10/4/23 - Sunday 68°F

- 0945 LR on-site (0630 - headed to Bonaville)
- met w/ contractor
 - HASP signed
 - tailgate performed

Work performed while gone:

- insulation removal and baggage

Upcoming Work:

- insulation removal - next 5 weeks or so
- no PFAS cleanup until all insulation removed

- some 9x9 VFT and other PACM in facility office area
 - ↳ change order processing for removal

- various drums of unknown substances present prior to contractor arrival

- photos taken to document removal/baggage of insulation

1130: LR - off site headed home. (L)

Scale: 1 square = _____ page 1 of 1 *Rite in the Rain*

10/11/23 Saint Gobain

280EM01070

Dominick DeLello

Cloudy, 55°F @ 1100

Weekly Inspection Notes

1100 Met w/ Kevin & Josh

- signed HASP & did tailgate (DSR)

- went over schedule w/ them. Bulk removal

of insulation in warehouse area is estimated to be finished by Friday, 10/13/23. Contractor will be going back to clean up small bits of insulation left over around pipes & difficult to reach areas.

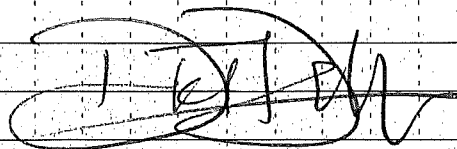
This is expected to run into next week.

PFOA removal by pressure washing is expected to begin in ~2 weeks.

1115 Took photos of walls/ceilings. Noticed some standing water in a few small areas. Holes in walls will be patched w/ wire mesh & spray foam before cleaning begins to keep spray contained. Contractor expects to have 10K gal clean water tank & 20K waste tank & vacu.

- Removal of carpet & ceiling tile in office spaces is on hold until change order is submitted. Asbestos 9x9 tile beneath carpets is the cause of the hold up.

1210 DD offsite



Scale: 1 square = _____

1 of 1

Return the Rain.

10/24/23 Chemfab

280EM01070

Site: Former Chemfab Facility - Saint Gobain
Performance Plastics

Address: 1030 Water St., N. Bennington, VT

Task: Weekly Inspection of Building Cleaning

1145 DD onsite

- completed DSP

- met w/ Barr rep & did walkthrough of area where pressure washing was starting

- Pressure washing began on Monday 10/23/23 but contractor (Precision Group) was still testing efficacy of equipment. Minimal progress has been made so far.

- Test sections of wall, ceiling, and steel beams showed good progress of PFOA removal.

Beams & ceilings will need a second pass or the potential use of degreaser to remove remaining residual. Walls seem to be cleaning easier.

- TPG has vacator truck w/ a vacuum boom being used for water containment & removal. Waste water being moved from vacator to 20k gal Adler tank across the road. Waste water to be removed by US Ecology at conclusion of cleaning.

- Residual insulation being removed while cleaning is occurring. All insulation that is removed is bagged & ready for disposal. Still some insulation in utility room that needs to be removed.

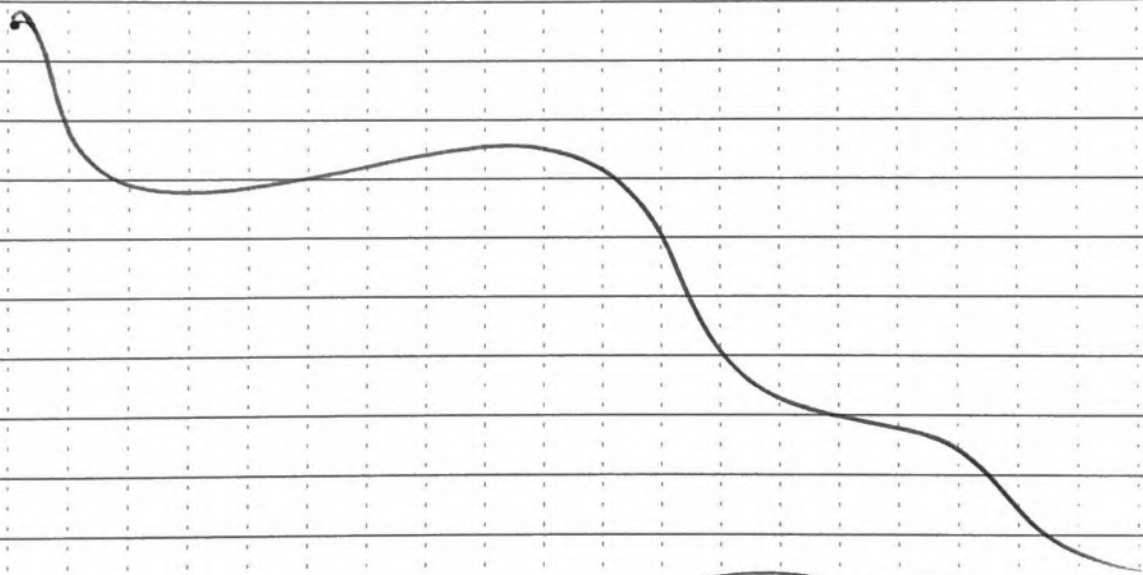
→
pg 1 of 2

10/24/23

Chemfab

2806M01070

- No progress has been made in regards to change order for office space tile removal.
- Small holes in western wall of warehouse that may need to be patched to contain water. ~~I asked contractor to assess if water is getting through these small holes & to patch if so.~~ (see photos). (DP)
- I walked around the outside of the western wall to assess if water was getting through the holes. I noticed seepage coming out of holes (1/4") and from ~~the~~ where the sheet metal wall meets the concrete foundation. I notified Barr & told them to seal holes and gap between metal/concrete. Will reassess next visit to see correction.
- One pressure washer was not working so TPG is currently working w/ just one unit.



1 ~~TH~~ ~~DL~~
pg 2 of 2

PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #1

Description:
*Vactor truck and
clean water
fractionation tank in
front of building.*



Photograph #2

Description:
*20k Wastewater
fractionation tank set
up across the road*



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #3

Description:
*Test section of
pressure washer
removal on lower
strip of sheet metal
walls.*

Test section



Photograph #4

Description:
*Containment setup
with vacuum boom.*



PHOTOGRAPHS

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Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #5

Description:

*Test section of the
metal roof in
northwestern portion
of the warehouse.
Light residue still
visible in sections.*



Photograph #6

Description:

*Test section of steel
beam. Three
sections washed
show visible
improvement in
residue removal.*



PHOTOGRAPHS

Client Name:
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Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

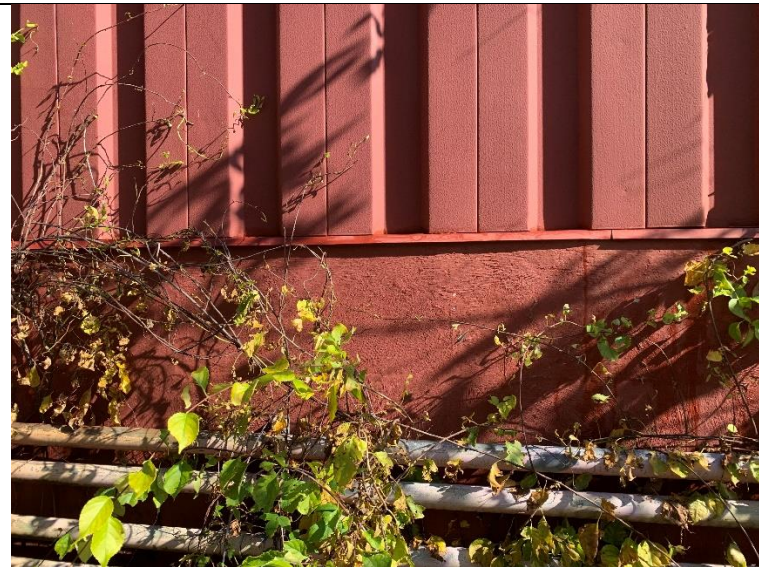
Photograph #7

Description:
*Western wall of
warehouse with
numerous open
screw holes in the
sheet metal.*



Photograph #8

Description:
*Spray water seeping
out of junction
between sheet metal
wall and concrete
foundation.*



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #9

Description:
*Insulation bagged
and ready for
removal.*



Photograph #10

Description:
*Insulation bagged
and ready for
removal.*



Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #11

Description:
*Utility closet in
warehouse still in
need of insulation
removal.*



11/1/23 Chemfab 280FMO1070

Site: Former Chemfab - Saint Gobain Performance Plastics

Address: 1030 Water St., N. Bennington, VT

Staff: Don Delella

Contractors: Barr, The Precision Group (TPG)

Task: Weekly Inspection

1230 DD onsite

- Reviewed HASP, DSR

Weather: Cloudy, 35°F

1315 Inspecting A sections A, B, ³ E

- Column 2.1 (G-001) needs to be rewashed
residue still noticeable.

- passed all other sections that Barr had
ready for final inspection.

- Sections inspected include:

- A-001 thru A-006

- B-001 thru B-009

- E-001 thru E-007

- G-001 thru G-004

Note: Ceiling sections will need to wait until
fall protection training is completed.

1530 C.T. Male & Barr walked outside to show
me the unsealed seam between concrete foundation
& sheet metal. Precision Group is planning to
seal w/ insulating foam on the outside. Caulk
would not set, so foam will be used.

11/1/23

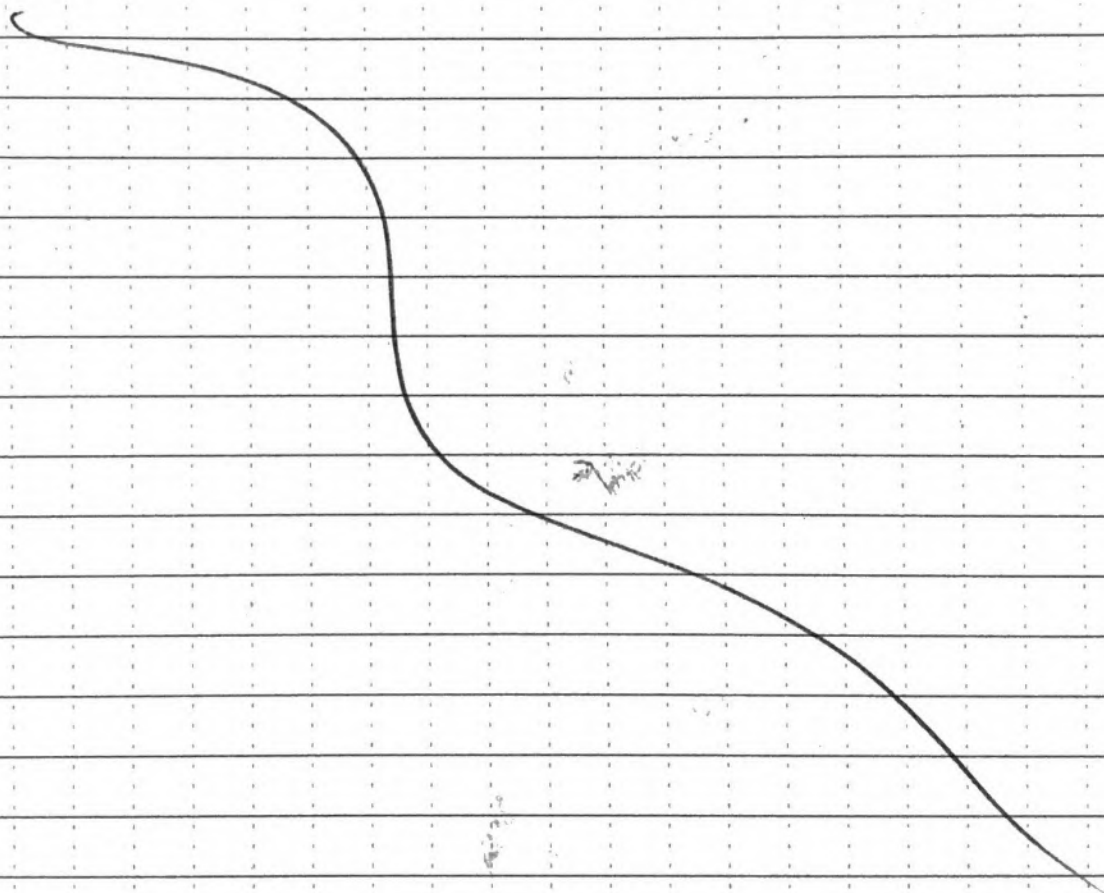
Chem Fab

280EM01070

1600 No movement yet on asbestos tile removal in office spaces.

- Building is not sealed along roof line either. Large amounts of condensation & corrosion are visible along the sheet metal near the roof line.

1715: DD offsite



Scale: 1 square = _____

~~DD~~
2/2 Rite in the Rain.

PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #1

Description:
*Beam and sheet
metal along the
northern wall
(Section B).*

Corrosion
where water
is seeping into
building.



Dark coloration is
raw metal where
paint has been
removed.

Photograph #2

Description:
*Sheet metal along
northern wall.
Representative
photo of finished
sheet metal surface
in this area. Leftover
insulation removed
by The Precision
Group after this
photo.*



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #3

Description:
*Upper portion of the
west wall (Section A),
near corner of north
wall.*



Photograph #4

Description:
*Close up of purlin
along the western
wall (Section A).
Purlins showed no
signs of PFAS
residue.*



PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #5

Description:
*Overview of cleaned
portion of floor in the
north end of the
warehouse (Section
E).*



Photograph #6

Description:
*Outside of western
wall where contractor
used foam to seal
gap between sheet
metal and concrete.*



11/8/23 Chemfab

280 EMO 1070

1030 Water St., N. Bennington, Vt

Dominick Delello

Weekly Inspection

1200 DD onsite

- HASP reviewed

- fall protection inspected

1515 Finished inspections of the following
Sections:

- A-008 thru A-012

- B-012 thru B-027

- ~~E-001~~ C-001 thru C-006

- E-008 thru E-037 ~~except~~

- except E-014 thru E-017

- F-001 thru F-015

- G-004 thru G-014

- failed G-005

- TPG to clean again on 11/9/23

Barr to send photos to me for approval
(Painters will start working on Monday)

- K-001 thru K-004

- I-001 thru I-006



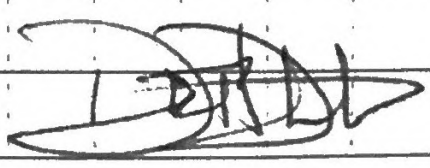
11/8/23 Chemfab 2808M101070

11:15 Took photos of the office spaces where ceiling tiles had been removed. No walls have been cleaned in office area.

11:30 Walked through area currently being cleaned (mid-section of warehouse). TPG having trouble removing brown residue from some ceiling tiles. They believe these areas may be a result of a historical fire. This area has not yet been inspected by Atlas or Barr. Further discussion/investigation may be needed to identify cause/solution to these problem areas.

11:45 Asked TPG to reclean failed column beams ³ to do a second clean of the ceiling shaft that runs the middle of the northern ceiling. This is an approx. 8-10 ft length by 2 ft area.

- DO offsite



PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #1

Description:
Upper shaft running
down the center of
the north end ceiling.
This section is to be
re-cleaned due to
visible residue.



Photograph #2

Description:
*Section of drywall
along upper portion
of the northern wall
(Section B). Brown
discoloration looks to
be from seeping from
roofline.*



PHOTOGRAPHS

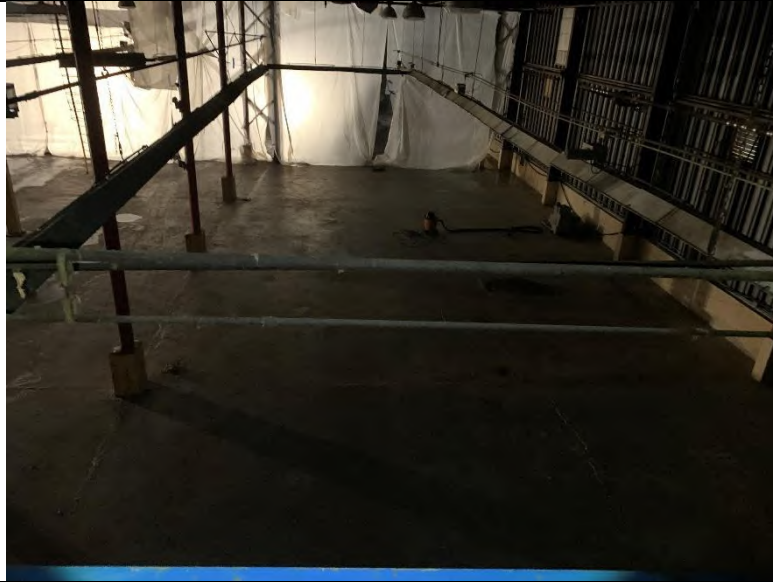
Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #3

Description:
*Overview of cleaned
and inspected floor in
northern end of
warehouse (Section
E).*



Photograph #4

Description:
Representative
section of clean
ceiling panels in
northern end of
warehouse. Yellow
stains are from
adhesive strips used
for insulation.



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #5



Photograph #6

Description:
Side wall of
northwestern cupola
(Section K) and steel
support beam.



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #7

Description:

*Current area that is
being cleaned
(middle portion of
warehouse).
Cleaners noted
brown residue is not
coming off.
Potentially discolored
from a historical fire
in building where
insulation was not
present. Area has not
been inspected yet.*



Photograph #8

Description:

*Brown residue from
Photo #6 also noted
along western wall in
current cleaning
area. Area has not
been inspected and
discoloration is not
coming off.*



Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS



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Site Location:
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North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #9

Description:
Ceiling tile in office
spaces has started to
be removed. Wall
have not been
cleaned.



11/123 2806M01070 Saint Gobain Performance Plastics

Site: ChemFab Facility, 1030 Water St., N. Bennington, VT

Staff: Dominick Delello

Contractors: CT Male, The Precision Group (TPG), 3 Barr Engineering

Weather: Cloudy, 45°F

Task: Weekly Inspection

1130 DD onsite

- debriefed w/ Barr rep, Joe Lazarus, on what was ready for inspection

- inspected fall safety gear

- performed safety tailgate

1200 Began inspections

Areas inspected

A-011 thru A-016

C-011 thru C-015

E-014 thru E-017

→ E-014, E-017 to be rewiped by hand

E-039 & E-042 to be rewiped by hand, noticeable black spotting on interior of beam.

F-017 thru F-036

- F-020, -021, -024, -026, & -030 thru -034 (+-017)

are all pending due to brown staining & residue. Suspected that it is related to the insulation and old fires but will reconvene after

Richard Speise can take a look. May need to try an abrasive manual removal.



11/14/23 280EM01C70 Saint Gobain Performance Plastics

Areas inspected cont'd

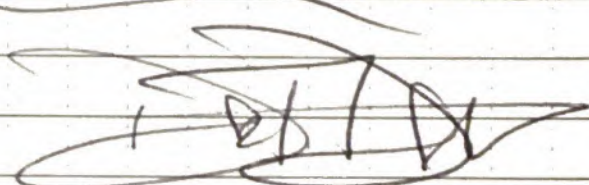
- G-005, -018, -021, -025, -026, & -029
- -005 & -021 ~~or~~ passed inspection after failing previous week, TPG wiped by hand to remove residual black spotting. All other columns in Section 6 passed, ~~AD~~ G-018 needs to be rewiped.
- J-001 thru J-006 (cupola III walls) passed inspection.
- I-001 thru I-013 (ceiling beams) all passed

1530 Painters looking to start working on structural steel. Will need VTDEC to look at pending areas before painters work in these areas.

- Barr to send photos of wiped areas for approval before next inspection. (PD approved these areas on 11/16 after Barr rep., Joe Lazarus, shared folder of rewiped areas.

* Poly up to 4.4a *

1400 Spike w/ JP of Atlas re: Staining on ceilings. Will follow up w/ DW of Atlas & PS of VTDEC to figure out how to proceed w/ these areas
- offsite



PHOTOGRAPHS

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Plastics*

Site Location:
*Former Chemfab Facility
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North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #1

Description:
Stained panels at the
base of Cupola III



Photograph #2

Description:
Stained panels and
clean steel beam at
the base of cupola III.



Photograph #3

Description:
Passing photo of
cupola III wall.



PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #4

Description:
Cupola III ceiling with
some dark staining
along western
portion above the
catwalk.



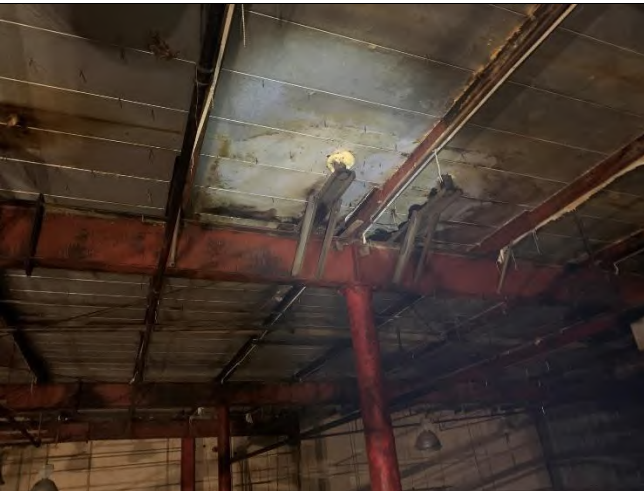
Photograph #5

Description:
Passing support
beam in area
beneath cupola III.



Photograph #6

Description:
Passing ceiling tiles
in the area west of
cupola III.



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

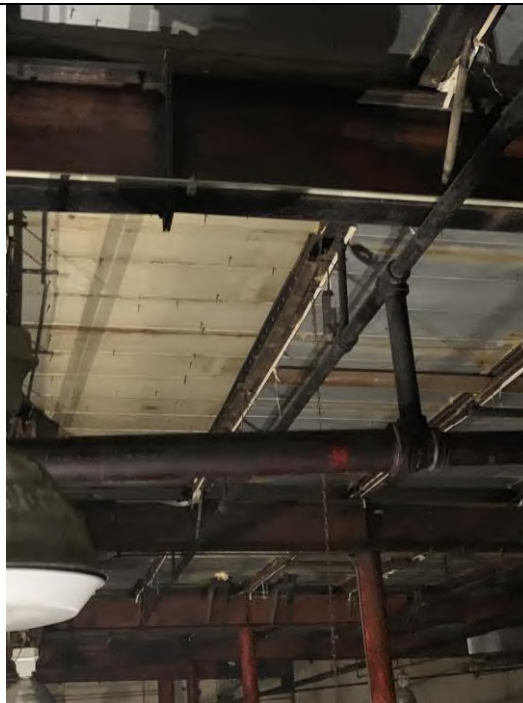
Photograph #7

Description:
Passing sheet metal
along western wall of
warehouse.



Photograph #8

Description:
Passing ceiling tile
shown on the right
versus pending tile
stained brown on the
left.



PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #9

Description:

Brown staining on ceiling around outside of cupola III. Black staining also noticed in some areas here.



Photograph #10

Description:

Cupola III walls and ceiling from the southern side.



PHOTOGRAPHS

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Plastics*

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North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #11

Description:
Stained ceiling tile
along southern edge
of cupola III.



Photograph #12

Description:
Stained ceiling tile
and center shaft area
with noticeable black
residue left over.
Asked The Precision
Group to hand wipe.



PHOTOGRAPHS

Client Name:
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Saint Gobain Performance
Plastics*

Site Location:
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1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #13

Description:
Stained ceiling tile
around cupola III.



Photograph #14

Description:
Passing floor along
eastern wall,
including HVAC
catwalk area.



PHOTOGRAPHS

Client Name:
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Saint Gobain Performance
Plastics*

Site Location:
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1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #15

Description:

More stained ceiling
tile with both black
stains and more
common brown
staining.



Photograph #16

Description:

HVAC piping with
noticeable black
residue streaming
around seams in the
pipe. TPG to hand
wipe.



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PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #17

Description:
Passing ceiling tile
above HVAC system
along eastern wall.



11/21/23 Saint Gobain Performance Plastics 2808401070

Address: 1030 Water St., N. Bennington, VT

Former Chemfab Facility

Staff: Dominick Delello

Contractors: CT Male, Barr Engineering, The Precision Group (TPG)

Task: Weekly Inspection

1100 DD onsite

- reviewed HASP, DSR

- inspected fall protection/lanyard

1115 Met w/ Joe Lazarus of Barr & Richard Spiere of the VTDEC to review areas to be inspected during this visit

1145 Did a site walk-through w/ Richard, Joe, & Kevin (CT Male) to review areas that had been cleared and areas currently being cleared.

1200 Began inspecting

- used 60 grt sandpaper, a paint scraper, & a glass knife to scrap dark brown stained areas on the ceiling. Only the paint scraper was able to remove some of the staining. F-048/-049 was the test area.

- After deliberating w/ PS, we determined that the stained areas were most likely from burnt insulation from historic fires in the building. If PFDA mass is contained w/in the layer of staining it is most likely less than a very small percentage of the

1200 cont'd... overall mass in the building and is unlikely to pose a future threat in the scenario that the building is repurposed. This is due to the fact that it is already difficult to remove and ~~would most likely~~ is located in areas (ceiling, upper walls) that would not be heavily disturbed.

Inspection Areas:

- A-017 thru A-025
- C-016 thru C-024
- E-043 thru E-058
- F-037 thru F-061
- G-032 thru G-049
- I-011 thru I-019
- J-010 thru J-015
- K-005 thru K-013

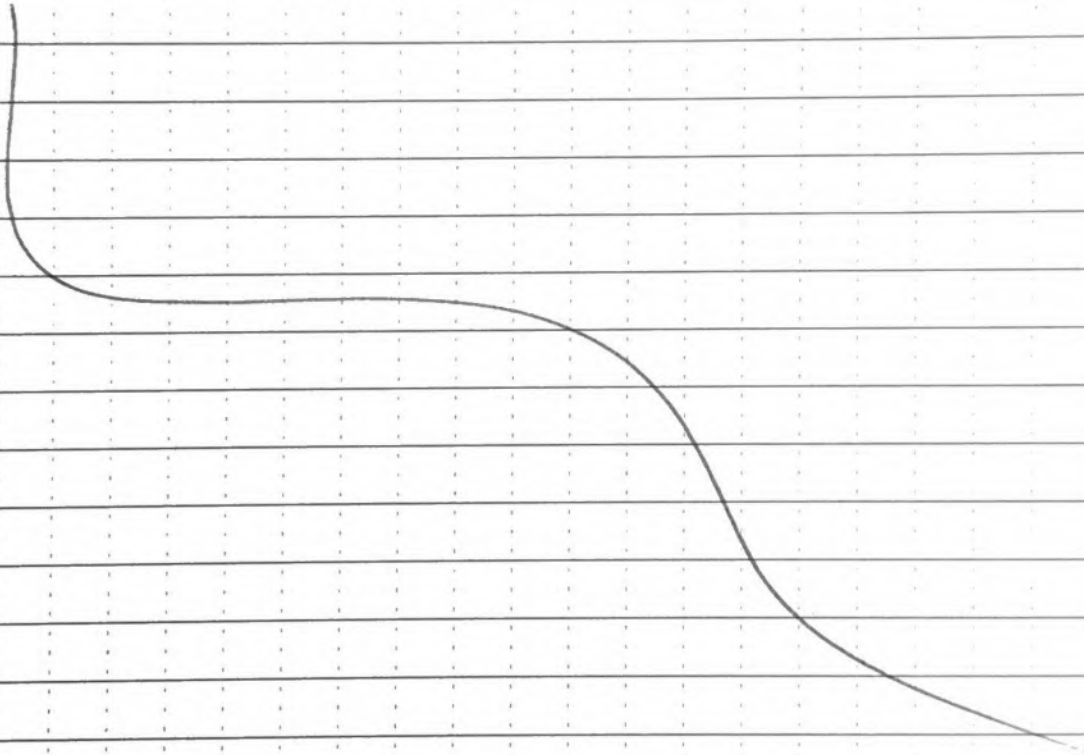
1300 Failed I-018 due to residual blackened area on beam, TPG hand wiped area after failure? I passed it upon reinspection as leftover residue had been removed. All other sections passed inspection.

1330 Passed previously "pending" areas where brown residue (staining from insulation) was present. Also passed ceiling in cupola 3 where dark area was present. After using higher scissor lift it was determined that the dark area was heavy metal corrosion. →

11/21/23 Saint Gobain Performance Plastics - Chemfab 2006101070

1400 Spoke w/ JL & Kevin about scheduling for the next two weeks. We will forego inspecting during the week of 11/27 due to the holiday postponing work progression. Atlas will be back on 12/7 to finish the rest of the building inspections. Some time may be needed on 12/8.

1430 DID offsite



12/7/23 Chemfab 280EM01070

Address: 1030 Water St., N. Bennington

GC: CT Male

Subs: Barr Engineering, The Precision Group (TPG)

Task: Weekly Inspection

1115 PD onsite

- checked fall gear
- reviewed HASP

1120 Met w/ Sierra of Barr to go over areas in need of final inspection.

1130 Began inspection

Inspected the following:

A-026 thru A-048

C-025 thru C-047

D-001 thru D-030

E-059 thru E-099

F-062 thru F-104

G-050 thru G-078

H-020 thru H-047 (formerly labeled as ~~H~~^J)

→ H-001 will correspond to H-020

J-016 thru J-021 (Cupola 1)

L-001 thru L-006

1200 Noted black spotting on door jams around office/warehouse doors. Would not come off w/ hand wiping/paint scraper. Most likely mold related.

12/7/23

Chemfab

2806MO1070

1230 Finished warehouse inspection. All areas have been cleaned & inspected by both Barr & Atlas.

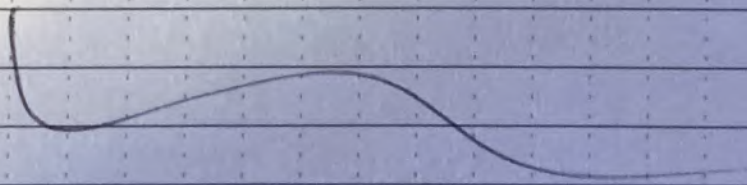
- Noted poly around HVAC area that is outside of the CAP area but has visible black residue on it above office cut-in area.

1300 Inspected downstairs office areas.

Room to the right upon entry to building through the main door is being used as storage for removed rug/ceiling tile. CT Hiale waiting for additional roll offs before insulation & office materials can be removed. Supposed to show up week of 12/11.

1315 Will return on 12/8 to finish office inspections as Barr has not completed initial assessments.

1330 DD offsite



~~12/7/23~~

12/8/23 Chemfab 2806M01070
Address: 1030 Water St. Bennington
GC: CT Male (not on site)
Subs: Barr Engineering, The Precision Group (TPG)
Task: Final Inspection

1145 DD onsite
- reviewed HASP

1200 Began inspecting offices & final warehouse areas.

- E-100 thru E-127
↳ included refrigeration & shelving units

units

- passed all office areas

- small 1'x1' piece of mg on upstairs closet around asbestos pipe not removed.

- All other ceiling tile & mg removed as well as asbestos containing tile in downstairs east offices.

- All walls have been wiped & cleaned

- All warehouse & office spaces have been inspected & passed.

1330 DD offsite

PHOTOGRAPHS

Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #1

Description:
Wood paneling along
east wall when
entering warehouse.



Photograph #2

Description:
Floor of the central
southern area of the
warehouse.



PHOTOGRAPHS

Client Name:
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Plastics*

Site Location:
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1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #3

Description:
"A" wall (west) lower
paneling in southern
portion of the
warehouse.



Photograph #4

Description:
Clean ceiling tile in
center of the
southern area of the
warehouse.



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PHOTOGRAPHS



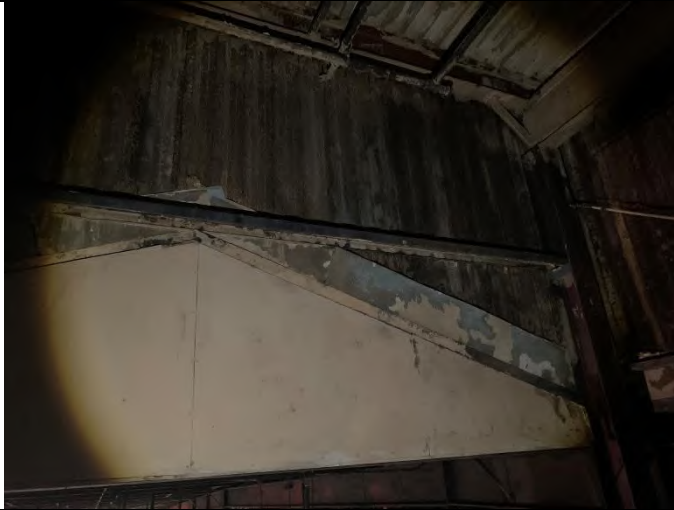
Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #5

Description:
Representative side
wall of Cupola 1.



Photograph #6

Description:
Some brown staining
on upper portion of
the "A" wall in the
southern section of
the warehouse. Not
believed to be PFOA-
related.



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PHOTOGRAPHS



Client Name:
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Saint Gobain Performance
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Site Location:
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1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #7

Description:
Insulation pile
awaiting disposal.
Contractor waiting for
new roll offs.



Photograph #8

Description:
Loft section in the
southeastern corner
of the warehouse.



PHOTOGRAPHS

Client Name:
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Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #9

Description:
Top of the
refrigeration area in
the southeast corner
of the warehouse.



Photograph #10

Description:
Representative floor
area in the southeast
corner of the
warehouse.



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PHOTOGRAPHS



Client Name:
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Site Location:
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1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #11

Description:
Catwalk above
refrigeration area.



Photograph #12

Description:
Shelving unit in the
middle of the
southern portion of
the warehouse.



PHOTOGRAPHS

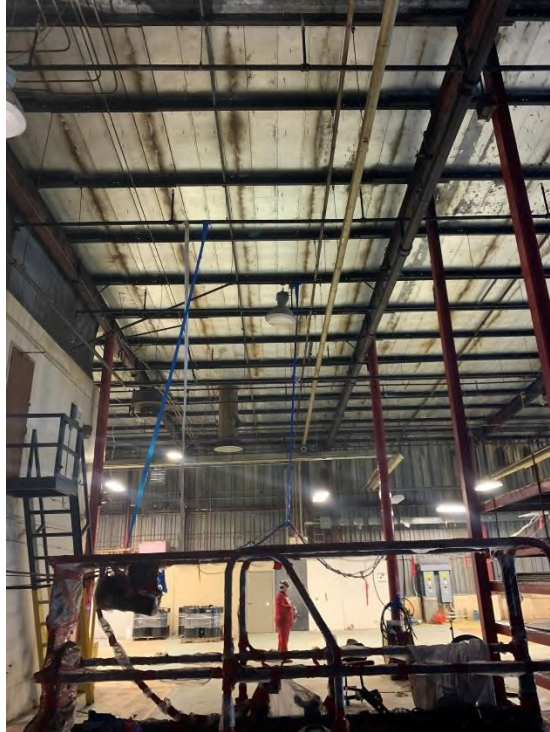
Client Name:
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Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #13

Description:
Ceiling tile in the
southern section of
the warehouse.



Photograph #14

Description:
North wall of cutout
area in southern
section of
warehouse.



PHOTOGRAPHS

Client Name:
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Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
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Atlas Project #:
280EM01070

Photograph #15

Description:
Upper sheet metal
along "C" wall (east)
located south of
cupola I.



Photograph #16

Description:
Stacked ceiling tile
awaiting removal.



PHOTOGRAPHS

Client Name:
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Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
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Atlas Project #:
280EM01070

Photograph #17

Description:

Black residue on door jams of downstairs office area. Most likely mold. Did not come off with scraper/wipes.



Photograph #18

Description:

Floor beneath asbestos-containing tile post-removal in downstairs east office area.



PHOTOGRAPHS

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Plastics*

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Atlas Project #:
280EM01070

Photograph #19

Description:
Floor beneath
asbestos-containing
tile post-removal in
downstairs east
office area.



Photograph #20

Description:
Entrance hall post-
cleaning and removal
of ceiling tile.



PHOTOGRAPHS

Client Name:
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Site Location:
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Atlas Project #:
280EM01070

Photograph #21

Description:
Representative
downstairs office
ceiling post-removal
of ceiling tile.



Photograph #22

Description:
Representative
downstairs wall in
office area post-
cleaning/ceiling tile
removal.



PHOTOGRAPHS



Client Name:
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Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #23

Description:
Representative floor
in upstairs area post
rug removal.



Photograph #24

Description:
Representative
upstairs office wall
post rug/ceiling tile
removal and
cleaning.



PHOTOGRAPHS



Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #25

Description:
Upstairs hallway post
cleaning and ceiling
tile removal.



Photograph #26

Description:
Small piece of rug
leftover around
asbestos containing
pipe in upstairs
closet.



PHOTOGRAPHS

Client Name:
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Saint Gobain Performance
Plastics*

Site Location:
*Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont*

Atlas Project #:
280EM01070

Photograph #27

Description:
Upstairs office walls
and floor post
cleaning (lobby
area).



Photograph #28

Description:
Downstairs room
with rugs and ceiling
tile awaiting removal.



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PHOTOGRAPHS



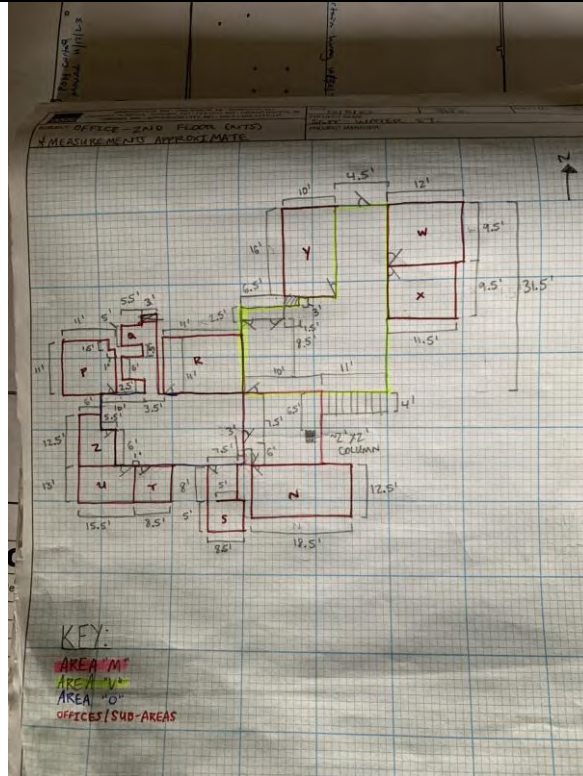
Client Name:
*Former Chemfab Facility-
Saint Gobain Performance
Plastics*

Site Location:
Former Chemfab Facility
1030 Water Street,
North Bennington, Vermont

Atlas Project #:
280EM01070

Photograph #29

Description:
Map used by Barr representative to plot out upstairs office space.





ANALYTICAL REPORT

PREPARED FOR

Attn: Scott Kramer
Precision Maintenance, Inc
110 Erie Boulevard
Schenectady, New York 12308

Generated 12/7/2023 10:15:48 AM

JOB DESCRIPTION

PFAS Testing

JOB NUMBER

410-152827-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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12/7/2023 10:15:48 AM

Authorized for release by
Kristin Sears, Operations Support Specialist
Kristin.Sears@et.eurofinsus.com
(717)556-9424

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

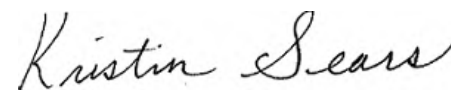


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Definitions/Glossary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Job ID: 410-152827-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-152827-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 11/30/2023 9:35 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C

PFAS

Method 537_DI: The recovery for the labeled isotope(s) M2-4:2 FTS, M2-8:2 FTS, 13C4 PFHpA, 13C8 PFOA, 13C3 PFHxS and 13C5 PFHxA in the following sample: 001 (410-152827-1) is outside the QC acceptance limits due to the matrix of the sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Client Sample ID: 001

Lab Sample ID: 410-152827-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	2900		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorobutanoic acid (PFBA)	37000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorodecanoic acid (PFDA)	11000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorododecanoic acid (PFDoA)	6400		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluoroheptanoic acid (PFHpA)	340000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorohexanoic acid (PFHxA)	270000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorononanoic acid (PFNA)	18000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluoropentanoic acid (PFPeA)	40000		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	6500		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorotridecanoic acid (PFTrIA)	2700		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluoroundecanoic acid (PFUnA)	3300		1000	1000	ng/L	1		EPA 537 (mod)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	33000000		100000	100000	ng/L	100		EPA 537 (mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Client Sample ID: 001

Lab Sample ID: 410-152827-1

Date Collected: 11/29/23 11:00

Matrix: Water

Date Received: 11/30/23 09:35

Method: EPA 537 (mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
6:2 FTS	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
8:2 FTS	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
NMeFOSA	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorobutanesulfonic acid (PFBS)	2900		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorobutanoic acid (PFBA)	37000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorodecanoic acid (PFDA)	11000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorododecanoic acid (PFDoA)	6400		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluoroheptanoic acid (PFHpA)	340000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorohexanoic acid (PFHxA)	270000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorononanesulfonic acid (PFNS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorononanoic acid (PFNA)	18000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorooctanesulfonamide (FOSA)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluoropentanoic acid (PFPeA)	40000		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorotetradecanoic acid (PFTeA)	6500		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluorotridecanoic acid (PFTriA)	2700		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1
Perfluoroundecanoic acid (PFUnA)	3300		1000	1000	ng/L		12/05/23 11:53	12/05/23 16:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	272	*5+ cn	46 - 166	12/05/23 11:53	12/05/23 16:30	1
M2-6:2 FTS	76		45 - 167	12/05/23 11:53	12/05/23 16:30	1
M2-8:2 FTS	211	*5+ cn	58 - 158	12/05/23 11:53	12/05/23 16:30	1
13C2 PFTeDA	120		33 - 150	12/05/23 11:53	12/05/23 16:30	1
13C3 PFBS	119		63 - 160	12/05/23 11:53	12/05/23 16:30	1
13C4 PFBA	115		67 - 136	12/05/23 11:53	12/05/23 16:30	1
13C4 PFHpA	174	*5+ cn	60 - 150	12/05/23 11:53	12/05/23 16:30	1
13C5 PFPeA	113		63 - 139	12/05/23 11:53	12/05/23 16:30	1
13C8 PFOA	44	*5- cn	62 - 146	12/05/23 11:53	12/05/23 16:30	1
13C8 PFOS	115		64 - 141	12/05/23 11:53	12/05/23 16:30	1
d5-NEtFOSAA	107		34 - 178	12/05/23 11:53	12/05/23 16:30	1
13C3 PFHxS	174	*5+ cn	57 - 159	12/05/23 11:53	12/05/23 16:30	1
13C5 PFHxA	159	*5+ cn	50 - 156	12/05/23 11:53	12/05/23 16:30	1
13C6 PFDA	114		64 - 141	12/05/23 11:53	12/05/23 16:30	1
13C7 PFUnA	122		27 - 168	12/05/23 11:53	12/05/23 16:30	1
13C8 FOSA	107		46 - 150	12/05/23 11:53	12/05/23 16:30	1
13C2-PFDoDA	133		29 - 158	12/05/23 11:53	12/05/23 16:30	1
13C9 PFNA	120		60 - 142	12/05/23 11:53	12/05/23 16:30	1
d3-NMePFOSA	101		36 - 151	12/05/23 11:53	12/05/23 16:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Client Sample ID: 001

Lab Sample ID: 410-152827-1

Date Collected: 11/29/23 11:00

Matrix: Water

Date Received: 11/30/23 09:35

Method: EPA 537 (mod) - EPA 537 Isotope Dillution - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	33000000		100000	100000	ng/L		12/05/23 11:53	12/06/23 04:15	100
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 PFOA	119		62 - 146				12/05/23 11:53	12/06/23 04:15	100

Isotope Dilution Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method: EPA 537 (mod) - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M242FTS (46-166)	M262FTS (45-167)	M282FTS (58-158)	PFTDA (33-150)	C3PFBS (63-160)	PFBA (67-136)	C4PFHA (60-150)	PFPeA (63-139)
410-152827-1	001	272 *5+ cn	76	211 *5+ cn	120	119	115	174 *5+ cn	113
410-152827-1 - DL	001								
LCS 410-450260/2-A	Lab Control Sample	115	117	116	107	112	112	130	112
LCSD 410-450260/3-A	Lab Control Sample Dup	116	118	111	107	113	114	126	114
MB 410-450260/1-A	Method Blank	89	83	83	87	89	89	101	87

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C8PFOA (62-146)	C8PFOS (64-141)	d5NEFOS (34-178)	C3PFHS (57-159)	13C5PHA (50-156)	C6PFDA (64-141)	13C7PUA (27-168)	PFOSA (46-150)
410-152827-1	001	44 *5- cn	115	107	174 *5+ cn	159 *5+ cn	114	122	107
410-152827-1 - DL	001	119							
LCS 410-450260/2-A	Lab Control Sample	114	115	100	120	117	113	117	114
LCSD 410-450260/3-A	Lab Control Sample Dup	114	112	104	121	120	112	116	114
MB 410-450260/1-A	Method Blank	87	89	93	91	95	85	96	88

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDODA (29-158)	C9PFNA (60-142)	d3NMFSA (36-151)					
410-152827-1	001	133	120	101					
410-152827-1 - DL	001								
LCS 410-450260/2-A	Lab Control Sample	106	117	103					
LCSD 410-450260/3-A	Lab Control Sample Dup	106	117	102					
MB 410-450260/1-A	Method Blank	86	89	84					

Surrogate Legend

M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
PFPeA = 13C5 PFPeA
C8PFOA = 13C8 PFOA
C8PFOS = 13C8 PFOS
d5NEFOS = d5-NEtFOSAA
C3PFHS = 13C3 PFHxS
13C5PHA = 13C5 PFHxA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFOSA = 13C8 FOSA
PFDODA = 13C2-PFDODA
C9PFNA = 13C9 PFNA
d3NMFSA = d3-NMePFOSA

QC Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method: EPA 537 (mod) - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-450260/1-A

Matrix: Water

Analysis Batch: 450263

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 450260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
6:2 FTS	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
8:2 FTS	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
NMeFOSA	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorobutanoic acid (PFBA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorodecanoic acid (PFDA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorododecanoic acid (PFDoA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluoroheptanoic acid (PFHpA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorohexanoic acid (PFHxA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorononanesulfonic acid (PFNS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorononanoic acid (PFNA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorooctanesulfonamide (FOSA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorooctanoic acid (PFOA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluoropentanoic acid (PFPeA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluorotridecanoic acid (PFTriA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1
Perfluoroundecanoic acid (PFUnA)	ND		200	200	ng/L		12/05/23 11:53	12/06/23 04:03	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	89		46 - 166	12/05/23 11:53	12/06/23 04:03	1
M2-6:2 FTS	83		45 - 167	12/05/23 11:53	12/06/23 04:03	1
M2-8:2 FTS	83		58 - 158	12/05/23 11:53	12/06/23 04:03	1
13C2 PFTeDA	87		33 - 150	12/05/23 11:53	12/06/23 04:03	1
13C3 PFBS	89		63 - 160	12/05/23 11:53	12/06/23 04:03	1
13C4 PFBA	89		67 - 136	12/05/23 11:53	12/06/23 04:03	1
13C4 PFHpA	101		60 - 150	12/05/23 11:53	12/06/23 04:03	1
13C5 PFPeA	87		63 - 139	12/05/23 11:53	12/06/23 04:03	1
13C8 PFOA	87		62 - 146	12/05/23 11:53	12/06/23 04:03	1
13C8 PFOS	89		64 - 141	12/05/23 11:53	12/06/23 04:03	1
d5-NEtFOSAA	93		34 - 178	12/05/23 11:53	12/06/23 04:03	1
13C3 PFHxS	91		57 - 159	12/05/23 11:53	12/06/23 04:03	1
13C5 PFHxA	95		50 - 156	12/05/23 11:53	12/06/23 04:03	1
13C6 PFDA	85		64 - 141	12/05/23 11:53	12/06/23 04:03	1
13C7 PFUnA	96		27 - 168	12/05/23 11:53	12/06/23 04:03	1
13C8 FOSA	88		46 - 150	12/05/23 11:53	12/06/23 04:03	1
13C2-PFDoDA	86		29 - 158	12/05/23 11:53	12/06/23 04:03	1
13C9 PFNA	89		60 - 142	12/05/23 11:53	12/06/23 04:03	1
d3-NMePFOSA	84		36 - 151	12/05/23 11:53	12/06/23 04:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method: EPA 537 (mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-450260/2-A

Matrix: Water

Analysis Batch: 450263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4:2 FTS	5980	4900		ng/L		82	62 - 126
6:2 FTS	6070	4890		ng/L		81	63 - 142
8:2 FTS	6130	4760		ng/L		78	55 - 144
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	6400	4970		ng/L		78	54 - 123
NMeFOSA	6400	5420		ng/L		85	54 - 150
Perfluorobutanesulfonic acid (PFBS)	5660	4180		ng/L		74	44 - 131
Perfluorobutanoic acid (PFBA)	6400	4970		ng/L		78	53 - 144
Perfluorodecanesulfonic acid (PFDS)	6170	5200		ng/L		84	51 - 146
Perfluorodecanoic acid (PFDA)	6400	4920		ng/L		77	57 - 129
Perfluorododecanoic acid (PFDoA)	6400	5000		ng/L		78	59 - 133
Perfluoroheptanesulfonic acid (PFHpS)	6090	4320		ng/L		71	54 - 138
Perfluoroheptanoic acid (PFHpA)	6400	4590		ng/L		72	59 - 135
Perfluorohexanesulfonic acid (PFHxS)	5840	4360		ng/L		75	51 - 129
Perfluorohexanoic acid (PFHxA)	6400	4720		ng/L		74	52 - 133
Perfluorononanesulfonic acid (PFNS)	6140	5250		ng/L		85	57 - 139
Perfluorononanoic acid (PFNA)	6400	5160		ng/L		81	54 - 137
Perfluorooctanesulfonamide (FOSA)	6400	5370		ng/L		84	38 - 132
Perfluorooctanesulfonic acid (PFOS)	5920	4540		ng/L		77	54 - 125
Perfluorooctanoic acid (PFOA)	6400	4800		ng/L		75	54 - 130
Perfluoropentanesulfonic acid (PFPeS)	6000	4280		ng/L		71	54 - 140
Perfluoropentanoic acid (PFPeA)	6400	4860		ng/L		76	53 - 150
Perfluorotetradecanoic acid (PFTeA)	6400	4770		ng/L		74	56 - 137
Perfluorotridecanoic acid (PFTriA)	6400	4960		ng/L		78	57 - 140
Perfluoroundecanoic acid (PFUnA)	6400	4750		ng/L		74	58 - 133

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	115		46 - 166
M2-6:2 FTS	117		45 - 167
M2-8:2 FTS	116		58 - 158
13C2 PFTeDA	107		33 - 150
13C3 PFBS	112		63 - 160
13C4 PFBA	112		67 - 136
13C4 PFHpA	130		60 - 150
13C5 PFPeA	112		63 - 139
13C8 PFOA	114		62 - 146
13C8 PFOS	115		64 - 141
d5-NEtFOSAA	100		34 - 178
13C3 PFHxS	120		57 - 159
13C5 PFHxA	117		50 - 156

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method: EPA 537 (mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-450260/2-A

Matrix: Water

Analysis Batch: 450263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450260

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C6 PFDA	113		64 - 141
13C7 PFUnA	117		27 - 168
13C8 FOSA	114		46 - 150
13C2-PFDoDA	106		29 - 158
13C9 PFNA	117		60 - 142
d3-NMePFOSA	103		36 - 151

Lab Sample ID: LCSD 410-450260/3-A

Matrix: Water

Analysis Batch: 450263

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 450260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4:2 FTS	5980	4870		ng/L		81	62 - 126	1	30
6:2 FTS	6070	4590		ng/L		76	63 - 142	6	30
8:2 FTS	6130	4630		ng/L		75	55 - 144	3	30
N-ethylperfluorooctanesulfonami doacetic acid (NETFOSAA)	6400	4530		ng/L		71	54 - 123	9	30
NMeFOSA	6400	5380		ng/L		84	54 - 150	1	30
Perfluorobutanesulfonic acid (PFBS)	5660	4080		ng/L		72	44 - 131	2	30
Perfluorobutanoic acid (PFBA)	6400	4790		ng/L		75	53 - 144	4	30
Perfluorodecanesulfonic acid (PFDS)	6170	4730		ng/L		77	51 - 146	9	30
Perfluorodecanoic acid (PFDA)	6400	4840		ng/L		76	57 - 129	2	30
Perfluorododecanoic acid (PFDoA)	6400	4740		ng/L		74	59 - 133	6	30
Perfluoroheptanesulfonic acid (PFHpS)	6090	4230		ng/L		69	54 - 138	2	30
Perfluoroheptanoic acid (PFHpA)	6400	4610		ng/L		72	59 - 135	1	30
Perfluorohexanesulfonic acid (PFHxS)	5840	4270		ng/L		73	51 - 129	2	30
Perfluorohexanoic acid (PFHxA)	6400	4720		ng/L		74	52 - 133	0	30
Perfluorononanesulfonic acid (PFNS)	6140	5030		ng/L		82	57 - 139	4	30
Perfluorononanoic acid (PFNA)	6400	4960		ng/L		78	54 - 137	4	30
Perfluorooctanesulfonamide (FOSA)	6400	5320		ng/L		83	38 - 132	1	30
Perfluorooctanesulfonic acid (PFOS)	5920	4450		ng/L		75	54 - 125	2	30
Perfluorooctanoic acid (PFOA)	6400	4770		ng/L		75	54 - 130	1	30
Perfluoropentanesulfonic acid (PFPeS)	6000	4290		ng/L		72	54 - 140	0	30
Perfluoropentanoic acid (PFPeA)	6400	4840		ng/L		76	53 - 150	0	30
Perfluorotetradecanoic acid (PFTeA)	6400	4620		ng/L		72	56 - 137	3	30
Perfluorotridecanoic acid (PFTriA)	6400	4890		ng/L		76	57 - 140	2	30
Perfluoroundecanoic acid (PFUnA)	6400	4550		ng/L		71	58 - 133	4	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-4:2 FTS	116		46 - 166

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method: EPA 537 (mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-450260/3-A

Matrix: Water

Analysis Batch: 450263

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 450260

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	118		45 - 167
M2-8:2 FTS	111		58 - 158
13C2 PFTeDA	107		33 - 150
13C3 PFBS	113		63 - 160
13C4 PFBA	114		67 - 136
13C4 PFHpA	126		60 - 150
13C5 PFPeA	114		63 - 139
13C8 PFOA	114		62 - 146
13C8 PFOS	112		64 - 141
d5-NEtFOSAA	104		34 - 178
13C3 PFHxS	121		57 - 159
13C5 PFHxA	120		50 - 156
13C6 PFDA	112		64 - 141
13C7 PFUnA	116		27 - 168
13C8 FOSA	114		46 - 150
13C2-PFDoDA	106		29 - 158
13C9 PFNA	117		60 - 142
d3-NMePFOSA	102		36 - 151

QC Association Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

LCMS

Prep Batch: 450260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-152827-1	001	Total/NA	Water	537	
410-152827-1 - DL	001	Total/NA	Water	537	
MB 410-450260/1-A	Method Blank	Total/NA	Water	537	
LCS 410-450260/2-A	Lab Control Sample	Total/NA	Water	537	
LCSD 410-450260/3-A	Lab Control Sample Dup	Total/NA	Water	537	

Analysis Batch: 450263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-152827-1	001	Total/NA	Water	EPA 537 (mod)	450260
410-152827-1 - DL	001	Total/NA	Water	EPA 537 (mod)	450260
MB 410-450260/1-A	Method Blank	Total/NA	Water	EPA 537 (mod)	450260
LCS 410-450260/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (mod)	450260
LCSD 410-450260/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (mod)	450260

Lab Chronicle

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Client Sample ID: 001

Lab Sample ID: 410-152827-1

Date Collected: 11/29/23 11:00

Matrix: Water

Date Received: 11/30/23 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537			450260	AZ5J	ELLE	12/05/23 11:53
Total/NA	Analysis	EPA 537 (mod)		1	450263	DS2G	ELLE	12/05/23 16:30
Total/NA	Prep	537	DL		450260	AZ5J	ELLE	12/05/23 11:53
Total/NA	Analysis	EPA 537 (mod)	DL	100	450263	DS2G	ELLE	12/06/23 04:15

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9930	01-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537 (mod)	537	Water	4:2 FTS
EPA 537 (mod)	537	Water	6:2 FTS
EPA 537 (mod)	537	Water	8:2 FTS
EPA 537 (mod)	537	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
EPA 537 (mod)	537	Water	NMeFOSA
EPA 537 (mod)	537	Water	Perfluorobutanesulfonic acid (PFBS)
EPA 537 (mod)	537	Water	Perfluorobutanoic acid (PFBA)
EPA 537 (mod)	537	Water	Perfluorodecanesulfonic acid (PFDS)
EPA 537 (mod)	537	Water	Perfluorodecanoic acid (PFDA)
EPA 537 (mod)	537	Water	Perfluorododecanoic acid (PFDoA)
EPA 537 (mod)	537	Water	Perfluoroheptanesulfonic acid (PFHpS)
EPA 537 (mod)	537	Water	Perfluoroheptanoic acid (PFHpA)
EPA 537 (mod)	537	Water	Perfluorohexanesulfonic acid (PFHxS)
EPA 537 (mod)	537	Water	Perfluorohexanoic acid (PFHxA)
EPA 537 (mod)	537	Water	Perfluorononanesulfonic acid (PFNS)
EPA 537 (mod)	537	Water	Perfluorononanoic acid (PFNA)
EPA 537 (mod)	537	Water	Perfluorooctanesulfonamide (FOSA)
EPA 537 (mod)	537	Water	Perfluorooctanesulfonic acid (PFOS)
EPA 537 (mod)	537	Water	Perfluorooctanoic acid (PFOA)
EPA 537 (mod)	537	Water	Perfluoropentanesulfonic acid (PFPeS)
EPA 537 (mod)	537	Water	Perfluoropentanoic acid (PFPeA)
EPA 537 (mod)	537	Water	Perfluorotetradecanoic acid (PFTeA)
EPA 537 (mod)	537	Water	Perfluorotridecanoic acid (PFTriA)
EPA 537 (mod)	537	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Method	Method Description	Protocol	Laboratory
EPA 537 (mod)	EPA 537 Isotope Dllution	EPA	ELLE
537	537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Precision Maintenance, Inc
Project/Site: PFAS Testing

Job ID: 410-152827-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-152827-1	001	Water	11/29/23 11:00	11/30/23 09:35

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Login Sample Receipt Checklist

Client: Cash in Advance (Lancaster)

Job Number: 410-152827-1

Login Number: 152827

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

Appendix E-3

Wash Water

Waste Manifests and Bills of Lading

364093

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NONEREQUIRED	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 019307143 FLE	
5. Generator Name and Address Saint-Denis Performance Plastics 14 McCaffery Street Hoosick Falls, NY 12090 (518) 786-7400 ATTN: Jonathan Dibbert			Generator's Site Address (if different than mailing address) 1030 Water Street North Bennington, VT 05257			
6. Transporter 1 Company Name Goulet Trucking Inc			U.S. EPA ID Number MAC300006038			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0 Facility's Phone: (519) 864-1021			U.S. EPA ID Number WIR000035204			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1.	NOT REGULATED BY DOT	1	TT	5500	G
	2.					
	3.					
13. Waste Codes						
14. Special Handling Instructions and Additional Information 1. CH2701624						
Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety. 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Kenn S. Decker			Signature 		Month Day Year 01 29 24	
TRANSPORTER INT'L	16. International Shipments ☐ Import to U.S. ☒ Export from U.S.		Port of entry/exit: Quebec, Canada			
	Transporter signature (for exports only):		Date leaving U.S.: 1-30-24			
	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name Jim Harris		Signature 		Month Day Year 01 29 24	
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year	
	18. Discrepancy					
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H040		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Eric Toth			Signature 		Month Day Year 01 31 24	



42 Longwater Drive
P.O. Box 9149
Norwell, MA 02061-9149

TASK 2400466872-003 - CH2701624, PFAS impacted wash water VIA GOULET TO SU

Manifest	Item ID	Description	Manifest	Manifest
Info			Qty	UOM

29 Jan 2024

019307143FLE	DISPSL /	PFAS impacted wash water	20,820	KG	35,765.000	LBS
1	A22K	CH2701624				
019307143FLE	TRAN	TRANSPORTATION			1.000	EA