

Remedial Action Report – Forrest Street Properties (AOC FSP-1C, AOC FSP-1D, AOC FSP-1E, AOC FSP-1F, AOC FSP-1G, AOC FSP-1H, AOC FSP-1I, AOC FSP-1J, and AOC FSP-1K) Soil, Current-Use, Final, Revision 2
Garfield Avenue Group
PPG, Jersey City, New Jersey

Appendix F

Permits and Approvals

**Hudson-Essex-Passaic Soil Conservation District
Soil Erosion and Sediment Control Plan (SESCP)
Approval - February 2017**

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT



80 ORCHARD STREET
BLOOMFIELD, NJ 07003-5104
Telephone: (862) 333-4505
Fax: (862) 333-4507
www.hepsoilnj.org

February 10, 2017

Ms. Jody Overmyer
PPG
440 College Park Dr.
Monroeville, PA 15146

Re: **PPG Phases 4 & 5**
78-104 Halladay St; 84,86,98 Forrest St; 33 Pacific Ave; Jersey City, NJ
Block: 21501; 21509; 21502 Lot: 11,12,14,15; 3; 12-17
HEPSCD 251 ID Code #217-H-3824, plan dated 1/11/17

Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) & obtain a Report of Compliance prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
-
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

A handwritten signature in black ink that reads "Matthew J. Ward".

Matthew J. Ward
Chairman

Cc: Planner, Municipality, County



For District Use Only

217-H-3824
Certified: 2/10/17
SCD Cert Code: N/A Discharge to POTW

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (N.J.S.A. 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project PPG Phases 4 and 5		Project Location: Municipality Jersey City, Hudson County	
Project Street Address <small>Forrest St, Halladay St, North, 84, 86, 98 Forrest Street, 33 Pacific Avenue, 78-104 Halladay Street</small>		Block Roadways: 21501; 21509; 21502	Lot Roadways: 11, 12, 14, and 15; 3, 12 thru 17
Project Owner(s) Name PPG		Email Jody Overmyer Overmyer@ppg.com	Phone # 724-325-5070 Fax #
Project Owner(s) Street Address (No P.O. Box Numbers) 440 College Park Drive		City Monroeville	State PA Zip 15146
Total Area of Project (Acres) 4.6	Total Area or Land to be Disturbed (Acres) 4.6	No. Dwelling or other Units N/A - Cat.D	Fee \$ 1800.00
Plans Prepared by* Hue N. Quan, P.E./AECOM			Phone # 732-564-3631 Fax # 732-369-0122
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854
Agent Responsible During Construction AECOM		Email Hue.Quan@aecom.com	
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631 Fax # 732-369-0122

*(Engineering related items of the Soil Erosion and Sediment Control Plan **MUST** be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature: <u>Jody Overmyer</u> Date: <u>1/16/17</u> Applicant Name (Print) Jody Overmyer	3. Plan determined complete: Signature of District Official: _____ Date: _____
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official: <u>[Signature]</u> Date: <u>1/27/17</u>	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of District Official: <u>Matthew J. Ward</u> Date: <u>2/10/17</u>

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 1/2014

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED 48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN

This project ~~requires~~ / does not require the NJDEP 5G3 (RFA) permit prior to groundbreaking.
Stormwater to be discharged to POTW

PROJECT NAME: PPG PHASES 4 & 5

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 217-H-3824

PROJECT LOCATION: STREET ADDRESS: 78-104 Halladay; 84,86,98 Forrest;
33 Pacific

MUNICIPALITY: Jersey City

PPG/

PROJECT OWNER/APPLICANTS NAME: Jody Overmyer

ADDRESS: 440 College Park Drive, Monroeville, PA 15146

PHONE #: 724-325-5070 **FAX:** _____

E-MAIL: Overmyer@ppg.com **CELL#** _____

ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: Brady Bonsted / ENTACT

ADDRESS: 70 Carteret Avenue , Jersey City , New Jersey

PHONE #: _____ **FAX** _____

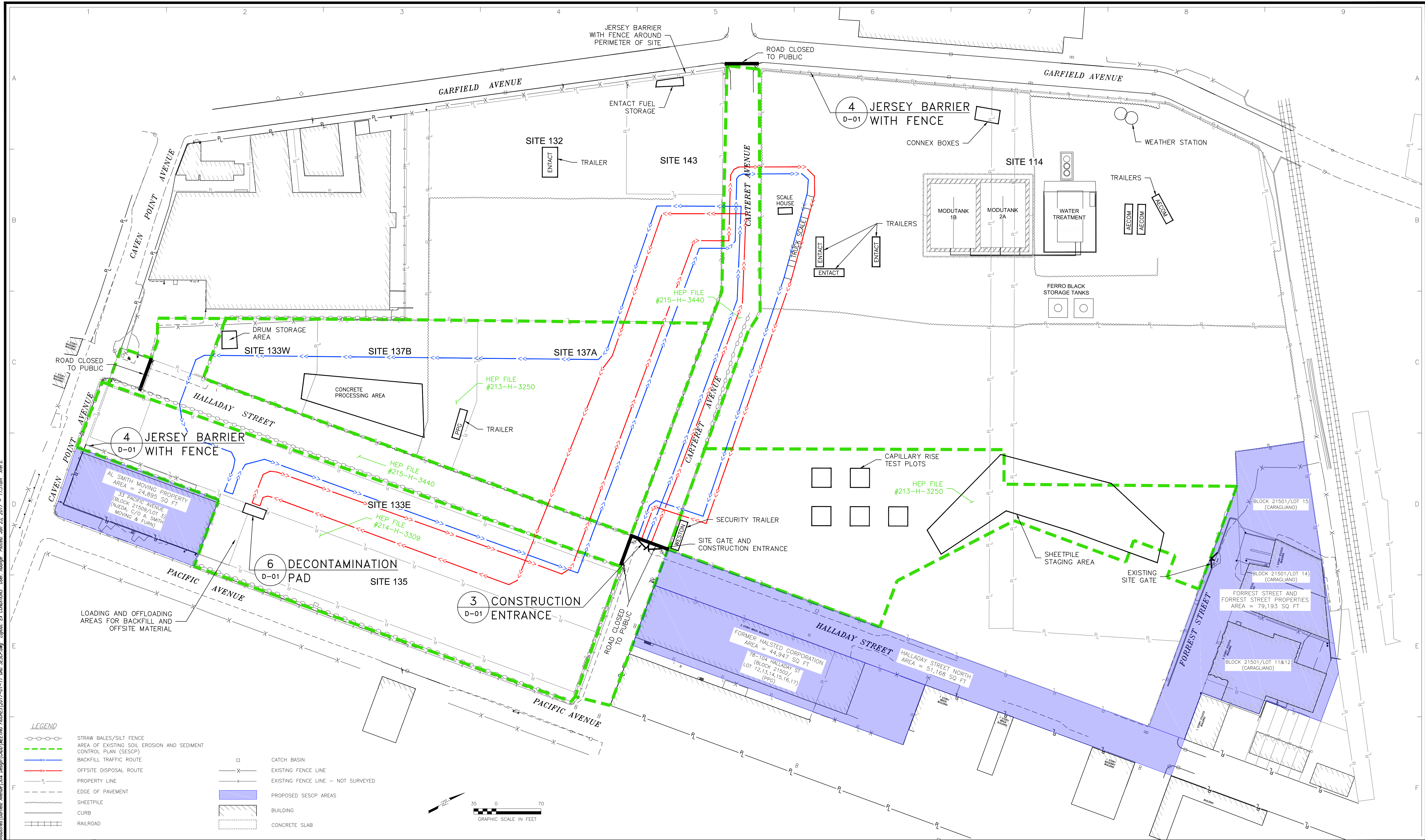
EMAIL : bbonsted@entact.com **CELL#** (630) 669-0216

PROJECT START DATE : March 8, 2017 ←

(including DEMOLITION, CLEARING, LAND GRADING) This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L 1975, and may result in additional fees.

**MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
80 ORCHARD ST.
BLOOMFIELD NJ 07003**

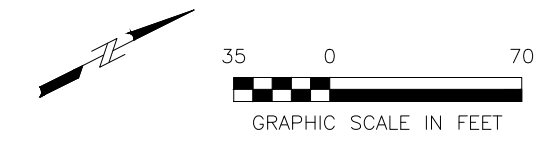
Or send via FAX: (862) 333-4507 or EMAIL: information@hepscd.org



File: P:\Jobs\Rem_Env\Project Files\PPG_Industries\Garfield Avenue\30% Design\PROCES\2017-01-11_GAG_SESCP.dwg Layout: EX CONDITIONS User: huang Date: Jan 26, 2017 11:51am xref's:

LEGEND

	STRAW BALES/SILT FENCE		CATCH BASIN
	AREA OF EXISTING SOIL EROSION AND SEDIMENT CONTROL PLAN (SESCP)		EXISTING FENCE LINE
	BACKFILL TRAFFIC ROUTE		EXISTING FENCE LINE - NOT SURVEYED
	OFFSITE DISPOSAL ROUTE		PROPOSED SESP AREAS
	PROPERTY LINE		BUILDING
	EDGE OF PAVEMENT		CONCRETE SLAB
	SHEETPILE		
	CURB		
	RAILROAD		



HUE N. QUAN, P.E.	7							
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NJ PROFESSIONAL ENGINEER 24GE04698500	0	EH	01/11/17	EXISTING CONDITIONS PLAN				
	NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD	DATE



AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 www.aecom.com
 NJ C.O.A. No.: 24GA28002200

PPG
 GARFIELD AVENUE GROUP OF SITES
 JERSEY CITY, NEW JERSEY

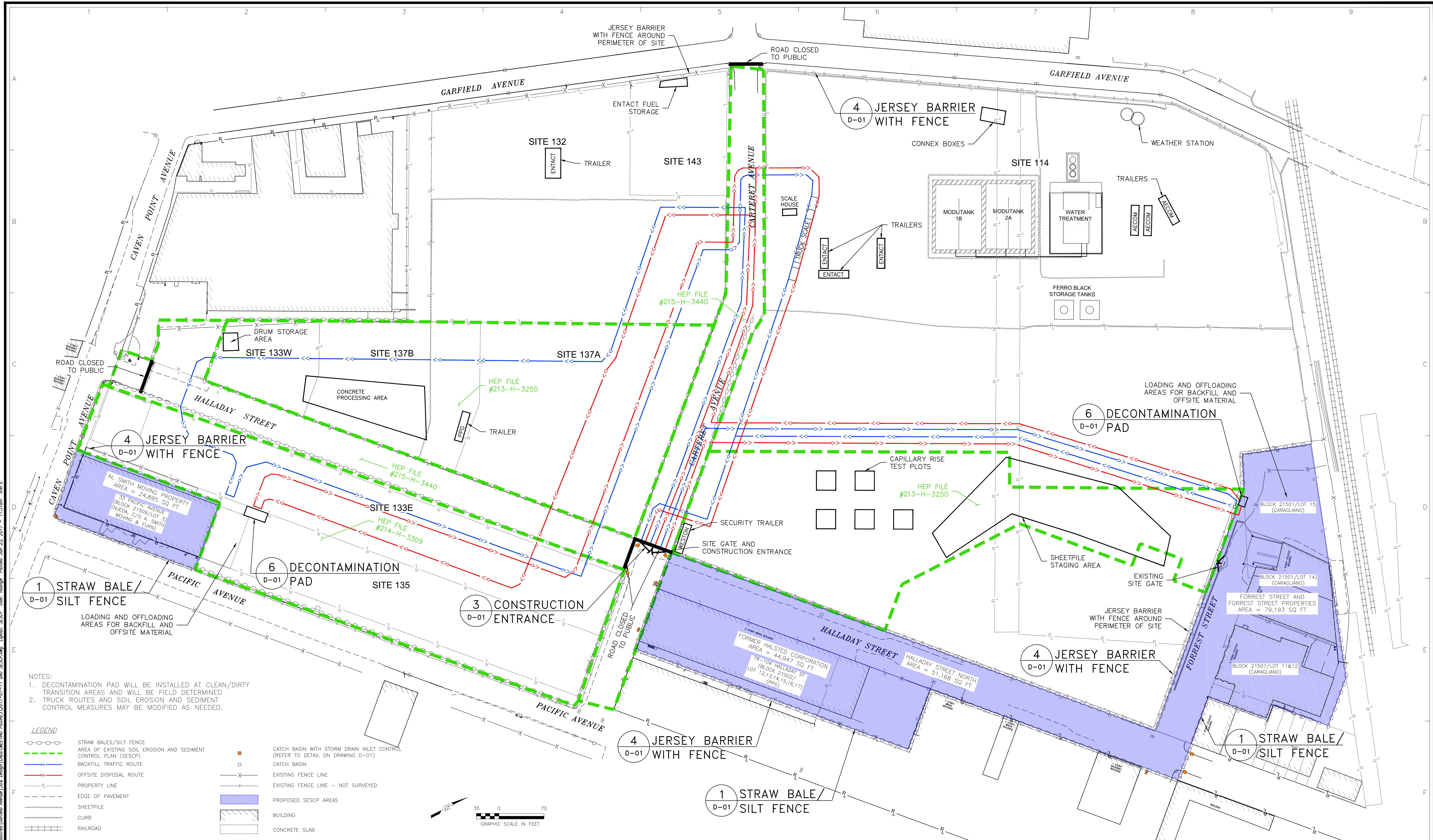
PROJ. NUMBER: 60314351

DATE: 01/11/2017

EXISTING CONDITIONS PLAN

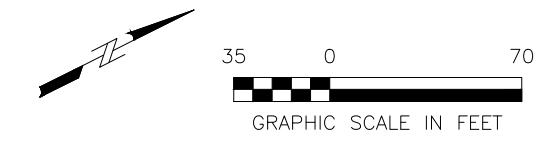
PHASES 4&5: FORMER HALSTED CORPORATION PROPERTY, FORREST STREET PROPERTIES,
 AL SMITH MOVING PROPERTY, HALLADAY STREET NORTH, AND FORREST STREET

DRAWING NUMBER:	ECP-01
SHEET NUMBER:	1 of 1
REVISION	0



NOTES:
 1. DECONTAMINATION PAD WILL BE INSTALLED AT CLEAN/DIRTY TRANSITION AREAS AND WILL BE FIELD DETERMINED
 2. TRUCK ROUTES AND SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED AS NEEDED.

LEGEND	
	STRAW BALES/SILT FENCE
	AREA OF EXISTING SOIL EROSION AND SEDIMENT CONTROL PLAN (SESCP)
	BACKFILL TRAFFIC ROUTE
	OFFSITE DISPOSAL ROUTE
	PROPERTY LINE
	EDGE OF PAVEMENT
	SHEETPILE
	CURB
	RAILROAD
	CATCH BASIN WITH STORM DRAIN INLET CONTROL (REFER TO DETAIL ON DRAWING D-01)
	CATCH BASIN
	EXISTING FENCE LINE
	EXISTING FENCE LINE - NOT SURVEYED
	PROPOSED SESP AREAS
	BUILDING
	CONCRETE SLAB



HUE N. QUAN, P.E.	7						
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NJ PROFESSIONAL ENGINEER 24GE04698500	0	EH	01/11/17	SOIL EROSION AND SEDIMENT CONTROL PLAN			
	NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD



PPG
 GARFIELD AVENUE GROUP OF SITES
 JERSEY CITY, NEW JERSEY

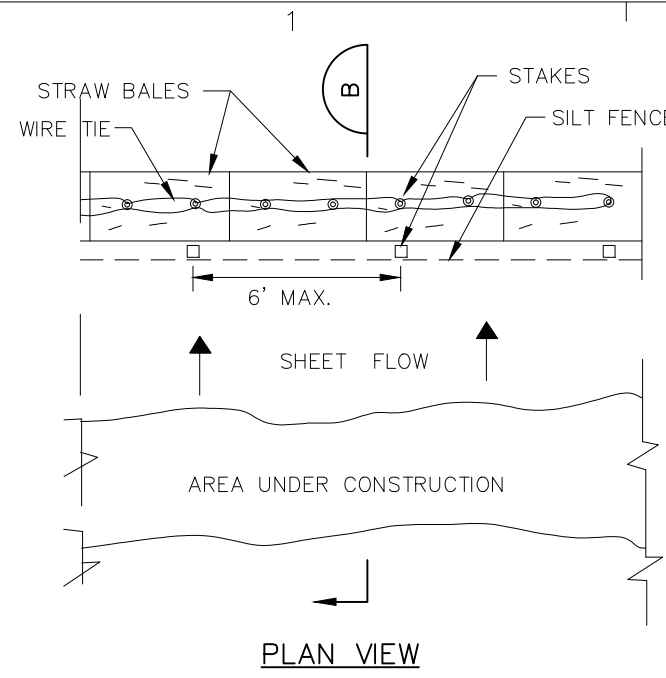
SOIL EROSION AND SEDIMENT CONTROL MEASURES

PROJ. NUMBER: 60314351 DATE: 01/11/2017

PHASES 4&5: FORMER HALSTED CORPORATION PROPERTY, FORREST STREET PROPERTIES, AL SMITH MOVING PROPERTY, HALLADAY STREET NORTH, AND FORREST STREET

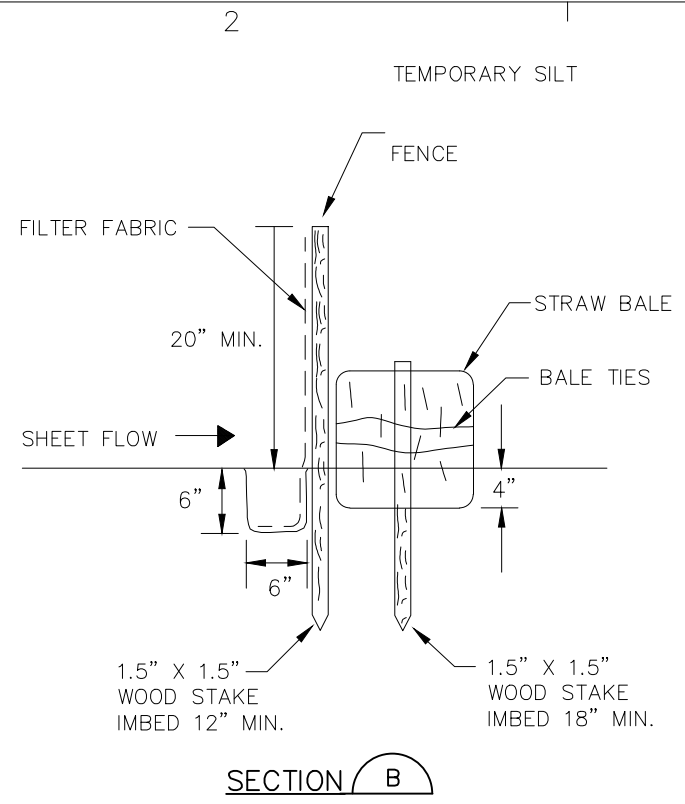
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SHEET NUMBER: 1 of 1
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1 STRAW BALE/SILT FENCE
ECP-02 NTS

- STRAW BALE INSTALLATION NOTES**
- EXCAVATE A 4" DEEP TRENCH TO MATCH THE WIDTH OF THE STRAW BALES.
 - PLACE BALES IN TRENCH WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 - ANCHOR BALES BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
 - ADJOINING BALES SHALL BE SECURELY TIED TOGETHER TO PREVENT MOVEMENT.
 - STRAW WATTLES MAY BE USED IN LIEU OF STRAW BALES. IF USED, WATTLES SHALL BE INSTALLED AND SECURED IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.
 - STRAW BALES SHOULD NOT BE USED FOR TURTLE EXCLUSION BARRIER.

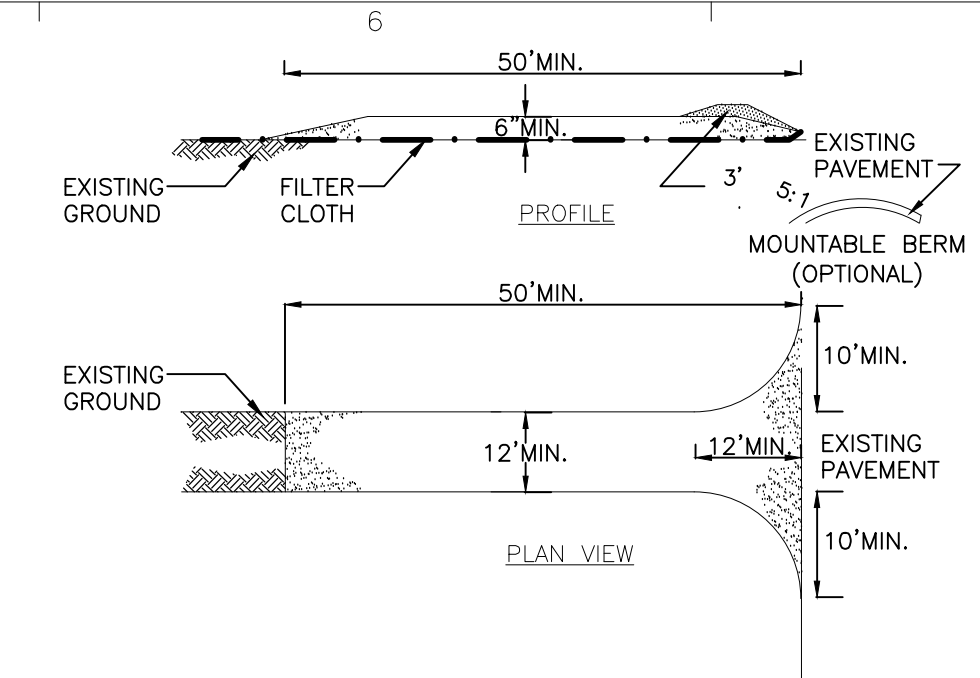


2 STORM DRAIN INLET PROTECTION
ECP-02 NTS

- INLET PROTECTION NOTES**
- INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II, OR EQUIVALENT, SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.
- MAINTENANCE: INSPECT AFTER EACH STORM EVENT AND AT REGULAR INTERVALS. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.

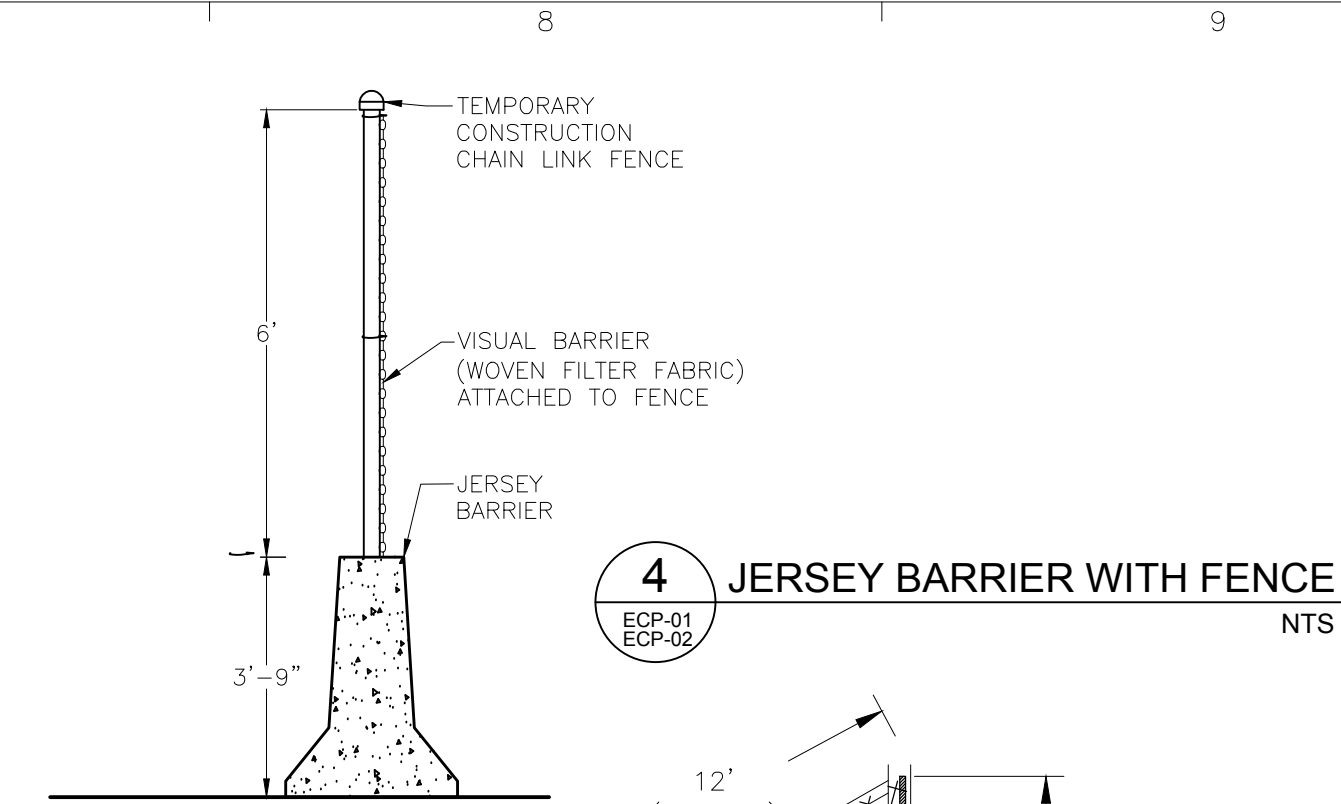
STOCKPILE AREA NOTES:

- STOCKPILES ARE TO BE LOCATED OUTSIDE OF THE FLOOD HAZARD AREA. IF THIS IS NOT FEASIBLE, THE STOCKPILE MUST BE ISOLATED FROM FLOOD WATER (i.e., BERMS MUST BE 1 FOOT HIGHER THAN THE 100-YEAR FLOOD ELEVATION)
- STOCKPILE AREA DIMENSIONS AND SHAPE MAY VARY. ACTUAL SIZE WILL BE DETERMINED BASED ON SITE CONDITIONS AND REQUIRED STORAGE AREA (SIZE WILL NOT EXCEED NUDEP-APPROVED LIMITATIONS). SUBCONTRACTOR SHALL DETERMINE FINAL SIZE OF AREA WITH APPROVAL BY SITE ENGINEER.
- EXISTING SUBGRADE SHALL BE FREE OF ANGULAR PROTRUSIONS. A TWO TO SIX-INCH LAYER OF CLEAN STRUCTURAL BACKFILL SHALL BE PLACED, GRADED TO DRAIN AND COMPACTED TO A FIRM UNYIELDING SURFACE PRIOR TO PLACEMENT OF LINER.
- STOCKPILE AREA IS TO BE GRADED TO POSITIVELY DRAIN TOWARDS THE STORMWATER COLLECTION AREA.
- CONTAINMENT BERMS SHALL BE CONSTRUCTED OF IMPORTED CLEAN SOIL. NO ON-SITE BORROW WILL BE AVAILABLE. PLACE STORMWATER CONTAINMENT BERM SOILS IN MAXIMUM OF 12" LIFTS.
- STORMWATER CONTAINMENT BERMS ARE TO BE MOISTURE CONDITIONED AND COMPACTED TO A FIRM, UNYIELDING CONDITION, AS DIRECTED BY THE SITE ENGINEER.
- INITIALLY, EXCAVATED SEDIMENT WILL BE CAREFULLY PLACED IN A 12" LIFT SO THAT EQUIPMENT DOES NOT DAMAGE LINER.
- DAILY INSPECTION AND MAINTENANCE OF THE STORMWATER CONTAINMENT BERMS ARE REQUIRED FOR THE DURATION OF THE PROJECT.
- STOCKPILED SOIL WILL BE COVERED WITH 10 MIL POLY SHEETING AT THE END OF EACH DAY AND WHEN NOT BEING WORKED ON.
- WHEN ONE-HALF (1/2) FULL, THE STORMWATER COLLECTION SUMP IS TO BE PUMPED OUT, COLLECTED STORMWATER TO BE CONTAINED AND DISPOSED OF AT THE DIRECTION OF THE SITE ENGINEER.
- SOLIDS ACCUMULATED IN THE SUMP WILL BE EXCAVATED PERIODICALLY AND PLACED ON THE WASTE MATERIAL STOCKPILE.
- UPON COMPLETION OF THE WORK, THE STOCKPILE AREA SHALL BE REMOVED, AND THE AREA GRADED.
- ANY DAMAGE TO STOCKPILE AREA MUST BE REPORTED TO THE SITE ENGINEER IMMEDIATELY.
- LINER SHALL BE 40 MIL HDPE, ONE SOLID SHEET, OR SHALL HAVE SEAMS WELDED PER MANUFACTURER'S RECOMMENDATIONS. NO OVERLAP WILL BE ACCEPTED.
- FLUSHMOUNT WELLS ARE TO BE PROTECTED DURING INSTALLATION AND REMOVAL OF STOCKPILE AREA. LINER IS TO BE PLACED OVER THE TOP OF THE WELLS.

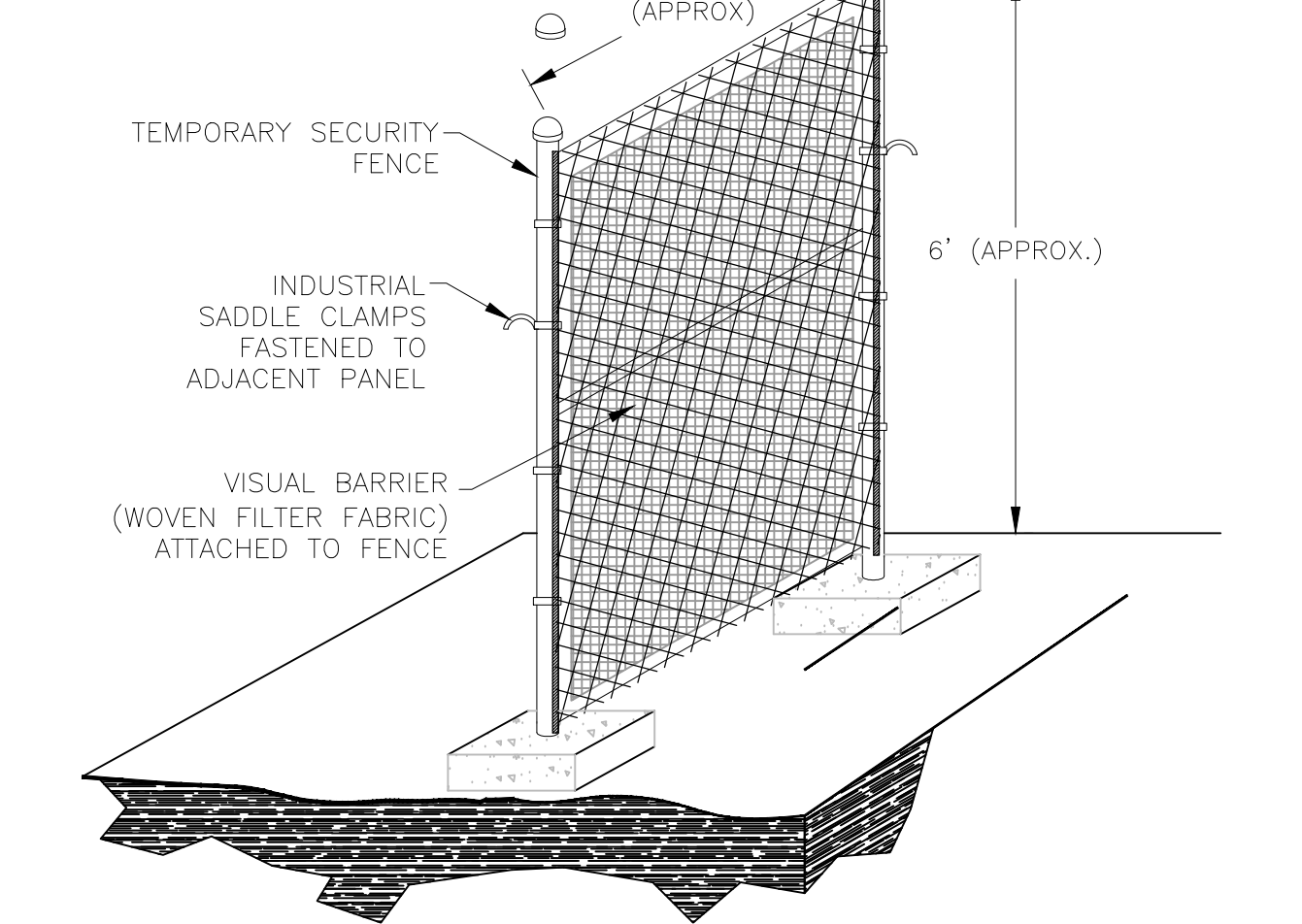


3 CONSTRUCTION ENTRANCE
ECP-01 ECP-02 NTS

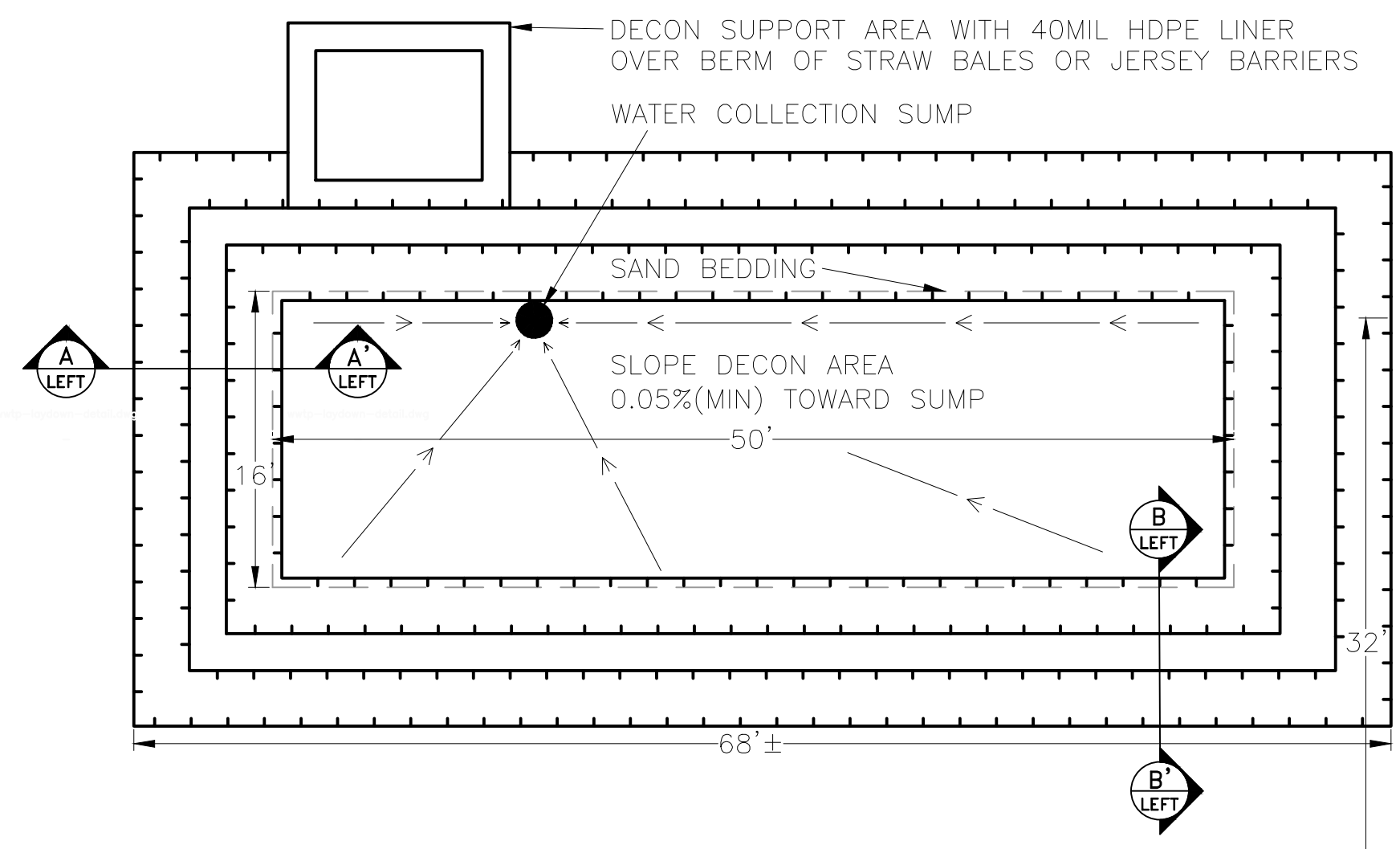
- CONSTRUCTION ENTRANCE SPECIFICATIONS**
- STONE SIZE - USE 2 1/2" STONE
 - LENGTH - NOT LESS THAN 50 FEET.
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.



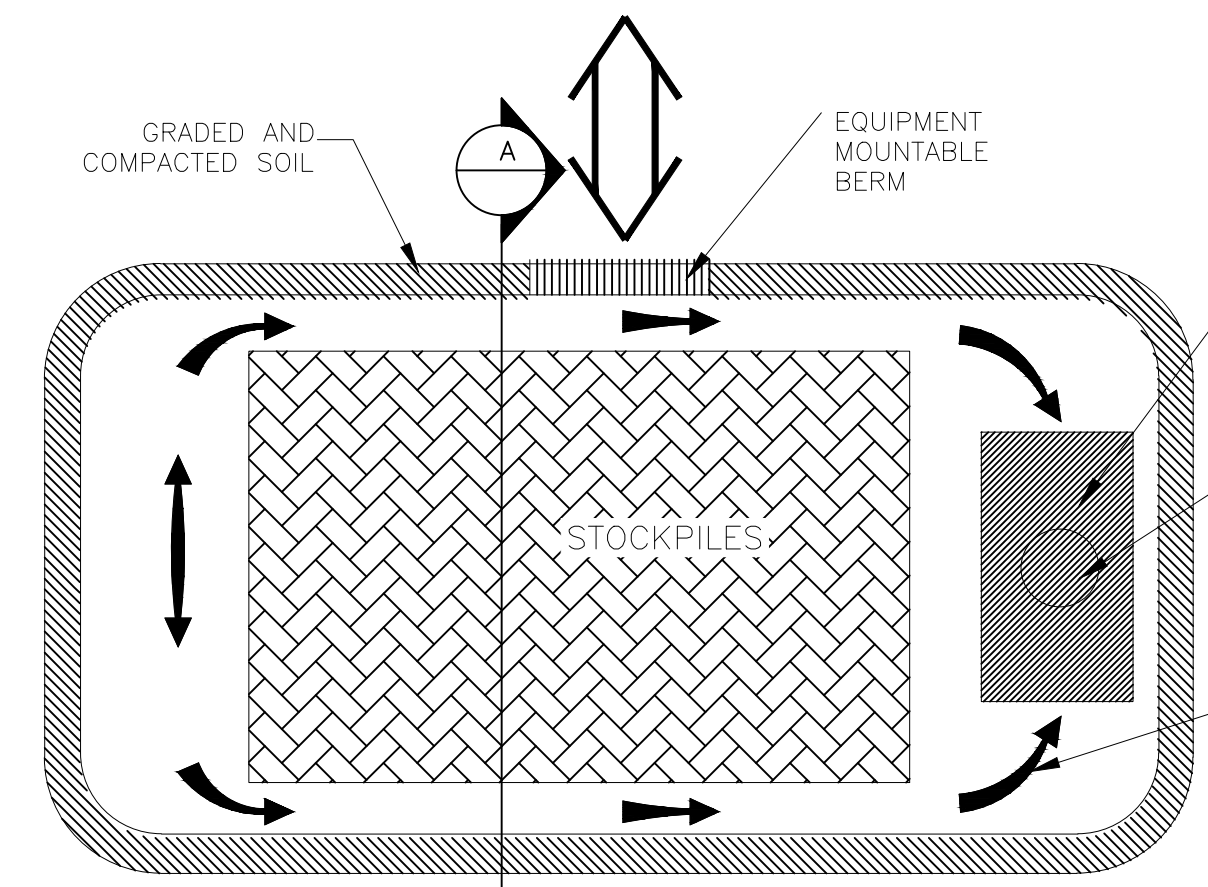
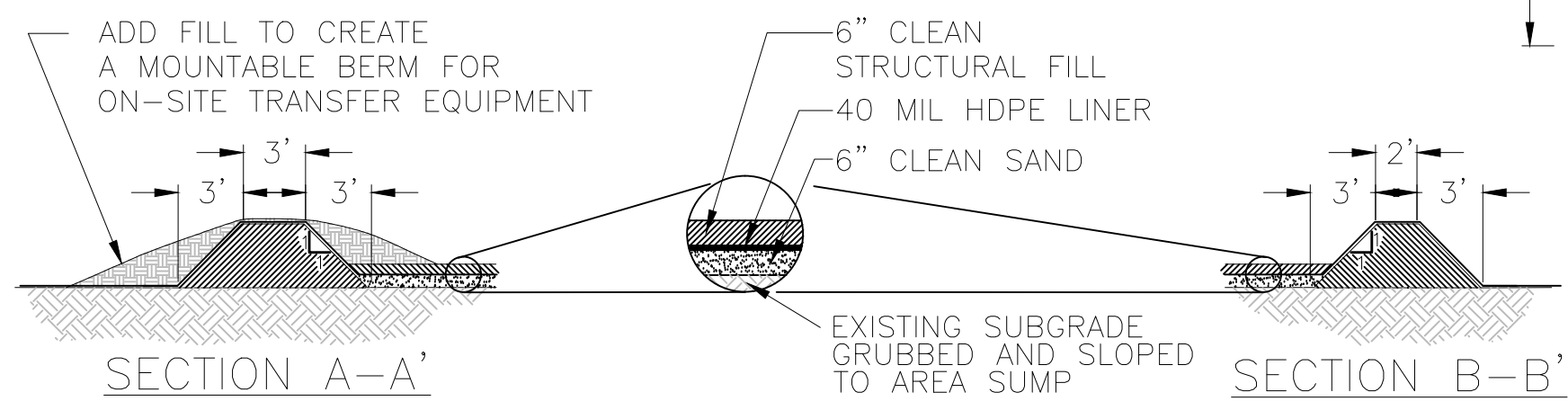
4 JERSEY BARRIER WITH FENCE
ECP-01 ECP-02 NTS



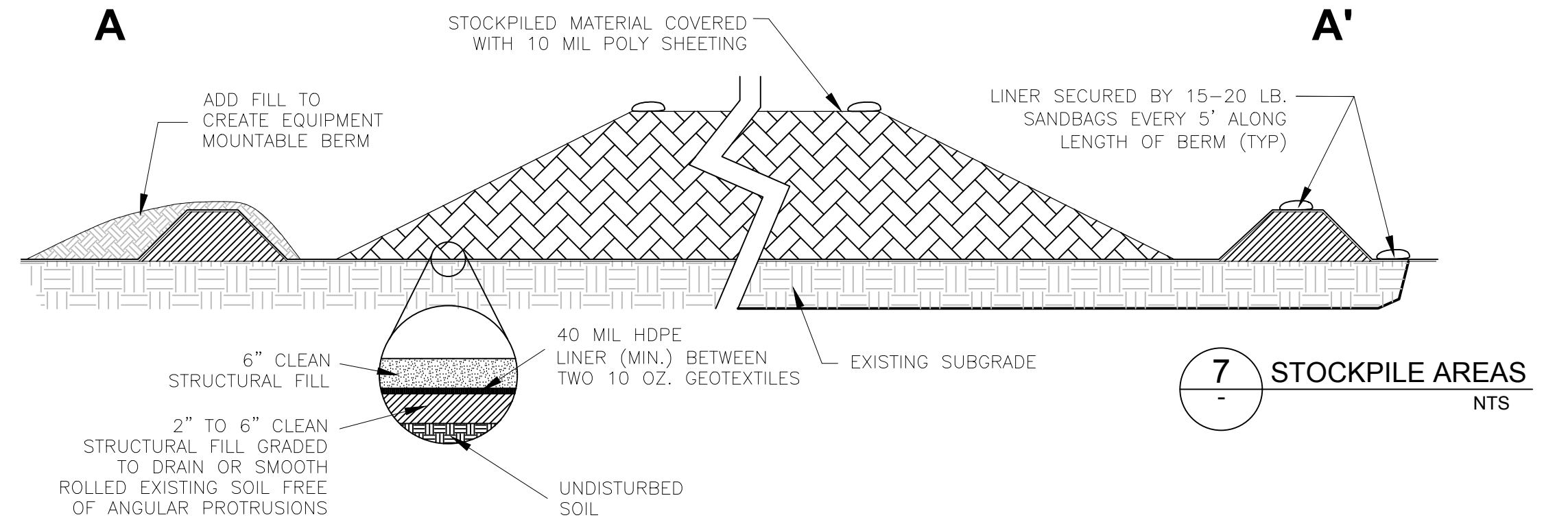
5 TEMPORARY CONSTRUCTION FENCE
NTS



6 DECONTAMINATION PAD
ECP-01 ECP-02 NTS



STORMWATER COLLECTION SUMP DETAIL



7 STOCKPILE AREAS
NTS

File: P:\Jobs\Rem_Cog\Project Files\PPG_Industries\Garfield Avenue\30% Design\2009 MEETING FIGURES\2017-01-11_GAG_S&S\2017-01-11_GAG_S&S.dwg User: huangc Plotdate: Jan 25, 2017 - 11:15 am Prof's

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NJ PROFESSIONAL ENGINEER	0	EH	01/11/17	DETAILS & NOTES			
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AECOM
30 Knightsbridge Road, Suite 520
Placatway, NJ 08854
www.aecom.com
NJ C.O.A. No: 24GA28002200

PPG
GARFIELD AVENUE GROUP OF SITES
JERSEY CITY, NEW JERSEY

PROJ. NUMBER: 60314351

DATE: 01/11/2017

SOIL EROSION AND SEDIMENT CONTROL MEASURES DETAILS & NOTES

PHASES 4&5: FORMER HALSTED CORPORATION PROPERTY, FORREST STREET PROPERTIES, AL SMITH MOVING PROPERTY, HALLADAY STREET NORTH, AND FORREST STREET

DRAWING NUMBER:	D-01
SHEET NUMBER:	1 of 1
REVISION	0

STANDARD FOR DEWATERING

DEFINITION: THE REMOVAL AND DISCHARGE OF SEDIMENT-LADEN WATER FROM AN EXCAVATED AREA, CONSTRUCTION SITE OR SEDIMENT BASIN.

PURPOSE: TO PROPERLY REMOVE SUSPENDED SEDIMENTS AND WATER FROM EXCAVATED AREAS THROUGH FILTRATION AND/OR SETTLEMENT PRIOR TO DISCHARGING WATER TO A RECEIVING WATER COURSE OR BODY.

WHERE APPLICABLE: DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER. THIS STANDARD DOES NOT ADDRESS THE REMOVAL OF GROUND WATER THROUGH WELL POINTS, ETC. THIS STANDARD DESCRIBES THE FOLLOWING PRACTICES FOR THE REMOVAL OF SEDIMENT LADEN WATERS FROM EXCAVATION AREAS: REMOVABLE PUMPING STATIONS, SUMP PITS, AND PORTABLE SEDIMENTATION TANKS.

WATER QUALITY ENHANCEMENT: WATER DISCHARGED FROM EXCAVATED AREAS ON CONSTRUCTION SITES MAY BE A SIGNIFICANT CONTRIBUTOR OF SEDIMENT TO SURFACE WATERS DURING CONSTRUCTION, WATER MUST BE REMOVED AND DISPOSED OF IN ORDER FOR CONSTRUCTION TO MOVE FORWARD. TYPICALLY, WATER IS PUMPED OR CONTAINMENT BERMS ARE BREACHED AND SEDIMENT LADEN WATERS ARE PERMITTED TO FLOW UNCONTROLLED INTO SURFACE WATERS SUCH AS STREAMS OR LAKES. BY EMPLOYING PRACTICES DESCRIBED IN THIS STANDARD. THE MAJORITY OF SEDIMENT SUSPENDED IN WATERS MAY EASILY BE REMOVED PRIOR TO LEAVING THE SITE. FILTERS AND MATERIALS DESCRIBED HEREIN ARE READILY AVAILABLE AND ARE EASY TO INSTALL AND MAINTAIN.

DESIGN CRITERIA:

SEDIMENT TANKS/SILT CONTROL BAGS ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP AND SPACE IS LIMITED, AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAMS AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.

CONSTRUCTION SPECIFICATIONS:

- A. LOCATION - CONTAINERS (TANKS OR BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
- B. TANK SIZE - THE FOLLOWING GUIDELINE SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- C. TANKS CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PUMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMPS. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAWS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMPS. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHER TANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITELY.
- D. SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

FORMER HALSTED CORPORATION PROPERTY, FORREST STREET PROPERTIES, AL SMITH MOVING PROPERTY, HALLADAY STREET NORTH, AND FORREST STREET PROPOSED CONSTRUCTION SCHEDULE AND SEQUENCE:

- 1. 1 DAY INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SURROUNDING DISTURBANCE AREA. INSTALL INLET PROTECTION AROUND CATCHBASINS WITHIN AND NEAR DISTURBANCE AREA WHERE NECESSARY.
- 2. 2 DAYS RELOCATE AS NEEDED/CONSTRUCT THE DEWATERING AREAS FOR SOIL.
- 3. THROUGHOUT EXCAVATION DEWATERING. WATERS SHALL BE COLLECTED AND TREATED AT ON-SITE (SITE 114) GROUNDWATER TREATMENT SYSTEM AND DISCHARGED TO PUBLICLY OWNED TREATMENT WORKS.
- 4. THROUGHOUT CHARACTERIZE SOIL FOR DISPOSAL OR LOAD SOIL INTO TRUCKS FOR DISPOSAL OFF-SITE.
- 5. THROUGHOUT GRADE AND COMPACT EXISTING SUBBASE TO RECEIVE FILL.
- 6. THROUGHOUT PLACE CLEAN FILL INTO BOTTOMS OF EXCAVATIONS WITHIN PROJECT AREA.
- 7. THROUGHOUT GRADE AND RESTORE WITH IMPORTED FILL AND LINER SYSTEM.
- 8. 5 DAYS REMOVE STAGING/DEWATERING PADS. RESTORE AREA TO PRE-EXISTING CONDITIONS.
- 9. 1 DAY REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- * ROADWAYS WILL BE INSPECTED DAILY AND SWEEP AS NEEDED TO PREVENT SOIL TRACKING AND ACCUMULATION.

** THE LOCATIONS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE FIELD ADJUSTED TO IMPROVE HEALTH AND SAFETY/TRAFFIC ON SITE. ANY SUBSTITUTIONS WILL BE MADE UNDER THE APPROVAL OF THE FIELD ENGINEER AND WILL BE AS EQUALLY PROTECTIVE AS THE ORIGINALLY PROPOSED CONTROL MEASURE.

STANDARD FOR DUST CONTROL

DEFINITION: THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.
PURPOSE: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

WHERE APPLICABLE: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND/OR OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.

WATER QUALITY ENHANCEMENT: SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.

PLANNING CRITERIA: SPRINKLING - SITE AND EXCAVATED SOILS ARE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" 7TH EDITION LAST REVISED JANUARY 2014. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 2. ALL SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, WILL BE TEMPORARILY SEEDED AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- 3. SEEDING DATES: THE FOLLOWING SEEDING DATES ARE RECOMMENDED TO BEST ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPSCD: SPRING - 3/1-5/15 AND FALL - 8/15 - 10/1
- 4. SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED
- 5. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS, AND PROTECTION SHALL REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- 6. MULCH MATERIALS SHALL BE UN-ROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 70 TO 90 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
- 7. ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- 8. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (862) 333-4507 OR EMAIL - INFORMATION@HEPSCD.ORG
- 9. THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ - DCA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AT 862-333-4505 TO REQUEST A FINAL INSPECTION, GIVING ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- 10. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND/OR SILT CONTROL BAGS.
- 11. ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER ARE TO BE PROVIDED TOPSOIL PRIOR TO RE-SEEDING, SODDING OR PLANTING. A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED.
- 12. ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- 13. A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2 - 1" CRUSHED ANGULAR STONE (ASTM 2 OR 3) TO A MINIMUM LENGTH OF 50 FEET AND MINIMUM DEPTH OF 6". ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- 14. STEEP SLOPES INCURRING DISTURBANCE MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER AND BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- 15. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF INDIVIDUAL LOTS. NEW OWNERS' INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.

GENERAL REQUIREMENTS

- 1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 2. SUBMIT WRITTEN NOTIFICATION TO THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION OF ANY SOIL EROSION AND SEDIMENT CONTROL FACILITY.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO INSURE PROPER FUNCTIONING OF SAID FACILITIES DURING CONSTRUCTION.
- 4. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR HAS THE RESPONSIBILITY FOR INSURING THAT PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PROPER WORKING CONDITION AND THAT TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
- 5. MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL MEASURES ON THE PROJECT SITE IS THE RESPONSIBILITY OF THE PROPERTY OWNER WHEN THE PROJECT IS 100 PERCENT COMPLETE.
- 6. THE DEMOLITION PROCESS MUST BE UNDERTAKEN IN A MANNER THAT MINIMIZES DUST EMISSION FROM THE SITE. WHERE THE DEMOLITION IS LIKELY TO CAUSE DUST EMISSION, PERIMETER FENCING AND SHADE CLOTH ARE TO BE USED TOGETHER WITH CONTINUOUS WATER SPRAY OR WETTING DOWN DURING THE DEMOLITION PROCESS. ALL AREAS SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
- 7. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL INCLUDE THE ABOVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY OMISSIONS, ERRORS OR SUBSEQUENT FIELD OPERATIONS WHICH MIGHT DEVIATE FROM THE INTENT OF THE SOIL EROSION AND SEDIMENT CONTROL ACT OF 1975 AS AMENDED (N.J.S.A. 4:24-39 ET SEQ.) THE CONTRACTOR SHALL CORRECT SAID OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 8. THE CONTRACTOR SHALL KEEP THE STREET CLEAR OF DIRT AND BE RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- 9. THE CONTRACTOR SHALL KEEP A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN (THE CERTIFIED PLAN) ON SITE DURING CONSTRUCTION AND SHALL AGREE TO ALLOW DISTRICT AGENTS TO GO ONTO THE PROJECT SITE FOR INSPECTION.
- 10. THE CONTRACTOR SHALL NOTIFY THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT UPON COMPLETION OF THE PROJECT.
- 11. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH ALL UTILITY COMPANIES.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER AND SUFFICIENT CONSTRUCTION PROTECTION TO THE WORKERS AND THE PUBLIC. OSHA AND APPLICABLE MUNICIPAL CODES SHALL BE FOLLOWED.
- 14. QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL PROVIDE THE MATERIALS NECESSARY TO COMPLETE CONSTRUCTION OF THE PROJECT.
- 15. WORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE LOCAL AND STATE (NEW JERSEY UNIFORM CONSTRUCTION CODE) CONSTRUCTION CODES, LATEST EDITION, AND SPECIFICATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS.

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AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 www.aecom.com
 NJ C.O.A. No.: 24GA28002200

PPG
GARFIELD AVENUE GROUP OF SITES
JERSEY CITY, NEW JERSEY

PROJ. NUMBER: **60314351** DATE: 01/11/2017

SOIL EROSION AND SEDIMENT CONTROL MEASURES NOTES

PHASES 4&5: FORMER HALSTED CORPORATION PROPERTY, FORREST STREET PROPERTIES, AL SMITH MOVING PROPERTY, HALLADAY STREET NORTH, AND FORREST STREET

DRAWING NUMBER: D-02
SHEET NUMBER: 1 of 1
REVISION 0



Hudson, Essex & Passaic
Soil Conservation District

80 Orchard Street

Bloomfield, NJ 07003

(862) 333-4505

Fax (862) 333-4507



State Soil Conservation
Committee

REPORT OF COMPLIANCE

This certifies that the Soil Erosion and Sediment Control measures to the extent indicated comply with the Soil Erosion and Sediment Control Plans as certified by the Soil Conservation District pursuant to Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (NJSA 4:24-39 et seq.)

Municipality: JERSEY CITY

Project Name: PPG PHASE 4+5 - REMEDIATIONS

SCD Application No: 217-H-3824

Block(s): 21501 Lot(s): 11, 12, 14, 15 Street Address: HALLADAY FORREST, PACIFIC

Block(s): 21509 Lot(s): 3 Street Address: STREETS

21502 12-17

CONDITIONAL COMPLIANCE* (CRC)

REPORT OF COMPLIANCE - NO CONDITIONS (ROC)

Date: 9/4/20

Signature of District Official: [Signature]

***CONDITIONS:**

- 1. Establishment of permanent stabilization of all disturbed areas in accordance with the certified soil erosion and sediment control plan.

Conditions above must be satisfied no later than

FINAL REPORT OF COMPLIANCE

(invalid if checked in addition to the CRC and/or ROC boxes unless authorized by district official)

Date: 9/4/20

Signature of District Official: [Signature]

Distribution:

Municipal Construction Office, Developer/Owner, District, Other

**Hudson-Essex-Passaic Soil Conservation District
Restoration SESCO Recertification - October 2017**



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

80 ORCHARD STREET
BLOOMFIELD, NJ 07003-5104
Telephone: (862) 333-4505
Fax: (862) 333-4507
www.hepsoilnj.org

October 18, 2017

Ms. Jody Overmyer
PPG
440 College Park Drive
Monroeville, PA 15146

Re: **PPG Restoration of Garfield Group Sites: revised to show restoration elevations & final cover**
Dakota, Garfield, Carteret, Halladay, Pacific & Forrest; Jersey City, NJ
Block: 21501;21510;21509;21502 Lot: 11-12,14-20;1-4;1-3;12-17
Ch.251 ID# **217-H -3845, Re-Review #217-H-0039**, SESC plan dated 9/14/17

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **recertified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification remains valid through **October 6, 2020**, and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

Matthew J. Ward
Chairman

Cc: Planner, Municipality, County



For District Use Only

217-H-3845/217-H-0039
Authorization Amended: 10/18/17

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project PPG Garfield Avenue Group Sites Restoration Recertification		Project Location: Municipality Jersey City, Hudson County	
Project Street Address See Attachment 1		Block See Attachment 1	Lot See Attachment 1
Project Owner(s) Name PPG		Email Jody Overmyer Overmyer@ppg.com	Phone # 724-325-5070 Fax #
Project Owner(s) Street Address (No P.O. Box Numbers) 440 College Park Drive		City Monroeville	State PA Zip 15146
Total Area of Project (Acres) 22.6	Total Area of Land to be Disturbed (Acres) 0	No. Dwelling or other Units N/A - Cat.D	Fee \$ 150.00
Plans Prepared by* Hue N. Quan, P.E./AECOM			Phone # 732-564-3631 Fax # 732-369-0122
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

*(Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction AECOM		Email Hue.Quan@aecom.com	
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631 Fax # 732-369-0122

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature: Date: 9/26/17 Applicant Name (Print) Jody Overmyer	3. Plan determined complete: Signature of District Official: Date: 10/18/17
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official: Date: 9/29/17	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of Date: 10/18/17

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 1/2014



AECOM
30 Knightsbridge Road
Piscataway, New Jersey 08854

732-564-3600 tel
732-369-0122 fax

September 28, 2017

Janet Rekesius
Hudson-Essex-Passaic Soil Conservation District
80 Orchard Street
Bloomfield, NJ 07003
(862) 333-4505

**RE: Re-certification of Soil Erosion and Sediment Control Plans for Restoration Work
PPG Garfield Avenue Group Project
Jersey City, Hudson County, New Jersey**

Dear Ms. Rekesius:

On behalf of PPG, and in accordance with Mr. Dave Malka's request, AECOM is submitting a signed and sealed hardcopy of the restoration grading plans along with an application form and supporting materials for re-certification of the Soil Erosion and Sediment Control Plans for the following PPG Garfield Avenue Group Sites: Sites 114, 132, 143, and 137A; a portion of Sites 137B and 133W; Sites 133E and 135; public roadways; the Al Smith Moving property; the former Halsted Corporation Property; and the Forrest Street Properties. The corresponding active HEPSCD 251 ID Code numbers are: 217-H-3845 (for Sites 114, 132, 143, 137A, and a portion of Site 137B); 214-H-3309 (for Sites 133E and 135); 215-H-3440 (for Halladay Street South and Carteret Avenue, and a portion of Site 133W); and 217-H-3824 (for Al Smith Moving property, the former Halsted Corporation Property, the Forrest Street Properties, Halladay Street North and Forrest Street). The purpose of this submittal is to re-certify the final grades and proposed surface cover.

Portions of Sites 137B and 133W (approved under HEPSCD 251 ID Code #213-H-3250, which expired on June 4, 2017) that currently have dense-graded aggregate cover and are being utilized for truck traffic and concrete processing and loadouts are also included in the re-certification of 217-H-3845.

This submittal includes the application form, the administrative review fee check for review and re-certification (payable to the Hudson-Essex-Passaic Soil Conservation District [HEPSCD] in the amount of \$150.00), and one copy of the grading plans, signed and sealed by a New Jersey Licensed and Registered Professional Engineer. The limit of disturbance has not changed from the plans referenced above.

Upon your consent of the Soil Erosion and Sediment Control Plans re-certification, please provide AECOM with the approval letter from HEPSCD. If you have any questions or require additional information, please contact Hue Quan at (732) 564-3631.

Yours sincerely,



Hue Quan, P.E.
Project Engineer



Aimee Ruitter
Project Manager

Attachments: Application Form
Fee Check for Administrative Review
Grading Plan and Details

cc: D. Malka, HEPSCD
J. Overmyer, PPG
M. Terril, PPG
R. Feinberg, PPG
B. Bonsted, ENTACT
S. Mikaelian, AECOM
S. Surman, AECOM

Re-certification of Soil Erosion and Sediment Control Plans for Restoration Work
PPG Garfield Avenue Group Project
PPG, Jersey City, New Jersey

Application Form

APPENDIX A2

REQUIREMENTS, GUIDELINES AND PROCEDURES FOR
PREPARING AND IMPLEMENTING "STANDARDS FOR SOIL EROSION AND
SEDIMENT CONTROL IN NEW JERSEY"

An application for certification of a soil erosion and sediment control plan shall include the following items.

1. One copy of the complete subdivision, site plan or construction permit application, including key map as submitted to the municipality (Architectural drawings and building plans and specifications not required.) which includes the following:
 - a. Location of present and proposed drains and culverts with their discharge capacities and velocities and support computations and identification of conditions below outlets.
 - b. Delineation of any area subject to flooding from the 100-year storm in compliance with the Flood Plains Act (NJSA 58:16A) or applicable municipal zoning.
 - c. Delineating of streams, wetlands, pursuant to NJSA 13:9B and other significant natural features within the project area.
 - d. Soils and other natural resource information used. (Delineation of the project site on soil map is desirable utilizing the USDA Web Soil Survey.)
 - e. Land cover and use of area adjacent to the land disturbance.
 - f. All hydraulic and hydrologic data, describing existing and proposed watershed conditions and HEC HMS, HEC RAS, TR-55 and similar models, and other electronic input files, if used, of existing and proposed conditions and a completed copy of the Hydraulic and Hydrologic Data Base Summary Form, SSCC 251 HDF1.

2. Up to four copies of the soil erosion and sediment control plan* at the same scale as the site plan submitted to the municipality or other land use approval agency to include the following: (This information shall be detailed on the plat)
 - a. Proposed sequence of development including duration of each phase in the sequence.
 - b. Site grading plan showing delineation of land areas to be disturbed including proposed cut and fill areas together with existing and proposed profiles of these areas (an interim grading-erosion control plan may be required for large sites with extensive cuts and fills).
 - c. Contours at a two foot (or smaller) interval, showing present and proposed ground elevation.
 - d. Locations of all streams and existing and proposed drains and culverts.
 - e. Stability analysis of areas below all points of stormwater discharge which demonstrates a stable condition will exist or there will be no degradation of the existing condition.
 - f. Location and detail of all proposed erosion and sediment control structures including profiles, cross sections, appropriate notes, and supporting computations.
 - g. Location and detail of all proposed nonstructural methods of soil stabilization including types and rates of lime, fertilizer, seed, and mulch to be applied.
 - h. Control measures for non-growing season stabilization of exposed areas where the establishment of vegetation is planned as the final control measure.
 - i. For residential development - control measures to apply to dwelling construction on individual lots and notation that such control measures shall apply to subsequent owners if title is conveyed. This notation shall be shown on the final plat.
 - j. Plans with a notation for maintenance of permanent soil erosion and sediment control measures and facilities during and after construction, also indicating who shall have responsibility for such maintenance.

Appropriate fees. (As adopted by the individual district.)

Additional items as may be required.

*Individual districts may require modifications in the above list.



For District Use Only

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

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Name of Project PPG Garfield Avenue Group Sites Restoration Recertification		Project Location: Municipality Jersey City, Hudson County	
Project Street Address See Attachment 1		Block See Attachment 1	Lot See Attachment 1
Project Owner(s) Name PPG		Email Jody Overmyer Overmyer@ppg.com	Phone # 724-325-5070 Fax #
Project Owner(s) Street Address (No P.O. Box Numbers) 440 College Park Drive		City Monroeville	State PA Zip 15146
Total Area of Project (Acres) 22.6	Total Area or Land to be Disturbed (Acres) 0	No. Dwelling or other Units N/A - Cat.D	Fee \$ 150.00
Plans Prepared by* Hue N. Quan, P.E./AECOM			Phone # 732-564-3631 Fax # 732-369-0122
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

*(Engineering related items of the Soil Erosion and Sediment Control Plan **MUST** be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction AECOM		Email Hue.Quan@aecom.com	
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631 Fax # 732-369-0122

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature: <u>Jody Overmyer</u> Date: <u>9/26/17</u> Applicant Name (Print) <u>Jody Overmyer</u>	3. Plan determined complete: Signature of District Official: _____ Date: _____
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official: _____ Date: _____	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of District Official: _____ Date: _____

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 1/2014

Application for Soil Erosion and Sediment Control Plan Re-certification

Attachment 1

HCC Site	Project Street Address	Block	Lot	HEPSCD 251 ID
114	2 Dakota Street	21501	16	217-H-3845
114	70 Carteret Avenue	21501	17	217-H-3845
114	880 Garfield Avenue	21501	18	217-H-3845
114	884 Garfield Avenue	21501	19	217-H-3845
114	900 Garfield Avenue	21501	20	217-H-3845
132	824 Garfield Ave	21510	2	217-H-3845
137A	45 Halladay Street	21510	3	217-H-3845
137B*	25 Halladay Street	21510	4	217-H-3845/213-H-3250
143	846 Garfield Avenue	21510	1	217-H-3845
133E	22 Halladay Street	21509	1	214-H-3309
135	51-99 Pacific Avenue	21509	2	214-H-3309
133W*	15 Halladay Street	21510	5	215-H-3440/213-H-3250
Halladay Street South	N/A	N/A	N/A	215-H-3440
Carteret Avenue	N/A	N/A	N/A	215-H-3440
Al Smith Moving property	33 Pacific Avenue	21509	3	217-H-3824
Former Halsted Corporation	78-104 Halladay Street	21502	12-17	217-H-3824
Halladay Street North	N/A	N/A	N/A	217-H-3824
Forrest Street	N/A	N/A	N/A	217-H-3824
Forrest Street Properties	84, 86, 98 Forrest Street	21501	11-12, 14-15	217-H-3824

Notes:

Properties listed above are in Jersey City, Hudson County, New Jersey

HCC = Hudson County Chrome

N/A = Not Applicable

* indicates only the portion included within the limit of disturbance will be restored at this time. Other portions of the Site will be addressed at a later date.

**SOIL CONSERVATION DISTRICT
ADDENDUM TO APPLICATION**

APPLICATION BY CORPORATION, PARTNERSHIP OR ORGANIZATION

OWNERSHIP DISCLOSURE AFFIDAVIT

Soil Conservation District requests that all applicants submit a complete list of ownership for purposes of determining conflicts of interest between the applicant and the board of members or their professionals. Attach Rider if necessary.

Disclosure of owners of organization and property subject to application. Any organization making an application for development under this act shall list the names and addresses of all members, stockholders, or individual partners (collectively, "interest holders"), including any other organization holding at least a 10% ownership interest in the organization, and shall also identify the owner of the property subject to the application, including any organization holding at least a 10% ownership interest in the property.

Listing of names and addresses of interest holders of applicant and owner organization.

If an organization owns an interest equivalent to 10% or more of another organization, subject to the disclosure requirements hereinabove described, that organization shall list the names and addresses of its interest holders holding 10% or greater interest in the organization.

Disclosure of all officers and trustees of a non-profit organization. A non-profit organization filing an application of development under this act shall list the names and addresses of all officers and trustees of the non-profit organization.

This disclosure requirement is continuing during the Certification period and transfer of ownership of more than 10% must be disclosed.

Organization or non-profit organization failing to disclose: fine. Any organization or non-profit organization failing to disclose in accordance with this act shall be subject to a fine of \$1,000 to \$10,000, which shall be recoverable in the name of the municipality in any court of record in the State in a summary manner pursuant to the "Penalty Enforcement Law" (N.J.S.A. 2A:58-1 et seq.)

Name and Address of Applicant:

Jody Overmyer, PPG
440 College Park Drive, Monroeville, PA 15146

(If Corporation, Name and Address of Registered Agent and Officers, Trustees):

The Prentice-Hall Corporation Systems, New Jersey, Inc.
830 Bear Tavern Road, West Trenton, New Jersey 08628


Stockholders / Members / Partners:

None

I certify that the above statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

Jody Overmyer, Remediation Project Engineer

Print Name of Authorized Signatory & Title


Authorized Signature

Date

PPG INDUSTRIES, INC.**DIRECTORS**

Michael H. McGarry, Chairman
Stephen F. Angel
James G. Berges
John V. Faraci
Hugh Grant
Victoria F. Haynes
Melanie L. Healey
Gary R. Heminger
Michele J. Hooper
Michael W. Lamach
Martin H. Richenhagen

EXECUTIVE OFFICERS

Michael H. McGarry	Chairman and Chief Executive Officer
Viktoras R. Sekmakas	Executive Vice President (until October 1, 2017)
Glenn E. Bost II	Senior Vice President and General Counsel
Jean-Marie Greindl	Senior Vice President, Architectural Coatings and President, PPG EMEA
Timothy M. Knavish	Senior Vice President, Automotive Coatings (until October 1, 2017) Senior Vice President, Industrial Coatings (effective October 1, 2017)
Vincent J. Morales	Senior Vice President and Chief Financial Officer
Ramaprasad Vadlamannati	Senior Vice President, Protective and Marine Coatings

CORPORATE OFFICERS

Anne M. Foulkes	Vice President, Associate General Counsel and Secretary
John A. Jankowski	Vice President and Treasurer
Mark C. Kelly	Vice President and Controller

PPG INDUSTRIES, INC.**OTHER OFFICERS APPOINTED BY THE EXECUTIVE COMMITTEE**

Radhika Batra	Vice President, Global Supply Management
Shelley J. Bausch	Vice President, Industrial Coatings
David S. Bem	Vice President, Science and Technology and Chief Technology Officer
Gregory B. Benckart	Vice President, Automotive Refinish, Americas
Karl H. Bergstrom	Vice President, PPG Architectural Coatings, Latin America and President, PPG Comex
Kevin D. Braun	Vice President, Industrial Coatings, Americas
Donna J. Broome	Vice President, Architectural Coatings, Trade, United States and Canada
Mark A. Cancilla	Vice President, Environment, Health and Safety
Christopher R. Caruso	Vice President, Information Technology
David J. Cole	Vice President, Architectural Coatings, United States and Canada
Gary R. Danowski	Vice President, Automotive Coatings Operations, Automotive Parts and Accessories-Decorative and Commercial Vehicles
Jeffrey C. Davies	Vice President, Corporate Development
Barry N. Gillespie	Vice President, Aerospace Products
Michael Horton	President, PPG Asia/Pacific, and Vice President, Protective and Marine Coatings, Asia/Pacific
Bryan N. Iams	Vice President, Corporate and Government Affairs
Anup Jain	Vice President, Specialty Coatings and Materials
Roald Johannsen	Vice President, Automotive Coatings, Europe, Middle East and Africa
Diane M. Kappas	Vice President, Protective and Marine Coatings, Americas
Johann F. Kolling	Vice President, Tax Administration
Rajesh Lall	Vice President Operations, Industrial Coatings and PPG Asia/Pacific
Adriana Macouzet	Vice President, PPG Latin America and General Manager, Protective and Marine Coatings, Latin America
Matthew C. Marek	Vice President, Automotive Coatings, Americas
Jeffrey J. Oravitz	Vice President, PPG Coatings Services and President, MetoKote
John R. Outcalt	Vice President, Automotive Refinish
Vincent Robin	Vice President, Automotive Coatings, Asia/Pacific
Hervé Tiberghien	Vice President, Human Resources
Jane N. Valenta	Vice President, Global Technical Architectural Coatings
Timothy Welsh	Vice President, Australia and New Zealand and General Manager, Architectural Coatings, Australia and New Zealand
Kenneth J. West	Vice President, Packaging Coatings
Christopher M. Wetzel	Vice President, Global Strategic Marketing,

Last approved September 13, 2017

	Architectural Coatings
Pauline Yuen	Vice President, Refinish Coatings, Asia
Jerome Zamblera	Vice President, Automotive Refinish, Europe, Middle East and Africa
Greg E. Gordon	Assistant Secretary
Jonothan B. Kennedy	Assistant Controller and Director, Financial Planning and Analysis and Shared Financial Services

Re-certification of Soil Erosion and Sediment Control Plans for Restoration Work
PPG Garfield Avenue Group Project
PPG, Jersey City, New Jersey

Fee Check for Administrative Review

AECOM TECHNOLOGY CORPORATION

NO. 14456359

DATE 18-Sep-2017	VENDOR NAME HUDSON ESSEX PASSAIC SOIL CONSERVATION	INVOICE DATE 06-Sep-2017	VOUCHER NO. 856139565	VENDOR NO 200312	DISCOUNT 0.00	NET AMOUNT 150.00
INVOICE NO. CK090617150	DESCRIPTION Soil Erosion and Sediment					

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

0.00

150.00

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

AECOM TECHNOLOGY CORPORATION 9400 Amberglen Boulevard, Bldg C Austin, Texas 78729-1100	WELLS FARGO BANK 115 Hospital Drive Van Wert, OH 45891	58-882 412	NO. 14456359
---	---	---------------	---------------------

CHECK DATE	CHECK NUMBER
18-Sep-2017	14456359

CHECK AMOUNT \$150.00

PAY: One Hundred Fifty Dollars And Zero Cents*****

TO THE ORDER OF: HUDSON ESSEX PASSAIC SOIL CONSERVATION
80 ORCHARD STREET
BLOOMFIELD, NJ 07003
United States

[Signature]
AUTHORIZED SIGNATURES

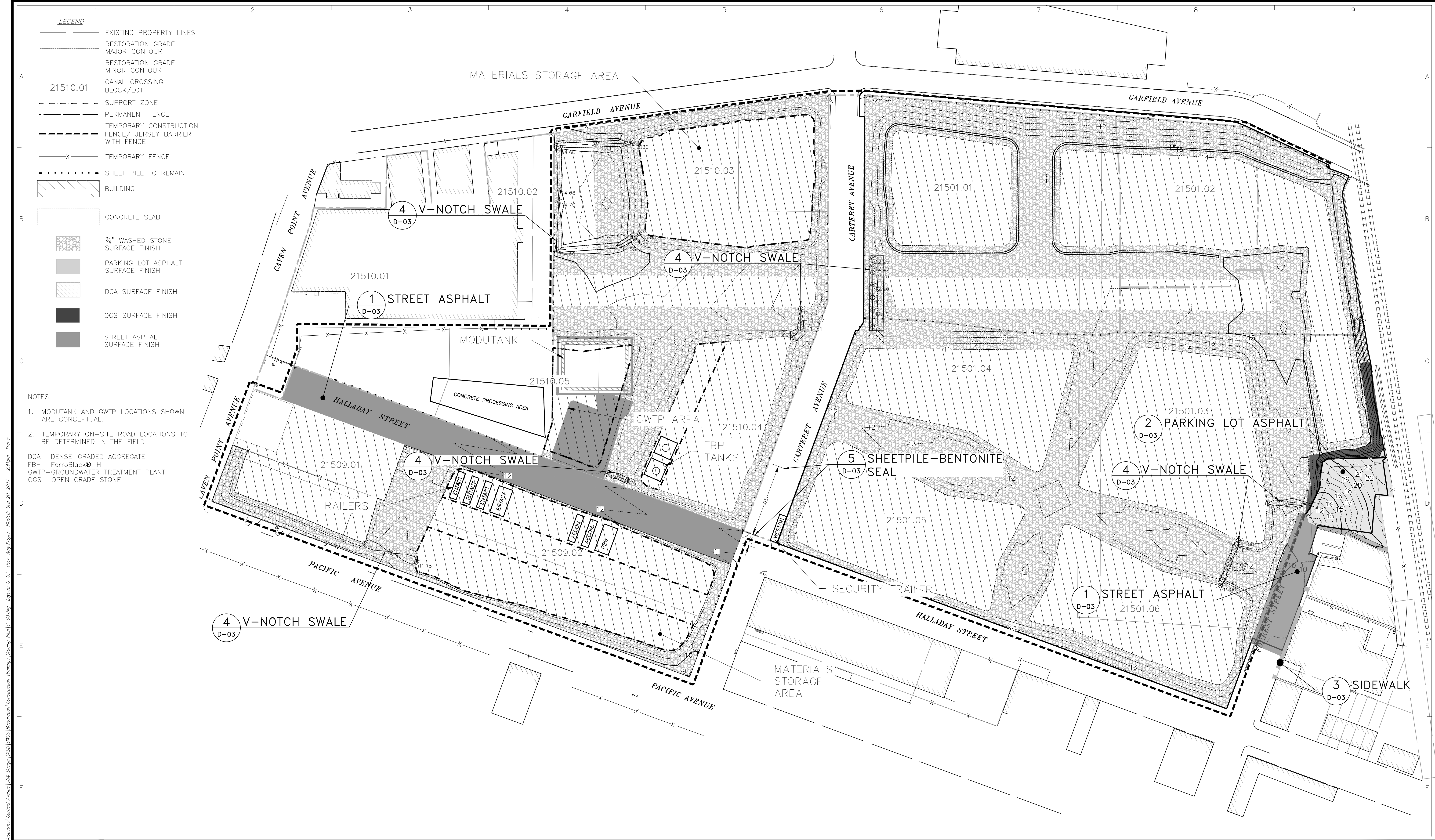
⑈014456359⑈ ⑆041203824⑆9600047953⑈

FROM: AECOM TECHNOLOGY CORPORATION
9400 Amberglen Boulevard, Bldg C
Austin, Texas 78729-1100

TO: HUDSON ESSEX PASSAIC SOIL CONSERVATION
80 ORCHARD STREET
BLOOMFIELD, NJ 07003
United States

Re-certification of Soil Erosion and Sediment Control Plans for Restoration Work
PPG Garfield Avenue Group Project
PPG, Jersey City, New Jersey

Grading Plan and Details



LEGEND

- EXISTING PROPERTY LINES
- RESTORATION GRADE MAJOR CONTOUR
- RESTORATION GRADE MINOR CONTOUR
- 21510.01 CANAL CROSSING BLOCK/LOT
- - - SUPPORT ZONE
- - - PERMANENT FENCE
- - - TEMPORARY CONSTRUCTION FENCE/ JERSEY BARRIER WITH FENCE
- - - TEMPORARY FENCE
- - - SHEET PILE TO REMAIN
- ▭ BUILDING
- ▭ CONCRETE SLAB
- ▭ 3/4" WASHED STONE SURFACE FINISH
- ▭ PARKING LOT ASPHALT SURFACE FINISH
- ▭ DGA SURFACE FINISH
- ▭ OGS SURFACE FINISH
- ▭ STREET ASPHALT SURFACE FINISH

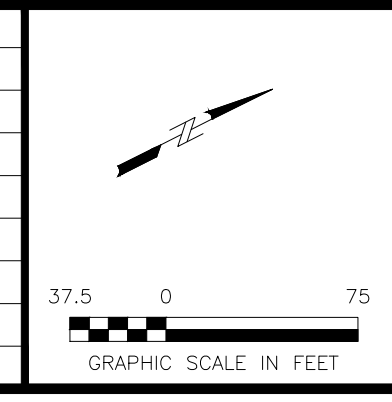
NOTES:

1. MODUTANK AND GWTP LOCATIONS SHOWN ARE CONCEPTUAL.
 2. TEMPORARY ON-SITE ROAD LOCATIONS TO BE DETERMINED IN THE FIELD.
- DCA- DENSE-GRADED AGGREGATE
 FBH- FerroBlock®-H
 GWTP-GROUNDWATER TREATMENT PLANT
 OGS- OPEN GRADE STONE

File: P:\Jobs\Item_010\Project Files\PPG Industries\Garfield Avenue\1308\Revision (2010)\DWG\Restoration Construction Drawings\Grading Plan\C-03.dwg Layout: C-03 User: Amy Kasper Plot Date: Sep 20, 2017 - 2:41pm Xref's:

Hue N. Quan, P.E.	
NJ Professional Engineer	
24GE004698500	

NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD	DATE
1	ASK	09/14/17	RESTORATION GRADING PLAN				
0	JTS	06/09/17					



AECOM

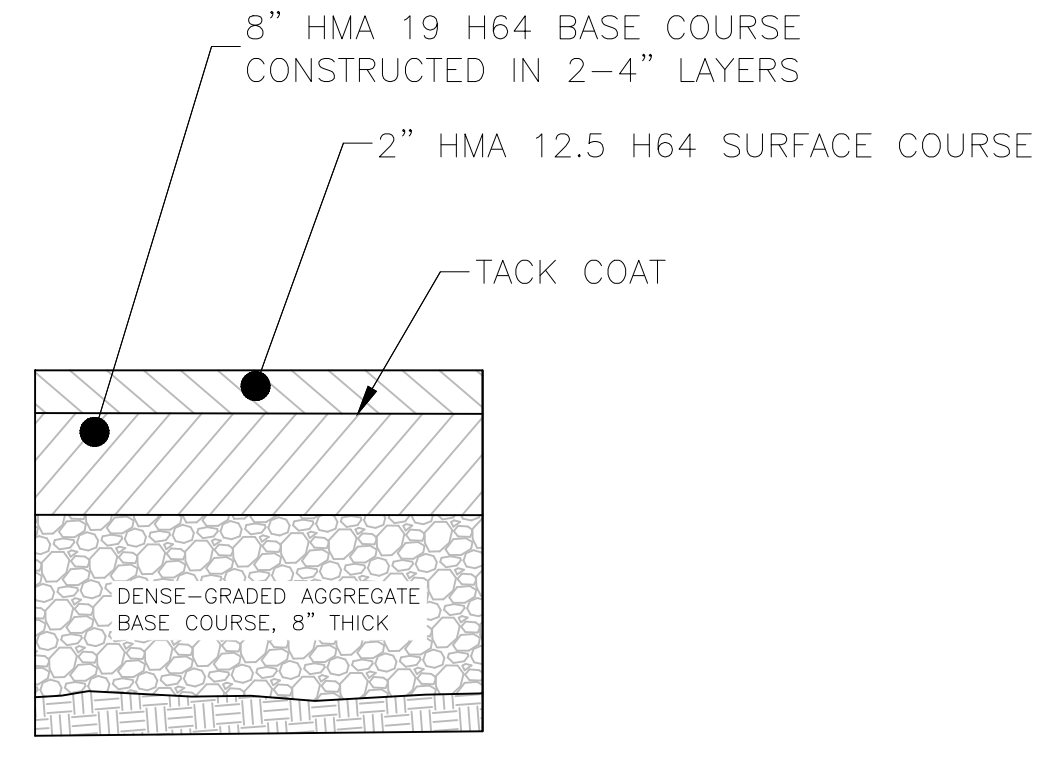
AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 www.aecom.com
 NJ C.O.A. No. 3462800200

PPG
GARFIELD AVENUE GROUP OF SITES
 JERSEY CITY, NEW JERSEY

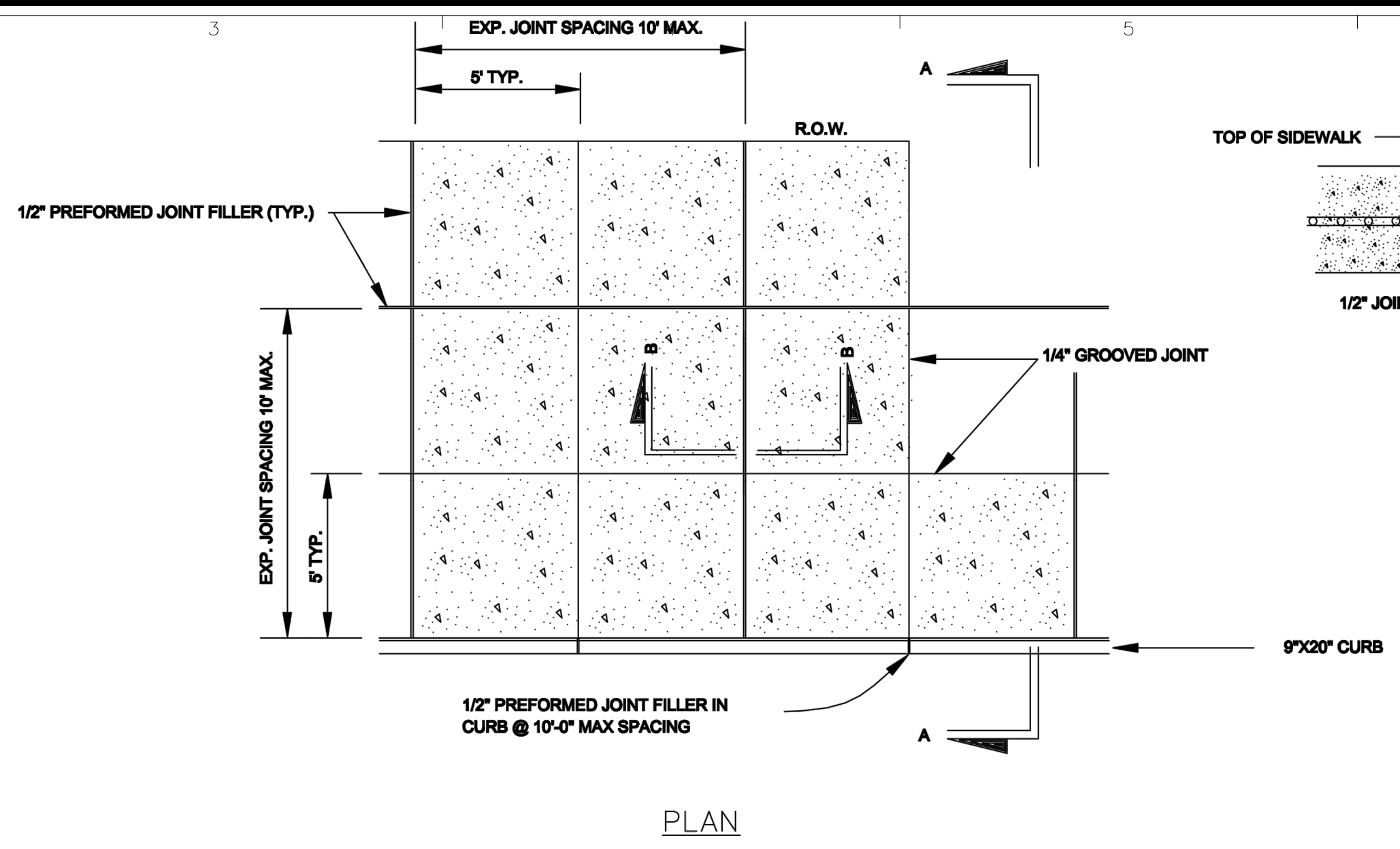
PROJ. NUMBER: 60545491 DATE: 09/14/17

RESTORATION GRADING PLAN
 SOIL EROSION AND SEDIMENT CONTROL PLAN RECERTIFICATION

DRAWING NUMBER:	C-03
SHEET NUMBER:	1 of 1
REVISION	1

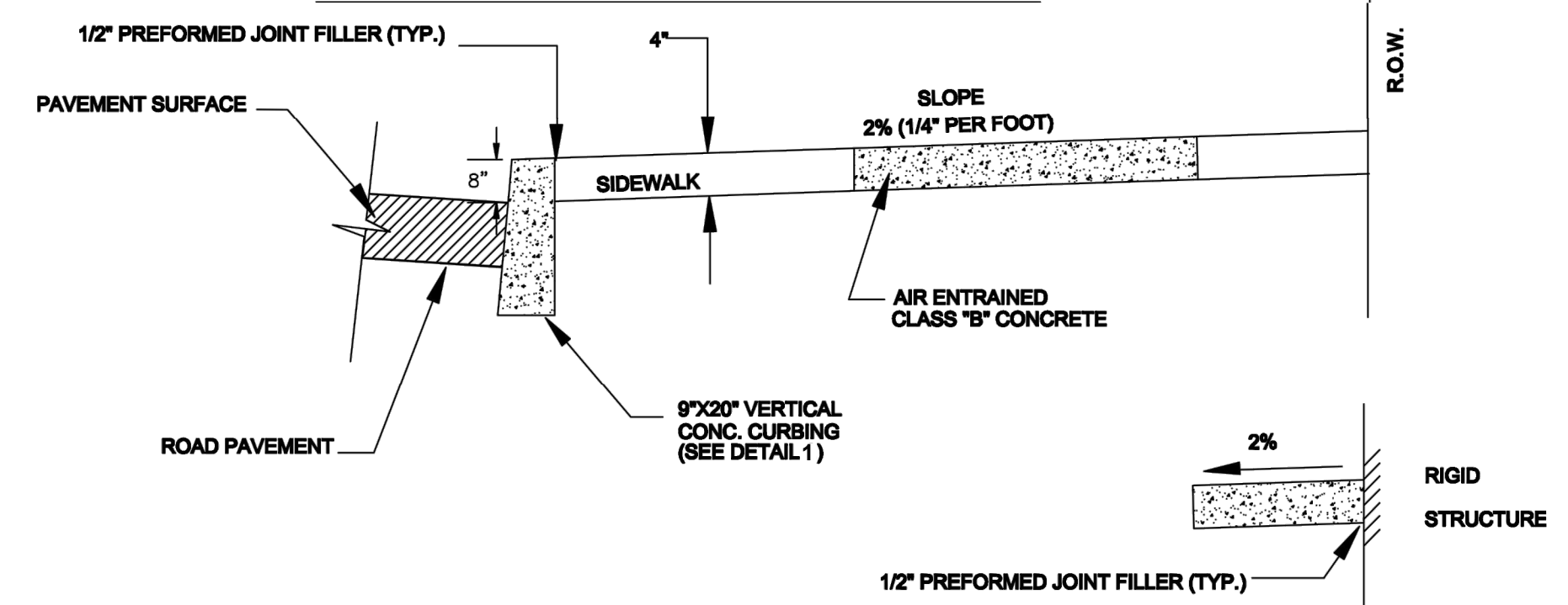


1 STREET ASPHALT PROFILE
C-03 N.T.S.

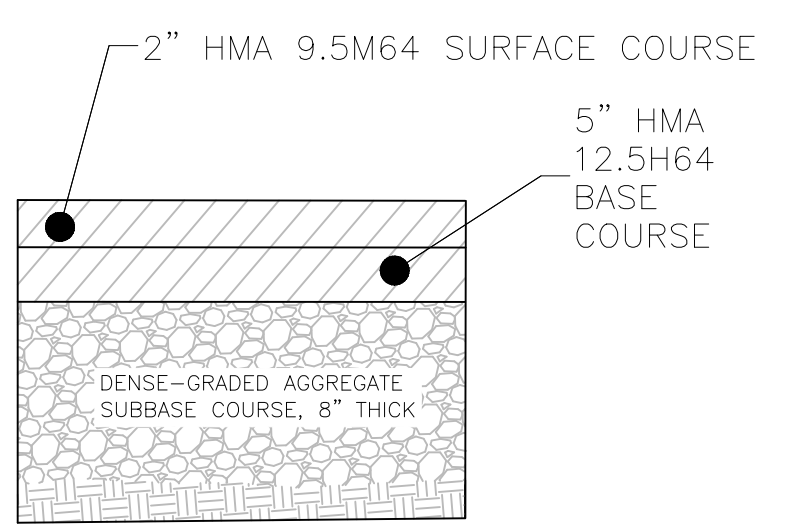


PLAN

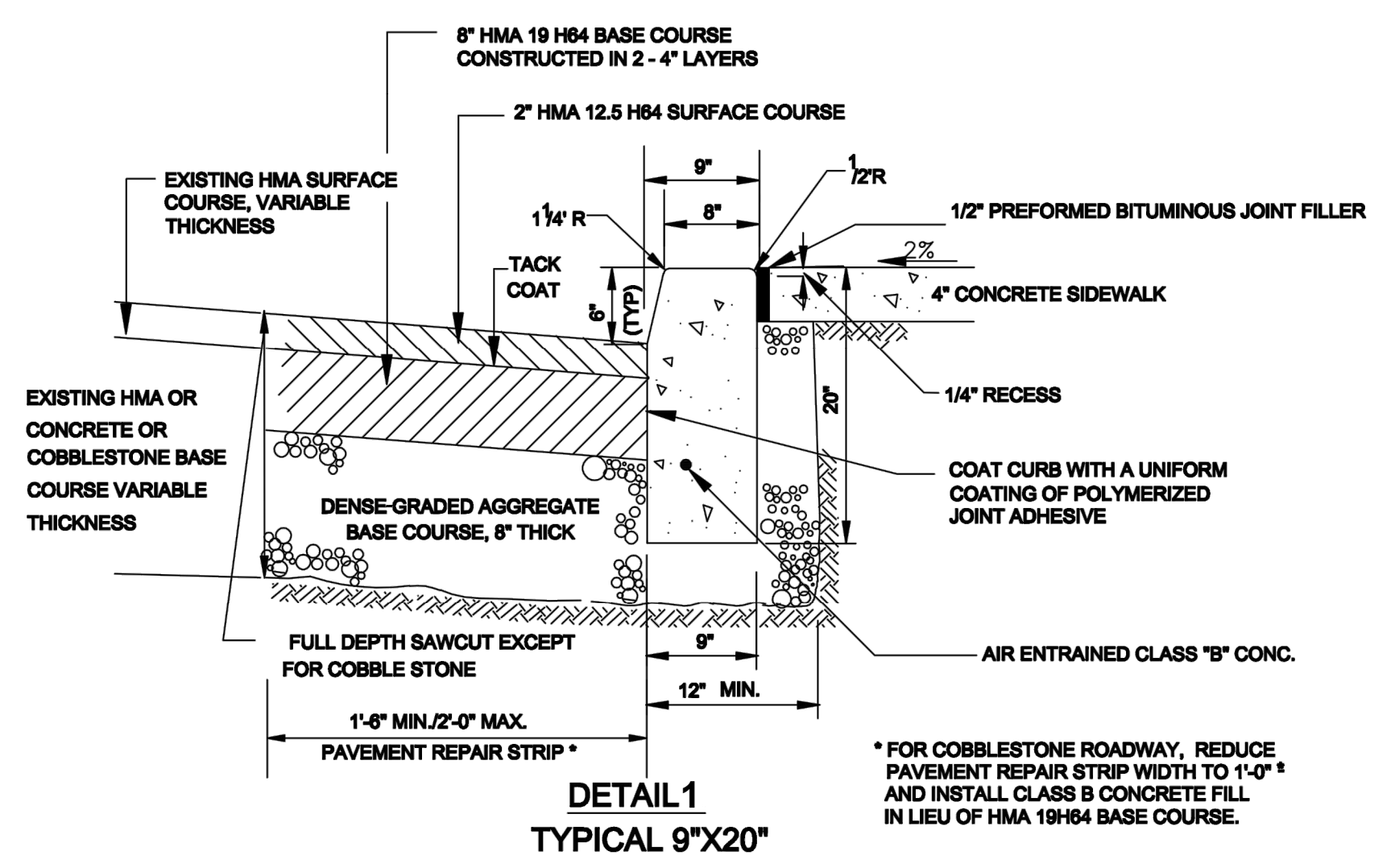
TYPICAL CONCRETE SIDEWALK



SECTION A-A
N.T.S.

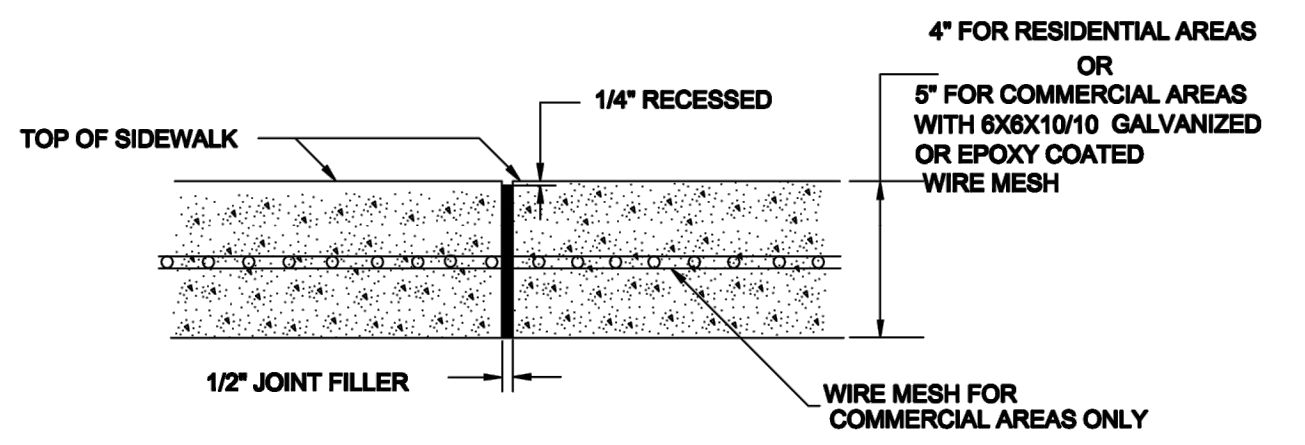


2 PARKING LOT ASPHALT
C-03 N.T.S.

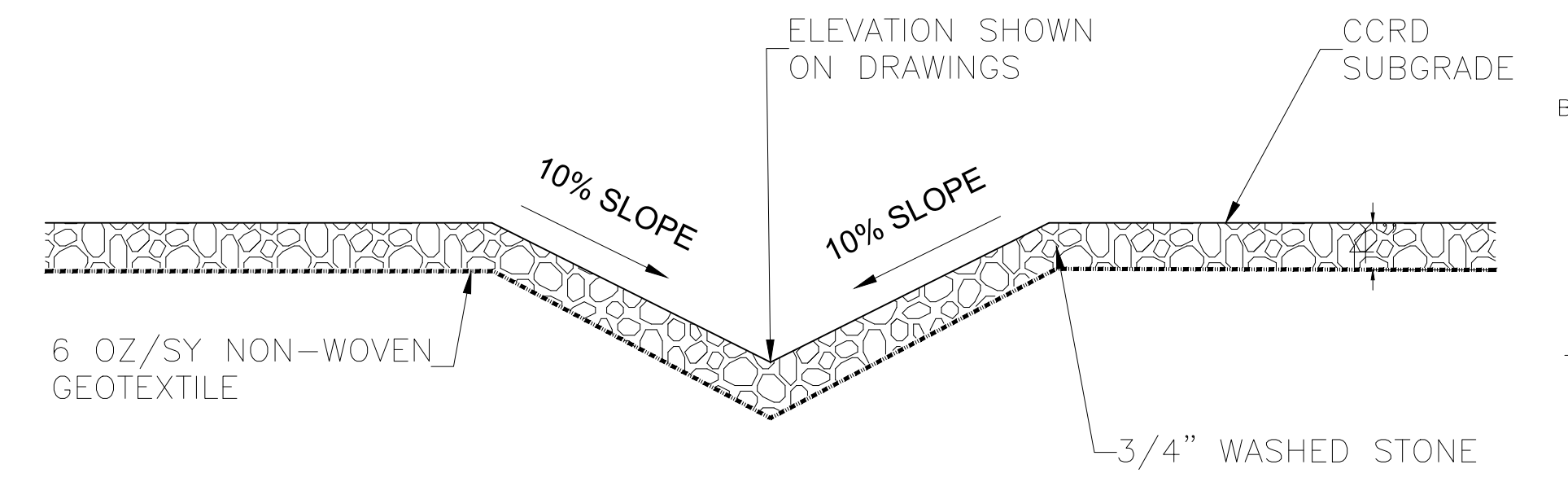


DETAIL 1
TYPICAL 9"x20"

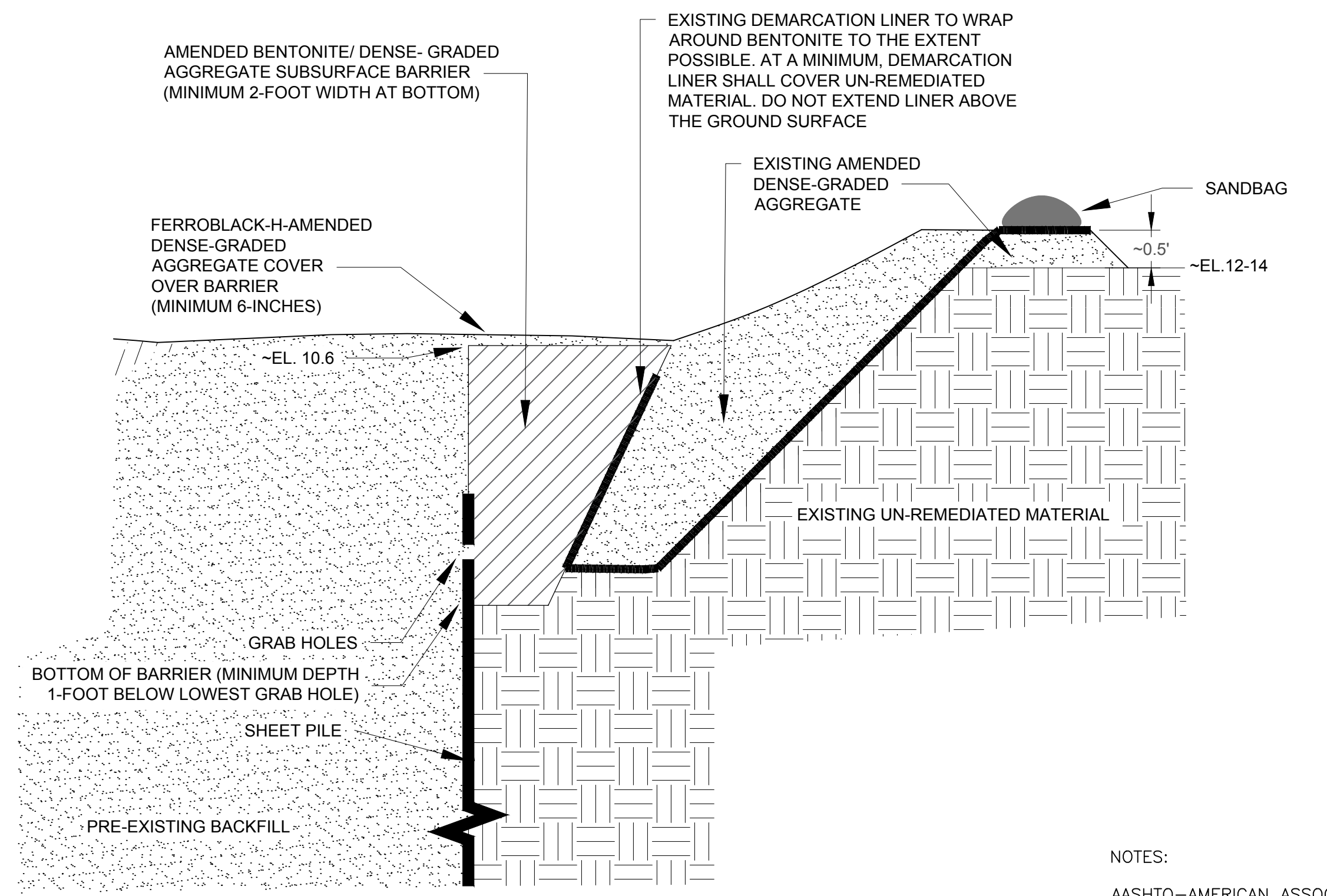
3 NEW SIDEWALK
C-03 N.T.S.



SECTION B-B
SIDEWALK JOINT FILLER
N.T.S.



4 V-NOTCH SWALE
C-03 N.T.S.



5 SHEETPILE-BENTONITE SEAL
C-03 N.T.S.

NOTES:
AASHTO—AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
CCRD—CANAL CROSSING REDEVELOPMENT
EL—ELEVATION (FEET NORTH AMERICAN VERTICAL DATUM OF 1988)
HMA—HOT MIX ASPHALT
N.T.S.—NOT TO SCALE
OZ/SY—OUNCE/SQUARE YARD
R.O.W.—RIGHT OF WAY

File: P:\Jobs\New_Eng\Project_Files\PPG_Industries\Garfield Avenue\308_Restoration\Construction Drawings\Grading Plan\Detail_Sheet.dwg Layout: Detail Sheet 1 User: AmyKroger Plotted: Sep 19, 2017 11:59am Prof.s

Hue N. Quan, P.E.
NJ Professional Engineer
24GE004698500

7						
6						
5						
4						
3						
2						
1	ASK	09/12/17	RESTORATION GRADING PLAN DETAILS			
0	TDL	06/09/17	TECHNICAL EXECUTION PLAN			
NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD



AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
www.aecom.com

PPG
GARFIELD AVENUE GROUP OF SITES
JERSEY CITY, NEW JERSEY
PROJ. NUMBER: 6054591
DATE: 09/12/17

RESTORATION DETAILS

SOIL EROSION AND SEDIMENT
CONTROL PLAN RECERTIFICATION

DRAWING NUMBER:
D-03
SHEET NUMBER:
1 of 1
REVISION
1

**Notice of Non-Applicability for NJDEP 5G3
Construction Stormwater General Permit**



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code - 401-02B
Division of Water Quality
Office of Permit Management
P.O. Box 420 – 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 984-4428 / Fax: (609) 777-0432

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

NOTICE OF NON-APPLICABILITY

Date: March 18, 2015

PPG GARFIELD AVE GRP SOIL REMEDIATION PROJECT
70 CARTERET AVE
JERSEY CITY, NJ 07305

Re: NAF - Discharge to CSO w/certification
Program Interest ID: 677817
PPG GARFIELD AVE GRP SOIL REMEDIATION PROJECT
Jersey City, Hudson County

Dear Applicant:

Your Non-Applicability Request was received on 03/12/2015 and has been determined to be complete. As stated, all stormwater associated with the construction activities will be discharged to a combined sewer. Based on this information, the Construction Stormwater General permit (5G3) is not required at this time. The above facility shall submit an application for permit coverage if, at any time, it is discovered that unpermitted discharges are occurring from this construction activity and may be subject to enforcement penalties. Please include the Program Interest ID **677817** on future submissions.

Please be advised that checklists and forms are revised from time to time. Before making any future submissions please see our website at <http://www.nj.gov/dep/dwq/forms.htm> or contact the Office of Permit Management at (609) 984-4428. Please refer to the Program Interest number and subject matter when making inquiries.

Sincerely,

Terry Beym
Office of Permit Management

cc: AECOM
Central File-Administrative Record – PI: 677817 / MF: 483253

Water Use Registration



State of New Jersey

Department of Environmental Protection

*DIVISION OF WATER SUPPLY
WATER SUPPLY PERMITTING
BUREAU OF WATER ALLOCATION
P.O. BOX 426
TRENTON, NEW JERSEY 08625-0426
TEL.# 609-292-2957
FAX.# 609-633-1495*

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

June 30, 2010

PPG Site 114
4325 Rosanna Drive
ALLISON PARK, PA 15101
Attn: Brian G. McGuire

Dear Mr. McGuire:

Re: **Water Use Registration - New
Program Interest ID: 11345W
Activity No. WUR100001**

Enclosed is a Water Use Registration issued pursuant to N.J.S.A. 58:1A et seq. This Water Use Registration becomes effective on July 1, 2010 and is to divert water from dewatering trench in the following Municipalities and Counties:

MUNICIPALITY	COUNTY
Jersey City	Hudson

This registration provides valuable data on water use which assists the Bureau in effectively managing the State's water resources. The diversion of more than 100,000 gpd requires a Water Allocation Permit. This registration allows for a total diversion (from all sources combined) up to 100,000 gallons of water per day.

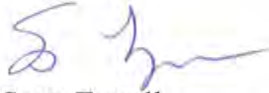
The issuance of this water use registration does not imply that any further approvals will be granted by the Department of Environmental Protection for the diversion of water in excess of 100,000 gallons of water per day (gpd) for use at this facility. Any construction activities undertaken by the registrant, that may require the use of water in excess of 100,000 gpd, are done so at the registrant's own risk.

11345W is your Program Interest ID and WUR100001 is your Permit Activity Number, and will appear on all forms and correspondence from the Bureau of Water Allocation. Reference your Program Interest ID and Activity No. in all correspondence.

Review the enclosed Water Use Registration to ensure its accuracy and your understanding of the conditions contained therein. If any of the information contained in this registration is incomplete or incorrect notify the Bureau in writing so your file can be updated.

If you have any questions, contact Ken Komar at (609) 292-2957.

Sincerely,



Scott Tyrrell
Section Chief
Bureau of Water Allocation

Enclosures

Certified Mail No.: 7007 0220 0002 1055 0469

c: Northern Bureau of Water Compliance & Enforcement
Ken Komar, BWA



State of New Jersey
Department of Environmental Protection
Bureau of Water Allocation
PO Box 426, Trenton, New Jersey 08625-0426



Water Use Registration

The New Jersey Department of Environmental Protection grants this permit* in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents.

Program Interest ID: 11345W Permit Number: WUR100001	Issuance Date: 06/30/2010	Effective Date: 07/01/2010	
Name and Address of Applicant PPG SITE 114 4325 Rosanna Drive ALLISON PARK, PA 15101	Location of Activity/Facility Jersey City Hudson		
	Type of Permit Water Use Registration - New	Statute(s) N.J.S.A. 58:1A-1	

This water use registration grants permission to divert water from the approved sources in the attached permit inventory, in the following municipalities, for the following water uses:

MUNICIPALITY Jersey City	COUNTY Hudson	Water Uses: Pollution Control
------------------------------------	-------------------------	--------------------------------------

This water use registration is subject to the attached Conditions.

* Permit means Certification, Approval, Registration, Equivalency, etc.

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
DEWATERING/ TRENCH SOURCES	EXCAVATION TRENCH	WSRM0000919299

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
PPG SITE 114	11345W WU REG - ALL DIVERSION SOURCES	WSWA0000919300	DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 07/01/2010 -

Subject Item	Parameter	Limit
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	Water Diverted	< 3.1 Million Gallons Per Month. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Parameter	Limit
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Rated Pump Capacity	<= 300 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	The monthly diversion for each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter

Record Keeping Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	A log book of the monthly hours of operation for each authorized non-metered diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Hours of Operation	Log Book

Submittal/Action Requirements

Final Permit Phase from 07/01/2010 -

Applicable Subject Items	Submittal/Action Type	Requirement
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Submit Annual Water Use Report	The required monitoring results shall be recorded on the form provided by the Department. The completed report shall be submitted by January 31st of each year. [N.J.A.C. 7:19- 2]
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	Submit Water Use Registration Metering Form	The completed form must be submitted within 60 days from the effective date of this document. [N.J.A.C. 7:19- 2]
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Submit Proof of Flow Meter Calibration	Proof of flow meter calibration for the specified diversion source(s) shall be submitted prior to placing the source into operation. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)

1. The total diversion from all sources shall not exceed or equal 3.1 million gallons per month (mgm). Any exceedance of this limit will be considered a violation of N.J.A.C. 7:19-1.4 et seq. and may result in penalties (fines). [N.J.A.C. 7:19-18]
2. The issuance of this water use registration does not imply that any further approvals will be granted by the Bureau of Water Allocation for the diversion of water in excess of 100,000 gallons of water per day (gpd) for use at this facility. Any construction activities undertaken by the registrant, that may require the use of water in excess of 100,000 gpd, are done so at the registrant's own risk. [N.J.A.C. 7:19- 2]
3. This registration does not waive the obtaining of any Federal or other State or local government consent when necessary. [N.J.A.C. 7:19- 2]
4. All diversion sources shall be metered with a totalizing flow meter prior to use authorized by this Water Use Registration. [N.J.A.C. 7:19- 2]
5. All diversion source meters are required to be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
6. All wells shall be equipped with a metal tag showing the well permit numbers, as listed in the permit inventory, or the permit numbers must be painted on the well casing. [N.J.A.C. 7:19- 2]
7. Wells which are no longer used must be decommissioned in accordance with N.J.A.C. 7:9D-3.1 et seq. [N.J.A.C. 7:9D-3]
8. The addition of a new diversion source requires prior approval by the Department through a modification of the registration. [N.J.A.C. 7:19- 2]
9. The pumping equipment capacity shall not be increased without prior approval by the Department. [N.J.A.C. 7:19- 2]
10. The issuance of this registration shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
11. The granting of this registration shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:19- 2]
12. A copy of this registration shall be kept at the work site, and shall be exhibited upon request of any person. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)

13. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the registrant, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or registrant. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
14. The registrant shall protect each diversion source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER ALLOCATION
P.O. BOX 426
TRENTON, NJ 08625
(609) 292-2957

WATER USE REGISTRATION METERING FORM

This form is to be completed within 60 days of receipt of your registration number or within 60 days of completion of your diversion source, whichever occurs last. All diversions must be metered, with a totalizing flow meter, at the source.

REGISTRATION NUMBER	_____	COMPANY	_____
CONTACT PERSON	_____	ADDRESS	_____
PHONE NUMBER	_____		_____

1. Complete the following information for all diversion sources. (wells, ponds, stream intakes)

Source	Well Permit No.	Meter Type	Manufacturer	Date Installed

2. Provide details of the proposed schedule for calibration of each meter. All meters must be calibrated at least once every five years.

Meter readings must be taken and recorded at the beginning of every month, so the monthly usage can be tracked accurately.



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

Compliance and Enforcement
Mail Code 401-04B
P. O. Box 420
Trenton, New Jersey 08625-0420

BOB MARTIN
Commissioner

June 12, 2015

PPG SITE 114
4325 Rosanna Dr,
Allison Park, PA 15101

Reference: PPG SITE 114
PROGRAM INTEREST ID # 11345W
PROGRAM: Water Supply
INSPECTION DATE: May 27, 2015
Compliance Inspection # SCI 150001

Dear Sir or Madame:

On May 27, 2015, an inspection was conducted at your facility/site by John Zuzeck, of the Water Supply program. The inspector determined that your facility was in compliance with applicable Department regulations and/or Permit conditions. Therefore, the Department now considers this inspection closed.

Please note this letter pertains only to the observations of the equipment/area/conditions that were part of the inspection that occurred on May 27, 2015.

You may review the inspection report online at www.nj.gov/dep/inspections. Once you have accessed DEP's web site, please follow the instructions on the reverse side of page 2 of the enclosure. This web site also gives you the opportunity to provide us feedback about our operations. We would appreciate your input and will share all results with you upon your completion of a survey.

The Department appreciates the continued operation of your facility/site in an environmentally responsible manner.

If you have any questions regarding this inspection or correspondence, please contact John Zuzeck, of the Water Supply program, at (973) 656-4099.

Very truly yours,

John Giordano
Assistant Commissioner

Enclosure

**Emergency Approval for Water
Use Registration**



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

PHILIP D. MURPHY
GOVERNOR

SHEILA Y. OLIVER
LT. GOVERNOR

CATHERINE R. MCCABE
COMMISSIONER

Mail Code 401-04Q
Division of Water Supply & Geoscience
New Jersey Geological and Water Survey Element
Bureau of Water Allocation & Well Permitting
401 E. State Street - P.O. Box 420
Trenton, New Jersey 08625-0420
Tel #: (609) 984-6831 - Fax #: (609) 633-1231
<https://www.nj.gov/dep/watersupply/>

May 28 2019

PPG
ATTN: Jody Overmyer
440 College Park Drive
Monroeville, PA 15146

Re: Emergency Approval for Water Use Registration No. 2635P
PPG Garfield Avenue Group Sites
Activity No. EWS190001

Dear Ms. Overmyer:

The Bureau of Water Allocation and Well Permitting (Bureau) is in receipt of the May 20, 2019 letter submitted on behalf of PPG Garfield Avenue Group Sites, requesting emergency approval to divert a maximum of 3,200 gallons per minute (gpm) and up to 6 million gallons of water per month (MGM) from the existing dewatering/ trench sources. Based on the information submitted, pursuant to N.J.A.C. 7:19-1.4(a)4, the proposed diversion from existing dewatering/ trench sources meets the requirements for an emergency diversion and is therefore approved.

The Bureau has received and is currently process the Water Allocation Permit application request to permanently increase the maximum diversion rate and monthly allocation limit above the limits provided for under Water Use Registration No. 11345W.

If you have any questions, please contact Kenneth M. Komar of my staff at 609-984-6831.

Sincerely,

Terry Pilawski, Chief
Bureau of Water Allocation & Well Permitting

C: Cameron Dixon, AECOM
Don Hirsch, Northern Enforcement
David Pepe, Permit Coordination

PPG GARFIELD AVENUE GROUP SITES
11345W

Emergency Non Public Water Source : EWS190001

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
DEWATERING/ TRENCH SOURCES	EXCAVATION TRENCH	WSRM0000919299

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
PPG SITE 114	2635P WA PERMIT - ALL DIVERSION SOURCES	WSWA0000919300	DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Emergency Non Public Water Source : EWS190001

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase

Subject Item	Parameter	Limit
PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)	Maximum Diversion Rate	<= 3200 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 6 Million Gallons Per Month. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase

Subject Item	Parameter	Limit
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Rated Pump Capacity	<= 3200 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Emergency Non Public Water Source : EWS190001

Record Keeping Requirements

Final Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)	A log book of month end meter readings for each diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Meter Reading	Log Book

Submittal/Action Requirements

Final Permit Phase

Applicable Subject Items	Submittal/Action Type	Requirement
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Submit Private Quarterly Report	The required monitoring results shall be recorded on the form provided by the Department. The completed form shall be submitted within 30 days after the end of each quarter. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)

1. Water may be diverted under this emergency permit for pollution control. [N.J.A.C. 7:19- 2]
2. Water may be diverted under this permit only from the approved diversion sources at the maximum rates specified. [N.J.A.C. 7:19- 1]
3. A major modification of this permit may be required in order to request the approval of any additional diversion sources or an increase in the pumping capacity. [N.J.A.C. 7:19- 2]
4. The permitted monthly and annual allocation limits are based on the aggregate water diverted for each source on a monthly and annual basis. This aggregate water diverted, or total diversion, is equal to the sum of all dewatering and trench diversions. [N.J.A.C. 7:19- 2]
5. All diversion sources shall be metered with a totalizing flow meter. [N.J.A.C. 7:19- 2]
6. At a minimum, each diversion source flow meter shall be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
7. Each flow meter shall be calibrated to within five percent accuracy. [N.J.A.C. 7:19- 2]
8. All wells shall be equipped with a metal tag showing the well permit numbers (source designation) as listed in the allocation permit inventory or have the well permit numbers painted on the casings. [N.J.A.C. 7:19- 2]
9. The pumping equipment capacity shall not be increased without prior approval from the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 1]
10. Any well not intended for use shall be decommissioned in accordance with N.J.A.C. 7:9D-3.1 et seq. [N.J.A.C. 7: 9D- 3]
11. Wells shall be constructed so that static water level (depth to water) can be determined at any time. [N.J.A.C. 7:19- 2]
12. The Department may modify, suspend or terminate this permit, after due process, for violations of permit conditions, N.J.S.A. 58:1A-1, N.J.A.C. 7:19-1 et seq., any orders issued by the Department, or when in the public interest. [N.J.A.C. 7:19- 2]

PPG GARFIELD AVENUE GROUP SITES
2635P

Emergency Non Public Water Source : EWS190001

Text Requirements

All Phases

PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)

13. The permittee shall investigate to the Department's satisfaction complaints by users of wells or surface water supplies within the zone of influence of its diversion to determine what impact the diversion has had on such wells or surface water supplies. A report on these investigations shall be forwarded to the Bureau of Water Allocation and Well Permitting. Any well or surface water supply which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a water source as a result of the permittee's diversions shall be repaired or replaced at the expense of the permittee. Work shall be in accordance with all State, County and Municipal construction standards for potable water. After reviewing all applicable investigational reports the Department of Environmental Protection will make the final determination regarding the validity of such complaints, the scope or sufficiency of such investigations, and will determine how to resolve any problems resulting from the diversion. [N.J.A.C. 7:19- 2]
14. This permit is issued for a limited period, and is not subject to automatic renewal. [N.J.A.C. 7:19- 2]
15. The permittee is subject to such fees as may be prescribed by the regulations. [N.J.A.C. 7:19- 3]
16. The permittee shall have the right to apply at any time for modification of this permit by submission of the appropriate application forms. [N.J.A.C. 7:19- 2]
17. The permittee may informally discuss the terms and conditions of this permit at any time with the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 2]
18. If the permittee violates any condition of this permit, the permittee is subject to administrative penalties up to \$25,000 per day per offense as specified. [N.J.S.A. 58: 1A-16]
19. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
20. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey. [N.J.A.C. 7:19- 2]
21. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:19- 2]
22. A copy of this permit shall be kept at the facility site, and shall be exhibited upon request of any authorized Department representative. [N.J.A.C. 7:19- 2]
23. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the permittee, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or permittee. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
24. This permit may be transferred, with the consent of the Department, but only for the identical use of the waters. [N.J.A.C. 7:19- 2]
25. If the authorized diversion privileges are not currently diverted, subject to contract, or reasonably required for a demonstrated future need, they shall revert back to the State upon renewal or modification of the permit. [N.J.A.C. 7:19- 2]
26. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]
27. This permit shall expire as indicated on the permit approval cover page. [N.J.A.C. 7:19- 2]

Water Allocation Permit



State of New Jersey

PHILIP D. MURPHY
GOVERNOR

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CATHERINE R. McCABE
COMMISSIONER

SHEILA Y. OLIVER
LT. GOVERNOR

Mail Code 401-04Q
Division of Water Supply & Geoscience
New Jersey Geological and Water Survey Element
Bureau of Water Allocation & Well Permitting
401 E. State Street - P.O. Box 420
Trenton, New Jersey 08625-0420
Tel #: (609) 984-6831 - Fax #: (609) 633-1231
<https://www.nj.gov/dep/watersupply/>

January 22, 2020

PPG Industries
440 College Park Drive
Monroeville, PA 15146
Attn: Jody Overmyer

Re: **Water Allocation Permit - New**
Program Interest ID/ Permit No. 2635P Activity No. WAP190001

Dear Ms. Overmyer:

Enclosed is a permit issued pursuant to the Water Supply Management Act, N.J.S.A. 58:1A-1 et seq. This permit becomes effective on January 24, 2020 and is to divert water from a series of extraction and injections wells and trenches in the following Municipality and County:

MUNICIPALITY	COUNTY
Jersey City	Hudson

2635P is your Program Interest ID and WAP190001 is your Permit Activity Number and will appear on all forms and correspondence from the Bureau of Water Allocation & Well Permitting. Reference your Program Interest ID and Activity No. in all correspondence.

Be advised that as you are responsible for complying with the terms and conditions of the enclosed permit you should review them thoroughly. Failure to comply with any or all of the terms and conditions could result in penalties and/or revocation of the permit.

Within 20 calendar days following your receipt of this permit you may submit a request for an adjudicatory hearing to contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:19-2.13.

To request a hearing, the permittee must complete the Administrative Hearing Checklist found at <https://www.state.nj.us/dep/watersupply/pdf/bwawp-admin-hearing-ck.pdf> and supply all the information specified in Part 3 of the form. A copy of the completed, signed and dated checklist,

together with all of the information required by Part 3 of the form, including attachments where specified, must be submitted to:

1. Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
New Jersey Department of Environmental Protection
Mail Code 401-04L
P.O. Box 402
Trenton, New Jersey 08625

2. Terry D. Pilawski, Chief
New Jersey Department of Environmental Protection
Mail Code 401-04Q
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420

Very truly yours,



Terry D. Pilawski, Chief
Bureau of Water Allocation & Well Permitting

Enclosure

Certified Mail No.: 7019 1120 0000 8932 7200

C: Bureau of Water Allocation & Well Permitting
Northern Bureau of Water Compliance & Enforcement
Ken Komar, BWAWP
Cameron Dixon, AECOM



State of New Jersey
 Department of Environmental Protection
 Bureau of Water Allocation & Well Permitting
 PO Box 426, Trenton, New Jersey 08625-0426



Water Allocation Permit

The New Jersey Department of Environmental Protection grants this permit* in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents.


Program Interest ID/ Permit Number: 2635P Activity Number: WAP190001	Issuance Date: 01/22/2020	Effective Date: 01/24/2020	Expiration Date: 12/31/2029
Name and Address of Applicant PPG GARFIELD AVENUE GROUP SITES 4325 Rosanna Dr ALLISON PARK, PA 15101		Location of Activity/Facility Jersey City Hudson	
		Type of Permit Water Allocation Permit - New	Statute(s) N.J.S.A. 58:1A-1

This permit grants permission to divert water from the approved sources in the attached permit inventory, in the following municipalities, for the following water uses:

MUNICIPALITY Jersey City	COUNTY Hudson	Water Uses: Pollution Control
------------------------------------	-------------------------	--------------------------------------

This permit is subject to the attached Conditions.

Approved by the authority of:
 Catherine R. McCabe, Commissioner
 Department of Environmental Protection


 Terry D. Pilawski, Chief
 Bureau of Water Allocation & Well Permitting

1/22/2020
 Date

* Permit means Certification, Approval, Registration, Equivalency, etc.

STAFF REPORT
NEW PERMIT

In the matter of:
PPG GARFIELD AVENUE GROUP SITES
Water Allocation Permit No. 2635P
Jersey City Hudson County

In compliance with the provisions of N.J.S.A. 58:1A-1 et seq., PPG GARFIELD AVENUE GROUP SITES, 4325 Rosanna Dr, ALLISON PARK, New Jersey, 15101, filed a new application with the Department of Environmental Protection on May 10, 2019. The application requests the privilege to divert a maximum of 6 million gallons of water during any month (MGM), not to exceed 50 million gallons per year (MGY) at a maximum rate of 3,200 gallons per minute (gpm) from existing trench dewatering/ remediation system. This request represents a new allocation permit for sources previously contained in Water Use Registration No. 11345W and represents an increase of 2.9 MGM and 2,900 gpm above the previous limit of less than 3.1 MGM and 300 gpm respectively, and the establishment of an annual allocation limit of 50 MGY.

Diversion is for the purpose of contamination control and remediation.

Public notice was required as this is a new diversion permit request.

No requests for a hearing were filed upon the notice published on December 18, 2019 in the Jersey Journal.

Background/Findings of Fact

- Water is requested to be diverted under this new permit for pollution control from the following sources at the maximum rates specified below:

Source

Well Name or Designation	Pump Capacity (gpm)	Aquifer
EXCAVATION TRENCHES/ REMEDATION SOURCES	3,200	LOCKATONG FORMATION

The applicant's remediation system includes a series of extraction and injection wells associated with the groundwater remediation system, detention/retention basins, and excavation trenches or sumps for excavation dewatering. The applicant requested to meter the combined water diversion at the discharge end of the remediation since all water diverted at the site is considered to be contaminated and must be treated prior to discharge.

The following wells are associated with the groundwater extraction/injection system:

Well No.	Well Permit No.	Depth (feet)	Aquifer
114-P1-IRM-9	E201711736*	39.9	LOCKATONG FORMATION
114-P1-IRM-11	E201711736*	43	LOCKATONG FORMATION
114-P1-IRM-41D	E201707533	68.9	LOCKATONG FORMATION
114-P1-IRM-41I	E201707532	42	LOCKATONG FORMATION
114-P1-IRM-42D	E201711737*	61.2	LOCKATONG FORMATION
114-P1-IRM-28I	E201711736*	42.5	LOCKATONG FORMATION
114-P1-IRM-28D	E201711737*	57.4	LOCKATONG FORMATION
114-P1-IRM-29I	E201711736*	47.46	LOCKATONG FORMATION
114-P1-IRM-29D	E201711737*	67.9	LOCKATONG FORMATION
114-P1-IRM-33I	E201711736*	43.3	LOCKATONG FORMATION
114-P1-IRM-33D	E201711737*	47.4	LOCKATONG FORMATION
114-P1-IRM-34I	E201711736*	41.92	LOCKATONG FORMATION
114-P1-IRM-34D	E201711737*	53.45	LOCKATONG FORMATION
114-P1-IRM-36I	E201711950*	42.87	LOCKATONG FORMATION
114-P1-IRM-36D	E201711951*	43.4	LOCKATONG FORMATION
114-P1-IRM-37I	E201711950*	40.74	LOCKATONG FORMATION
114-P1-IRM-37D	E201711951*	48.3	LOCKATONG FORMATION
114-P1-IRM-38	E201711950*	42.6	LOCKATONG FORMATION
114-P1-IRM-39	E201711950*	41.45	LOCKATONG FORMATION
114-P1-IRM-40I	E201711736*	39.32	LOCKATONG FORMATION
114-P1-IRM-40D	E201711737*	67	LOCKATONG FORMATION
114-P1-IRM-42I	E201711736*	42.3	LOCKATONG FORMATION
114-P1-IRM-12	E201711736*	41.5	LOCKATONG FORMATION
114-P1-IRM-23D	E201707534	68.05	LOCKATONG FORMATION

* Wells constructed under a Sitewide Well Permit

2. This application request is for a new Water Allocation Permit for sources that were previously authorized under Water Use Registration No. 11345W. The Water Use Registration was issued on June 30, 2010 and authorized the diversion of less than 100,000 gallons of water per day from a series of excavation trenches at the site. Emergency approval of the diversion of a maximum of 3,200 gpm and 6 MGM from the sources referenced above was effective on June 1, 2019 pursuant to N.J.A.C. 7:19-1.4(a) 4.
3. A review of historic use at the facility indicates the following water use:

Year	Annual Use (mg)	Maximum Monthly Use (mg)(peak month)	Average Monthly Use (mg)	Existing Allocation (MGM)
2018	7.13	1.08 (OCT)	0.59	< 3.1
2017	8.23	1.57 (JAN)	0.75 (Eleven months)	< 3.1
2016	6.78	1.28 (MAR)	0.68 (Ten months)	< 3.1
2015	10.72	2.09 (MAR)	0.97 (Eleven months)	< 3.1
2014	17.936	2.87 (JUNE)	1.49	< 3.1

4. The applicant's diversion sources are located within the Northeast Drought Region and Watershed Management Area No. 5 - Hackensack, Hudson, and Pascack Rivers.
5. A site inspection was not conducted as part of the review of this permit application.
6. The applicant does not meter each individual extraction point but instead meters the total treated water with a meter on the discharge side of the groundwater treatment system. A new non-resettable flow meter was installed on January 17, 2019.
7. The following wells have been abandoned, decommissioned, are inactive or unused:

Well No.	Well Permit No.	Depth (feet)	Status
CAN-3	E201200540	40	Decommissioned 01/05/2012
CAN-5	E201200542	40	Decommissioned 07/06/2012
CAN-1	E201200538	16	Decommissioned 04/26/2012
CAN-8	E201200545	15	Decommissioned 05/24/2012
CAN-4	E201200541	15.5	Decommissioned 05/24/2012
CAN-15	E201200552	15	Decommissioned 07/05/2012
CAN-2	E201200539	40	Decommissioned 07/05/2012
CAN-7	E201200544	40	Decommissioned 07/06/2012
CAN-9	E201200546	40	Decommissioned 07/06/2012
CAN-10	E201200547	40	Decommissioned 07/06/2012
CAN-11	E201200548	15	Decommissioned 07/06/2012
CAN-14	E201200551	40	Decommissioned 07/06/2012
CAN-17	E201200553	40	Decommissioned 07/05/2012
CAN-18	E201200554	15	Decommissioned 07/05/2012
CAN-22	E201200559	20	Decommissioned 02/15/2013
CAN-12	E201200549	39	Decommissioned 07/06/2012
CAN-13	E201200550	40	Decommissioned 07/05/2012
CAN-23	E201200560	15	Decommissioned 02/15/2013

Well No.	Well Permit No.	Depth (feet)	Status
CAN-24	E201200561	16	Decommissioned 02/15/2013
CAN-30	E201200567	17	Decommissioned 04/10/2013
CAN-25	E201200562	18	Decommissioned 03/15/2013
CAN-32	E201200569	18	Decommissioned 04/14/2013
CAN-27	E201200564	16	Decommissioned 03/15/2013
CAN-28	E201200565	14	Decommissioned 03/15/2013
CAN-29	E201200566	14	Decommissioned 03/15/2013
CAN-26	E201200563	20	Decommissioned 03/15/2013
CAN-33	E201200570	19	Decommissioned 04/14/2013
CAN-31	E201200568	16	Decommissioned 04/05/2013
REL-12	E201200586	16	Decommissioned 05/30/2013
REL-20	E201200572	15	Decommissioned 10/15/2013
REL-11	E201200585	16	Decommissioned 05/30/2013
REL-19	E201200571	14	Decommissioned 10/09/2013
REL-21	E201200573	15	Decommissioned 11/13/2013
REL-22	E201200574	13	Decommissioned 11/20/2013
REL-23	E201200575	12	Decommissioned 11/20/2013
REL-10	E201200584	17	Decommissioned 06/12/2013
CAN-6	E201200543	40	Decommissioned 07/06/2012
REL-24	E201200576	15	Decommissioned 07/09/2014

8. The applicant is currently in compliance with all permit conditions.
9. Water diverted from the groundwater remediation system is treated onsite and reinjected to groundwater. Water collected within the retention basins is treated on site and then discharged to the Passaic Valley Sewerage Commission under Permit No. NJ0021016. The treatment works are not under a sewer connection ban or other restriction imposed by NJDEP.
10. There are no identified sub-surface diversions in the same aquifer within the radius of influence or public water supply wells regulated by the Water Allocation Permit program within a 5-mile radius of the proposed diversion.
11. According to the DEP-GIS-Geoweb 2012 Contaminated Sites list, and OPRA On-line Report web page information, there are no other known potential pollution sites within twice the radius of influence of the diversion.
12. The applicant has indicated that the new diversion is not located in a freshwater wetlands or transition area per N.J.A.C. 7:19-2.2(f)6.
13. The estimated consumptive use of water is 100 percent, which is equivalent to 0.195 MGD based

upon the applicant's requested monthly allocation limit. The actually consumptive nature of the diversion may be lower since some of the water diverted will be reinjected to groundwater onsite.

Staff Analysis and Conclusions

1. The applicant's diversions are part of an ongoing remediation project that was previously approved under Water Use Registration No. 11345W and Emergency Approval 2635P/ EWS190001. The project calls for the use of groundwater extraction and injection wells associated with the groundwater remediation system. These wells are located at Site 114, that is surrounded with sheet piling down to bedrock. Any potential impacts associated with the groundwater extraction system would be minimal and limited to the site. Site 114 also contains four stormwater detention/retention basins. These basins typically retain approximately four to six inches of water that require dewatering to allow for the installation of future groundwater remediation wells. Water removed from the retention basin will be discharged to the Passaic Valley Sewerage Commission after treatment. Likewise, any potential impacts associated with the dewatering of these basins will be limited to the site by the sheet piling surrounding Site 114.

The remediation project will require additional soil excavation located along Carteret Avenue, Halladay Street, and numerous sites located between Caven Point and Carteret Avenues. Three-dimensional numerical groundwater flow and solute transport modeling was performed to simulate the need for dewatering of the extraction trenches or sumps. Based on the modeling, the projected radius of influence was calculated to be 200 feet.

2. The applicant's proposed water use is reasonable. Demand projections provided by the applicant indicate that their future demands will be 4.8 MGM and 25.6 MGY. Analysis of this in conjunction with historical use and supporting documentation provided with the application shows that an allocation of 6 MGM and 50 MGY should be sufficient to meet their needs.
3. The Department views local governmental approval of a project as signifying that it is in the public interest. Once all local approvals are granted, the proposed diversion will be considered in the public interest in accordance with N.J.A.C. 7:19-2.2(f)1.
4. The applicant has indicated that approval of the use of Lockatong Formation would not exceed the natural replenishment or safe yield of the water resource or threaten to exhaust such waters or render them unfit for use. The Bureau's analysis of the application confirms this. This finding is based upon the applicant reinjecting treated water back into groundwater and the localized extent of the impacts due to the use of sheet piling.

Therefore, approval of this application at the recommended rates is in accordance with N.J.A.C. 7:19-2.2(f)2.

5. There are no identified small capacity wells within one mile of the diversion or large capacity users within twice the projected radius of influence for the extraction trenches. Therefore, the proposed diversion is just and equitable to the other ground and surface water users as it does adversely affect other existing withdrawals, and approval of this application at the recommended rates is in accordance with N.J.A.C. 7:19-2.2(f)3.

6. The applicant has indicated that the proposed diversion will not contribute to salt water intrusion. According to the applicant's consultant, the site is 3,000 feet from the Upper New York Bay and a mile from any Hudson Bay bulkhead line. The area surrounding the site is constructed on historic fill in tidal and marshy areas and as such the underlying groundwater is naturally brackish.

The applicant indicated that the diversion is not expected to contribute to the spread of groundwater pollution. According to the applicant's consultant, the diversion is not expected to contribute to the spread of groundwater pollution since the site is enclosed with sheet piling down to bedrock that will limit the effects of pumping to the site. Based upon this, the Bureau's analysis indicates that the proposed diversion will not cause an increase in saline intrusion, will not spread ground water contamination nor interfere with any groundwater remediation.

Therefore, the proposed diversion is in accordance with N.J.A.C. 7:19-2.2(f)4.

7. The applicant has indicated by submission of a map showing wetlands that any structures required for the proposed diversion are not located within a designated freshwater wetland or transition area. The Bureau's review of confirms this. Therefore, no further action is warranted and the proposed diversion in in accordance with N.J.A.C. 7:19-2.2(f) 6.
8. The applicant's diversion is for groundwater and soil remediation and therefore is the lowest quality water for the intended use. Therefore, the proposed diversion is in accordance with N.J.A.C. 7:19-2.2(g).
9. The proposed diversion is located within the Hackensack, Hudson, and Pascack Rivers Watershed Management Area (WMA). The 2017 New Jersey Water Supply Plan recommends the efficient use of the State's limited freshwater resources and to limit the consumptive or depletive use of groundwater above any reservoir, pump station, or surface water intake. The applicant's diversion is for groundwater remediation, is not located above any surface water intakes or reservoirs, will be temporary in nature, and is for the purpose of groundwater and soil remediation. Therefore, this application is in accordance with N.J.A.C. 7:19-2.2(h).

Summary

The Department has completed its review of this application pursuant to N.J.A.C. 7:19-1 et. seq. The review of this application reveals that it does not have any adverse impacts and meets, based upon the information certified to in the application, the statutory requirements of N.J.S.A. 58:1A-1 et. seq.

Therefore, based upon a review of the information submitted with the application, existing water allocation files, and the attached New Jersey Geological and Water Survey review of the application, the following conclusions have been reached regarding this application:

- The application should be approved at the requested allocation of 6 MGM, not to exceed 50 MGY;
- The maximum diversion rate should be established at 3,200 gpm;
- This Water Allocation Permit should replace the existing Emergency Approval set effective on June 1,

2019.

This application should be approved in accordance with the attached Permit Requirements as the applicant has satisfied the requirements of N.J.A.C. 7:19-2.2 et seq.

References

In addition to the historical information on file at the Bureau of Water Allocation & Well Permitting and the application submitted, the following information sources were also utilized to establish the recommendations contained within this Staff Report:

March 1, 2001. The New Jersey State Development and Redevelopment Plan. New Jersey State Planning Commission, Trenton, New Jersey.

New Jersey Department of Environmental Protection, 2017, New Jersey Water Supply Plan 2017-2022: 484p, <http://www.nj.gov/dep/watersupply/wsp.html>

Recommendations

Issuance of the new permit is recommended with an expiration date of ten years from the effective date and is subject to the attached Permit Requirements:

Date: 01/21/2020



Kenneth M. Komar
Principal Geologist
Bureau of Water Allocation & Well Permitting

JMM
1/22/2020
JMM
1/22/2020

PPG GARFIELD AVENUE GROUP SITES
2635P

Water Allocation Permit : WAP190001

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
EXCAVATION TRENCHES/ REMEDIATION SOURC.	DEWATERING, TRENCH, & GROUNDWATER EXTRACTION SOURCES	WSRM0000919299

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
PPG SITE 114	2635P WA PERMIT - ALL DIVERSION SOURCES	WSWA0000919300	EXCAVATION TRENCHES/ REMEDIATION SOURCES, DEWATERING, TRENCH, & GROUNDWATER EXTRACTION SOURCES (WSRM919299)

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Water Allocation Permit : WAP190001

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 01/24/2020 -

Subject Item	Parameter	Limit
PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)	Maximum Diversion Rate	<= 3200 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 6 Million Gallons Per Month. [N.J.A.C. 7:19- 2]
		<= 50 Million Gallons Per Year. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 01/24/2020 -

Subject Item	Parameter	Limit
EXCAVATION TRENCHES/ REMEDICATION SOURCES, DEWATERING, TRENCH, & GROUNDWATER EXTRACTION SOURCES (WSRM919299)	Rated Pump Capacity	<= 3200 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 01/24/2020 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
EXCAVATION TRENCHES/ REMEDICATION SOURCES, DEWATERING, TRENCH, & GROUNDWATER EXTRACTION SOURCES (WSRM919299)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Water Allocation Permit : WAP190001

Record Keeping Requirements

Final Permit Phase from 01/24/2020 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)	A log book of month end meter readings for each diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Meter Reading	Log Book

Submittal/Action Requirements

Final Permit Phase from 01/24/2020 -

Applicable Subject Items	Submittal/Action Type	Requirement
EXCAVATION TRENCHES/ REMEDIATION SOURCES, DEWATERING, TRENCH, & GROUNDWATER EXTRACTION SOURCES (WSRM919299)	Submit Private Quarterly Report	The required monitoring results shall be recorded on the form provided by the Department. The completed form shall be submitted within 30 days after the end of each quarter. [N.J.A.C. 7:19- 2]
PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)	Submit Renewal Application	A renewal application shall be submitted three months prior to the expiration date. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)

1. Water may be diverted under this new permit for pollution control. [N.J.A.C. 7:19- 2]
2. Water may be diverted under this permit only from the approved diversion sources at the maximum rates specified. [N.J.A.C. 7:19- 1]
3. A major modification of this permit may be required in order to request the approval of any additional diversion sources or an increase in the pumping capacity. [N.J.A.C. 7:19- 2]
4. The permitted monthly and annual allocation limits are based on the aggregate water diverted for each source on a monthly and annual basis. This aggregate water diverted, or total diversion, is equal to the sum of all well diversions and the corrected storage pond diversion. [N.J.A.C. 7:19- 2]
5. All diversion sources shall be metered with a totalizing flow meter. [N.J.A.C. 7:19- 2]
6. At a minimum, each diversion source flow meter shall be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
7. Each flow meter shall be calibrated to within five percent accuracy. [N.J.A.C. 7:19- 2]
8. All wells shall be equipped with a metal tag showing the well permit numbers (source designation) as listed in the allocation permit inventory or have the well permit numbers painted on the casings. [N.J.A.C. 7:19- 2]

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Water Allocation Permit : WAP190001

Text Requirements

All Phases

PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)

9. The pumping equipment capacity shall not be increased without prior approval from the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 1]
10. Wells shall be constructed so that static water level (depth to water) can be determined at any time. [N.J.A.C. 7:19- 2]
11. The Department may modify, suspend or terminate this permit, after due process, for violations of permit conditions, N.J.S.A. 58:1A-1, N.J.A.C. 7:19-1 et seq., any orders issued by the Department, or when in the public interest. [N.J.A.C. 7:19- 2]
12. The permittee shall investigate to the Department's satisfaction complaints by users of wells or surface water supplies within the zone of influence of its diversion to determine what impact the diversion has had on such wells or surface water supplies. A report on these investigations shall be forwarded to the Bureau of Water Allocation and Well Permitting. Any well or surface water supply which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a water source as a result of the permittee's diversions shall be repaired or replaced at the expense of the permittee. Work shall be in accordance with all State, County and Municipal construction standards for potable water. After reviewing all applicable investigational reports the Department of Environmental Protection will make the final determination regarding the validity of such complaints, the scope or sufficiency of such investigations, and will determine how to resolve any problems resulting from the diversion. [N.J.A.C. 7:19- 2]
13. This permit is issued for a limited period, and is not subject to automatic renewal. [N.J.A.C. 7:19- 2]
14. The permittee is subject to such fees as may be prescribed by the regulations. [N.J.A.C. 7:19- 3]
15. The permittee shall have the right to apply at any time for modification of this permit by submission of the appropriate application forms. [N.J.A.C. 7:19- 2]
16. The permittee may informally discuss the terms and conditions of this permit at any time with the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 2]
17. If the permittee violates any condition of this permit, the permittee is subject to administrative penalties up to \$25,000 per day per offense as specified. [N.J.S.A. 58: 1A-16]
18. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
19. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey. [N.J.A.C. 7:19- 2]
20. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:19- 2]
21. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:19- 2]
22. A copy of this permit shall be kept at the facility site, and shall be exhibited upon request of any authorized Department representative. [N.J.A.C. 7:19- 2]
23. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the permittee, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or permittee. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
24. This permit may be transferred, with the consent of the Department, but only for the identical use of the waters. [N.J.A.C. 7:19- 2]

**PPG GARFIELD AVENUE GROUP SITES
2635P**

Water Allocation Permit : WAP190001

Text Requirements

All Phases

PPG SITE 114, 2635P WA PERMIT - ALL DIVERSION SOURCES (WSWA919300)

25. If the authorized diversion privileges are not currently diverted, subject to contract, or reasonably required for a demonstrated future need, they shall revert back to the State upon renewal or modification of the permit. [N.J.A.C. 7:19- 2]
26. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]
27. This permit shall expire as indicated on the permit approval cover page. [N.J.A.C. 7:19- 2]

2017 NJDEP Permit-by-Rule Approval



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Site Remediation and Waste Management Program
Mail Code 401-06
P.O. Box 420
Trenton, NJ 08625-0420

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

11 October 2017

Jody Overmyer, Remediation Project Engineer
PPG Industries, Inc.
440 College Park Drive
Monroeville, PA 15146

Re: Discharge to Ground Water Authorization
Garfield Avenue Group and Former Halladay Street Gas Works
City of Jersey City, Hudson County
Program Interest Numbers: G000008791, G000005480, G000008749, 025695, 246332,
G000008753, G000008759, 629388, and 722429

Dear Ms. Overmyer,

This New Jersey Pollutant Discharge Elimination System/Discharge to Ground Water (NJPDES/DGW) authorization is hereby issued under the authority of the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 *et seq.* and the implementing regulations, N.J.A.C. 7:14A-1 *et seq.* N.J.A.C. 7:14A-7.5 authorizes the discharge described below which will allow the continued application of FerroBlack[®]-H to backfill to treat contaminated water in the at the above referenced sites. Pursuant to N.J.A.C. 7:14A-22.4(b)5, a Treatment Works Approval is not required for discharges to ground water authorized pursuant to N.J.A.C. 7:14A-7.5 and a licensed operator is not required pursuant to N.J.A.C. 7:10A-1.10(c)1. The discharge approved through this authorization will be added to clean backfill placed in excavations down to a depth of up to 35 feet. The discharge shall be conducted as proposed in the 13 July 2017 *Permit-by-Rule Request*. This document was submitted on your behalf by Hue Quan and Aimee Ruiter of AECOM. In addition, a technical execution plan will be developed for each remediation Phase or Site.

A public notice describing this discharge was published in the *The Jersey Journal* on 21 July 2017 which initiated a 30-day public comment period. In addition, a copy of the public notice was sent to the clerk for The City of Jersey City, the director of Jersey City's Department of Health and Human Services, and the Health Officer of the Hudson Regional Health Commission. The Department did not receive any comments on the DGW proposal.

The New Jersey Department of Environmental Protection (NJDEP) previously issued a NJPDES/Discharge to Groundwater (DGW) authorization for the Site on 17 October 2012 for the application of FerroBlack[®]-H. As of 10 July 2017, a total of 10,931 tons of FerroBlack[®]-H have been

applied to clean backfill at the Site. However, certain areas that were included in the original PBR request have not yet been remediated (e.g., Carteret Avenue, Garfield Avenue, portions of Site 137, and Site 133 [West]), and additional areas adjacent to the Site have been identified for excavation and backfilling. This PBR application requests an additional 1,500 tons of FerroBlack[®]-H for the continuation of the permit to account for the remediation of additional areas and areas that still require remediation.

Pursuant to N.J.A.C. 7:14A-2.7 the maximum approved discharge duration is five (5) years from the date of this letter, regardless of the date when the discharge first occurs. The Department shall be notified of the date when the discharge begins as instructed in section IV of this letter. Only the discharge described in Section I below is authorized. The discharge shall be conducted in conformance with this *Permit-by-Rule Request* as well as any technical execution plans, and shall comply with the requirements of Sections II, III, and IV, farther below.

I. DISCHARGE DESCRIPTION

The authorized discharge is FerroBlack[®]-H (a water based suspension of 7 to 8% by weight ferrous sulfide and 1 to 2% by weight sodium hydrosulfide) to the subsurface within additional areas of the Garfield Avenue Group of Sites and Former Halladay Street Gas Works in Jersey City, as well as areas of contiguous properties that have been identified for remediation (the Site). The areas proposed for remediation are shown on Figure 1. The FerroBlack[®]-H application is designed to convert hexavalent chromium (Cr⁺⁶) in groundwater to the less toxic and less mobile trivalent form (Cr⁺³). Under this proposal, impacted soil would be excavated and removed from the Site. Excavations could reach depths of up to 35 feet. Clean backfill would be blended using an excavator bucket with a low dose of FerroBlack[®]-H (0% to 2.0% by weight) and placed in the open excavation.

The proposed application of FerroBlack[®]-H would be part of completion of the overall remediation of the Sites. Application rates for FerroBlack[®]-H will range from 0% (no use of the amendment) to a maximum of 2.0%. Although this Permit-by-Rule allows a maximum application quantity for each Site, the actual application quantities are likely to be lower. For each remediation Phase or Site, a technical execution plan (TEP) will be prepared. The TEP will delineate exact areas and doses of FerroBlack[®]-H to be applied.

II. SYSTEM OPERATION AND MONITORING

The area of discharge shall be monitored for evidence of malfunction. Said evidence shall include, but is not limited to: breakout, wet areas, ponding, odors, and elevated PID readings in the nearby work area or building.

The discharge shall not cause any of the following negative impacts: adversely impact the behavior of free product or the plume; adversely impact a water supply well or have a long term adverse impact on ground water quality; create an unpermitted discharge to any surface water of the State or violation of Surface Water Quality Standards; create a persistent standing, ponded or surface-flowing fluid condition, or cause adverse vapor intrusion (VI) to occur.

Pursuant to N.J.A.C. 7:14A-6.2(a)5 and 11, if free product in ground water, vapors or odors in any building, or any malfunction resulting in a potential impact to a receptor are detected and are a result

of the discharge authorized by this approval, the discharger will immediately: (1) cease the discharge or make necessary adjustments to the discharge rate or system operation; and (2) repair or mitigate any negative impacts.

After completion of the discharge, the property returned to its previous condition, or as agreed to with property owner if the permittee is not the property owner.

III. GROUND WATER MONITORING REQUIREMENTS

The Permittee shall perform the following ground water sampling as was specified in the DGW proposal (including all addendums and modifications) for the purpose of complying with this Discharge to Ground Water Permit-By-Rule authorization.

Following the completion of excavation and backfill with FerroBlack®-H in the subject areas, groundwater monitoring will be conducted in accordance with the *Groundwater Monitoring Plan* (AECOM, 19 September 2017). The monitoring program will utilize existing wells and newly installed wells. Samples will be analyzed for Cr⁺⁶, TAL metals (including Cr), pH, and oxidation reduction potential (ORP). Additional groundwater sampling may be conducted as part of the overall groundwater remedy.

The Permittee shall measure ground water elevations at all sampled wells upon each sampling event and shall construct ground water flow maps with the water elevation data to document the direction of ground water flow pursuant to N.J.A.C. 7:26E-1.5(b). Pursuant to N.J.A.C. 7:26E-2.1(a)14 and N.J.A.C. 7:14A-6.2(a)14 any product observed, including sheen, shall be documented. If measurable product is observed, discharges shall be suspended until all of the recoverable product is removed from the treatment area.

Pursuant to N.J.A.C. 7:26E-1.5(b) all sampling shall be performed as proposed and consistent with the methods specified in the most current edition of the Department's *Field Sampling Procedures Manual*. Pursuant to N.J.A.C. 7:26E-2.1 all samples shall be analyzed by a New Jersey Certified Laboratory certified for the methods being used to analyze groundwater samples. Analytical method MDLs shall be less than or equal to the ground water quality standards (N.J.A.C. 7:9C-1.7). Parameters determined in the field (pH, ORP) are to be measured by a certified contractor or laboratory.

Comparison to the VI screening levels is necessary in order to monitor whether or not the discharge activities have the potential to cause VI issues within any nearby structures by means of adversely impacting the behavior of the groundwater contaminants (e.g., unexpected contaminant movement). Pursuant to the requirements specified in section II above, if there are any exceedances of the VI screening levels caused by the authorized discharge, a VI evaluation shall be conducted of any potentially impacted structures.

Furthermore, if the Permittee is planning to apply for a Ground Water Remedial Action Permit for Natural Attenuation in the future, and exceedances of the GWQC that are due to the discharge remain, those exceedances must be treated similarly to any other site related contaminants (i.e., a sufficient number of samples is required and a decreasing concentration trend must be evident) consistent with the Department's Remedial Action Permits for Ground Water Guidance.

IV. REPORTING REQUIREMENTS AND INFORMATION SUBMITTALS

AECOM will evaluate groundwater data as part of the work conducted under the March 2017 *Groundwater Remedial Investigation Work Plan* and other field programs. Quarterly reports on the progress of remediation and groundwater monitoring results are not required based on the five years of groundwater monitoring data accumulated for FerroBlack[®]-H amended areas to date, which show a reduction of Cr⁺⁶ and Cr concentrations in the groundwater where it has been applied. A final report summarizing the placement of FerroBlack[®]-H for the two Site-wide Amended Backfill PBRs will be prepared at the conclusion of the remediation and when restoration is completed.

All information, including a detailed summary of the discharge and ground water sampling results, as well as the QA/QC package specified at N.J.A.C. 7:26E-2.1(a)15 shall be submitted following completion of the discharge monitoring program.

Consistent with N.J.A.C. 7:14A-2.11(a) and 6.2(a)14, within 90 days after initiation of the discharge, notify the Department of the "start date" of the discharge. To report this date, send an email to Tom.Cozzi@dep.nj.gov stating the start date of the discharge.

Consistent with N.J.A.C. 7:14A-2.11(a) and 6.2(a)14, any malfunctions or non-compliance should be reported by fax or telephone within 24 hours to Tom Cozzi of the Site Remediation Program at (609) 984-2905, and in writing within 7 days to the above address using the subject line "DGW Permit-by-Rule Compliance Report - COPR." Written submissions must include the Site name and PI Number. Failure to report this information is a violation of N.J.A.C. 7:14A and the Permit-By-Rule.

If you have any questions or concerns, please contact David VanEck of the Site Remediation Program at (609) 633-2427.

Sincerely,



Thomas Cozzi, Assistant Director
NJDEP Site Remediation Program, Office of the Assistant Commissioner

Attachments

c: Mark Terril, PPG
Hue Quan, AECOM
Rolando R. Lavarro, Jersey City Redevelopment Agency
Mid-Newark, L.P., c/o Ten West Apparel
NJEDA, c/o A. Smith Moving & Furniture
90 and 100 Forrest Street Associates, Inc.
Carrie Nawrocki, Health Officer, Hudson Regional Health Commission
Stacey Flanagan, Director, Department of Health and Human Services
Robert Byrne, Jersey City Clerk

Street Address, Program Interest (PI) Numbers, and Block and Lot Information

Site Number	PI Numbers	Street Address	Block	Lot(s)
114	G000008791 and G000005480	880-900 Garfield Ave/70 Carteret Avenue	21501	16 – 20
132	G000008749	824 Garfield Avenue	21510	2
133 West	25695	15 Halladay Street	21510	5
133 East	25695	22 Halladay Street	21509	1
135	246332	51-99 Pacific Avenue	21509	2
137B	G000008753	25 Halladay Street	21510	4
137A	G000008753	45 Halladay Street	21510	3
143	G000008759	846 Garfield Avenue	21510	1
NA	629388	816 Garfield Avenue	21510	11
NA	No listing	790 and 800 Garfield Avenue	21510	39
NA	722429	78 Halladay Street	21502	12-17
NA	No listing	84, 86, and 90-98 Forrest Street	21501	11, 12, 14, 15
NA	504596	33 Pacific Avenue	21509	3
NA	No listing	Carteret Avenue	NA	NA
NA	No listing	Garfield Avenue	NA	NA
NA	No listing	Halladay Street North	NA	NA
NA	No listing	Forrest Street	NA	NA

Note:

NA – Not Applicable

Highlighted cells indicate areas previously remediated and amended with 0-2.8% by weight FerroBlack®-H (under previously approved Permit-By-Rule)


Community Right to Know Survey for 2017

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
COMMUNITY RIGHT TO KNOW SURVEY FOR 2017
For State and Federal Community Right to Know Reporting**

Facility ID: **00000054365** CoMu: **0906** NAICS: **423120**

PPG INDUSTRIES INC
440 COLLEGE PARK DRIVE
MONROEVILLE, PA 15146-

(A) Facility Location:
70 CARTERET AVE
JERSEY CITY, NJ 07304

<p>(B) Does this facility Produce, Store or Use NJ CRTK Environmental Hazardous Substances:</p> <p>1. In any quantity? Yes (✓) No ()</p> <p>2. Above thresholds? Yes (✓) No ()</p> <p>Note: This Section will be populated only if the facility is covered under the New Jersey Worker and Community Right to Know Act, N.J.S.A. 34:5A</p>	<p>(D) Number of employees at facility: 54</p> <hr/> <p>(E) Number of facilities in New Jersey: 1</p> <hr/> <p>(F) Federal EIN: 250730780</p>
<p>(C) Facility Status: Active Business Activity: SITE IS CURRENTLY VACANT, SUPPORTING REMEDIATION</p>	<p>(G) R&D exemption approval number for this facility: No R&D Exemption</p>
<p>(I) FACILITY EMERGENCY CONTACT:</p> <p>Name: RICH FEINBERG Title: PROJECT MANAGER Facility Phone Number: (732) 233-4552 Emergency Contact Phone: (732) 233-4552</p>	
<p>(J) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE -- I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.</p> <p>Signature:  Date: <u>2-8-18</u></p> <p>Name: JODY OVERMYER Title: REMEDIATION PROJ ENG. Email Address: OVERMYER@PPG.COM Phone Number: (724) 325-5070</p> <p><i>(Please sign and date. Mail copies to your local Police, Fire departments, county lead agency and local emergency planning committee.)</i></p>	
<p>(K) UNION REPRESENTATIVE</p> <p>Union Name/Local Number: Email Address: Representative Name: Phone #:</p>	
<p>EPCRA SECTION INFORMATION</p> <p>TRI Facility ID: RMP Facility ID: Location is: Manned (X) Unmanned () Latitude: 40.7090120 Longitude -074.0702180 Maximum Number of Occupants: 45</p> <p>Is this facility subject to Chemical Accident Prevention under Section 112R of CAA (40 CFR, Part 68, Risk Management Program)? No</p> <p>Is this facility subject to Emergency Planning under Section 302 of EPCRA (40 CFR Part 355)? Yes</p> <p><u>Facility EPCRA Section 302 Emergency Coordinator (if applicable)</u></p> <p>Name: RICH FEINBERG Title: PROJECT MANAGER Email Address: FEINBERG@PPG.COM 24-Hour Phone: (732) 233-4552</p> <p><u>Parent Company Information (Optional)</u></p> <p>Company Name: Dun & Bradstreet No.: Company Address: Phone Number: Email Address:</p>	

Facility ID: 0000054365

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PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: ALUMINUM CHLOROHYDRATE		CAS #: 12042-91-0	
Location(s): 6,000-GAL TANK INSIDE GWTS BUILDING		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	300	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Substance Name: ALUMINUM CHLOROHYDRATE		CAS #: 12042-91-0	
Location(s): SIX 275-GAL TOTES INSIDE GWTS BUILDING		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	65	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

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PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: CALCIMENT		CAS #: N/A	
Location(s): SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Bag	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	100,000 to 499,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: DIESEL FUEL OR #2 HEATING OIL		CAS #: 68476-34-6	
Location(s): 750-GAL STEEL TANK, EQUIPMENT REFUELING AREA		Sub #: 2444 DOT #: 1993	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	5,000 to 9,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	5,000 to 9,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input checked="" type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input checked="" type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: FERROBLACK (HYBRID)		CAS #: 1317-37-9	
Location(s): 300-GALLON TOTES		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: GASOLINE		CAS #: 8006-61-9	
Location(s): 750-GAL AST-REFUEL AREA, FOUR 500-GAL SADDLE		Sub #: 0957 DOT #: 1203	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input checked="" type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input checked="" type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input checked="" type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: PROPYLENE GLYCOL		CAS #: 57-55-6	
Location(s): 55-GAL DRUMS IN SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Steel drum	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	120	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): FIVE 275-GALLON TOTES DURING GWTS RELOCATION		Sub #: 1685 DOT #: 2693	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	60	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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PPG INDUSTRIES INC
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JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): GWTS EXTERIOR HEATED 4,000-GALLON POLY TANK		Sub #: 1685 DOT #: 2693	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): 50% SOL 2,000-GAL POLY TANK DURING GWTS RELOC		Sub #: 1706 DOT #: 1824	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Facility ID: **0000054365**

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PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): 50% SOLUTION FOR GWTS IN 2,650-GAL POLY TANK		Sub #: 1706 DOT #: 1824	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SULFURIC ACID		CAS #: 7664-93-9	
Location(s): 93% SOLN IN 2K-GAL POLY TANK FOR GWTS RELOCAT		Sub #: 1761 DOT #: 1830	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Facility ID: **0000054365**

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PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: SULFURIC ACID		CAS #: 7664-93-9	
Location(s): 93% SOLUTION FOR GWTS IN 2,650-GAL POLY TANK		Sub #: 1761 DOT #: 1830	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> (single or repeated exposure)
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Physical hazard not otherwise classified	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: VEGETABLE OIL EMULSION		CAS #: 8001-22-7	
Location(s): FIVE 325-GAL TOTES IN GW IRM TREATMENT AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> (single or repeated exposure)
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Physical hazard not otherwise classified	<input type="checkbox"/> No health hazards per SDS
		<input checked="" type="checkbox"/> No physical hazards per SDS	

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Reporting Period: January 1 - December 31, 2017

Substance Name: ZAPZORB		CAS #: 9003-04-7	
Location(s): SUPER SACS IN SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Bag	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Community Right to Know Survey for 2021

PPG
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2021 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2021

Substance Name: CALCIMENT		CAS #: N/A	
Location(s): SUPPORT ZONE STORAGE AREA		Sub #: N/A	DOT #: N/A
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Bag	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: DIESEL FUEL OR #2 HEATING OIL		CAS #: 68476-34-6	
Location(s): 350-GAL TANK REFUEL AREA, 100-GAL TANK GWTP#1		Sub #: 2444	DOT #: 1993
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	2,500 to 4,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	2,500 to 4,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input checked="" type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input checked="" type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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2021 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2021

Substance Name: FERROBLACK (HYBRID)		CAS #: 1317-37-9	
Location(s): 300-GALLON TOTES IN CHEMICAL MGT AREA		Sub #: N/A	DOT #: N/A
Purity	() Pure (X) Mixture	Physical Hazards	Health Hazards
Physical state	() Solid (X) Liquid () Gas	() Explosive	(X) Acute toxicity (any route of exposure)
Container type	Tote bin	() Flammable (gases, aerosols, liquids, or solids)	(X) Skin corrosion or irritation
Max. daily inventory	500,000 to 999,999 pounds	() Oxidizer (liquid, solid or gas)	(X) Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	() Self-reactive	() Respiratory or skin sensitization
Days on site	365	() Pyrophoric (liquid or solid)	() Germ cell mutagenicity
Storage pressure	Ambient pressure	() Pyrophoric gas	() Carcinogenicity
Storage temperature	Ambient temperature	() Self-heating	() Reproductive toxicity
Trade Secret	No	() Organic peroxide	() Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	(X) Corrosive to metal	() Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	() Gas under pressure (compressed gas)	() Simple asphyxiant
		() In contact with water emits flammable gas	() Health hazard not otherwise classified
		() Combustible dust	() No health hazards per SDS
		() Physical hazard not otherwise classified	
		() No physical hazards per SDS	

Substance Name: GASOLINE		CAS #: 8006-61-9	
Location(s): 1000-GAL AST-REFUEL AREA		Sub #: 0957	DOT #: 1203
Purity	() Pure (X) Mixture	Physical Hazards	Health Hazards
Physical state	() Solid (X) Liquid () Gas	() Explosive	() Acute toxicity (any route of exposure)
Container type	Above ground tank	(X) Flammable (gases, aerosols, liquids, or solids)	(X) Skin corrosion or irritation
Max. daily inventory	5,000 to 9,999 pounds	() Oxidizer (liquid, solid or gas)	() Serious eye damage or eye irritation
Avg. daily inventory	2,500 to 4,999 pounds	() Self-reactive	() Respiratory or skin sensitization
Days on site	365	() Pyrophoric (liquid or solid)	(X) Germ cell mutagenicity
Storage pressure	Ambient pressure	() Pyrophoric gas	(X) Carcinogenicity
Storage temperature	Ambient temperature	() Self-heating	(X) Reproductive toxicity
Trade Secret	No	() Organic peroxide	(X) Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	() Corrosive to metal	(X) Aspiration hazard
		() Gas under pressure (compressed gas)	() Simple asphyxiant
		() In contact with water emits flammable gas	() Health hazard not otherwise classified
		() Combustible dust	() No health hazards per SDS
		() Physical hazard not otherwise classified	
		() No physical hazards per SDS	

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2021 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2021

Substance Name: MOLASSES		CAS #: 68476-78-8	
Location(s): 7x 1,000-GAL PLASTIC TANKS IN GW IRM AREA		Sub #: N/A	DOT #: N/A
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input checked="" type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Substance Name: MOLASSES		CAS #: 68476-78-8	
Location(s): 28X 250-GAL TOTES IN GW IRM AREA		Sub #:	DOT #:
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input checked="" type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

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PART 2
2021 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2021

Substance Name: PROPYLENE GLYCOL		CAS #: 57-55-6	
Location(s): 55-GAL DRUMS IN SUPPORT ZONE STORAGE AREA		Sub #: N/A	DOT #: N/A
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Self-reactive <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Gas under pressure (compressed gas) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Combustible dust <input type="checkbox"/> Physical hazard not otherwise classified <input checked="" type="checkbox"/> No physical hazards per SDS	
Container type	Steel drum	Health Hazards	
Max. daily inventory	25,000 to 49,999 pounds	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproductive toxicity <input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Health hazard not otherwise classified <input type="checkbox"/> No health hazards per SDS	
Avg. daily inventory	25,000 to 49,999 pounds		
Days on site	365		
Storage pressure	Ambient pressure		
Storage temperature	Ambient temperature		
Trade Secret	No		
EPCRA-Only	Yes		

Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): FOUR 275-GALLON TOTES		Sub #: 1685	DOT #: 2693
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Self-reactive <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Organic peroxide <input checked="" type="checkbox"/> Corrosive to metal <input type="checkbox"/> Gas under pressure (compressed gas) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Combustible dust <input type="checkbox"/> Physical hazard not otherwise classified <input type="checkbox"/> No physical hazards per SDS	
Container type	Tote bin	Health Hazards	
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Acute toxicity (any route of exposure) <input checked="" type="checkbox"/> Skin corrosion or irritation <input checked="" type="checkbox"/> Serious eye damage or eye irritation <input checked="" type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Health hazard not otherwise classified <input type="checkbox"/> No health hazards per SDS	
Avg. daily inventory	10,000 to 24,999 pounds		
Days on site	365		
Storage pressure	Ambient pressure		
Storage temperature	Ambient temperature		
Trade Secret	No		
EPCRA-Only	Yes		

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PART 2
2021 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2021

Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): 4,000-GAL POLY TANK, 2,650-GAL BULK TANK		Sub #: 1685	DOT #: 2693
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): THREE 55-GAL DRUM STORED AT GWTS		Sub #: 1706	DOT #: 1824
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Steel drum	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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PART 2
2021 CHEMICAL INVENTORY REPORT

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Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): 50% SOLUTION FOR GWTS, 2X 2650-GAL POLYTANKS		Sub #: 1706	DOT #: 1824
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SULFURIC ACID		CAS #: 7664-93-9	
Location(s): 93% SOLUTION FOR GWTS, 2X 2650-GAL POLYTANKS		Sub #: 1761	DOT #: 1830
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

**PVSC Sewer Use Permit #31630035
(10/1/2017 through 9/30/2022)**

PASSAIC VALLEY SEWERAGE COMMISSION

SEWER USE PERMIT

Permit # 31630035

(Please use the Permit Number on any correspondence with PVSC)
In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and Rules and Regulations of the Passaic Valley Sewerage Commission

PPG - GARFIELD AVENUE

REMEDICATION PROJECT

(herein, after referred to as the Permittee)
is authorized to discharge from a facility located at

25 - 45 HALLADAY STREET

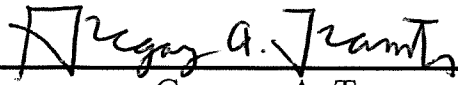
JERSEY CITY, NEW JERSEY 07305

to the Passaic Valley Sewerage Commission Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE 10/01/2017

EXPIRATION DATE 09/30/2022

PASSAIC VALLEY SEWERAGE COMMISSION

BY 
Gregory A. Tramontozzi
Executive Director

CONDITION SPECIFIC TO THIS PERMIT**1. Sampling**

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless otherwise specified, all samples shall be drawn by a 24-hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1⁰C – 4⁰C.
- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
 - (a) Samples that are taken for heavy metal analysis must be drawn by an automatic 24-hour composite sampler. A grab sample is not acceptable for metals compliance determination.

**PASSAIC VALLEY SEWERAGE COMMISSION
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

SIU FACT SHEET

Sewer Use Permit to discharge into Passaic Valley Treatment Plant

PPG, has submitted a completed Sewer Use Application for a Sewer Use Permit New Issue to discharge into the treatment works.

NAME & ADDRESS OF APPLICANT	NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS
PPG 400 College Park Drive Monroeville, PA 15146	PPG Garfield Avenue., Remediation Project 25-45 Garfield Avenue Jersey City, NJ 07305

Description of Facility Operations: Groundwater discharger

Million Gallons per Day (MGD) Industrial Wastewater: Approx. - 149,760 MGD

Number of Outlets: Industrial – 1-This outlet is used for compliance

Sample Point Location: Sample point is located at post-treatment sampling port in GWTS area.

Basis for Permit Conditions: Groundwater

Type of Pretreatment Equipment Installed: Physical and Chemical Process including Coagulation, Precipitation, pH Adjustment, Chemical Reduction, Filtration, Sludge Handling, Activated Carbon Adsorption and Cation Exchange using Zeolite Organoclay. Process are applied as necessary to achieve the required effluent characteristics.

Duration of Sewer Use Permit: 5 Years

Special Conditions or Remarks: New Issue; This company is covered under PVSC Local Limits.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a) Beginning (10/01/2017) and lasting through (09/30/2022) the Permittee is authorized to discharge from outlet # (31630035-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume in accordance with PVSC User Charge Self-Monitoring Report Form MR-2.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(b) Beginning (10/01/2017) and lasting through (09/30/2022) the Permittee is authorized to discharge from outlet # (31630035-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Form MR-1.

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
SGT-HEM (Non-Polar Material)	100 mg/l	150 mg/l	Monthly	Grab*	Monthly
TTO	XXXXXX	XXXXXX	Monthly	Grab**	Monthly
TVOC	XXXXXX	XXXXXX	Monthly	Grab***	Monthly
Chromium	XXXXXX	10.9 lbs/day	Monthly	24 hr. Comp.	Monthly
BOD	XXXXXX	XXXXXX	Monthly	24 hr. Comp	Monthly
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

* Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 1664A.
 ** Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 624.
 *** Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 625.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(b) Beginning (10/01/2017) and lasting through (09/30/2022) the Permittee is authorized to discharge from outlet # (31630035-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

PVSC LOCAL LIMITS		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
PARAMETER	mg/l DAILY MAX	mg/l THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Cu	3.98	0.40	Monthly	24 hr. comp.	Monthly
Pb	1.3	0.10	Monthly	24 hr. comp.	Monthly
Hg	0.06	0.006	Monthly	24 hr. comp.	Monthly
Ni	3.12	0.30	Monthly	24 hr. comp.	Monthly
Zn	3.81	0.35	Monthly	24 hr. comp.	Monthly
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

**PPG - GARFIELD AVENUE REMEDIATION PROJECT, JERSEY CITY, NJ
ID# 31630035**

SCHEDULE OF COMPLIANCE

The Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Permittee is required to submit all certified analyses as an attachment to the monthly MR-1 and/or MR-2 report.
- B. The Permittee is required to submit as an attachment to the MR-1 and/or MR-2 report monthly, a water balance showing meter readings used to calculate the reported volume discharged.
- C. 11/21/2017 - First Periodic Compliance Monitoring Report Due.
Permittee to submit a periodic compliance monitoring report MR-2 form for monthly reporting requirements within twenty-one (21) days after the end date of each preceding month.
- D. Permittee to be in compliance with PVSC Local Limits.
12/04/2017 - First Periodic Compliance Monitoring Report Due
Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).
- E. If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical results exceed the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2.
- F. Be certain that you do not surcharge any sewer lines. The rate of discharge must not exceed 149,760 gpd (104 gpm) per TWA Approval No. #15-0106. Please NOTE that all discharge must cease during rainfall events and must not recommence until dry weather resumes.
- G. 2/01/2017 - PVSC Local Limit Baseline Monitoring Report and Slug Control Questionnaire are due.

**PPG - GARFIELD AVENUE REMEDIATION PROJECT, JERSEY CITY, NJ
ID# 31630035**

SECTION A-3 SCHEDULE OF COMPLIANCE CONTINUED

- H. All discharge shall cease 5 years from the start of discharge. If additional time is needed, you must request an extension from PVSC 60 days prior to the expiration date of the Agreement and this Sewer Use Permit.
- I. All PVSC Rules & Regulations must be adhered to (www.PVSC.com).
- J. The Final Sewer Use Permit will run concurrent with a said contract executed by both PPG Industries, Inc. and PVSC.
- K. Notify Don Yanuzzi at (973)817-5946, three (3) working days before you plan to commence the discharge, so that a PVSC Inspector can be present to observe the discharge.
- L. This discharge cannot begin until a written Agreement is entered into.
- M. PPG is modifying its pretreatment system to maximize its permitted flow. PPG –The Garfield Avenue Remediation Project may accept like wastewaters via tankers from the following list of other PPG remediation sites only: Site 016, 063, 065, 107, 108, 114, 132, 133(W), 133(E), 135, 137, 143, 156, 174 and 457 Communipaw Ave., Halladay Street, Carteret Ave., Al Smith Moving Property, Former Halsted Corp., Garfield Ave., Forrest St., Forrest Properties, Former Fishbein Properties and Ten West Apparel. If PPG seeks to treat groundwater from its other remediation areas, PPG must notify PVSC in writing and receive approval prior to discharge.
- N. Permittee shall invoke the Emergency Discharge Limitation Plan (EDLP) outlined in its letter to PVSC dated 05/05/2017(see attached copy hereto). Permittee will be notified by PVSC as to when emergency conditions exist, so that the EDLP can be invoked as designed.
- O. PVSC reserves the right to require toxicity evaluation and/or to change the conditions of this Permit, including discontinuing the discharge if it deems necessary.
- P. The Permittee shall notify in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified hazardous waste under 40 CFR 261.

SECTION B
CONDITIONS APPLICABLE TO ALL PERMITS

1. GENERAL

- 1.1 The Permittee shall comply with all conditions set forth in this permit and all applicable requirements which are set forth in N.J.S.A. 58:14-1 et seq. and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 U.S.C.A. § 1251 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit or cause or allow to be discharged or deposited into the Treatment Works or public sewer, any waste which causes or contains the following
- (a) **Explosive Wastes** - Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21. Additional quantitative limitations on explosive wastes are specified in Appendix B, Pretreatment Limitation #2, B-201 of the PVSC Rules & Regulations.
 - (b) **Corrosive Wastes** - Wastes in such quantity which may cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in the Sewer Use Permit issued to a user, all wastes shall have a pH not less than 5. Unless otherwise stated in the Sewer Use Permit, all wastes shall have a pH not more than 10.5. If PVSC requires the installation of a continuous pH recorder, the Permittee may exceed the upper or alkaline pH limit subject to the conditions contained in subsection 317. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

- (c) **Solids or Viscous Wastes** - Solids or viscous wastes in amounts which may cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, glass, etc.
- (d) **Floatable Pollutants** - (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any wastes containing floatable fats, wax, grease, oils, or any other floatable pollutants, (3) any industrial wastes containing more than 150 mg/l daily max and /or 100 mg/l monthly average of petroleum based oil or grease.
- (e) **Noxious Materials** - (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) **Radioactive Wastes** - Radioactive wastes or isotopes of such half-life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- (g) **Interference/Pass through** - Any waste, including discharges of oxygen demanding wastes (BOD, etc.) released or discharged at a flow rate and/or pollutant concentration which causes or threatens to cause an upset at the PVSC Treatment Works, or which causes or threatens to cause a violation of the PVSC's NJPDES Permit conditions.
- (h) **Excessive Discharge Rate** - Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

- (i) **Heat** - (1) Any discharge in excess of 150°F (65°C). (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.
- (j) **Unpolluted Waters** - Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (k) **Dilution** - Increase in the use of process water, or an attempt in any other way, to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or effluent limit.
- (l) **Violations** - Wastes, which cause the PVSC treatment plant to violate its NJPDES Permit, applicable, receiving water standards, permit regulating sludge which is produced during treatment or any other Permit issued to PVSC.
- (m) **Hazardous Wastes** - Those wastes designated by EPA as hazardous under 40 CFR 261.
- (n) **Trucked Pollutants** - Any trucked or hauled pollutant, accepted at discharge points designated by the Chief Executive Officer, and only after approval is issued by PVSC.
- (o) **Ground Water** - Any ground water, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303, and 602.5 of these Rules and Regulations.
- (p) **Stormwater** - Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.

- (q) **Bypassed Wastes** – Any wastewaters which would normally be monitored or pretreated, but are discharged to the sanitary sewer without being monitored or pretreated, unless specifically authorized by PVSC.
 - (r) **Excess Heel Material** – Any quantity of trucked or hauled material meeting the definition as contained herein, unless authorized by PVSC.
- 1.4 The Permittee shall not discharge or convey or permit to be discharged or conveyed to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that.
- (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
 - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
 - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
 - (d) Violate a local limit imposed or adopted by the PVSC.
 - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
 - (f) Cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, regulations and/or any permits governing sludge which is produced during treatment process, or any other permit issued to the PVSC.
- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control and monitoring equipment in strict accordance with all design specifications and manufacturer recommendations. Proper operation and maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.

- 1.6. The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.
- 1.7. An Upset shall constitute an affirmative defense to an action brought for non-compliance if the following requirements are met. If the Permittee wishes to establish the affirmative defense of Upset, it shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that (1) an Upset occurred and the User can identify the cause(s) of the Upset; (2) the facility was at the time being operated in a prudent and workmanlike manner and in compliance with applicable operations and maintenance procedures; and (3) the Permittee has submitted the following information to PVSC within 24 hours of becoming aware of the Upset, except that a written submission must be provided within five days if the information is provided verbally:
 - (a) A description of the indirect discharge and cause of the non-compliance;
 - (b) The period of non-compliance including exact dates and time or, if not corrected, the anticipated time the noncompliance is expected to continue;
 - (c) Steps being taken and/or planned to reduce, eliminate and prevent recurrence of the non-compliance.

If the Permittee seeks to establish the occurrence of an Upset, it shall have the burden of proof. The User shall control production on all discharges to the extent necessary to maintain compliance with the prohibitions or limitations upon reduction, loss or failure of its pretreatment facility until it is restored or an alternative method of treatment is provided. This requirement shall apply to the situation where among, other things, the primary source of power to the pretreatment facility is reduced, lost or fails.

- 1.8 Bypass means the intentional diversion of wastestreams from any portion of the Permittee's treatment facility. Regarding notice:
- (a) If the Permittee knows in advance of the need for a bypass, it shall submit prior notice to PVSC, if possible at least ten days before the date of the bypass.
 - (b) The Permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to PVSC within 24 hours from the time it becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. PVSC may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

2. **INDUSTRIAL WASTE REPORTING**

- 2.1 **USER CHARGE:** User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21 days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 **PRETREATMENT:** Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.

2.3 **DUE DATE:** MR-1 and MR-2 Reports must be physically delivered to the PVSC by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.

2.4 **MAILING ADDRESS:** Reports required herein must be addressed to:

**PASSAIC VALLEY SEWERAGE COMMISSION
ATTN: USER CHARGE & PERMIT MANAGEMENT
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

2.5 **FACSIMILE / ELECTRONIC MAIL:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile or electronic mail provided the report is received at the PVSC on any date up to and including the due date.

2.6 **ANALYTICAL PROCEDURES:** Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:

- (a) The pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.
- (b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.
- (c) Zeros in the pollutant limit are included in order to determine the precision.
- (d) The following procedure shall be followed when rounding off results:
 - (i) Round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.
 - (ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.
 - (iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

- 2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:
- (a) The date, exact places and time of sampling;
 - (b) The dates the analysis were performed;
 - (c) The person(s) who performed the analysis;
 - (d) The analytical techniques or methods used; and
 - (e) The results of all required analyses.
- 2.8 **RECORDS RETENTION:** The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.
- 2.9 **SEWER USE APPLICATION (SUA) RENEWAL:** The Permittee shall submit a renewal SUA within 180 days of the expiration of current Sewer Use Permit.

3. **INDUSTRIAL WASTE MONITORING**

- 3.1 **MONITORING EQUIPMENT:** The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL recorder shall be calibrated daily and pH recorders shall be calibrated at least weekly, whichever is more frequent.
- 3.2 Permittee shall safeguard any PVSC monitoring equipment that is installed at their facility. Permittee shall reimburse PVSC for any equipment that is either damaged or stolen from its point of installation. Reimbursement costs will be determined by PVSC.

- 3.3 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.4 Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- 3.5 **NOTIFICATION OF NON-COMPLIANCE:** If, for any reason, the Permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, or discharges any waste and meets the Slug Discharge Definition as defined in Appendix A, of the PVSC Rules and Regulations, including any changes at its facility affecting the potential for a slug discharge, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.6 If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:
- (a) A description of the discharge and the cause of the period of noncompliance;
 - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
 - (c) The steps being taken to reduce, eliminate and prevent a recurrence of the non-complying discharge.

- 3.7 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.
- 3.8 **TEST PROCEDURES:** Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.9 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the Rules and Regulations of the PVSC.
- 3.10 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.11 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.
- 3.12 PVSC may authorize the Permittee to forego sampling of a pollutant regulated by its categorical Pretreatment Standard(s) if the Permittee has demonstrated through sampling and other technical factors that the pollutant is neither present nor expected to be present in the discharge, or is present only at background levels from intake water and without any increase in the pollutant due to activities of the Permittee. This authorization would be subject to the conditions cited at 40 CFR 403.12(e)(2)(i) through (vii). The following language shall be included in the control mechanisms for any Categorical Industrial User unless a sampling waiver has previously been granted:

“The Permittee has been identified as subject to 40 CFR 4XX.XX, the Federal Categorical Pretreatment Standards for Existing sources under the _____ Point Source Category. The Permittee may, in accordance with 40 CFR 403.12(e)(2), seek to forego sampling of a pollutant regulated under the applicable categorical standard provided that it meets the conditions noted in the PVSC Rules and Regulations under Section 318.5.”

4. MANAGEMENT RESPONSIBILITIES

- 4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:
- (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
 - (b) Inspect the monitoring equipment and monitoring methods required in this permit or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations and inspect and/or sample RCRA or other type waste or substances.
- 4.2 **TRANSFER OF OWNERSHIP OR CONTROL:** This Permit is not transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Use Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entities, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.

- 4.3 **CHANGE IN DISCHARGE:** Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commission Sewer Use Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

All Industrial Users shall promptly notify the PVSC in advance of any substantial change in the volume or character of pollutants in their discharge.

5. **OTHER CONDITIONS**

- 5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its term for cause including, but not limited to the following:
- (a) Violating any terms or condition of this permit;
 - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- 5.2 **TOXIC POLLUTANTS:** Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.
- 5.3 **CIVIL AND CRIMINAL LIABILITY:** A violation of the PVSC Rules and Regulations or a violation of any term or condition contained in this Sewer Use Permit may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.

- 5.4 **STATE LAWS:** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- 5.5 **PROPERTY RIGHTS:** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- 5.7 **DEFINITIONS:** The following definitions apply to this permit:
- (a) "Composite" - a combination of individual samples obtained at regular intervals over the entire discharge day.
 - (b) "Daily" - each operating day.
 - (c) "Daily Maximum Discharge" - the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
 - (d) "Grab" - an individual sample collected in less than 15 minutes.
 - (e) "Immediate Access" - access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.
 - (f) "Monthly" - one day each month during a normal operating day.
 - (g) "Monthly Average Value" - the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.
 - (h) "N/A" - not applicable.
 - (i) "Quarterly" - every three (3) months.
 - (j) "Weekly" - one day each week during a normal operating day.

**PVSC Sewer Use Permit #31630035
(10/1/2022 through 9/31/2027)**

PASSAIC VALLEY SEWERAGE COMMISSION

SEWER USE PERMIT

Permit #

31630035

In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act, and Rules and Regulations of the Passaic Valley Sewerage Commission,

PPG – THE GARFIELD AVENUE

REMEDICATION PROJECT

(hereinafter referred to as the Permittee)

is authorized to discharge from a facility located at

25-45 HALLADAY STREET

JERSEY CITY, NEW JERSEY 07305

to the Passaic Valley Sewerage Commission Treatment Works in accordance with discharge limitations, monitoring requirements, and other conditions set forth herein.

EFFECTIVE DATE

10/01/2022

EXPIRATION DATE

09/30/2027

PASSAIC VALLEY SEWERAGE COMMISSION

BY Gregory A. Tramontozzi
Gregory A. Tramontozzi
Executive Director

SECTION A**CONDITIONS SPECIFIC TO THIS PERMIT****1. Sampling**

- 1.1 Samples and measurements required under this permit shall be representative of the monitored activity and taken at points approved by PVSC, as specified herein. Unless otherwise noted, all samples shall be drawn by a 24-hour composite sampler acceptable to PVSC and equipped with attachments appropriate for affixing seals. During and after collection, the samples shall be maintained between 1^oC – 4^oC.

- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
 - (a) Unless otherwise approved by PVSC, samples that are taken for heavy metal analysis must be drawn by an automatic 24-hour composite sampler.

**PASSAIC VALLEY SEWERAGE COMMISSION
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

SIU FACT SHEET

NAME & ADDRESS OF THE APPLICANT	NAME & ADDRESS OF THE SITE WHERE DISCHARGE OCCURS
<p style="text-align: center;">PPG Industries Inc. 400 College Park Drive Monroeville, PA 15146</p>	<p style="text-align: center;">PPG – The Garfield Ave. Remediation Project 25-45 Halladay Street Jersey City, NJ 07305</p>

Description of Site Operations: Groundwater treatment & discharge

Maximum Groundwater Discharge (GPD): 199,800 GPD

Number of Outlets: Industrial – 1

Sample Point Location: The sample point is located in the discharge line after the flow meter in the groundwater treatment plant Train 1 area.

Basis for Permit Conditions: This groundwater Permittee has the reasonable potential to discharge wastes which would adversely affect the PVSC operation or violate a pretreatment standard or limitation

Type of Pretreatment Equipment Installed: Equalization, chemical reductions, pH adjustment, flocculation, clarification, sand filtration, bag filtration, liquid phase granular activated carbon adsorption (GAC) units, clay vessels, and sludge handling.

Duration of Sewer Use Permit: 5 Years (10/1/22 to 9/30/27)

Special Conditions or Remarks: Renewal. This site is subject to PVSC Local Limits.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a) Beginning 10/01/2022, and lasting through 09/30/2027, the Permittee is authorized to discharge from outlet #31630035-1.

Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located in the discharge line after the flow meter in the groundwater treatment plant Train 1 area. The Permittee shall submit volume in accordance with PVSC User Charge Self-Monitoring Report Form MR-2.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(b) Beginning 10/01/2022, and lasting through 09/30/2027, the Permittee is authorized to discharge from outlet #31630035-1. Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located in the discharge line after the flow meter in the groundwater treatment plant Train 1 area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Form MR-1.

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
SGT-HEM (Non-Polar Material)	100 mg/l	150 mg/l	Monthly	Grab*	Monthly
TTO	XXXXXX	XXXXXX	Monthly	Grab**	Monthly
TVOC	XXXXXX	XXXXXX	Monthly	Grab***	Monthly
Chromium	XXXXXX	24.38 mg/l	Monthly	24-hr. Comp.	Monthly
BOD	XXXXXX	XXXXXX	Monthly	24-hr. Comp	Monthly
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

* All sampling procedures must be in accordance with those specified by the NJDEP, and analysis procedures as defined by EPA Method 1664B.
 ** All sampling procedures must be in accordance with those specified by the NJDEP, and analysis procedures as defined by EPA Method 624.
 *** All sampling procedures must be in accordance with those specified by the NJDEP, and analysis procedures as defined by EPA Method 625.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

- (b) Beginning 10/01/2022, and lasting through 09/30/2027, the Permittee is authorized to discharge from outlet #31630035-1. Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located in the discharge line after the flow meter in the groundwater treatment plant Train 1 area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

PVSC LOCAL LIMITS		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
PARAMETER	mg/l	DAILY MAX	THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Cu		3.98	0.40	Monthly	24-hr. comp.	Monthly
Pb		1.3	0.10	Monthly	24-hr. comp.	Monthly
Hg		0.06	0.006	Monthly	24-hr. comp.	Monthly
Ni		3.12	0.30	Monthly	24-hr. comp.	Monthly
Zn		3.81	0.35	Monthly	24-hr. comp.	Monthly
Volume		XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

**PPG - THE GARFIELD AVENUE REMEDIATION PROJECT, JERSEY CITY, NJ
ID #31630035**

SCHEDULE OF COMPLIANCE

The Permittee is to meet the following compliance requirements:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey. The Permittee is required to submit all certified analyses as an attachment to the monthly MR-1 and/or MR-2 report.
- B. The Permittee is required to submit a water balance sheet as an attachment to the monthly MR-1 and/or MR-2 report showing the meter readings used to calculate reported volume discharged.
- C. The Permittee is to submit a periodic compliance monitoring report MR-2 form for monthly reporting requirements within twenty-one (21) days after the end date of each preceding month.
- D. The Permittee is to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with 40 CFR 403.12 section (e) of the General Pretreatment Regulations. The Permittee is to be in compliance with PVSC Local Limits.
- E. If authorized by PVSC to certify non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical results exceed the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample for the applicable parameters each month thereafter until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations, Section B-103.3, Table B-2.
- F. **Maximum discharge must not exceed 199,800 gpd, per TWA Approval #15-0106.** Please NOTE that all discharge must cease during rainfall events and must not recommence until dry weather resumes.
- G. The Permittee must operate in accordance with its approved Slug Discharge Control Plan, Emergency Discharge Limitation Plan, and Wet Weather Minimization response.

**PPG - THE GARFIELD AVENUE REMEDIATION PROJECT, JERSEY CITY, NJ
ID #31630035**

SECTION A-3 SCHEDULE OF COMPLIANCE CONTINUED

- H. All flow shall cease 5 years from the start of the discharge. If additional time is needed, you must request an extension from PVSC 60 days prior to the expiration date of the Agreement and this Sewer Use Permit.
- I. The Permittee must adhere to all PVSC Rules & Regulations (www.PVSC.com).
- J. The Final Sewer Use Permit will run concurrent with a said contract executed by both PPG Industries, Inc. and PVSC.
- K. PPG –The Garfield Avenue Remediation Project may accept like wastewaters via tankers from the following list of other PPG remediation sites only: Site 016, 063, 065, 107, 108, 114, 132, 133(W), 133(E), 135, 137, 143, 156, 174 and 457 Communipaw Ave., Halladay Street, Carteret Ave., Al Smith Moving Property, Former Halsted Corp., Garfield Ave., Forrest St., Forrest Properties, Former Fishbein Properties and Ten West Apparel. If PPG seeks to treat groundwater from its other remediation areas it must notify PVSC in writing and receive approval prior to discharge.
- L. When notified by PVSC or the NJDEP, the Permittee shall invoke its 05/05/2017 approved Emergency Discharge Limitation Plan (see attached copy hereto).
- M. PVSC reserves the right to require toxicity evaluation and/or to change the conditions of this Permit, including discontinuing the discharge if it deems necessary.
- N. The Permittee shall notify, in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified as hazardous waste under 40 CFR 261.

SECTION B
CONDITIONS APPLICABLE TO ALL PERMITS

1. GENERAL

- 1.1 The Permittee shall comply with all conditions set forth in this permit and all applicable requirements which are set forth in N.J.S.A. 58:14-1 et seq. and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 U.S.C.A. § 1251 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit, or cause or allow to be discharged or deposited, into the Treatment Works or public sewer any waste which causes or contains the following
- (a) **Explosive Wastes** - Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21. Additional quantitative limitations on explosive wastes are specified in Appendix B, Pretreatment Limitation #2, B-201 of the PVSC Rules & Regulations.
- (b) **Corrosive Wastes** - Wastes in such quantity which may cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in the Sewer Use Permit issued to a user, all wastes shall have a pH not less than 5. Unless otherwise stated in the Sewer Use Permit, all wastes shall have a pH not more than 10.5. If PVSC requires the installation of a continuous pH recorder, the Permittee may exceed the upper or alkaline pH limit subject to the conditions contained in subsection 317. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

- (c) **Solids or Viscous Wastes** - Solids or viscous wastes in amounts which may cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, glass, etc.
- (d) **Floatable Pollutants** - (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any wastes containing floatable fats, wax, grease, oils, or any other floatable pollutants, (3) any industrial wastes containing more than 150 mg/l daily max and /or 100 mg/l monthly average of petroleum based oil or grease.
- (e) **Noxious Materials** - (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) **Radioactive Wastes** - Radioactive wastes or isotopes of such half-life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- (g) **Interference/Pass through** - Any waste, including discharges of oxygen demanding wastes (BOD, etc.) released or discharged at a flow rate and/or pollutant concentration which causes or threatens to cause an upset at the PVSC Treatment Works, or which causes or threatens to cause a violation of the PVSC's NJPDES Permit conditions.
- (h) **Excessive Discharge Rate** - Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

- (i) **Heat** - (1) Any discharge in excess of 150°F (65°C). (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.
- (j) **Unpolluted Waters** - Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (k) **Dilution** - Increase in the use of process water, or an attempt in any other way, to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or effluent limit.
- (l) **Violations** - Wastes, which cause the PVSC treatment plant to violate its NJPDES Permit, applicable, receiving water standards, permit regulating sludge which is produced during treatment or any other Permit issued to PVSC.
- (m) **Hazardous Wastes** - Those wastes designated by EPA as hazardous under 40 CFR 261.
- (n) **Trucked Pollutants** - Any trucked or hauled pollutant, accepted at discharge points designated by the Chief Executive Officer, and only after approval is issued by PVSC.
- (o) **Ground Water** - Any ground water, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303, and 602.5 of these Rules and Regulations.
- (p) **Stormwater** - Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (q) **Bypassed Wastes** - Any wastewaters which would normally be monitored or pretreated but are discharged to the sanitary sewer without being monitored or pretreated, unless specifically authorized by PVSC.

- (r) **Excess Heel Material** – Any quantity of trucked or hauled material meeting the definition contained in Appendix A of the Passaic Valley Sewerage Commission Rules & Regulations, unless specifically authorized by PVSC.
 - (s) **Mobile Vehicle-Washing Wastewaters** – Any wastewaters discharged to the sewer system resulting from the power washing (or other cleaning method) of trucks, busses or other vehicles which are performed outside the company's facility or at any location on a sidewalk or street.
 - (t) **Diverted Wastewaters** – Any wastewaters diverted to, or discharged from, any User to a sidewalk or street or any other surface leading to discharge into a street sewer (sanitary or combined sewer, or storm sewer leading to the Passaic River).
- 1.4 The Permittee shall not discharge or convey, or permit to be discharged or conveyed, to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that:
- (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
 - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
 - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
 - (d) Violate a local limit imposed or adopted by the PVSC.
 - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
 - (f) Cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, regulations and/or any permits governing sludge which is produced during the treatment process, or any other permit issued to the PVSC.

- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control & monitoring equipment in strict accordance with all design specifications & manufacturer recommendations. Proper operation & maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing & training & adequate laboratory & process controls.
- 1.6 The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.
- 1.7 An Upset shall constitute an affirmative defense to an action brought for non-compliance if the following requirements are met. If the Permittee wishes to establish the affirmative defense of Upset, it shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that (1) an Upset occurred and the User can identify the cause(s) of the Upset; (2) the facility was at the time being operated in a prudent and workmanlike manner and in compliance with applicable operations and maintenance procedures; and (3) the Permittee has submitted the following information to PVSC within 24 hours of becoming aware of the Upset, except that a written submission must be provided within five days if the information is provided verbally:
 - (a) A description of the indirect discharge and cause of the non-compliance;
 - (b) The period of non-compliance, including exact dates & times, or if not corrected, the anticipated time the issue is expected to continue;
 - (c) Steps being taken and/or planned to reduce, eliminate, and prevent recurrence of the non-compliance.

If the Permittee seeks to establish the occurrence of an Upset, it shall have the burden of proof. The User shall control all discharges to the extent necessary to maintain compliance with its discharge prohibitions or limitations upon reduction, loss, or failure of its pretreatment facility until it is restored or an alternative method of treatment is provided. This requirement shall apply to the situation where, among other things, the primary source of power to the pretreatment facility is reduced, lost, or fails.

- 1.8 Bypass means the intentional diversion of wastestreams from any portion of the Permittee's treatment facility. Regarding notice:
- (a) If the Permittee knows in advance of the need for a bypass, it shall submit prior notice to PVSC, if possible at least ten days before the date of the bypass.
 - (b) The Permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to PVSC within 24 hours from the time it becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. PVSC may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

2. INDUSTRIAL WASTE REPORTING

- 2.1 **USER CHARGE:** User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21 days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 **PRETREATMENT:** Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.

2.3 **DUE DATE:** MR-1 and MR-2 Reports must be physically delivered to the PVSC by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.

2.4 **MAILING ADDRESS:** Reports required herein must be addressed to:

**PASSAIC VALLEY SEWERAGE COMMISSION
ATTN: USER CHARGE & PERMIT MANAGEMENT
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

2.5 **FACSIMILE / ELECTRONIC MAIL:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile or electronic mail provided the report is received at the PVSC on any date up to and including the due date.

2.6 **ANALYTICAL PROCEDURES:** Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:

- (a) The pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.
- (b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.
- (c) Zeros in the pollutant limit are included in order to determine the precision.
- (d) The following procedure shall be followed when rounding off results:
 - (i) Round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.
 - (ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.
 - (iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:

- (a) The date, exact places and time of sampling;
- (b) The dates the analysis were performed;
- (c) The person(s) who performed the analysis;
- (d) The analytical techniques or methods used; and
- (e) The results of all required analyses.

2.8 **RECORDS RETENTION:** The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.

2.9 **SEWER USE APPLICATION (SUA) RENEWAL:** The Permittee shall submit a renewal SUA within 180 days of the expiration of current Sewer Use Permit.

3. **INDUSTRIAL WASTE MONITORING**

3.1 **MONITORING EQUIPMENT:** The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL recorder shall be calibrated daily and pH recorders shall be calibrated at least weekly, whichever is more frequent.

3.2 Permittee shall safeguard any PVSC monitoring equipment that is installed at their facility. Permittee shall reimburse PVSC for any equipment that is either damaged or stolen from its point of installation. Reimbursement costs will be determined by PVSC.

- 3.3 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.4 Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- 3.5 **NOTIFICATION OF NON-COMPLIANCE:** If, for any reason, the Permittee does not comply with, or will be unable to comply with, any effluent limitation specified in this permit, or discharges any waste that meets the Slug Discharge Definition as defined in Appendix A of the PVSC Rules and Regulations, including any changes at its facility affecting the potential for a slug discharge, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.6 If this report is made orally, a written report containing the following information shall be submitted within five (5) working days:
- (a) A description of the discharge and the cause of the period of non-compliance;
 - (b) The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
 - (c) The steps being taken to reduce, eliminate, and prevent a recurrence of the non-compliant discharge.

- 3.7 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from non-compliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment, or which interferes with the operation of the PVSC Treatment Works.
- 3.8 **TEST PROCEDURES:** Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.9 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the PVSC Rules & Regulations.
- 3.10 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.11 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit, using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.
- 3.12 PVSC may authorize the Permittee to forego sampling of a pollutant regulated by its categorical Pretreatment Standard(s) if the Permittee has demonstrated through sampling and other technical factors that the pollutant is neither present nor expected to be present in the discharge, or is present only at background levels from intake water and without any increase in the pollutant due to activities of the Permittee. This authorization would be subject to the conditions cited at 40 CFR 403.12(e)(2)(i) through (vii). The following language shall be included in the control mechanisms for any Categorical Industrial User unless a sampling waiver has previously been granted:

“The Permittee has been identified as subject to 40 CFR 4XX.XX, the Federal Categorical Pretreatment Standards for Existing sources under the _____ Point Source Category. The Permittee may, in accordance with 40 CFR 403.12(e)(2), seek to forego sampling of a pollutant regulated under the applicable categorical standard provided that it meets the conditions noted in the PVSC Rules and Regulations under Section 318.5.”

4. MANAGEMENT RESPONSIBILITIES

4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:

- (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies, as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
- (b) Inspect the monitoring equipment and monitoring methods required in this permit, or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations, and inspect and/or sample RCRA or other type waste or substances.

4.2 **TRANSFER OF OWNERSHIP OR CONTROL:** This Permit is not transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Use Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entities, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.

- 4.3 **CHANGE IN DISCHARGE:** Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commission Sewer Use Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

All Industrial Users shall promptly notify the PVSC in advance of any substantial change in the volume or character of pollutants in their discharge.

5. **OTHER CONDITIONS**

- 5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified or revoked, in whole or in part during its term for cause including, but not limited to the following:
- (a) Violating any terms or condition of this permit;
 - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- 5.2 **TOXIC POLLUTANTS:** Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.
- 5.3 **CIVIL AND CRIMINAL LIABILITY:** A violation of the PVSC Rules and Regulations, or a violation of any term or condition contained in this Sewer Use Permit, may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.

PVSC may also assess a civil penalty against the Permittee of not more than \$50,000 for each violation of each provision of the Water Pollution Control Act, and for each violation of any rule, pretreatment standard, effluent limitation, administrative order, or Permit issued pursuant thereto. PVSC may assess a minimum mandatory civil penalty in an amount not less than \$1,000 for each Serious Violation as defined under N.J.A.C. 7:14-8.2; and not less than \$5,000 for each violation that causes a violator to be, or continue to be, a Significant Non Complier (SNC) as defined under N.J.A.C.7:14-8.2. PVSC incorporates within its Enforcement Response Plan (contained in Table C-3 of the PVSC Rules and Regulations) by reference (and the Permittee is subject to) all mandatory penalties, settlement restrictions, uniform penalty policies and other requirements applicable to PVSC in accordance with N.J.A.C. 7:14-8.1(f), including, without limitation, the civil administrative penalty determination procedure specified in N.J.A.C. 7:14-8.16.

- 5.4 **STATE LAWS:** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- 5.5 **PROPERTY RIGHTS:** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- 5.7 **DEFINITIONS:** The following definitions apply to this permit:
- (a) "Composite" - a combination of individual samples obtained at regular intervals over the entire discharge day.
 - (b) "Daily" - each operating day.
 - (c) "Daily Maximum Discharge" - the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
 - (d) "Grab" - an individual sample collected in less than 15 minutes.
 - (e) "Immediate Access" - access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.
 - (f) "Monthly" - one day each month during a normal operating day.

- (g) "Monthly Average Value" - the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.
- (h) "N/A" - not applicable.
- (i) "Quarterly" - every three (3) months.
- (j) "Weekly" - one day each week during a normal operating day.



THOMAS TUCCI, JR.
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Vice Chairman

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Executive Director

MATTHEW F. MURRAY
Clerk

"Protecting Public Health and the Environment"

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Inspection & Compliance Bureau
Fax Number: (973) 344-6237
September 9, 2020

VIA EMAIL AND CERTIFIED MAIL

Jennifer Atkins
AECOM
250 Apollo Drive
Chelmsford, MA 01824

RE: 90 FORREST STREET, JERSEY CITY

Dear Ms. Atkins:

This is in response to your electronic mail ("email") of 7/2/20, wherein you requested that the Passaic Valley Sewerage Commission ("PVSC") determine whether the discharges from basement sumps at 90 Forrest Street in Jersey City would be subject to operation under a Sewer Use Permit ("SUP") or other authorization. Reportedly, these connections were established many years ago, and prevent basement flooding. You added that Jersey City Code of Ordinances 281-7 states that uncontaminated groundwater from basements is not a prohibited discharge. However, you advised PVSC that the building is located within an area of groundwater contamination that is part of the Garfield Avenue ("GA") Group Sites. Contaminants consist of metals (including chromium ["Cr"]), volatile organic compounds ("VOCs") and semi-volatile organic compounds ("SVOCs"). As a result, NJ Department of Environmental Protection is overseeing the remediation, with PPG and Public Service Electric and Gas conducting the clean-up.

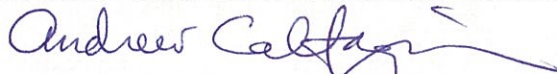
In the aforementioned email, AECOM attached analytical results taken during various investigations of the GA Group Sites (i.e. samples from the building sumps, as well as from monitoring wells located within 25-30 feet of the sumps). Most recently, it took samples in April 2020 for Cr (including hexavalent Cr), nickel, and pH. The results were compliant and/or not problematic, as were the data presented for the two adjacent monitoring wells (which additionally included copper, lead, mercury, nickel, zinc, VOCs, and SVOCs). Regarding the most prominent parameter (Cr), AECOM compared the expected mass loading from the sumps to the discharge limit in an adjacent GA site's SUP (PPG; #31630035) for discharge of treated groundwater. It found the loading to be significantly lower than the SUP discharge limit of 10.9 lbs/day. In addition, AECOM reported that recent Cr concentrations from the sump have been an order of magnitude lower than the maximum concentration observed in 2017. Therefore, based on this evaluation, AECOM concluded that the basement sump water from 90 Forrest Street does not require an SUP or authorization for discharge to the sewer system.

AECOM
RE: 90 FORREST STREET, JERSEY CITY
September 9, 2020
Page 2 of 2

PVSC has reviewed the request and does not object to the continued discharge from these basement sumps. There is also no need for the issuance of an SUP under current conditions. There are no separate storm sewers in this area, and no municipal objection or prohibition. Any detected pollutant quantities observed in the sample results were compliant with applicable limits. These quantities also would not cause Interference or Pass-through of the PVSC treatment works. PVSC's authorization (which was required given the atypical nature of this type of basement waster) will remain as long as the discharge continues to contain concentrations under the current local limits, and the organic compounds' concentrations are stable. AECOM or other responsible party should continue to periodically analyze the discharge to ensure that there is no "Significant Change" (as defined in the PVSC Rules & Regulations; "R&R") in either the concentrations of these organic chemicals, the volume, and/or loading of this discharge. Should there be, AECOM must notify PVSC and in all likelihood the discharger would be required to complete a Sewer Use Application. In the meantime, the site must comply with all the provisions of the PVSC R&R as they pertain to this discharge. In particular, be aware that the current local total Cr limit is now at a daily maximum of 24.38 mg/l (as of 4/1/17); that is the standard which would apply to the basement discharge. Though it may appear counterintuitive, AECOM should make every effort to limit the discharge during wet weather, so as to minimize the risk of downstream combined sewer overflows.

PVSC may periodically sample the discharge for this and other parameters, as it deems necessary going forward. PVSC also reserves the right to cease the discharge of this wastewater should it become necessary to protect the PVSC treatment works. Lastly, AECOM must still file a Connections Application for this discharge; you may send that to Frank Grant at fgrant@pvsc.com. If you have any questions regarding this letter, please call me at (973) 817-5710.

Very truly yours,
PASSAIC VALLEY SEWERAGE COMMISSION



Andrew Caltagirone
Assistant Director, Inspection & Compliance Bureau

AC/rl

cc: Gregory A. Tramontozzi, Executive Director
Herbert Skinner, Director, Inspection & Compliance Bureau
Don Yanuzzi, Supervisor, User Charge & Permit Management
Laura Marchitto, Operations Coordinator, User Charge & Permit Management
Frank Grant, Connections Unit Supervisor
Gerard Patire, Industrial Monitoring Unit Supervisor
Richard Haytas, Chief Engineer, Jersey City Municipal Utilities Authority



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600 Wilson Avenue

Newark, New Jersey 07105

Connection Unit

Phone: (973) 344-1800
www.nj.gov/pvsc

Fax: (973) 466-2712

October 22, 2020

AECOM c/o PPG
250 Apollo Drive
Chelmsford, MA 01824
Attn. Jennifer Atkins

RE: SEWER CONNECTION PROJECT APPROVAL

Dear Ms. Atkins:

Enclosed is the endorsed form SCC for PVSC application #:2020193132382. This endorsement covers the sump water from the basement of a building adjacent to a large remediation site in Jersey City. This approval is only valid for the properties listed under item 5 of the enclosed form. The net projected flow for this location is 1,950 gallons per day. PVSC acknowledges the receipt of the connection fees of \$6,899.50, which includes \$250 for administrative review received in the form of a Check on 10/6/2020. Subsequently, you are in compliance with PVSC Rules and Regulations Section 602.6, which states **"...any person seeking to construct a connection to a municipal sewer or change the operation that generated wastewater from an existing connection, shall pay a connection fee to the PVSC."**

Thank you for your cooperation and patience with our review process. Please keep these documents in a safe place because you will have to present this letter along with the enclosed SCC-12 endorsement form to the governing construction code official before a building permit or a Certificate of Occupancy can be granted for your project(s). If you have any questions regarding this endorsement, please do not hesitate to contact Frank Grant at (973) 344-4218.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSION


Andrew Caltagirone
Assistant Director, Inspection and Compliance Bureau

C: Gregory A. Tramontozzi, Executive Director
Herbert J. Skinner, Director, Inspection and Compliance Bureau
Jersey City



"Protecting Public Health and the Environment"

CONSENT FOR SEWER CONNECTION PROJECT

FILE: 2020193132382

Application Type: PVSC

1.) Applicant

Name: AECOM c/o PPG
Address: 250 Apollo Drive, Chelmsford, MA, 01824
Contact: Jennifer Atkins
Phone: 978-905-2100

2.) Owner

Name: 90 Forrest Associates, L.L.C
Address: 28 Bromleigh Road, Stewart Manor, NY, 11530
Contact: Project Manager / 90 Forrest
Phone: 516-241-7706

3.) Project

Name: 86-90 Forrest Street
Address: Jersey City, NJ, 07302
Description: This project consists of accounting for sump water from the basement of a building adjacent to a large remediation site. This discharge is limited to 1,950 gpd, any increase must be applied for to PVSC, with duration and gpd

4.) Projected Flow: 1950 Gallons per day

5.) Fees Paid:

Project Address	#	Flow Criteria	GPD	Fee Type	Gallons	Fees
86-90 Forrest Street	1	Application	1	AF	0	\$250.00
86-90 Forrest Street	1950	Process WW (Perm)	1	CF	1950	\$6,649.50
Totals Of Fees Paid:						\$6,899.50

1.) PVSC Consent for Project:

 10/21/20
Gregory A. Tramontozzi, Date
Executive Director