

## **Appendix P**

### **Monitoring Well Information**

**WELL PERMIT**

Modification of 2600051153

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

**Permit Issued to:** ALLSTAR DRILLING & PROBING LLC

**Company Address:** 31 DELRAY PL LAURENCE HARBOR, NJ 08879

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: CITY OF BAYONNE

Address: 630 Ave. C

City: Bayonne City State: New Jersey Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Hudson County Chromate Orphan Site 174

Address: WEST FIRST ST. extending riser to new ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 383

Easting (X): 593779 Northing (Y): 660244  
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: MW-02

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s):

Diameter (in.): 2

Regulatory Program

Depth (ft.): 13

Requiring Wells/Borings:

Pump Capacity (gpm): 0

Case ID Number:

Drilling Method:

Deviation Requested: N

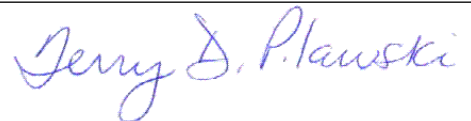
Attachments:

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** May 3, 2021

**Expiration Date:** May 3, 2022

Approved by the authority of:  
Shawn M. LaTourette  
Acting Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 Modification of 2600051153

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

**GENERAL CONDITIONS/REQUIREMENTS**

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: CITY OF BAYONNE

Address: 630 Ave. C Bayonne City, New Jersey 07002

**WELL LOCATION:** Hudson County Chromate Orphan Site 174

Address: WEST FIRST ST. extending riser to new ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 383

Easting (X): <u>593779</u> Northing (Y): <u>660244</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
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**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-02

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 13 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole					
Screen					

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout							
Gravel Pack							

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>

**ADDITIONAL INFORMATION:** No Changes to well, new manhole placed on well

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702 Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174

List all AKAs: Dennis Collins Park

Street Address: West First Street

Municipality: City of Bayonne (Township, Borough or City)

County: Hudson Zip Code: 07002

Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne

2. Well Location (Street Address) West First Street

3. Well Location (Municipal Block and Lot) Block# 383 Lot # 8

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104368

2. Site Well Number as shown on application or plans): ..... MW-02

3. Well Completion Date: ..... 4/9/2021

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.5

5. Total Depth of Well to the nearest 1/2 foot: ..... 16

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 6

7. Screen Length (or length of open hole) in feet: ..... 10

8. Screen or Slot Size: ..... 0.010

9. Screen or Slot Material: ..... PVC

10. Casing Material (PVC, steel, or other – specify): ..... PVC

11. Casing Diameter (inches): ..... 2

12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 7

13. Yield (gallons per minute): ..... 2

14. Development Technique (specify): ..... Pump and surge

15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201610683  
 2. Site Well Number (As shown on application or plans): MW-02  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-43.94 Longitude: West 74-08-01.13  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660277 East 593781  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.29  
 Elevation Top of Outer casing: 9.79 Elevation of ground: 9.79  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:



**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: R. Thomas Hugg Date 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040

Project No: 96-1322-1000  
 Project Name: RI-16, Site 174 - Dennis Collins Park  
 Client: NJDEP  
 Project Location: Hudson County, NJ

**Log of Borehole: SB-17**

Elevation:  
 Total Depth: 14.0'  
 Start: 10/18/99  
 Complete: 10/18/99  
 Weather: Overcast, Breezy, 55 deg. F.

SUBSURFACE PROFILE			SAMPLE				"N" Value	Remarks
Depth	Elevation	Description	Number	Type	Blows/ft.	Recovery		
0	0	Ground Surface						
0.0-0.3'		0.0'-0.3' TOPSOIL and GRASS ROOTS						
0.3-2.8'		0.3'-2.8' FILL red/brown clayey silt with sand, crushed mica and cobbles, damp	S1	SS	44	1.6'	44	
2.8-4.0'		2.8'-4.0' FILL black coal fragments and sandstone cobbles, damp	S2	SS	50	1.7'	50	
4.0-7.0'		4.0'-7.0' FILL red/brown clayey silt	S3	SS	68/6	1.1'	68	
7.0-13.0'		7.0'-13.0' FILL dark gray and black, gravelly sand with silt and some wood fragments, wet at 7.0'	S4	SS	60	1.4'	60	
13.0-14.0'		13.0'-14.0' SANDY GRAVEL tan and gray, coarse to fine sand and gravel with silt and trace of clay (natural material)	S5	SS	48	1.0'	48	
14.0-15.0'		End of Borehole	S6	SS	8	1.0'	8	
15.0-16.0'			S7	SS	21	1.9'	21	



L. Robert Kimball and Associates  
 615 W. Highland Ave.  
 Ebensburg, PA 15931  
 (814) 472-7700

Drilled by: W. Reeve/D. Caldwell  
 Drill rig: Mobile B-57  
 Checked by: J. Marhefka  
 Sheet: 1 of 1

Excerpted from Kimball, 2001. *Final Preliminary Site Characterization Report with Final Site Characterization Recommendations*, Site 174 – Dennis P. Collins Park, Hudson County, New Jersey

Monitor Well Construction Log for MW-02 states MW-02 was installed in SB-17

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne State: New Jersey Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 8 Block: 383

Easting (X): 593901 Northing (Y): 660332  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-101

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

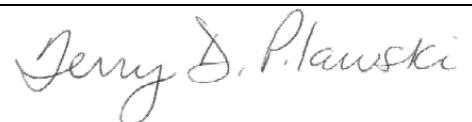
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** December 26, 2017

**Expiration Date:** December 26, 2018

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting



**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 8 Block: 383

Easting (X): <u>593901</u> Northing (Y): <u>660332</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** January 15, 2018  
**DATE WELL COMPLETED:** January 15, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-101

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	15	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	15	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 7 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - .5: Black OT - Other Asphalt  
 .5 - 15: Black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley, MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue extend riser to new ground surface

County: Hudson Municipality: Bayonne City Lot: 8 Block: 383

Easting (X): <u>593904</u> Northing (Y): <u>660326</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** May 7, 2021

**DATE WELL COMPLETED:** May 7, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-101

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 14.88 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole					
Casing	0	4.88	2	PVC	Sch 40
Screen	4.88	14.88	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout							
Gravel Pack							

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>

**ADDITIONAL INFORMATION:** modified casing to match existing ground surface

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174

List all AKAs: Dennis Collins Park

Street Address: West First Street

Municipality: City of Bayonne (Township, Borough or City)

County: Hudson Zip Code: 07002

Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne

2. Well Location (Street Address) West First Street

3. Well Location (Municipal Block and Lot) Block# 383 Lot # 8

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104369

2. Site Well Number as shown on application or plans): ..... MW-101

3. Well Completion Date: ..... 5/7/2021

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.42

5. Total Depth of Well to the nearest 1/2 foot: ..... 15

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 5

7. Screen Length (or length of open hole) in feet: ..... 10

8. Screen or Slot Size: ..... 0.010

9. Screen or Slot Material: ..... PVC

10. Casing Material (PVC, steel, or other – specify): ..... PVC

11. Casing Diameter (inches): ..... 2

12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 7

13. Yield (gallons per minute): ..... 2

14. Development Technique (specify): ..... Pump and surge

15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 8

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714311  
 2. Site Well Number (As shown on application or plans): MW-101  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-44.42 Longitude: West 74-07-59.53  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660326 East 593904  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 6.80  
 Elevation Top of Outer casing: 7.23 Elevation of ground: 7.22  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.



Professional Land Surveyor's Signature: R. Thomas Hugg Date: 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address: 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State: New Jersey Zip Code: 08234  
 Phone Number: 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-101

PAGE 1 OF 1

<b>CLIENT</b> PPG	<b>PROJECT NAME</b> Site 174
<b>PROJECT NUMBER</b> 631230830	<b>PROJECT LOCATION</b> West 1st Street, Bayonne, NJ
<b>DATE STARTED</b> 1/15/18 <b>COMPLETED</b> 1/15/18	<b>GROUND ELEVATION</b> 7.25 ft <b>HOLE SIZE</b> 2 inches
<b>DRILLING CONTRACTOR</b> EPI	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Track mounted geoprobe	▽ <b>AT TIME OF DRILLING</b> 7.50 ft / Elev -0.25 ft
<b>LOGGED BY</b> KT <b>CHECKED BY</b> CL	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Brown sandy SILT, some medium sub angular gravel, semi dense, dry
2.5			
5.0			5.0 2.3 Brown sandy SILT, little fine sub angular gravel, semi dense, moist
7.5			7.5 ▽ -0.3 Brown sandy SILT, little fine sub angular gravel, semi dense, wet
8.5			8.5 -1.3 Brown SILT, some medium sub angular gravel, some sand lenses, semi dense, wet
10.0			10.0 -2.8 Brownish Red medium to coarse SAND, some silts, semi dense, wet
11.0			11.0 -3.8 Brownish Red SILT, some fine to medium sands, little medium sub angular gravel, semi dense, wet
12.5			
15.0			15.0 -7.8

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/22/20 16:29 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne State: New Jersey Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 383

Easting (X): 593796 Northing (Y): 660157  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-103

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

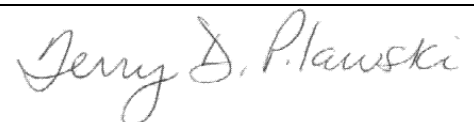
Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** December 26, 2017  
**Expiration Date:** December 26, 2018

Approved by the authority of:  
Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]



**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 383

Easting (X): <u>593796</u> Northing (Y): <u>660157</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** January 15, 2018  
**DATE WELL COMPLETED:** January 15, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-103

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	15	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	15	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 7 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - .5: Black OT - Other Top soil
.5 - 15: Black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley, MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue extend riser to meet new ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 383

Easting (X): <u>593796</u> Northing (Y): <u>660157</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-103

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15.3 Finished Well Depth (ft.): 15.3 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15.30	8		
Casing	0	5.30	2	PVC	Sch 40
Screen	5.30	15.30	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.50
Gravel Pack	3	15.30	8	2	#1 well gravel		

Grouting Method: Gravity method Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - 15.3: brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:** Well was modified to match ground surface with new flush mount

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West First Street  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201714312  
 2. Site Well Number as shown on application or plans): ..... MW-103  
 3. Well Completion Date: ..... 1/15/2018  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.43  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 18  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 8  
 7. Screen Length (or length of open hole) in feet: ..... 10  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 7  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714312  
 2. Site Well Number (As shown on application or plans): MW-103  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-42.76 Longitude: West 74-08-00.97  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660158 East 593793  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.55  
 Elevation Top of Outer casing: 9.98 Elevation of ground: 9.98  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.



Professional Land Surveyor's Signature: R. Thomas Hugg Date: 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address: 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State: New Jersey Zip Code: 08234  
 Phone Number: 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-103

PAGE 1 OF 1

<b>CLIENT</b> PPG	<b>PROJECT NAME</b> Site 174
<b>PROJECT NUMBER</b> 631230830	<b>PROJECT LOCATION</b> West 1st Street, Bayonne, NJ
<b>DATE STARTED</b> 1/15/18 <b>COMPLETED</b> 1/15/18	<b>GROUND ELEVATION</b> 7.16 ft <b>HOLE SIZE</b> 2 inches
<b>DRILLING CONTRACTOR</b> EPI	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Track mounted geoprobe	▽ <b>AT TIME OF DRILLING</b> 7.00 ft / Elev 0.16 ft
<b>LOGGED BY</b> KT <b>CHECKED BY</b> CL	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	
0.0			Brown sandy SILT, little fine angular gravel, semi dense, dry	
2.5				4.7
			Cobble	4.2
			Brown sandy SILT, little fine angular gravel, semi dense, dry	
5.0				
				0.7
6.5			Black SILT, some coarse angular gravel, loose, wet	
7.5				
				-2.8
10.0			Black ASH, loose, wet	
				-3.8
11.0			Dark Gray SILT, little ash, litte fine subrounded gravel, semi dense, wet	
12.5				
15.0				-7.8

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/22/20 16:29 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne

State: New Jersey

Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: W. 1st Avenue

County: Hudson

Municipality: Bayonne City

Lot: 4

Block: 383

Easting (X): 593601 Northing (Y): 660315

Local ID: MW-104

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

WELL USE: MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

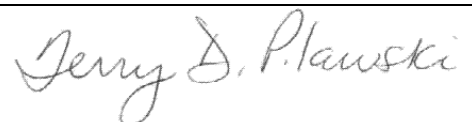
Approval Date: December 26, 2017

Expiration Date: December 26, 2018

Approved by the authority of:

Bob Martin

Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 4 Block: 383

Easting (X): <u>593601</u> Northing (Y): <u>660315</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** January 15, 2018  
**DATE WELL COMPLETED:** January 15, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-104

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	15	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	15	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 7 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - .5: Black OT - Other Top soil
.5 - 15: Black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley, MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING INVESTIGATION



**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue extend riser to meet ground surface

County: Hudson Municipality: Bayonne City Lot: 4 Block: 383

Easting (X): <u>593601</u> Northing (Y): <u>660315</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-104

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 15.2 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole					
Screen					

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout							
Gravel Pack							

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>

**ADDITIONAL INFORMATION:** No changes in well only modified to match ground surface

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702 Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West First Street  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 4

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104370  
 2. Site Well Number as shown on application or plans): ..... MW-104  
 3. Well Completion Date: ..... 4/9/2021  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.57  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 17  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 7  
 7. Screen Length (or length of open hole) in feet: ..... 17  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 7  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 4

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714313  
 2. Site Well Number (As shown on application or plans): MW-104  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-45.14 Longitude: West 74-08-03.09  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660398 East 593629  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.78  
 Elevation Top of Outer casing: 10.05 Elevation of ground: 10.35  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.



Professional Land Surveyor's Signature: R. Thomas Hugg Date 4/6/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-104

PAGE 1 OF 1

<b>CLIENT</b> PPG	<b>PROJECT NAME</b> Site 174
<b>PROJECT NUMBER</b> 631230830	<b>PROJECT LOCATION</b> West 1st Street, Bayonne, NJ
<b>DATE STARTED</b> 1/15/18 <b>COMPLETED</b> 1/15/18	<b>GROUND ELEVATION</b> 8.4 ft <b>HOLE SIZE</b> 2 inches
<b>DRILLING CONTRACTOR</b> EPI	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Track mounted geoprobe	▽ <b>AT TIME OF DRILLING</b> 6.00 ft / Elev 2.40 ft
<b>LOGGED BY</b> KT <b>CHECKED BY</b> CL	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Brown sandy SILT, some medium sub angular gravel, semi dense, dry
2.5			
5.0			5.0 3.4 Brown sandy SILT, some medium sub angular gravel, semi dense, moist
6.0			6.0 ▽ 2.4 Black ASH, loose, wet
7.0			7.0 1.4 Black coarse slag FILL, some ash, some medium sub angular gravel, loose, wet
7.5			8.5 -0.1 Black to gray SILT, loose, wet
10.0			10.0 -1.6 Grayish Brown sandy SILT, little medium sub angular gravel, semi dense, wet
11.0			11.0 -2.6 Reddish Brown sandy SILT, little medium sub angular gravel, semi dense, wet
12.5			13.5 -5.1 Reddish Orange fine SAND, semi dense, wet
14.0			14.0 -5.6 Reddish Brown sandy SILT, little medium sub angular gravel, semi dense, wet
15.0			15.0 -6.6

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/22/20 16:29 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne State: New Jersey Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): 594295 Northing (Y): 660148  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-105

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

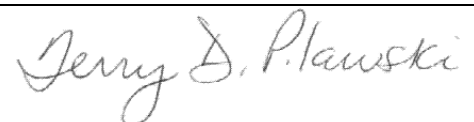
Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** December 26, 2017  
**Expiration Date:** December 26, 2018

Approved by the authority of:  
Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594295</u> Northing (Y): <u>660148</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** January 16, 2018  
**DATE WELL COMPLETED:** January 16, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-105

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 10 Finished Well Depth (ft.): 10 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	10	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	10	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	10	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 8 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - .5: Black OT - Other Asphalt  
 .5 - 10: Black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue Extending riser to meet ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594295</u> Northing (Y): <u>660148</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-105

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 10.2 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole					
Screen					

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout							
Gravel Pack							

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>

**ADDITIONAL INFORMATION:** No changes to well, Modified to match surface conditions, new flush mount.

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

Company: ALLSTAR DRILLING & PROBING LLC





**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
 CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West First Street  
 3. Well Location (Municipal Block and Lot) Block# 383 Lot # 4

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104309  
 2. Site Well Number as shown on application or plans): ..... MW-105  
 3. Well Completion Date: ..... 4/9/2021  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.4  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 12  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 7  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 8  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174

List all AKAs: Dennis P. Collins Park

Street Address: W. 1st St.

Municipality: City of Bayonne (Township, Borough or City)

County: Hudson Zip Code: 07002

Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne

2. Well Location (Street Address) W. 1st St.

3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714314

2. Site Well Number (As shown on application or plans): MW-105

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:

Latitude: North 40-38-42.61 Longitude: West 74-07-54.37

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:

North 660145 East 594302

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 10.15

Elevation Top of Outer casing: 10.55 Elevation of ground: 10.55

Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

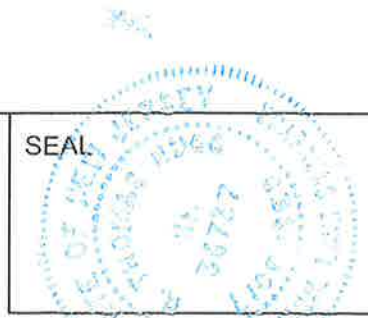
GPS observations using KEYNET VRS SYSTEM in NAVD88

7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



Professional Land Surveyor's Signature: R. Thomas Hugg

Date 3/22/21

Surveyor's Name: R. Thomas Hugg

License Number: 24GS03673700

Firm Name: Colliers Engineering & Design

Certificate of Authorization #: 24GA27986500

Mailing Address 500 Scarborough Drive, Suite 108

City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234

Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-105

PAGE 1 OF 1

<b>CLIENT</b> PPG	<b>PROJECT NAME</b> Site 174
<b>PROJECT NUMBER</b> 631230830	<b>PROJECT LOCATION</b> West 1st Street, Bayonne, NJ
<b>DATE STARTED</b> 1/15/18 <b>COMPLETED</b> 1/15/18	<b>GROUND ELEVATION</b> 8.2 ft <b>HOLE SIZE</b> 2 inches
<b>DRILLING CONTRACTOR</b> EPI	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Track mounted geoprobe	▽ <b>AT TIME OF DRILLING</b> 7.00 ft / Elev 1.20 ft
<b>LOGGED BY</b> KT <b>CHECKED BY</b> CL	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Brown sandy SILT, some medium sub angular gravel, semi dense, dry
1.0			Cobbles
2.0			No Recovery due to rock in shoe
2.5			
5.0			Cobbles, some medium sandy silt, loose, dry
6.0			Brownish Gray silty SAND, some coarse angular gravel, dense, moist
7.0		▽	Light Brown Tan silty SAND, some medium sub angular gravel, dense, wet
7.5			
8.0			Black ASH, some silty sand, some wood, semi dense, wet
9.5			Red sandy SILT, little medium sub angular gravel, dense, wet
10.0			

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/22/20 16:29 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne State: New Jersey Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): 594508 Northing (Y): 660136  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-106

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

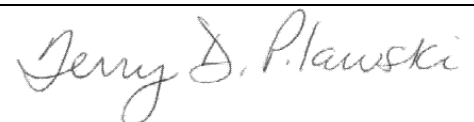
Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** December 26, 2017  
**Expiration Date:** December 26, 2018

Approved by the authority of:  
Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594508</u> Northing (Y): <u>660136</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** January 16, 2018  
**DATE WELL COMPLETED:** January 16, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-106

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	15	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15	0	7.5
Gravel Pack	3	15	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 9 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 15: Black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: W. 1st Avenue extending riser to new ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594508</u> Northing (Y): <u>660136</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-106

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 15.1 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15.10	8		
Casing				PVC	
Screen					

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout							
Gravel Pack							

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>

**ADDITIONAL INFORMATION:** No changes to well, only modified to match surface changes while installing flush mount

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West First Street  
 3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104364  
 2. Site Well Number as shown on application or plans): ..... MW-106  
 3. Well Completion Date: ..... 4/9/2021  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.42  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 16.5  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 6.5  
 7. Screen Length (or length of open hole) in feet: ..... 10  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 9  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5





**New Jersey Department of Environmental Protection**  
Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714315  
 2. Site Well Number (As shown on application or plans): MW-106  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-42.50 Longitude: West 74-07-51.72  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660135 East 594506  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 12.12  
 Elevation Top of Outer casing: 12.54 Elevation of ground: 12.54  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



Professional Land Surveyor's Signature: R. Thomas Hugg Date 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-106

PAGE 1 OF 1

<b>CLIENT</b> PPG	<b>PROJECT NAME</b> Site 174
<b>PROJECT NUMBER</b> 631230830	<b>PROJECT LOCATION</b> West 1st Street, Bayonne, NJ
<b>DATE STARTED</b> 1/16/18 <b>COMPLETED</b> 1/16/18	<b>GROUND ELEVATION</b> 11 ft <b>HOLE SIZE</b> 2 inches
<b>DRILLING CONTRACTOR</b> EPI	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Track mounted geoprobe	▽ <b>AT TIME OF DRILLING</b> 7.00 ft / Elev 4.00 ft
<b>LOGGED BY</b> KT <b>CHECKED BY</b> CL	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			
			Brown sandy SILT, some medium sub angular gravel, semi dense, dry
2.0			9.0
2.5			Cobbles
3.0			8.0
			No Recovery due to Cobbles
5.0			6.0
			Brownish Gray silty SAND, some coarse angular gravel, dense, moist
7.5			▽
8.0			3.0
			Black ASH, some silty sand, some wood, semi dense, wet
10.0			1.0
			Light Brown Tan silty SAND, some medium sub angular gravel, dense, wet
12.0			-1.0
12.5			Brown sandy SILT, some coarse red siltstone, dense, wet
13.0			-2.0
			Light Brown Tan silty SAND, some medium sub angular gravel, dense, wet
15.0			-4.0

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/22/20 16:29 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne

State: New Jersey

Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: West 1st Street

County: Hudson

Municipality: Bayonne City

Lot: 2

Block: 384

Easting (X): 594243 Northing (Y): 660247

**Local ID:** MW-107

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 15

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

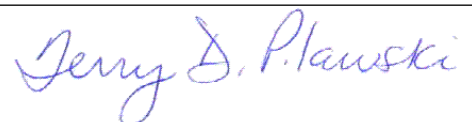
Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** August 27, 2018

**Expiration Date:** August 27, 2019

Approved by the authority of:  
Catherine R. McCabe  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

**GENERAL CONDITIONS/REQUIREMENTS**

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: West 1st Street

County: Hudson Municipality: Bayonne City Lot: 2 Block: 384

Easting (X): <u>594243</u> Northing (Y): <u>660247</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** September 7, 2018

**DATE WELL COMPLETED:** September 7, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-107

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	15	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.50
Gravel Pack	3	15	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 12 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: sub  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - 15: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: John Brass,  
MONITORING LICENSE # 545089

Company: ENVIRONMENTAL PROBING  
INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: West 1st Street extend riser to meet ground surface

County: Hudson Municipality: Bayonne City Lot: 2 Block: 384

Easting (X): <u>594243</u> Northing (Y): <u>660247</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-107

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 15.2 Finished Well Depth (ft.): 15.2 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	15.20	8		
Casing	0	5.20	2	PVC	
Screen	5.20	15.20	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.50
Gravel Pack	3	15.20	8	2	#1 well gravel		

Grouting Method: Gravity method Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
 Static Water Level:    ft. below land surface  
 Water Level Measure Tool:  
 Well Development Period:    hrs.  
 Method of Development:  
 Pump Type:

Pump Capacity:    gpm  
 Total Design Head:    ft.  
 Drilling Fluid:  
 Drill Rig:  
 Health and Safety Plan Submitted?

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - 15.2: brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:** Well was modified to match ground surface with new flush mount only

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702 Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West 1st Street  
 3. Well Location (Municipal Block and Lot) Block# 384 Lot # 2

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104371  
 2. Site Well Number as shown on application or plans): ..... MW-107  
 3. Well Completion Date: ..... 4/9/2021  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.45  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 17.5  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 7.5  
 7. Screen Length (or length of open hole) in feet: ..... 10  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 12  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



Monitoring Well Certification Form B - Location Certification

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

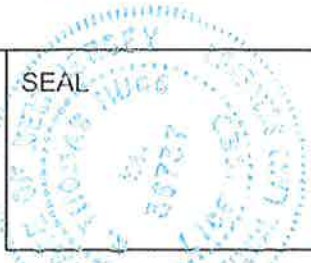
1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 384 Lot # 2

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201808776  
 2. Site Well Number (As shown on application or plans): MW-107  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-43.59 Longitude: West 74-07-55.16  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660244 East 594241  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 8.93  
 Elevation Top of Outer casing: 9.38 Elevation of ground: 9.38  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.



Professional Land Surveyor's Signature: R. Thomas Hugg Date 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040





APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-107

PAGE 1 OF 1

CLIENT PPG PROJECT NAME 174  
 PROJECT NUMBER \_\_\_\_\_ PROJECT LOCATION Bayonne, NJ  
 DATE STARTED 9/7/18 COMPLETED 9/7/18 GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 8 inches  
 DRILLING CONTRACTOR EPI  $\nabla$  WATER LEVEL DRILLING 7.00 ft  
 DRILLING METHOD Track-mounted Geoprobe  
 LOGGED BY J. Alexander CHECKED BY \_\_\_\_\_  
 NOTES \_\_\_\_\_

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0					Casing Type: PVC
0.0 - 2.5		ML		(ML) brown sandy SILT, some gravel, pebbles to cobbles (asphalt and concrete pieces), dry	concrete
2.5 - 5.0		ML		(ML) SAA, moist	bentonite
5.0 - 7.5		ML		(ML) brown sandy SILT and GRAVEL, wet, some dark gray to black at 7-7.5 ft.	
7.5 - 8.0				$\nabla$	
8.0 - 9.0		ML		(ML) gray SILT, soft, wet	
9.0 - 10.0		ML		(ML) red brown sandy SILT and GRAVEL, moist	filter sand
10.0 - 11.0		SW		(SW) gray SAND, some gravel, wet	screen
11.0 - 15.0		ML		(ML) red brown sandy SILT and GRAVEL, subrounded pebbles, wet	

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 9/12/18 09:46 - C:\USERS\JEFFREY.ALEXANDER\DESKTOP\PPG 174 WELL LOGS.GPJ

**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF BAYONNE

Organization: City of Bayonne

Address: 630 Avenue C

City: Bayonne

State: New Jersey

Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: Dennis Collins Park

Address: West 1st Street

County: Hudson

Municipality: Bayonne City

Lot: 6

Block: 385

Easting (X): 594327 Northing (Y): 660111

**Local ID:** MW-108

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 15

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

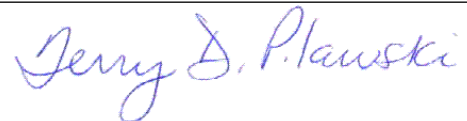
Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** August 27, 2018

**Expiration Date:** August 27, 2019

Approved by the authority of:  
Catherine R. McCabe  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

**GENERAL CONDITIONS/REQUIREMENTS**

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: West 1st Street

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594327</u> Northing (Y): <u>660111</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** September 7, 2018

**DATE WELL COMPLETED:** September 7, 2018

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-108

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 13 Finished Well Depth (ft.): 13 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	13	8		
Casing	0	3	2	PVC	Sch 40
Screen	3	13	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	8	2	5		2.50
Gravel Pack	1	13	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 12 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid: \_\_\_\_\_  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - 13: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: John Brass, MONITORING LICENSE # 545089 Company: ENVIRONMENTAL PROBING INVESTIGATION

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF BAYONNE

Company/Organization: City of Bayonne

Address: 630 Avenue C Bayonne, New Jersey 07002

**WELL LOCATION:** Dennis Collins Park

Address: West 1st Street extend riser to meet new ground surface

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): 594327 Northing (Y): 660111  
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL STARTED:** April 9, 2021

**DATE WELL COMPLETED:** April 9, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-108

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 0 Finished Well Depth (ft.): 13.5 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	13.60	8		
Casing	0	3.60	2	PVC	Sch 40
Screen	3.60	13.60	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	8	2	5		2.50
Gravel Pack	1	13.60	8	2		#1 well gravel	

Grouting Method: \_\_\_\_\_ Drilling Method: \_\_\_\_\_

**ADDITIONAL INFORMATION**

Protective Casing: Yes  
Static Water Level: 12 ft. below land surface  
Water Level Measure Tool:  
Well Development Period:    hrs.  
Method of Development:  
Pump Type:

Pump Capacity:    gpm  
Total Design Head:    ft.  
Drilling Fluid:  
Drill Rig:  
Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

**ADDITIONAL INFORMATION:** No changes to well, new well pad to match surface conditions

Driller of Record: JOSEPH F NERI, JOURNEYMAN LICENSE # 421702

Company: ALLSTAR DRILLING & PROBING LLC



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174

List all AKAs: Dennis Collins Park

Street Address: West First Street

Municipality: City of Bayonne (Township, Borough or City)

County: Hudson Zip Code: 07002

Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne

2. Well Location (Street Address) West 1st Street

3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202104365

2. Site Well Number as shown on application or plans): ..... MW-108

3. Well Completion Date: ..... 4/9/2021

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.43

5. Total Depth of Well to the nearest 1/2 foot: ..... 14

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 4

7. Screen Length (or length of open hole) in feet: ..... 10

8. Screen or Slot Size: ..... 0.010

9. Screen or Slot Material: ..... PVC

10. Casing Material (PVC, steel, or other – specify): ..... PVC

11. Casing Diameter (inches): ..... 2

12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 12

13. Yield (gallons per minute): ..... 2

14. Development Technique (specify): ..... Pump and surge

15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: PPG Site 174  
 List all AKAs: Dennis P. Collins Park  
 Street Address: W. 1st St.  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) W. 1st St.  
 3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

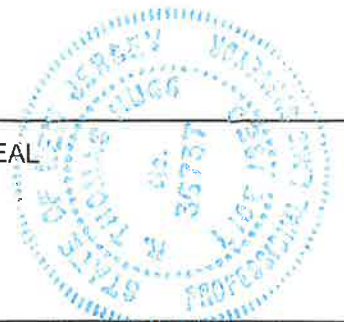
**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): 201808777  
 2. Site Well Number (As shown on application or plans): MW-108  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-42.27 Longitude: West 74-07-54.11  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660111 East 594322  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.75  
 Elevation Top of Outer casing: 10.18 Elevation of ground: 10.18  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



Professional Land Surveyor's Signature: R. Thomas Hugg Date 3/22/21  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Colliers Engineering & Design Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



APTIM  
17 Princess Road  
Lawrence Township, NJ 08648

# WELL NUMBER MW-108

PAGE 1 OF 1

CLIENT PPG PROJECT NAME 174

PROJECT NUMBER \_\_\_\_\_ PROJECT LOCATION Bayonne, NJ

DATE STARTED 9/7/18 COMPLETED 9/7/18 GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 8 inches

DRILLING CONTRACTOR EPI WATER LEVEL DRILLING 7.00 ft

DRILLING METHOD Track-mounted Geoprobe

LOGGED BY J. Alexander CHECKED BY \_\_\_\_\_

NOTES \_\_\_\_\_

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 9/12/18 09:46 - C:\USERS\JEFFREY.ALEXANDER\DESKTOP\PPG 174 WELL LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0					Casing Type: PVC
0.0 - 2.5				(ML) brown sandy SILT, cobbles to boulders, dry	concrete bentonite
2.5 - 5.0		ML			
5.0 - 6.0		ML		(ML) brown sandy SILT and GRAVEL, dry	
6.0 - 7.0		GC		(GC) crushed stone, concrete	
7.0 - 9.0		ML		(ML) brown SILT, some gravel	filter sand screen
9.0 - 10.0		ML		(ML) brown SILT, brick material	
10.0 - 11.0		ML		(ML) brown sandy SILT and GRAVEL	
11.0 - 12.0		SW		(SW) f-m SAND, some gravel, dry	
12.0 - 13.0		ML		(ML) sandy SILT, some gravel, wood pieces, wet	
13.0 - 13.5				Wood, refusal, wet	
Bottom of borehole at 13.5 feet.					



**WELL PERMIT**

New Well

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 which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** RICHARD L DAVIS, JOURNEYMAN LICENSE # 0022657

**Permit Issued to:** SUMMIT DRILLING, LLC

**Company Address:** 81A CHIMNEY ROCK RD BRIDGEWATER TWP, NJ 08805

**PROPERTY OWNER**

Name: N/A CITY OF BAYONNE

Organization: CITY OF BAYONNE

Address: 630 AVENUE C

City: Bayonne

State: New Jersey

Zip Code: 07002

**PROPOSED WELL LOCATION**

Facility Name: HCC Site 174

Address: W 1ST ST

County: Hudson

Municipality: Bayonne City

Lot: 6

Block: 385

Easting (X): 594511 Northing (Y): 660087

**Local ID:** MW-109

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program \_\_\_\_\_

Depth (ft.): 20

Requiring Wells/Borings: \_\_\_\_\_

Pump Capacity (gpm): 0

Case ID Number: Aptim Bayonne

Drilling Method: Sonic

Deviation Requested: N

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

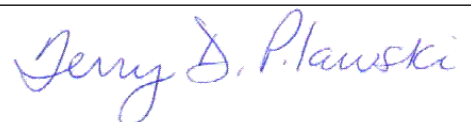
**Approval Date:** October 5, 2021

**Expiration Date:** October 5, 2022

Approved by the authority of:

Shawn M. LaTourette

Acting Commissioner



Terry Pilawski, Chief

Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

**GENERAL CONDITIONS/REQUIREMENTS**

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
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. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** N/A CITY OF BAYONNE

Company/Organization: CITY OF BAYONNE

Address: 630 AVENUE C Bayonne, New Jersey 07002

**WELL LOCATION:** HCC Site 174

Address: W 1ST ST

County: Hudson Municipality: Bayonne City Lot: 6 Block: 385

Easting (X): <u>594500</u> Northing (Y): <u>660092</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** October 8, 2021

**DATE WELL COMPLETED:** October 8, 2021

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-109

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 17 Finished Well Depth (ft.): 17 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	17	6		
Casing	0	12	2	PVC	sch 40
Screen	12	17	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	9	6	2	5	94	8
Gravel Pack	9	17	6	2	#00 & #1 Morie		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Sonic

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 11 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: 1 hrs.  
 Method of Development: Pump  
 Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid: \_\_\_\_\_  
 Drill Rig: SRS  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 17: Brown GM - Silty gravels, gravel-sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: William A. Shinn, Jr.,  
 MASTER LICENSE # 0001587

Company: SUMMIT DRILLING, LLC



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chromate Site 174  
 List all AKAs: Dennis Collins Park  
 Street Address: West First Street  
 Municipality: City of Bayonne (Township, Borough or City)  
 County: Hudson Zip Code: 07002  
 Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Bayonne  
 2. Well Location (Street Address) West 1st Street  
 3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E202110151  
 2. Site Well Number as shown on application or plans): ..... MW-109  
 3. Well Completion Date: ..... 10/8/2021  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.37  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 17  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 12  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 11  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 1



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: HUDSON COUNTY CHROMATE SITE 174

List all AKAs: DENNIS COLLINS PARK

Street Address: W 1ST ST

Municipality: BAYONNE CITY (Township, Borough or City)

County: HUDSON Zip Code: 07002

Program Interest (PI) Number(s): G000011472 Case Tracking Number(s): RPC930002

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner CITY OF BAYONNE

2. Well Location (Street Address) WEST 1ST AVENUE

3. Well Location (Municipal Block and Lot) Block# 385 Lot # 6

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E202110151

2. Site Well Number (As shown on application or plans): MW-109

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-38-42.08 Longitude: West 74-07-51.80

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 660092 East 594500

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 12.43  
 Elevation Top of Outer casing: 12.82 Elevation of ground: 12.8

Check one:  NAVD 88  NGVD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

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7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

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 the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature:  Date 01/17/2022

Surveyor's Name: Keith M. Ludwig License Number: 24GS04324400

Firm Name: Pennoni Associates Certificate of Authorization #: GA28033300

Mailing Address 515 Grove Street, Suite 1B

City/Town: Haddon Heights State NJ Zip Code: 08035

Phone Number 856-284-0019 Ext.: Fax:

