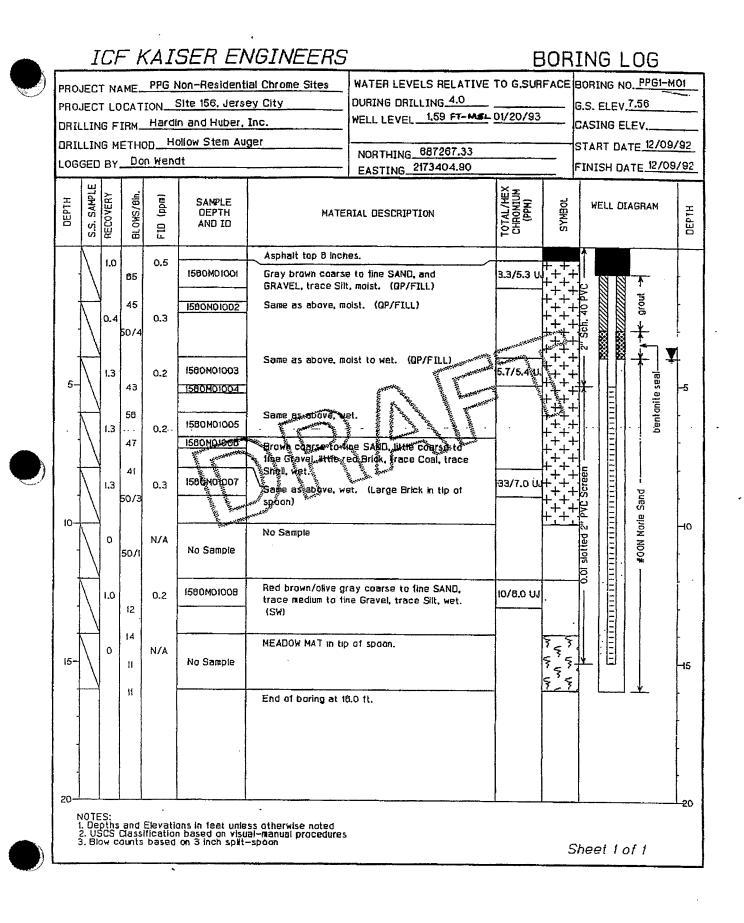
Boring Logs

Note: A boring log for well MW-8 was not prepared.



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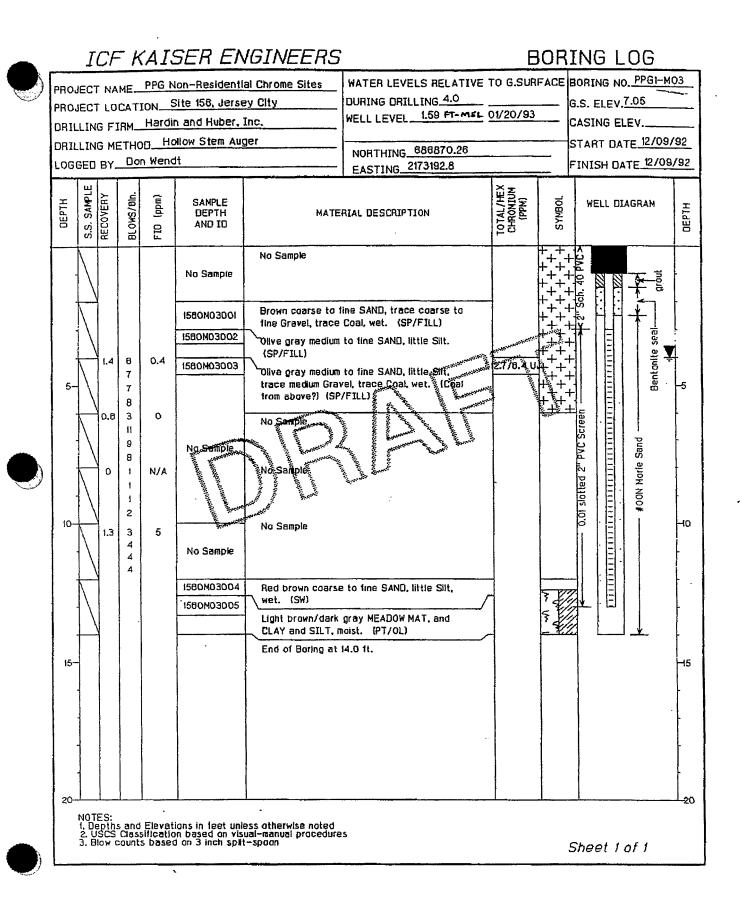
EC	OM						Boring ID:	MW-1R	
Knigh	ntsbrid	ge Roa	d, Pisca	itaway,	NJ 08	8542		Sheet 1 of 1	
oject:	PPG Si	te 156				Drilling Company: Advanced Drilling	Coordinate (NJSPNAD83) x	: 619430	
oject l	Numbe	er: 604	93065			Drilling Method: Direct Push/H.S.A.	Coordinate (NJSPNAD83) y	: 686981	
te Sta	art Dril	ing: 04	l/21/20	16		Rig Type: Geoprobe 7825D/H.S.A.	Drilling Water Level (ft bgs)	: 5.50	
te Fin	nished	Drilling	g: 04/22	1/2016		Core Size (inches): 2/8 OD	Boring Total Depth (ft bgs):	: 15.5	
ysical	Locati	on: 27	0 Marir	n Boule	vard, J	ersey City, NJ	Logged By: M. Irving		
			0	· ·	1				
(1 1)	Recovery (ft)	(mqq) DIq	Moisture Content	GA Class.	uscs	Surface Cover and T	hickness	Sample Name	
1	0			NA	NR	Soft Dug			
2									
3— 4—									
5	4			NA	FILL	Grayish brown dense graded aggregate			
6—			Wet		FILL	Dark brown fine to coarse SAND, little silt, wood			
7 — - 8 — -						fragments, brick fragments, trace ash, concrete le @ 7.0-7,5.	ens		
9					NR	Refusal @ 9.0' bgs, No Recovery.			
0	5			NA	FILL	Grayish Brown fine to medium SAND, some silt,lit	tle		
1 — - 2 —						wood fragments, trace ash, no odor, no staining.			
3				NA	FILL	Light brown fine to medium SAND, wet,no odor, i	no staining, trace ash.		
4— 5—				NA	FILL	Light brown fine to medium SAND, wet,no odor,	no staining, trace ash.		
۲ ^۲	0.5			NA	FILL	Gray fine SAND, little vegetation, trace ash, gray,			
6—					РТ	PEAT (80% organic fibers, 20% organic silt, moder	rate organic odor, no staining		
7_									
8—									
9									
0-0	1								

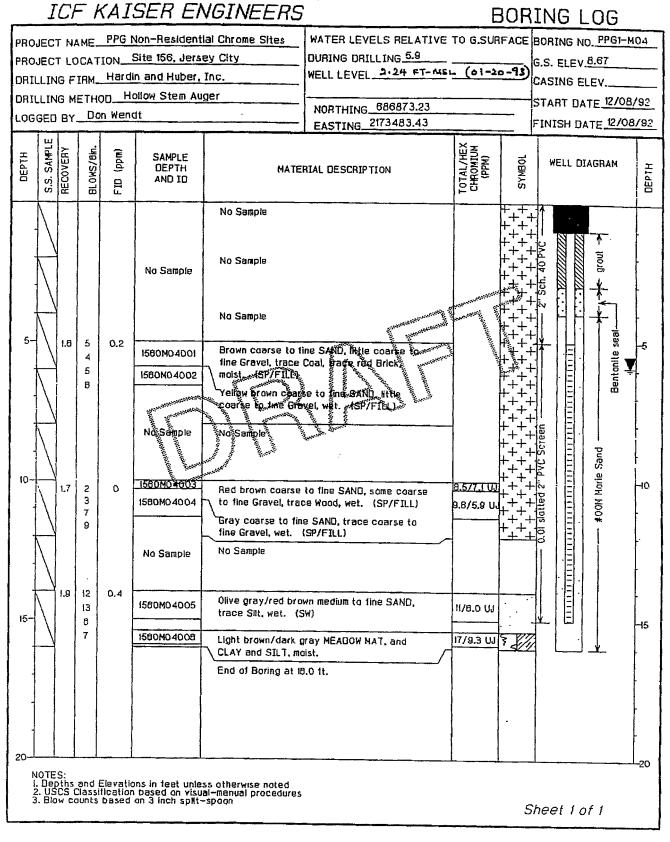
OJECT NAME PPG No OJECT LOCATION SI RILLING FIRM Hardin RILLING METHOD Hol DGGED BY Don Wendt	and Huber, Inc. Iow Stem Auger	WATER LEVELS RELATIVE T DURING DRILLING 6.0 WELL LEVEL 2.80 FT-MSL	0 G.SURFACE			
OJECT NAME PPG No OJECT LOCATION SI RILLING FIRM Hardin RILLING METHOD Hol DGGED BY Don Wendt	on-Residential Chrome Sites te 156, Jersey City and Huber, Inc. low Stem Auger	WATER LEVELS RELATIVE T			PPG1-MO	
OJECT LOCATION_SI RILLING FIRM_Hardin RILLING METHOD_Hol DGGED BY_Don Wendt	and Huber, Inc. Iow Stem Auger	WELL LEVEL 2.80 FT-MEL		1 0		2
HILLING FIRM Hardin HILLING METHOD Hol DGGED BY Don Wendt	and Huber, Inc. Iow Stem Auger	WELL LEVEL 2.007	1/20/93	G.S. ELEV.9		 ;
BILLING METHOD Hol	low Stem Auger			CASING ELE		 32
ω		NORTHING 687020.84		FINISH DAT		
	t	EASTING_2173359.35	X		· · · · · · · · · · · · · · · · · · ·	
UCTIN RECOVERY BLOWS/BIn. FID (ppm)	SAMPLE DEPTH MATE AND ID	ERIAL DESCRIPTION	TOTAL/HEX CHROMIUM (PPN) SYMBOL	WELL DIA	GRAM	DEPTH
0.4 3 0	1580M02001 Ornamental Stone		0.275.5 U.+ + + +			, L
8	Gray brown coar GRAVEL, moist.	se to line SAND, and (FILL)			1 5	
8	1560M02002 Same as above.				grout	[
0.9 35 N/A 12 12	1580N02003 Red brown mediu little coarse to f Ore Residue?)	m to fine SAND, some Silt, ine Gravel, moist. (Chromite		Sch. 40 PVI	*	
1.2 7 0		trace Chrome Nodules.	\$310/14f0	500	seal-	Ls
5- 13 15 5 0.8 7 0.4	Red brown/blue fine Sand, some coarse Gravel, n	green SILT, some coarsesto Chrome NoOules, trace noist. (Chromite Ore Residue) Wat. (Chromite Ore Residue)	0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bentonite seal	
	Gravebrown/bro	wn caarse to line SANDrane.				
1.5 51/5' 18 1.0 22 51/3'	1580902008 trace coarse to	, tracé, céarse to fine Sand,) line Gravel, trace Chrome ad Brick, liftle Gravel, last 8 chromite Ore Residue)	► 0		Sand	
0.5 33 0.1	1580M02009 Gray medium to red Brick, wet.	line SAND, some Wood, little (FILL)		++++++++++++++++++++++++++++++++++++++	#00N Morie Se	
1,4 7 O.B	trace medium to	dium to fine SAND, trace Silt, o fine Gravel, wet. ium to fine SAND, trace Silt,	22/5.8 J +	slotted 2" p	0	
12	wet. (SW)			<u>0.01 sle</u>		-
1.7 7 0.2	ISBOM02012 Same as above	e, little Silt.		·0		
15-				: : :		
12	Same as above	e, little Silt.	42/8.0 J		·	Ī
1.8 5 0.8 7 9	15801102013					
13 1.5 1 0.8	1580M02014 Dark gray SIL Nat.	T and CLAY, trace Neadow				
202						
NOTES: 1. Depths and Eleva 2. USCS Classificat 3. Blow counts bas	ations in feet unless otherwise note tion based on visual-manual proced ed on 3 inch split-spoon	ed Iurés		Sheet	1 of 1	

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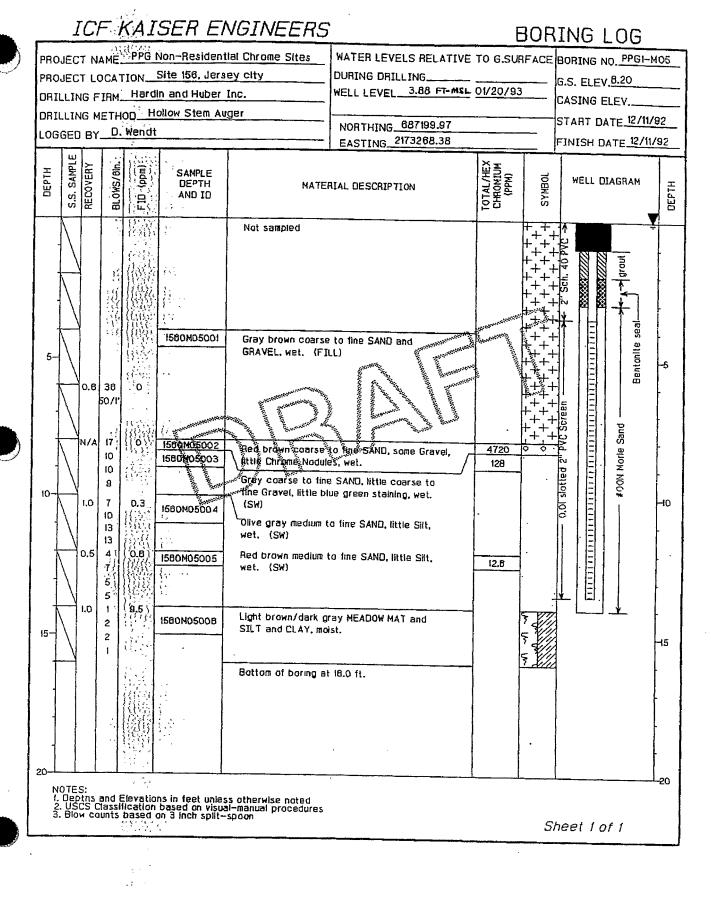
PPG 0143 1278











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AEC	ЮM						Boring ID:	MW-5R
0 Knig	htsbrid	ge Roa	ad, Pisca	taway	, NJ 088	354⊡		Sheet 1 of 1
	: PPG S					Drilling Company: Advanced Drilling	Coordinate (NJSPNAD83) x	: 619294
roject	Numbe	er: 604	93065			Drilling Method: Direct Push/H.S.A.	Coordinate (NJSPNAD83) y	: 686914
ate St	art Dril	ling: 0	4/21/20	16		Rig Type: Geoprobe 7825D/H.S.A.	Drilling Water Level (ft bgs): 4.70
ate Fi	nished	Drillin	g: 04/22	2/2016	5	Core Size (inches): 2/8 OD	Boring Total Depth (ft bgs)	: 15.75
hysica	I Locati	ion: 27	'0 Marin	Boule	evard, J	ersey City, NJ	Logged By: M. Irving	
		•						
(£f)	Recovery (ft)	OId (mqq)	Moisture Content	GA Class.	uscs	Surface Cover and Th	nickness	Sample Name
_	0			NA		Asphalt		
1 —	-			NA	FILL	Backfill Quarry Process		
-	-					Drillers advance boring to 10 feet below ground s (no soil characterization)	urface	
2—								
3—								
-								
4—								
5—			Wet					
-	-		@4.70					
6—								
7—	1							
-	-							
8—	-							
9—	1							
-	-							
10—	1		Wet	NA	FILL	Grayish brown fine to medium SAND, wet, no odo	pr. no	
- 11						staining.	.,,	
12—								
10								
13—								
14—	_							
- 1 E								
15—	1.75			NA	FILL	Grayish brown fine to medium SAND, wet, no odd		
16—					PT	PEAT (80% organic fibers, 20% organic silt, slight o	organic odor, no staining	
-								
17—								
- 18—								
-	_							
19—								
20								
20 —	T		1		1			

AEC	OM						Boring ID:	MW-6
0 Knig	htsbrid	ge Roa	d, Pisca	taway,	NJ 08	8542		Sheet 1 of 1
roject	: PPG Si	te 156				Drilling Company: Advanced Drilling	Coordinate (NJSPNAD83) >	«: 619111
roject	Numbe	er: 604	93065			Drilling Method: Direct Push/H.S.A.	Coordinate (NJSPNAD83)	ı: 686739
ate St	art Drill	ing: 04	/14/20	16		Rig Type: Geoprobe 7825D/H.S.A.	Drilling Water Level (ft bgs	5): 4.94
ate Fi	nished I	Drilling	: 04/14	4/2016		Core Size (inches): 2/8 OD	Boring Total Depth (ft bgs)	: 14
hysica	l Locati	on: 27	0 Marin	Boule	vard, J	ersey City, NJ	Logged By: M. Irving	
					•			
(£f)	Recovery (ft)	(wdd) Clid	Moisture Content	GA Class.	uscs	Surface Cover and Th	iickness	Sample Name
_	0	0.0		NA	NR	Soft Dug		
1—	-							
-								
2—								
3—								
-	-							
4—			Wet					
- 5—			@ 4.94					
-	3	0.0	Wet	NA	FILL	Dense graded aggregate, with medium coarse gra	vel,	
6—						no odor, no staining.		
-								
7—				NA	FILL	Reddish brown fine SAND, slight black staining, no)	
8—			C			odor, slightly moist.		
-	As-I	ouilt si	urface	7.9 fe	et belo	w groundsurface		
9—								
10—								
_	4	0.0	Wet	NA	FILL	Dark brown silty fine SAND, wet, trace fine gravel, saturated @ 11.5'-13.8'		
11—						Saturated @ 11.5 -13.8		
- 12—								
-								
13—								
-								
14—			Moist	NA	PT	PEAT (70% organic fibers, 30% organic silt), slight	y moist.	
15—								
-								
16—								
- 17—								
18—								
-								
19—								
20—	1							
20								

AEC	ОМ						Boring ID:	CS H5A
30 Knig	htsbrid	ge Roa	d, Pisca	ataway,	NJ 08	354₽		Sheet 1 of 1
Project	: PPG Si	ite 156				Drilling Company: Advanced Drilling	Coordinate (NJSPNAD83) >	<: 619390
Project	Numbe	er: 6049	93065			Drilling Method: Direct Push/H.S.A.	Coordinate (NJSPNAD83)	/: 686805
Date St	art Dril	ling: 04	/15/20	016		Rig Type: Geoprobe 7825D/H.S.A.	Drilling Water Level (ft bgs	s): 6.00
Date Fii	nished	Drilling	: 04/1	5/2016		Core Size (inches): 2/8 OD	Boring Total Depth (ft bgs)	: 16
Physica	l Locati	on: 27	0 Marir	n Boule	vard, J	ersey City, NJ	Logged By: M. Irving	
		1						
Depth (ft)	Recovery (ft)	(mqq)	Moisture Content	GA Class.	uscs	Surface Cover and T	hickness	Sample Name
-	0	0.0		NA	FILL	Soft Dug		
1—	1							
2—	1							
	4							
3—	{							
-	1							
4								
5—		0.0		N1.0	5 111			
-	4	0.0		NA	FILL	Dense graded aggregate		
6—			Wet					
7—								
-	1							
8—	1							
9—]							
-	-							
10—	5	0.0	Wet	NA	FILL	Dense graded aggregate		
- 11—								
12—	-							
-	As-l	built si	irface	12.9 fe	eet be	ow around surface		
13—								
14—	4				FILL	Reddish brown fine to medium SAND, trace brick		156-CS H5A5 TO -5.5
-	1					fragments, little fine gravel		(13.5 - 14 feet)
15	1		Wet	NA	FILL	Black fine SAND, ash(soot), trace cinders, no odor	, no staining, saturated, reddish	
_			wei	NA		brown sand first 3 inches UND organic SILT (80% organic silt, 20% organic f	ibers) slight organic odor no	
16					OL	staining remaining 9 inches	ibers), sight organic odor, no	
17—	4							
10	1							
18—	1							
19—	4							
-	-							
20 —	ł							

AECO	DM						Boring ID:	MW-9	
) Knigh	tsbrid	ge Roa	d, Pisca	taway,	NJ 08	3542	_	Sheet 1 of 1	
oject:	PPG Si	te 156				Drilling Company: Advanced Drilling	Coordinate (NJSPNAD83) x	: 619192	
oject N	Numbe	er: 6049	93065			Drilling Method: Direct Push/H.S.A.	Coordinate (NJSPNAD83) y	: 686976	
te Sta	rt Drill	ing: 04	/21/20	16		Rig Type: Geoprobe 7825D/H.S.A.	Drilling Water Level (ft bgs): 5.40		
te Fin	ished [Drilling	: 04/21	L/2016		Core Size (inches): 2/8 OD	Boring Total Depth (ft bgs)	: 16	
ysical	Locati	on: 27	0 Marin	Boule	vard, J	ersey City, NJ	Logged By: M. Irving		
-					-				
(tt)	Recovery (ft)	(mqq)	Moisture Content	GA Class.	nscs	Surface Cover and Th	iickness	Sample Name	
	0	0.0		NA	FILL	Backfilled with Quarry Process.			
1—									
<u> </u>									
2									
3—									
4—									
5									
~ _	3	0.0	Moist	NA	FILL	Grayish brown fine to coarse SAND, brick lens at			
6—				NA	FILL	5.5-5.6, no odor, no staining, slightly moist. Light brown fine to medium SAND, wood fragmer	its.		
- T				1111		moist, wet @ 7.0'bgs, no odor, no staining.	,		
$^{\prime}$									
8—					ND				
					NR	No recovery			
9—									
0-									
	5	0.0		NA	FILL	Brown fine to medium SAND, trace silt, trace woo	d		
1—						fragments, moist to wet.			
2_									
-									
3—									
, ┥									
4									
5—	_				5 11 ·		un staining		
-	1			NA NA	FILL PT	Brown SILT with trace vegetation (grass), no odor, PEAT (80% organic fibers, 20% organic silt), mode			
6									
7_									
'									
8—									
19—									
20									
					L	 v excavation at test pit TO-2 and bori			

AECON	1					Boring ID:	MW-10	
0 Knightsbr	dge Roa	d, Pisca	itaway,	NJ 08	8542		Sheet 1 of 1	
oject: PPG	Site 156				Drilling Company: Enviroprobe	Coordinate (NJSPNAD83) x:	619564	
roject Num	ber: 604	93065			Drilling Method: Direct Push	Coordinate (NJSPNAD83) y	686780	
ate Start Di					Rig Type: Geoprobe 7825DT	Drilling Water Level (ft bgs): 4.00		
ate Finishe					Core Size (inches): 1.5	Boring Total Depth (ft bgs):	7	
hysical Loca	tion: 27	0 Marir	Boule	vard, .	lersey City, NJ	Logged By: M. Irving		
		a	•		1			
(ft) Recovery	(mqq)	Moisture Content	GA Class.	nscs	Surface Cover and	l Thickness	Sample Name	
0			NA	NR	No lithology recorded.			
1—								
2								
3—								
4—								
_ 5_								
5								
6—								
7								
_								
8								
9—								
10—								
11								
_								
12								
13—								
14—								
_ 15—								
-								
16—								
17—								
_ 18—								
_								
19—								
20 —								

				Number:	PPG 6	2493065.18			BORING II	0:156 - MU	18A
A	ECC	M	Site Lot Coordi	nates:		TRD TOWARS SEPSEY C Elevatio		· · · · · · · · · · · · · · · ·	Sheet: /	ori	
				z Method:	140	seps			Monitoring Well	Installed: VES	
			Sample	Type(s):			Diameter:			ul: 8,0 - B,	<u>0</u>
Weather:	SUMM							11/3/17	Depth of Boring	: 13.0	
Drilling Co	ontractor:	565				Ground Elevation: Date/Tin	ne Finished:	11/3/17	Water Level:		
Depth (ft)	Geologic Sample ID	Blows per 6"	Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, N moisture content, structure, angularity (J				FUSH AT	Lab Sample Depth (ft)
						ASPIIMT 4"		<i>.</i>		N FIN	E CONCICA
1						—————————————————————————————————————					1-49
2 3						GRAY DGA BACKI (EXCANA 72P AM SEPTEMBON	-ILL D BACK	KILLED		e e e e e e e e e e e e e e e e e e e	8"
						C Ercorvit		. \			- 2" 5CH 40 F
4 5						SEPTEVABU	(600°			6ROUT	40 f R13
6		Ť									
											-00:
7											
											7.5
8											
		•									- Ħ I SM
°											
							•			1 Ele-	+ 10 50
°										Innunde Innunde	- 10 su PVC SCRE
1											
2											
						V			an a	E E E	13,0'
3				}			1				
						ÉOB @	13.0				
4										1	
15											
16						· · ·					
17		1									
18											
			ŧ.								ļ
19		1								1	
20								Date Ti	me Depth to groundwat	er while drilling	
NOTES	c.								and Liphor to Broundwar		
NULE											
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Conditional Election Steel OF 2 Weather: Steel Construct Define Dimeters Left Steel Construct 2017 Weather: Steel Construct Steel Construct Define Dimeters Left Steel Construct 2010 2010 2010 2010 2010 2010 2010 2010 2010 <		a and and	PP				<u></u> Me	TRO TOUGES JEBSEN CATA		BORING II	156-	- / 10	00
Sequel: Deck: PMrCo Co 2: Dec Ministry Dumber: If 2/17 Geness Deck of Berning: Dock of Ber				///I	Coordi	inates:		Elevation:		Sheet: / 4	0×2		
Weather: SUMMed 70% Logand Bits: C Dumber Construction: Data if and income and intermed in 1/2 [17] Depart Lemont: Description: Diffing Construction: S S Organd Bits: Data if and income and solve and construction. Data if and income and constructin and income and constru									w.u.t.	11			
Defining Continuence: Set S Growent Strengter: DearTime Printing (11/2) 17 Wang Lengt D. D. U 9 1 </td <td>Weatha</td> <td>r. 1</td> <td>INMM</td> <td>705</td> <td>Sample</td> <td>e Type(s)</td> <td>: ///</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>. 6</td>	Weatha	r. 1	INMM	705	Sample	e Type(s)	: ///						. 6
Bit Hold											~ 3.1	0	
1 1 <td></td> <td>9</td> <td></td> <td><u></u></td> <td>9</td> <td></td> <td> </td> <td></td> <td>10117</td> <td>in dier bereit.</td> <td></td> <td></td> <td>-5</td>		9		<u></u>	9				10117	in dier bereit.			-5
1 1 <td>Depth (ft)</td> <td>Geologic Sample</td> <td>Sample Depth</td> <td>Blows per 6"</td> <td>Recovery (inche</td> <td>Headspace (ppm</td> <td>U.S.C.S.</td> <td>moisture content, structure, angularity, maximum gr (If Known)</td> <td></td> <td></td> <td>FLUSA FLUSA</td> <td>2 CONST</td> <td></td>	Depth (ft)	Geologic Sample	Sample Depth	Blows per 6"	Recovery (inche	Headspace (ppm	U.S.C.S.	moisture content, structure, angularity, maximum gr (If Known)			FLUSA FLUSA	2 CONST	
2 3 GRAY DGA BACKFUL February 3 6 (Excavareo And Reckfull) 8 4 Storember 2017) 8 5 Storember 2017) 8 6 Storember 2017) 8 7 Storember 2017) 8 8 Storember 2017) 8 9 Storember 2017) 8 10 Storember 2017) 10 11 Storember 2017) 10 12 Storember 2017) 10 11 Storember 2017) 10 12 Storember 2017) 10 13 II ISSection 2017 14 ISSection 2017 Storember 2017 15 II ISSection 2017 16 C1 NA 415 17 INF Storember 2017 18 V Storember 2017 18 V Storember 2017 19 ISSection 2017 Storember 2017 18 V Storember 2017 19 ISSection 2017 Storember 2017 10 ISSection 2017 Storember 2017 118 V ISSection 2017 118 V ISSection 2017 <								ASPHALT 4"	······			<u>~ ×</u> «	COMCRETE PAP
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3 4 5 6 7 8 9 10 11 12								r,~142.7€)		PPD De Rout of Marine Olove (File 2) PIER Marine	111711 GROAD 11 al Draw 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	С Вийс но ј2 ¹¹ - Ө ¹¹ стек Сколн
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					-11-			<u>V</u>			381		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	14 15		13.5- 16.5		90-2 -		РТ	15:5=16:5 PEAT 75% FIGTE, 23% SI ORGANIC ODOR, MOIST ((_PT)	6 <i>H-</i> 7			1000 A.M.
17 16:5-18:0 Gery olechnic stut of corr, moist - wet, 1 18 18:0 19 18:0 19 18:0 18.0 18:5-22:0 19 18:5-22:0 18 18:5-22:0 19 18:5-22:0 18 18:5-22:0 19 18:5-22:0 19 18:5-22:0 18:5-22:0 18:5-22:0 19 18:5-22:0 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 19:5 10:5 10:5 10:5 10:5 10:5		(-1		NA	4.5	-						Je.	ODRAHOLE
$\frac{10}{19} - \frac{1}{18.0} + \frac{1}{18.5} + \frac{18.0}{20} + \frac{18.5}{18.5} + \frac{18.5}{20.0} + \frac{18.5}{$	17		1615-				ML	16.5-18.0 GRAY ORCHANGINT OR CUT,	M0157-	WET,	W.	Š.	6"
$\frac{10}{19} - \frac{1}{18.0} + \frac{1}{18.5} + \frac{18.0}{20} + \frac{18.5}{18.5} + \frac{18.5}{20.0} + \frac{18.5}{$	10-		10.0				, , , , , , , , , , , , , , , , , , ,	SDFT, NO DOURS/ STAININE (ML)	,	21		
NOTES:	10	V					s۲	18.0-18.5 GRAY FINE SAMD, be SILT	wer,	MEDIUM	<u> </u>		6.5
NOTES:	19	Î			1		ML	18.5 -22.13 DARK GERM SILT, 44 SOFT , No DOORD STAING	<u>ог)</u> <i>тыя сыл</i> (mЦ)	espun, en cum	2045 A. (.		00 SMM 19,5
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Checked by Date:	NOT	s:											
Checked by Date:													
Checked by Date:	•									1			
			Checked by	1	·	C	ate:						· ···

м	s			Client: Project Site Loc	Number ation:	:	SEE PAGE 1			156-ML	0 B B
A		:0	M	Coordin			Elevation:	SI	heet: 2	or 2	
				Drilling	Method	!:		M	onitoring Well In	stalled:	
				Sample	Type(s):	•	Boring Diameter:	Sc	creened Interval:		
Weather.							Logged By: · Date/Time Started:	D	epth of Boring:		
Drilling	Contrac	tor:	·····				Ground Elevation: Date/Time Finished:	RP .	ater Level:		
Uepth (ft)	Geologic Sample ID	Sample Depth	Blows per 6"	- Recovery (inches)	Headspace (ppm)	U.S.C.S.	MATERIALS: Color, size, range, MAIN COMPONE moisture content, structure, angularity, maximum grain (If Known)			Lab Sample ID	Lab Sample Depth
	C-2		NÀ	4.5		5 M	22.0-23.5 DARK GEM FINESANN, S MEDIUM DENSE, NO STANING/O 23.5-25.0 DARK GRM SILT, LITA SONT, NO ODON/16TAINIA (ML)			Mallhand A A	- 10540 PUC BOREH G WIS
5 6	(-3 ↓	177/	NA	1:5		mL	5017, NO 0901/137AINIAL (MC) E013 @ 25'				40 millionellionel (1973)
7 8 9			•								
10 11											
12 13 14	interest and the second se	-									-
15 <u> </u>	-										
17 18						-					
19 20							Dat	e Time D	epth to groundwater	while drilling	
NOT	ES:										
NOT	ES:										
NOT	ES:										

Well Decommissioning Records

Note: No well decommissioning record was located for MW-8.

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

	WELL DECOM	MISSIONING SUBMITTAL PDF		
PROPERTY OWNER:	METROPOLIS TOWER			
Organization:	METROPOLIS TOWERS	S		
Address:	280 GREGORY PARK F	PLAZA, Jersey City (Hudson), New Jersey 07302		
WELL LOCATION:	Metro Towers			
Well Location Description:	72' from Christopher Col	umbus Dr & 206' from Henderson St		
Address:	280 GREGORY PARK P			
County: <u>Hudson</u>				
Easting(X): 619434		Coordinate System: NJ State Plane (NAD83) - USFEET		
Method				
	-	Surveyor Name:		
GPS Model	:	Surveyor License #:		
Accuracy	: 10	Accuracy units: Feet		
WELL USE: Monitori	ina			
ou				
	ing: Project ended, no longer	rused		
Nas a New Well Drilled?	No	New Well Permit Number:		
WELL DECOMMISSIONIN	IG INFORMATION			
Permit Number:	2600031329			
.ocal ID:	MW-1	Drilling Company: ADVANCED DRILLING INC		
	A	235 Van Syckels Rd, Hampton		
Finished Well Depth (ft.):	17.6	Address: (Hunterdon), New Jersey 08827		
ormation Type:	Unconsolidated	Driller Name and Lic.: Scott Alberalla, 0001087		
Well Search Completed?	No			
	A			
Depth to Top	Depth to Diameter			
(ft.)	Bottom (ft.) (inches)	Wgt./Rating/Screen Slot #		

	(ft.)	Bottom (ft.)	(inches)	Material	(lbs/sch no.)
Borehole(s)		AV	All	N/A	N/A
Casing(s)	0	7.4	2	PVC	sch 40
Screen(s)	7.4	17.6	2	PVC	.010

MATERIALS USED

	Depth to Top	Depth to	Outer	Inner		Material	
	(ft.)	Bottom (ft.)	Diameter (in)	Diameter (in)	Bentonite (lbs.)	Neat Cement (Ibs.)	Water (gal.)
Grout	0	17.6	2	0	5	94	8
Gravel Pack		1					

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

WELL DECOMMIS	SIONING SUBMITTAL PDF	-	
METROPOLIS TOWERS			
METROPOLIS TOWERS			
280 GREGORY PARK PLA	ZA, Jersey City (Hudson), N	lew Jersey 07302	
Metro Towers			
320' from Christopher Colur	nbus Dr & 340' from Hender	son St	
280 GREGORY PARK PLAZ	ZA	3011 01	
Municipality: Jersey City	Lot: 1 B	llock: 13101	
	10 (dia) 10 (dia) - 5 (dia) - 6 (dia)		
GPS			
	Surveyor Name:		
	Surveyor License #:		
0		eet	
g		'E WELL	
		COMMISSIONED: 04/29/2016	
a: Project ended no longer us		04/29/2016	
No No	100 A.	lumbor	
INFORMATION	. ton then t entitely	vaniber.	
		V	
AD.	Yah 05 5240°7		
17.4		an Syckels Rd, Hampton	
Unconsolidated		erdon), New Jersey 08827	
No	and thanks and Eld., <u>BOOK 7</u>	Aberalia, 0001087	
A CONTRACT OF			
Depth to Diameter	A.V	Wgt./Rating/Screen Slot #	
	METROPOLIS TOWERS METROPOLIS TOWERS 280 GREGORY PARK PLAX Metro Towers 320' from Christopher Colum 280 GREGORY PARK PLAX Municipality: Jersey City Northing(Y): 686739 GPS 0 0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	METROPOLIS TOWERS 280 GREGORY PARK PLAZA, Jersey City (Hudson), N Metro Towers 320' from Christopher Columbus Dr & 340' from Hender 280 GREGORY PARK PLAZA Municipality: Jersey City Lot: 1 Northing(Y): 686739 Coordinate System: N SPS Point of Reference: W Surveyor Name: Surveyor Name: 0 Accuracy units: Frigger 0 Accuracy units: Frigger 0 Accuracy units: Frigger 0 New Well Permit N 0 New Well Permit N 2600031323 Drilling Company: ADVA 17.4 Address: (Hunter Jnconsolidated Driller Name and Lic.: Scott J	

	(11.)	Bottom (ft.)	(inches)	Material	(lbs/sch no.)
Borehole(s)		10 0	AR	N/A	
Casing(s)	0	7.4	2	PVC	N/A
Screen(s)	7.4	17.4	2		sch 40
		7	AV 13 110	PVC	.010

MATERIALS USED

	Depth to Top		Outer	Inner		Material	
	(ft.)	Bottom (ft.)	Diameter (in)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	17.4	2	0	5	94	o o
Gravel Pack		9				54	0

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

	WELL DECOMMI	SSIONING SUBMITTAL P	DE
PROPERTY OWNER:	METROPOLIS TOWERS		
Organization:	METROPOLIS TOWERS		
Address:	280 GREGORY PARK PL	AZA, Jersey City (Hudson).	New Jersey 07302
WELL LOCATION:	Metro Towers		
Well Location Description:	171' from Christopher Colu	mbus Dr & 119' from Hend	erson St
Address:	280 GREGORY PARK PLA		
County: <u>Hudson</u>	Municipality: Jersey City	Lot:	Block: <u>13101</u>
Easting(X): 619293			NJ State Plane (NAD83) - USFEET
Method: C	GPS	Point of Reference:	
GPS Manufacturer:_			Well
		10.00 March 10.00	4
	0		Feet
WELL USE: Monitoring	7		
Other 11 . 4 .			ATE WELL
257.88		Mary a	ECOMMISSIONED: 04/29/2016
Reason for Decommissioning	g: Project ended, no longer u	sed and a sed	
Was a New Well Drilled?	No	New Well Permi	t Number:
WELL DECOMMISSIONING	INFORMATION	A	A .
Permit Number:			
Local ID:	WW-5	Drilling Company: AD	ANCED DRILLING INC
Finished Well Depth (ft.): 1	14	235	Van Syckels Rd, Hampton
		The second	nterdon), New Jersey 08827
Well Court of the test		Driller Name and Lic .: Scot	t Alberalla, 0001087
Mon Gearch Completed? N	10	\cap	
Depth to Top	Depth to Diameter	AV	
(ft.)	Bottom (ft) (inches)	A	Wgt./Rating/Screen Slot #

	(ft.)	Bottom (ft.)	(inches)	Material	Wgt./Rating/Screen Slot # (lbs/sch no.)
Borehole(s)		12 V		N/A	N/A
Casing(s)	0	4	2	PVC	sch 40
Screen(s)	4	14	2	PVC	.010

MATERIALS USED

	Depth to Top	Depth to	Outer	Inner		Material	
	(ft.)	Bottom (ft.)	Diameter (in)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	14	2	0	2.5	47	vvater (gar.)
Gravel Pack		1			2.0	4/	4

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number **E201612502**

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: NA METROPOLIS TOWERS APT.CORP MGMT.										
Company/Org	ganization: M	letropolis Towe	ers Apt.Corp Mg	gmt.						
Address: 28	0 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302						
WELL LOC	ATION: Me	etropolis Tower	rs Apt. Corp MC	GMT						
Address: 280 Gregory Park Plaza / MW-8R Address confirmed by client T Hanley										
County: Hudson Municipality: Jersey City Lot: 1 Block: 13101										
			(Y): <u>686712</u> NAD83) - USFE	EET		E WELL SIONED: September	25, 2017			
WELL USE:	MONITOR	ING								
Other Use(s)	:				Local ID: MV	V-8R				
Reason for De	ecommissionir	ng: No longer	in use							
Finished Well	Depth (ft.):	16		V	Vas a New Well Dril	led? N				
Formation Ty	pe: <u>Unconso</u>	lidated		Ν	ew Well Permit Nun	nber:				
WELL DEC	OMMISSION	ING INFORM	MATION							
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material		0	g/Screen # Used s/ch no.)			
Borehole	10p (II.)	Dottolli (It.)	(menes)			(10)	s/cli ii0.)			
Casing	0	11	2		PVC		ch 40			
Screen	11	16	2		PVC		.010			
MATERIAL	S USED									
	Depth to	Depth to	Outer	Inner		Material				
Grout	Top (ft.)	Bottom (ft.)	Diameter (in.) 2	Diameter (in)	Bentonite (lbs.) 2	Neat Cement (lbs.) 42	Water (gal.)			
Sand/Gravel	0	10		0	Σ	42	5			
	AL INFORMA	ATION								
Obstructions:	N 7				Authorization Offic	ial:				
Obstruction T										
	ecomm. Metho									
ATTACHMENTS:										

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number **E201603654**

WELL DECOMMISSIONING REPORT

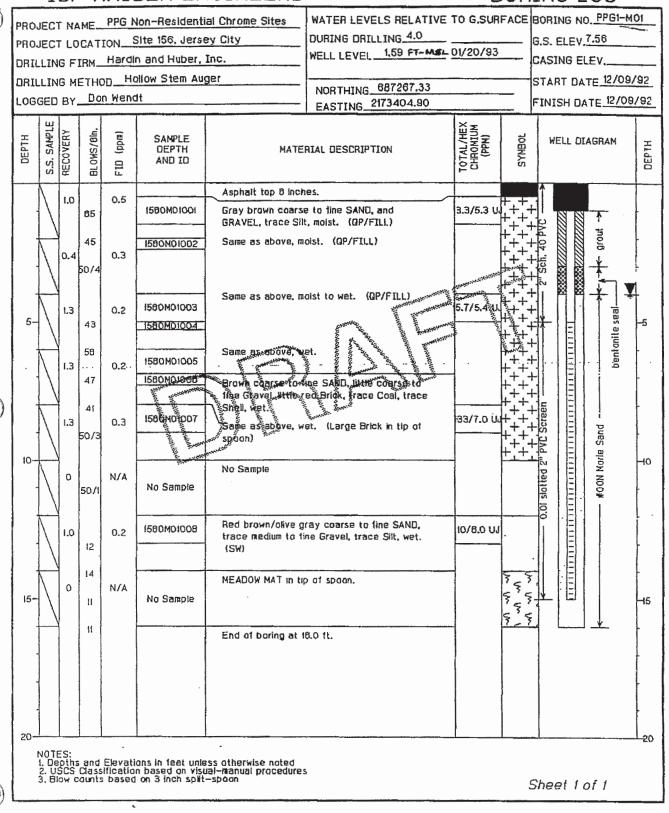
PROPERTY OWNER: METROPOLIS TOWERS APT.CORP MGMT METROPOLIS TOWERS APT. CORP MGMT										
Company/Organization: Metropolis Towers										
Address: 270 Gregory Park Plaza Jersey City, New Jersey 07302										
WELL LOC	ATION: Me	etropolis Tower	S							
Address: 270 Gregory Park Plaza										
County: Hudson Municipality: Jersey City Lot: 2 Block: 13101										
Easting (X):										
-	Easting (X): 619563 Northing (Y): 686784 DATE WELL Coordinate System: NJ State Plane (NAD83) - USFEET DECOMMISSIONED: September 21, 2016									
	MONITOR				DECOMMIS		21, 2010			
					Local ID: _M\	W-10				
		ng: No longer				-10				
						1 10				
		7				led? N				
Formation Ty	pe: Unconso	lidated		N	ew Well Permit Nur	nber:				
WELL DEC		ING INFORM								
	Depth to	Depth to	Diameter		Material		g/Screen # Used			
Borehole	Top (ft.)	Bottom (ft.)	(inches)			(lbs	s/ch no.)			
	0	2	1.5		PVC		sch40			
Casing Screen	2	7	1.5				.010			
		/	1.5		pvc		.010			
MATERIAL		Denthe	0.44	Turus		Mathe				
	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Bentonite (lbs.)	Material Neat Cement (lbs.)	Water (gal.)			
Grout	0	7	1.5	0	5	94	5			
Sand/Gravel				-	-	-	-			
ADDITION	AL INFORM	ATION								
Obstructions:	No				Authorization Offic	ial:				
	ecomm. Methe	od? No			Authorization D	ate:				
Method Used										
ATTACHME	ATTACHMENTS:									

Form As

Note: Form As were not located for the wells installed in 1992 (MW-1, MW-2, MW-3, MW-4, and MW-5).

The Form A for well MW-1 could not be located. ICF KAISER ENGINEERS

BORING LOG



CONFIDENTIAL - PPG(N.J.)

The Form A for well MW-2 could not be located.

BORING LOG

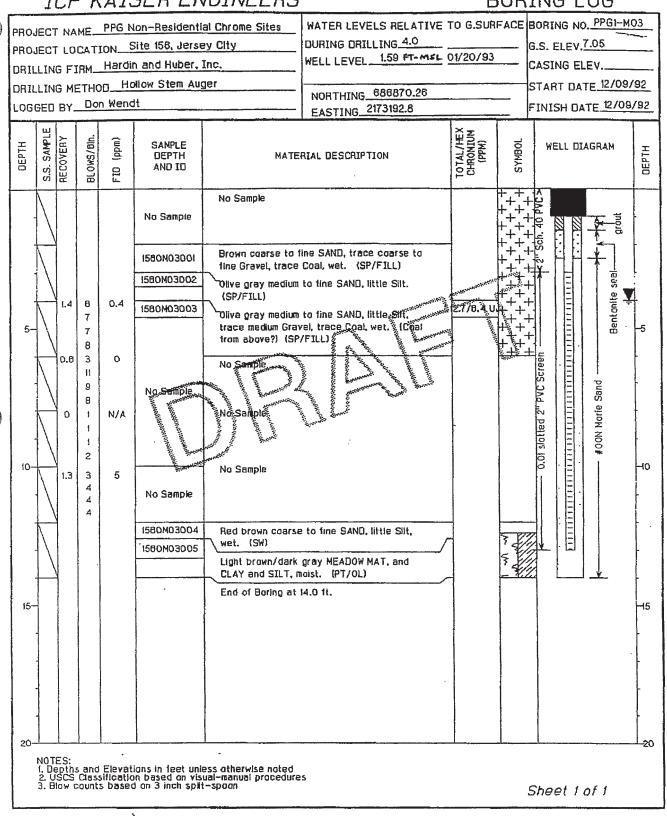
						GINEERS	WATER LEVELS RELATIVE T			ING LOG
PROJ DRTI		LOC/	ATIC	N <u>SIt</u> Iardin	e 156, Jersey and Huber, In	nc	DURING DRILLING 6.0 WELL LEVEL 2.80 FT-MSL		e c	B.S. ELEV. <u>9.47</u> CASING ELEV START DATE <u>12/08/92</u>
DRIL	LING	MET	HOE) <u>Holl</u> Wendt	ow Stem Aug	er	NORTHING_687020.84 EASTING_2173359.35			FINISH DATE 12/08/92
DEPTH	S.S. SAMPLE	RECOVERY	BLOWS/BIn.	FID (ppm)	SANPLE DEPTH AND ID	MATE	RIAL DESCRIPTION	TOTAL/HEX CHROMIUN (PPN)	H SYMBOL	WELL DIAGRAM
		0.4	3 8	0	1580M02001	Ornamental Stone Gray brown coars GRAVEL, moist.	se to line SAND, and	16.275.5 U	/ +	
		0.9	12 35 12 12	N/A	1580M02002 1580M02003	little coarse to fi Ore Residue?)	n to fine SAND, some Silt, ine Gravel, moist. (Chromite	10000000000000000000000000000000000000		
5-		1.2	9 7 13 15	0	1580, MD 2005	Red brown/blue	trace Chrome Nodules. green SILT, some coatse (6 Chrome Nodulas, trace) oist. (Chromite Ore Residue)	8310/1419	0 0 0 0 0	aentanite seal-
		0.В	5 7 12 15	0.4	1580M02008	Sameres aboxe. Gray brown/bro GBAVEL, WHE re	Wet. (Chronito Ore Residue) In caarse to The SAND, and d Blick, Wet: (FILL)	-	+++ +++	
10		1.5	51/5' 18 22 51/3'	1.0	1580,402,008	trace coarse to Nodules, Rtile re inches, wet. (C	, tracé coarse to fine Send, line Gravel, trace Chrome Id Brick, liftle Gravel, last 8 nromite Ore Residue)	4570/227		2and 111111111111111111111111111111111111
		0.5	33 51/4'	0.1	1580M02009*	red Brick, wet.	line SAND, some Wood, little (FILL) fium to fine SAND, trace Silt,	. 22/5.8		PVC Scree
		1.4	7 11 12 12	0.8	1580N02011	trace medium to	a tine Gravel, wet. um to fine SAND, trace Silt.			**
16	5-	1.7	7 11 12	0.2	1580M02012	Same as above				
		1.8	13 5 7 9	0.8	1580M02013			. 42/8.0		
2		1.5	13 1 2 2	0.8	1500M02014	Dark gray SIL Nat.	T and CLAY, trace Neadow			2
	NC L	11000	Cia-	eeitinati	tions in feet u on based on v id on 3 inch sp	nless otherwise note isual-manual proced lit-spoon	d ures			Sheet 1 of 1

CONFIDENTIAL - PPG(N.J.)

The Form A for well MW-3 could not be located.

ICF KAISER ENGINEERS

BORING LOG



CONFIDENTIAL - PPG(N.J.)

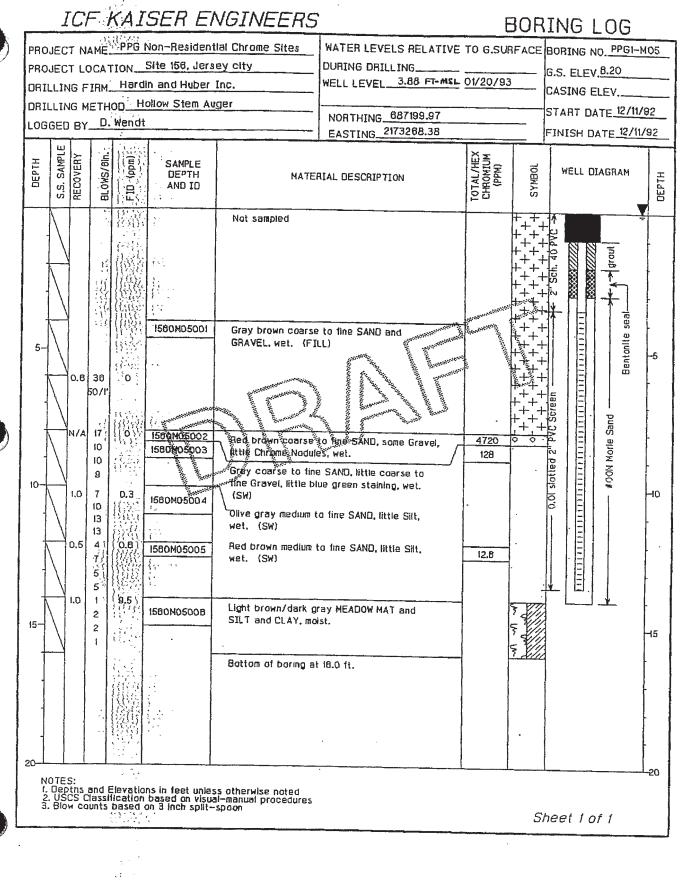
The Form A for well MW-4 could not be located.



BORING LOG

			ITTINO LUG	
PROJECT NAME PPG Non-Residential Chrome		E TO G.SURFAC	E BORING NO. PPGI-MC	04
PROJECT LOCATION Site 156, Jersey City		DURING DRILLING 5.9		
DRILLING FIRM Hardin and Huber, Inc.	WELL LEVEL 2.24 FT-M	WELL LEVEL 2.24 FT-MSL (01-20-93		
DRILLING METHOD Hollow Stem Auger	NORTHING_ 686873.23		START DATE 12/08/	92
LOGGED BY Don Wendt	EASTING_2173483.43		FINISH DATE 12/08	
	EASTING_Eno403.43	1	PINISH DATE 27007	
DEPTH DEPTH RECOVERY FID (PPm) BLOWS/Bin.	MATERIAL DESCRIPTION	TOTAL/HEX CHROMIUN (PPM)	WELL DIAGRAM	0€P1H
No Samp	e		++	
No Sample No Samp			++++++++++++++++++++++++++++++++++++++	-
5- 1.8 5 0.2 1580M04001 Brown co	area to time Catil Bills and a be well	st (15.		-5
4 1500M04001 tine Grav 5 1580M04002 moist	el, trace Coal, trace red Brick		Bentanite seal	
No Sample No Sample	· · · · · · · · · · · · · · · · · · ·		PVC Screen	
	n coarse to fine SAND, some coarse avel, trace Wood, wet. (SP/FILL)	8.5/7.100 +		-10
7 9 No Sample No Sample	rse to fine SAND, trace coarse to el, wet. (SP/FILL)		++++ + 0.01 slaft	
	r/red brown medium ta 1ine SAND, , wet. (SW)	11/8.0 UJ		
7 1580M04008 Light brot	vn/dark gray MEADOW NAT, and SILT, moist.	17/9.3 UJ F		-15
	uring at 18.0 ft.			
20				-20
NOTES: 1. Depths and Elevations in teet unless otherwise 2. USCS Classification based on visual-manual pr 3. Blow counts based on 3 Inch split-spagn	noted ocedures		Sheet 1 of 1	
Lan 11, 11994		·····]

The Form A for well MW-5 could not be located.



CONFIDENT! AL - PPG(N.J.)

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 156			
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Hend	erson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)			
	- umber(s): 104063		
SECTION B. WELL OWNER AND LOCATION			
1. Name of Well Owner PPG			
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd			
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1		
SECTION C. WELL LOCATION SPECIFICS			
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201604598		
2. Site Well Number as shown on application or plans):	MW-1R		
3. Well Completion Date:	4/21/2016		
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.57 feet		
5. Total Depth of Well to the nearest 1/2 foot:	15.5 feet		
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	9.93 feet		
7. Screen Length (or length of open hole) in feet:	5 feet		
8. Screen or Slot Size:	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'):	5.50		
13. Yield (gallons per minute):	2		
14. Development Techinque (specify):	pump and surge		
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0 hour 45 minutes		

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 156		
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)		
	- umber(s): 104063	
SECTION B. WELL OWNER AND LOCATION		
1. Name of Well Owner PPG		
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1	
SECTION C. WELL LOCATION SPECIFICS		
 Well Permit Number (This number must be permanently affixed to the well casing): 	E201604599	
2. Site Well Number as shown on application or plans):	MW-5R	
3. Well Completion Date:	4/22/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.75 feet	
5. Total Depth of Well to the nearest ¹ / ₂ foot:	15 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	2.35 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	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'):	4.70	
13. Yield (gallons per minute):	1.5	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	1 hour 0 minutes	

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 156		
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)		
	- umber(s): 104063	
SECTION B. WELL OWNER AND LOCATION		
1. Name of Well Owner PPG		
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1	
SECTION C. WELL LOCATION SPECIFICS		
 Well Permit Number (This number must be permanently affixed to the well casing): 	E201604281	
2. Site Well Number as shown on application or plans):	MW-6	
3. Well Completion Date:	4/14/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.98 feet	
5. Total Depth of Well to the nearest ½ foot:	14 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	8.02 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	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'):	4.94	
13. Yield (gallons per minute):	1.5	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	1 hour 0 minutes	

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 156		
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)		
	- umber(s): 104063	
SECTION B. WELL OWNER AND LOCATION		
1. Name of Well Owner PPG		
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1	
SECTION C. WELL LOCATION SPECIFICS		
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201604282	
2. Site Well Number as shown on application or plans):	MW-7	
3. Well Completion Date:	4/15/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.62 feet	
5. Total Depth of Well to the nearest 1/2 foot:	16 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	10.38 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	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'):	6.00	
13. Yield (gallons per minute):	2.9	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0 hour 50 minutes	

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 156		
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)		
Municipality:Jersey City(Township, BorouCounty:HudsonZip Code: 07302		
	- umber(s): 104063	
SECTION B. WELL OWNER AND LOCATION	\~ <i>I</i>	
1. Name of Well Owner PPG		
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # _1	
SECTION C. WELL LOCATION SPECIFICS		
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201604283	
2. Site Well Number as shown on application or plans):	MW-8	
3. Well Completion Date:	4/15/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.4 feet	
5. Total Depth of Well to the nearest 1/2 foot:	16.5 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	11.10 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	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'):	4.34	
13. Yield (gallons per minute):	1.5	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0 hour 50 minutes	

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 LOCATIONSite Name:Hudson County Chromate 156List all AKAs:HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 HenderStreet Address:270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street)	erson St.; 280 Gregory Park Plaza	
Municipality: Jersey City (Township, Borou County: Hudson Zip Code: 07302	2	
Program Interest (PI) Number(s): G000008770 Case Tracking Number(s): 104063 SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner PPG 2. Well Location (Street Address) 270 Luis Munoz Marin Blvd 270 Luis Munoz Marin Blvd 3. Well Location (Municipal Block and Lot) Block# 13101 Lot # 2		
SECTION C. WELL LOCATION SPECIFICS 1. Well Permit Number (This number must be permanently affixed to the well casing):	E201612502	
 Site Well Number as shown on application or plans): Well Completion Date: 	MW-8R 10/26/2016	
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): 5. Total Depth of Well to the nearest ½ foot: 	NOT SURVEYED 16.0 feet	
 Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'): Screen Length (or length of open hole) in feet: 	11.1 feet 5 feet	
8. Screen or Slot Size:	10 PVC	
 Screen or Slot Material: Casing Material (PVC, steel, or other – specify): 	PVC	
11. Casing Diameter (inches):12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	2 inches NOT GAUGED	
13. Yield (gallons per minute):14. Development Techinque (specify):		
15. Length of Time well is developed/pumped or bailed (hours and minutes):	NOT DEVELOPED	

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 156	lavaan St. 200 Gragory Dark Diaza	
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street)		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)	igh or City)	
County: Hudson Zip Code: 07302	• • • • •	
	umber(s): 104063	
SECTION B. WELL OWNER AND LOCATION		
1. Name of Well Owner PPG		
2. Well Location (Street Address) 280 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1	
SECTION C. WELL LOCATION SPECIFICS		
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201604284	
2. Site Well Number as shown on application or plans):	MW-9	
3. Well Completion Date:	4/21/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.53 feet	
5. Total Depth of Well to the nearest 1/2 foot:	15 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	9.47 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	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'):	5.40	
13. Yield (gallons per minute):	0.06	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0 hour 35 minutes	

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 156		
List all AKAs: HCC Site 156; Metropolis Towers; Gregory Park Apartments; 270 Henderson St.; 280 Gregory Park Plaza		
Street Address: 270-280 Luis Munoz Marin Blvd (aka 270-280 Henderson Street) Municipality: Jersey City (Township, Borou)		
Country Hudson Zin Code: 07302	• • • • •	
	- umber(s): 104063	
	<u> </u>	
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner PPG		
2. Well Location (Street Address) 270 Luis Munoz Marin Blvd		
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 2	
SECTION C. WELL LOCATION SPECIFICS		
 Well Permit Number (This number must be permanently affixed to the well casing): 	E201603654	
2. Site Well Number as shown on application or plans):	MW-10	
3. Well Completion Date:	4/8/2016	
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.18 feet	
5. Total Depth of Well to the nearest 1/2 foot:	7 feet	
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	1.82 feet	
7. Screen Length (or length of open hole) in feet:	5 feet	
8. Screen or Slot Size:	10	
9. Screen or Slot Material:	PVC	
10. Casing Material (PVC, steel, or other – specify):	PVC	
11. Casing Diameter (inches):	1.5	
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	4.00	
13. Yield (gallons per minute):	0.188	
14. Development Techinque (specify):	pump and surge	
15. Length of Time well is developed/pumped or bailed (hours and minutes):	1 hour 0 minutes	

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: Site 156	
List all AKAs: Former PPG Street Address: 280 Gregory Park Plaza	
Municipality: Jersey City (Township, Borou	ah or City)
County: Hudson Zip Code: 07302	c ,,
	umber(s): 104063
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Alki Antonopoulis / Metropolis Towers Apt. Corp. Mgmt. 2. Well Location (Street Address) 280 Gregory Park Plaza 3. Well Location (Municipal Block and Lot) Block# 13101	Lot # 1
SECTION C. WELL LOCATION SPECIFICS	
 Well Permit Number (This number must be permanently affixed to the well casing): 	E201712247
 Site Well Number as shown on application or plans):	156-MW8A
3. Well Completion Date:	11/3/2017
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.32 feet
5. Total Depth of Well to the nearest ½ foot:	13.0 feet
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	8.00 feet
7. Screen Length (or length of open hole) in feet:	5.0 feet
8. Screen or Slot Size:	0.010 (10 slot)
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'):	9.0
13. Yield (gallons per minute):	N/A
14. Development Techinque (specify):	Pump / Surge
15. Length of Time well is developed/pumped or bailed (hours and minutes):	3 hours

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: Site 156			
List all AKAs: Former PPG Street Address: 280 Gregory Park Plaza			
Municipality: Jersey City (Township, Borou	ugh or City)		
County: Hudson Zip Code: 07302	o		
	umber(s): 104063		
SECTION B. WELL OWNER AND LOCATION			
1. Name of Well Owner Alki Antonopoulis / Metropolis Towers Apt. Corp. Mgmt.			
2. Well Location (Street Address) 280 Gregory Park Plaza			
3. Well Location (Municipal Block and Lot) Block# 13101	Lot #		
SECTION C. WELL LOCATION SPECIFICS	E201712249		
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201712248		
2. Site Well Number as shown on application or plans):	156-MW8B		
3. Well Completion Date:	11/3/2017		
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.53 feet		
5. Total Depth of Well to the nearest 1/2 foot:	25.0 feet		
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	20.0 feet		
7. Screen Length (or length of open hole) in feet:	5 feet		
8. Screen or Slot Size:	0.010 (10-slot)		
9. Screen or Slot Material:	PVC		
10. Casing Material (PVC, steel, or other – specify):	Steel (outer), PVC (inner)		
11. Casing Diameter (inches):	8 (outer), 2 (inner)		
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	16.0		
13. Yield (gallons per minute):	N/A		
14. Development Techinque (specify):	Pump / Surge		
15. Length of Time well is developed/pumped or bailed (hours and minutes):	4 hours		

Form Bs

Note: Form Bs were not located for the wells installed in 1992 (MW-1, MW-2, MW-3, MW-4, and MW-5). A Form B was not prepared for well MW-8R because the well was not surveyed.

New Jersey Departm Site Remediation Pro Monitoring Well Cer	Date Stamp (For Department use only)				
SECTION A. SITE NAME AND LOCAT	ΓΙΟΝ				
Site Name: Metropolis Towers					
List all AKAs: Former PPG					
Street Address: 280 Marin Blvd.					
Municipality: Jersey City			(Township, Boro	ugh or City)	
County: Hudson			Zip Code: 0730)2	
Program Interest (PI) Number(s): G00	00008770		Case Tracking	g Number(s):	104063
SECTION B. WELL OWNER AND LOG 1. Name of Well Owner Metropolis T					
2. Well Location (Street Address) 2	280 Marin Blvd.				
3. Well Location (Municipal Block and	Lot) Bloc	k# <u>13101</u>		Lot # 1	
SECTION C. WELL LOCATION SPEC	IFICS				
 Well Permit Number (This number r Site Well Number (As shown on app Geographic Coordinate NAD 83 to r Latitude: North <u>40-43-06.58</u> New Jersey State Plane Coordinate North <u>686976</u> Elevation of Top of Inner Casing (ca Elevation Top of Outer casing: <u>6.30</u> 	nust be permanen plication or plans): nearest 1/100 of a es NAD 83 datum, ap off) at reference) VGD29 ① Or park, number/desc ve approximated a	<u>MW-1R</u> second: US survey mark (ne Elevation Site Datu ription and actual eleva	Longitude: West feet units, to neare East <u>619432</u> arest 0.01'): <u>5.74</u> on of ground: <u>6.31</u> m Other elevation/datum).	74-02-26.52 st foot: f an on-site (
SECTION D. LAND SURVEYOR'S CE I certify under penalty of law that I have perinformation submitted in this document and those individuals immediately responsible submitted information is true, accurate and penalties for submitting false information is Professional Land Surveyor's Signature Surveyor's Name: R. Thomas Hugg Firm Name: Maser Consulting P.A. Mailing Address 156 Stagecoach R City/Town: Marmora	ersonally examined ad all attachments a for obtaining the ir d complete. I am a including the possit	and that, ba formation, ware that t	sed on my inquiry of I believe the here are significant and imprisonment.	ense Numbe	Date <u>5/24/16</u> er: 24GS03673700 #: 24GA27986500
Phone Number 609-390-1927		Ext.:	4419	Fax: 609	-390-0040

New Jersey Depa Site Remediation F Monitoring Well C	ion				
					Date Stamp (For Department use only)
SECTION A. SITE NAME AND LOC	CATION				······································
Site Name: Metropolis Towers			·	• • • • • • • • • • • • • • • • • • •	
List all AKAs: Former PPG					
Street Address: 280 Marin Blvd.					
Municipality: Jersey City			(Township, Boro	ugh or City)	
County: Hudson			Zip Code: 0730)2	
Program Interest (PI) Number(s):	G000008770		Case Trackin	g Number(s):	104063
SECTION B. WELL OWNER AND I 1. Name of Well Owner Metropol		t.			
2. Well Location (Street Address)	280 Marin Blvd.				
3. Well Location (Municipal Block a	ind Lot) Bloc	ck# <u>13101</u>		Lot # 1	
SECTION C. WELL LOCATION SP	ECIFICS				
 Well Permit Number (This number) Site Well Number (As shown on Geographic Coordinate NAD 83 Latitude: North <u>40-43-05.98</u> 	application or plans)	: MW-5R			
4. New Jersey State Plane Coordin	ates NAD 83 datum	, US surve	y feet units, to neare	st foot:	
North <u>686914</u>			East 619294		
5. Elevation of Top of Inner Casing	(cap off) at reference	e mark (n	earest 0.01'): <u>6.18</u>		
Elevation Top of Outer casing: 6	5.92	Elevat	ion of ground: <u>6.93</u>		×
Check one: 🛛 NAVD 88 🗌] NVGD29 🛛 🗌 O	n Site Date	um 🗌 Other		
 Source of elevation datum (bencharactering) here, assume datum of 100', and 					atum is used, identify
GPS Control using Keynet	VRS solution NA	VD88			
7. Significant observations and not	es:				
			2		N SCHLORY
SECTION D. LAND SURVEYOR'S	CERTIFICATION			SEAL	
I certify under penalty of law that I have information submitted in this document those individuals immediately responsi submitted information is true, accurate penalties for submitting false information	t and all attachments ible for obtaining the i and complete. I am	and that, b nformation aware that	ased on my inquiry of , I believe the there are significant		
Professional Land Surveyor's Signat		hom	Hugg		_ Date 5/24/16_
Surveyor's Name: R. Thomas Hugg				ense Number	
Firm Name: Maser Consulting P.A.			_ Certificate of A	uthorization #	24GA27986500
Mailing Address 156 Stagecoact	h Road				
City/Town: Marmora		State	New Jersey	Zip (Code: <u>08223</u>
Phone Number 609-390-1927		Ext.:	4419	_ Fax: <u>609-</u>	390-0040

6	New Jersey Department of Env Site Remediation Program Monitoring Well Certification Fo				
	Monitoring Wen Certification PC		Date Stamp (For Department use only)		
SE	CTION A. SITE NAME AND LOCATION				<u>(, , , , , , , , , , , , , , , , , , , </u>
Site	e Name: Metropolis Towers				
List	t all AKAs: Former PPG			·	
Stre	eet Address: 280 Marin Blvd.				
Mu	nicipality: Jersey City		(Township, Bor		
Со	unty: Hudson		Zip Code: 073		
Pro	ogram Interest (PI) Number(s): G000008770		Case Tracki	ng Number(s):	104063
	CTION B. WELL OWNER AND LOCATION Name of Well Owner Metropolis Towers Apt. Mg	mt.			
2.	Well Location (Street Address) 280 Marin Blvd.				
3.	Well Location (Municipal Block and Lot) B	lock# 1310	1	Lot # 1	
SE	CTION C. WELL LOCATION SPECIFICS				
1. 2. 3.	Well Permit Number (This number must be perman Site Well Number (As shown on application or plan Geographic Coordinate NAD 83 to nearest 1/100 c	ns): <u>MW-6</u>	d to the well casing)	E20160428	[
	Latitude: North 40-43-04.25		Longitude: West	74-02-30.71	
4.	New Jersey State Plane Coordinates NAD 83 datu	ım, US surve	ey feet units, to near	est foot:	
	North 686739		East <u>619111</u>		
5.	Elevation of Top of Inner Casing (cap off) at refere	nce mark (r	nearest 0.01'): <u>4.54</u>	1000	
	Elevation Top of Outer casing: 5.52	Eleval	tion of ground: 5.52		
		On Site Dat			
6.	Source of elevation datum (benchmark, number/de here, assume datum of 100', and give approximate				latum is used, identify
	GPS Control using Keynet VRS solution I	NAVD88			
7.	Significant observations and notes:				
SE	CTION D. LAND SURVEYOR'S CERTIFICATION			SEAL	ny particular
info thos sub	ertify under penalty of law that I have personally exami ormation submitted in this document and all attachmen se individuals immediately responsible for obtaining th omitted information is true, accurate and complete. I a nalties for submitting false information including the po	ts and that, b e information m aware that	based on my inquiry o a, I believe the there are significant	3	
Pro	ofessional Land Surveyor's Signature:	thom	Knyg		Date 5/24/16
Sur	rveyor's Name: R. Thomas Hugg		L	icense Numbe	er: 24GS03673700
Firr	m Name: Maser Consulting P.A.	<u> </u>	_ Certificate of	Authorization	#: 24GA27986500
Mai	iling Address 156 Stagecoach Road				
City	y/Town: Marmora	State	New Jersey	· · ·	Code: 08223
Pho	one Number 609-390-1927	Ext.:	4419	Fax:609	-390-0040

New Jersey Department of Environmental Protection Site Remediation Program Monitoring Well Certification Form B - Location Certification	ation Date Stamp
	(For Department use only)
SECTION A. SITE NAME AND LOCATION	
Site Name: Metropolis Towers	58
List all AKAs: Former PPG	
Street Address: 280 Marin Blvd.	
Municipality: Jersey City (Township, Bo	rough or City)
County: Hudson Zip Code: 07	302
	ing Number(s): 104063
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Metropolis Towers Apt. Mgmt.	
2. Well Location (Street Address) 280 Marin Blvd.	55
3. Well Location (Municipal Block and Lot) Block# 13101	Lot # <u>1</u>
SECTION C. WELL LOCATION SPECIFICS	
 Well Permit Number (This number must be permanently affixed to the well casing Site Well Number (As shown on application or plans): <u>MW-7</u> Geographic Coordinate NAD 83 to nearest 1/100 of a second: Latitude: North 40-43-04.89 Longitude: West New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nea North 686805 East 619390 Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.29 Elevation Top of Outer casing: 7.89 Elevation of ground: 7.91 Check one: ⊠ NAVD 88 □ NVGD29 □ On Site Datum □ Other 	74-02-27.08 rest foot:
 Source of elevation datum (benchmark, number/description and elevation/datum) here, assume datum of 100', and give approximated actual elevation (referencing GPS Control using Keynet VRS solution NAVD88 	
7. Significant observations and notes:	
SECTION D. LAND SURVEYOR'S CERTIFICATION	SEAL
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 those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significan penalties for submitting false information including the possibility of fine and imprisonment	of t
Professional Land Surveyor's Signature:	Date 5/24/16
	License Number: 24GS03673700
Firm Name: Maser Consulting P.A. Certificate of	Authorization #: 24GA27986500
Mailing Address 156 Stagecoach Road	
City/Town: Marmora State New Jersey	Zip Code: 08223
Phone Number 609-390-1927 Ext.: 4419	Fax: 609-390-0040

6	New Jersey Department of Environmental Protection Site Remediation Program	
	Monitoring Well Certification Form B - Location Certification	Date Stamp (For Department use only)
SE	CTION A. SITE NAME AND LOCATION	
Site	e Name: Metropolis Towers	
List	all AKAs: Former PPG	
Stre	eet Address: 280 Marin Blvd.	
Mu	nicipality: Jersey City (Township, Borough or City)
Cou	unty: Hudson Zip Code: 07302	
Pro	gram Interest (PI) Number(s): G000008770 Case Tracking Number(s	s): <u>104063</u>
	CTION B. WELL OWNER AND LOCATION Name of Well Owner Metropolis Towers Apt. Mgmt.	
2.	Well Location (Street Address) 280 Marin Blvd.	· · · · · · · · · · · · · · · · · · ·
3.	Well Location (Municipal Block and Lot) Block# 13101 Lot #	1
SEC	CTION C. WELL LOCATION SPECIFICS	
2.	Well Permit Number (This number must be permanently affixed to the well casing): E2016042 Site Well Number (As shown on application or plans): MW-8 Geographic Coordinate NAD 83 to nearest 1/100 of a second: E1400.000	
	Latitude: North <u>40-43-03.93</u> Longitude: West <u>74-02-28.29</u>	0
4.	New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot: North 686707 East 619300	
5.	Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 5.59	
0.	Elevation Top of Outer casing: 5.99 Elevation of ground: 5.99	
	Check one: 🛛 NAVD 88 🗍 NVGD29 🗍 On Site Datum 🗍 Other	· · · · · · · · · · · · · · · · · · ·
6.	Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).	e datum is used, identify
	GPS Control using Keynet VRS solution NAVD88	
7.	Significant observations and notes:	
		$\sum_{i=1}^{n-1} S_i ^2 = \sum_{i=1}^{n-1} S_i ^2 = \sum_{i$
SEC	CTION D. LAND SURVEYOR'S CERTIFICATION SEAL	
info thos sub	rtify under penalty of law that I have personally examined and am familiar with the rmation submitted in this document and all attachments and that, based on my inquiry of se individuals immediately responsible for obtaining the information, I believe the mitted information is true, accurate and complete. I am aware that there are significant alties for submitting false information including the possibility of fine and imprisonment.	
Pro	fessional Land Surveyor's Signature: K. Manne King	Date 5/24/16
Sur	veyor's Name: R. Thomas Hugg License Num	ber: 24GS03673700
Firn	n Name: Maser Consulting P.A. Certificate of Authorizatio	n #: 24GA27986500
Mai	iling Address 156 Stagecoach Road	
City	//Town: Marmora State New Jersey Z	ip Code: 08223
Pho	one Number 609-390-1927 Ext.: 4419 Fax: 60	9-390-0040

E	New Jersey Department of Environmental F Site Remediation Program						
	Monitoring Well Certification Form B - Loca	Date Stamp (For Department use only)					
SECTI	ION A. SITE NAME AND LOCATION						
Site Na	ame: Metropolis Towers						
List all	AKAs: Former PPG	<u></u> ,					
Street	Address: 280 Marin Blvd.						
Munici	ipality: Jersey City	(Township, Borough or City)					
County		Zip Code: 07302					
Progra	am Interest (PI) Number(s): G000008770	Case Tracking Number(s): 104063				
	ION B. WELL OWNER AND LOCATION ame of Well Owner Metropolis Towers Apt. Mgmt.						
2. W	ell Location (Street Address) 280 Marin Blvd.						
3. We	ell Location (Municipal Block and Lot) Block# 13101	Lot # <u>1</u>					
SECTI	ION C. WELL LOCATION SPECIFICS						
2. Sit 3. Ge	ell Permit Number (This number must be permanently affixed to te Well Number (As shown on application or plans): <u>MW-9</u> eographic Coordinate NAD 83 to nearest 1/100 of a second:	the well casing): <u>E20160428</u> ongitude: West <u>74-02-29.64</u>					
	ew Jersey State Plane Coordinates NAD 83 datum, US survey for orth 686977 E	ast 619192					
	evation of Top of Inner Casing (cap off) at reference mark (nea		<u> </u>				
1		of ground: <u>6.71</u>	·····				
1	neck one: 🛛 NAVD 88 🗌 NVGD29 🗌 On Site Datum						
he	burce of elevation datum (benchmark, number/description and e are, assume datum of 100', and give approximated actual elevation	levation/datum). If an on-site on (referencing NAVD 88).	datum is used, identify				
G	PS Control using Keynet VRS solution NAVD88						
7. Si	gnificant observations and notes:						
SECTI	ION D. LAND SURVEYOR'S CERTIFICATION	SEAL	S. Miga				
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.							
Profes	sional Land Surveyor's Signature:	Ating	Date 5/24/16				
· ·	yor's Name: R. Thomas Hugg	License Numb	-				
Firm N	Iame: Maser Consulting P.A.	Certificate of Authorization	#: 24GA27986500				
Mailing	g Address 156 Stagecoach Road						
City/To			p Code: 08223				
Phone	e Number 609-390-1927 Ext.: <u>4</u>	419 Fax: 60	9-390-0040				

6	New Jersey Department of Envir Site Remediation Program Monitoring Well Certification For						
	Y				Date Stamp (For Department use only)		
SEC	CTION A. SITE NAME AND LOCATION						
Site	e Name: Metropolis Towers						
List	t all AKAs: Former PPG				· · · · · · · · · · · · · · · · · · ·		
Stre	eet Address: 280 Marin Blvd.						
Mu	nicipality: Jersey City		(Township, Boroug				
Cou	unty: Hudson		Zip Code: 07302				
Pro	gram Interest (PI) Number(s): G000008770		Case Tracking	Number(s)	104063		
	CTION B. WELL OWNER AND LOCATION Name of Well Owner Metropolis Towers Apt. Mgm	ıt.					
2.	Well Location (Street Address) 280 Marin Blvd.						
3.	Well Location (Municipal Block and Lot) Blo	ck# <u>1310</u>	1	Lot # 1			
SE	CTION C. WELL LOCATION SPECIFICS						
2.	Well Permit Number (This number must be permane Site Well Number (As shown on application or plans Geographic Coordinate NAD 83 to nearest 1/100 of): <u>MW-10</u>)		4		
	Latitude: North 40-43-04.64		Longitude: West 74				
4.	New Jersey State Plane Coordinates NAD 83 datum	n, US surve		t foot:			
	North <u>686780</u>		East 619564				
5.	Elevation of Top of Inner Casing (cap off) at reference						
	Elevation Top of Outer casing: 5.63		tion of ground: 5.65				
		On Site Dat		an on site (datum is used identify		
6.	Source of elevation datum (benchmark, number/des here, assume datum of 100', and give approximated	actual ele	vation (referencing NA	VD 88).	uatum is used, identity		
	GPS Control using Keynet VRS solution N	avd88					
7.	Significant observations and notes:						
					10 ³¹⁻¹ 27		
SE	CTION D. LAND SURVEYOR'S CERTIFICATION			SEAL			
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.							
1	ofessional Land Surveyor's Signature: K M	some l	1 dang		Date 5/24/16		
1	rveyor's Name: R. Thomas Hugg			ense Numbe			
Firr	m Name: Maser Consulting P.A.	·	_ Certificate of Au	Ithorization	#: 24GA27986500		
	iling Address 156 Stagecoach Road						
'	y/Town: <u>Marmora</u>	_ State	New Jersey		Code: 08223		
Pho	one Number 609-390-1927	_ Ext.:	4419	Fax: 609	-390-0040		

New Jersey Department Site Remediation Program Monitoring Well Certific		Date Stamp (For Department use only)					
SECTION A. SITE NAME AND LOCATION							
Site Name: Site 156							
List all AKAs: Former PPG			A				
Street Address: 280 Gregory Park Plaza	in put in a						
Municipality: Jersey City		(Township, Borou					
County: Hudson	0770	Zip Code: 0730		104062			
Program Interest (PI) Number(s): G00000	8770	Case Tracking	Number(s):	104063			
SECTION B. WELL OWNER AND LOCAT 1. Name of Well Owner Alki Antonopoulis		Apt. Corp. Mgmt.					
	Gregory Park Plaza						
3. Well Location (Municipal Block and Lot)	Block# 1310	1	Lot # 1				
SECTION C. WELL LOCATION SPECIFICS 1. Well Permit Number (This number must be permanently affixed to the well casing): E201712247 2. Site Well Number (As shown on application or plans): 156-MW8A 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second: Latitude: North 40-43-03.96 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot: North 686710 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 5.53 Elevation Top of Outer casing: 5.82 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).							
7. Significant observations and notes:				53 ³³³ 3033			
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 time and imprisonment.							
Professional Land Surveyor's Signature:	K Show)	theya		Date 12/27/17			
Surveyor's Name: R. Thomas Hugg		Lic	ense Numbe	r: 24GS03673700			
Firm Name: Maser Consulting P.A.		Certificate of A	uthorization #	#: 24GA27986500			
Mailing Address 500 Scarborough Drive	e, Suite 108						
City/Town: Egg Harbor Twp.	State	New Jersey	Zip	Code: 08234			
Phone Number 609-390-1927	Ext.:	4419	Fax: 609-	390-0040			

	New Jersey Department of Environment Site Remediation Program Monitoring Well Certification F	Date Stamp (For Department use only)			
SE	CTION A. SITE NAME AND LOCATION				
Site	e Name: Site 156				
List	t all AKAs: Former PPG				·
Stre	eet Address: 280 Gregory Park Plaza				
Mu	nicipality: Jersey City		(Township, Bo	• • •	
	unty: Hudson		Zip Code: 07	/302	
Pro	gram Interest (PI) Number(s): G000008770		Case Track	king Number(s)): 104063
1.	CTION B. WELL OWNER AND LOCATIONName of Well OwnerAlki Antonopoulis / MetropWell Location (Street Address)280 Gregory P	ark Plaza			·
3.	Well Location (Municipal Block and Lot)	Block# 13101		Lot #_1	
SE 1. 2. 3. 4. 5. 6. 7.	CTION C. WELL LOCATION SPECIFICS Well Permit Number (This number must be perma Site Well Number (As shown on application or pla Geographic Coordinate NAD 83 to nearest 1/100 Latitude: North 40-43-03.91 New Jersey State Plane Coordinates NAD 83 dat North 686705 Elevation of Top of Inner Casing (cap off) at refer Elevation Top of Outer casing: 5.63 Check one: NAVD 88 NVGD29 Source of elevation datum (benchmark, number/o here, assume datum of 100', and give approxima GPS Control using Keynet VRS solution Significant observations and notes:	ans): <u>156-MV</u> of a second: tum, US surve ence mark (n Elevat] On Site Date description and ted actual elev	V8B Longitude: West y feet units, to nea East <u>619298</u> earest 0.01'): <u>5.12</u> ion of ground: <u>5.6</u> um Other d elevation/datum)	2 2 5 2 5 2 5 5 2 5 5 5 5 5 5 5 5 5 5 5	
l ce info tho sub per Pro Su Fin Ma Cit	CTION D. LAND SURVEYOR'S CERTIFICATION ertify under penalty of law that I have personally examples and submitted in this document and all attachments are individuals immediately responsible for obtaining to mitted information is true, accurate and complete. I halties for submitting false information including the professional Land Surveyor's Signature: rveyor's Name: R. Thomas Hugg m Name: Maser Consulting P.A. miling Address 500 Scarborough Drive, Suite 1 y/Town: Egg Harbor Twp. one Number 609-390-1927	nined and am f ents and that, b the information am aware that ossibility of fine	ased on my inquiry , I believe the there are significar e and imprisonmen	nt t. License Numb f Authorization Zi	Date 12/27/17 Der: 24GS03673700 1#: 24GA27986500 p Code: 08234 9-390-0040

Well Records

Note: Well Records were not located for the wells installed in 1992 (MW-1, MW-2, MW-3, MW-4, and MW-5). Well record information from New Jersey Department of Environmental Protection's DataMiner is provided for these wells.

Download PDF	Permit Number	Well Name	Well Use	Document	Date (Permitted/ Drilled/ Sealed)	Physical Address	County	Municipality	Block	Lot	Location Method	Easting (X)	Northing (Y)	Depth	Capacity (gal/min)
	2600031329	MW-1	Monitoring	Record	12/7/1992	280 MARIN BLVD	Hudson	Jersey City	170	4	Prop Loc - Dig Image	619026	686345	17.4	0
	2600031323	MW-2	Monitoring	Record	12/7/1992	280 MARIN BLVD	Hudson	Jersey City	170	1	Prop Loc - Dig Image	619026	686345	18	0
	2600031325	MW-3	Monitoring	Record	12/9/1992	280 MARIN BLVD	Hudson	Jersey City	170	1	Prop Loc - Dig Image	619026	686345	13	0
	2600031324	MW-4	Monitoring	Record	12/8/1992	280 MARIN BLVD	Hudson	Jersey City	170	1	Prop Loc - Dig Image	619026	686345	15	0
	2600031839	MW5	Monitoring	Record	12/9/1992	280 HENDERSON STREET	Hudson	Jersey City	170	1	Prop Loc - Hard Copy	618496	689682	13	

MONITORING WELL RECORD

PROPERTY OWNER: METROPOLIS TOWERS APT MGMT METROPOLIS TOWERS APT MGMT															
Company/Organization: Metropolis Towers Apt Mgmt															
Address: 28	0 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302											
WELL LOC	ATION: Frr	nr PPG													
Address: 28	80 Marin Blvd	Address ok, pl	ease process as i	is											
County: Hu	dson	_ Municipality	y: Jersey City		Lot: 1	Block: 13	101								
Easting (X): 619432 Northing (Y): 686976 DATE WELL STARTED: April 21, 2016															
Coordir	nate System: N	IJ State Plane (NAD83) - USFI	EET DA	ATE WELL COM	PLETED: April 21, 20	016								
WELL USE:	MONITOR	ING													
Other Use(s)	:				Local ID: M	W-1R									
WELL CON	STRUCTION	J													
	Drilled (ft.):	15.5	Finished We	ll Depth (ft.):	15.5	Well Surface: Flush	n Mount								
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material	5	/Screen # Used /ch no.)								
Borehole	0	15.5	6												
Casing	0	10.5	2	PVC		S	ch 40								
Screen	10.5	15.5	2		PVC		.010								
	Depth to	Depth to	Outer	Inner		Material									
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)								
Grout	0	6.5	6	2	10	188	16								
Gravel Pack	<u>6.5</u> 7.5	7.5	6 6	2 2		00 sand									
Gravel Pack						01 sand									
-		e method (Trer	nie Pipe)	Dri	lling Method: Dire	ct Push Probe									
ADDITIONA Protective Ca	AL INFORMA sing: <u>Yes</u>	<u>ATION</u>		Pur	np Capacity: _ gpm										
		elow land surfa	ce		al Design Head: _ ft	•									
	Measure Tool: ment Period:				lling Fluid:	22									
1	evelopment: <u>pu</u>				ll Rig: <u>Geoprobe 78</u> alth and Safety Plan										
Pump Type:	velopment. <u>pe</u>	<u>mp</u>		1100	and Safety I fair	5401111100: <u>110</u>									
ATTACHM	ENTS:														
GEOLOGIC	LOG														
	0 - 10: grey GM - Silty gravels, gravel-sand-silt mixtures														
10 - 15.5: gre	y-black SM - S	Silty sands, san	d-silt mixtures s	ome peat											
ADDITIONA	AL INFORMA	ATION:													

MONITORING WELL RECORD

PROPERTY	OWNER: N	METROPOLIS	TOWERS APT	MGMT MET	ROPOLIS TOWER	S APT MGMT		
Company/Organization: Metropolis Towers Apt Mgmt								
Address: 28	30 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302				
WELL LOC	ATION: Frr	nr PPG						
Address: 28	80 Marin Blvd	Address ok ple	ease process as is	S				
County: Hu	dson	_ Municipality	y: Jersey City		Lot: 1	Block: 13	101	
Easting (X):	619294	Northing	(Y): <u>686914</u>		DATE WELL ST	CARTED: April 21, 20	016	
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: April 22, 2016								
WELL USE:	MONITOR	ING						
Other Use(s)	:				Local ID: M	W-5R		
WELL CON	STRUCTION	1						
		15	Finished We	ll Depth (ft.):	15	Well Surface: Flus	h Mount	
Depth to Top (ft.)Depth to Bottom (ft.)Diameter (inches)MaterialWgt/Rating/Screen # Used (lbs/ch no.)								
Borehole	0	15	6			``````````````````````````````````````	,	
Casing	0	10	2		PVC	S	ich 40	
Screen	10	15	2		PVC		.010	
	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Dentenite (lles)	Material	Weter (rel)	
Grout	0	7	6	2	Bentonite (lbs.) 10	Neat Cement (lbs.) 188	Water (gal.) 16	
Gravel Pack	7	8	6	2	10	00 sand	10	
Gravel Pack	8	15	6	2		01 sand		
Grouting Met	hod: Pressur	e method (Trer	nie Pipe)	Dri	lling Method: Dire	ct Push Probe		
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _ gpmStatic Water Level: 6 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: tapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7822Method of Development: pumpHealth and Safety Plan Submitted? NoPump Type:Pump Type:								
ATTACHM	ATTACHMENTS:							
GEOLOGIC								
	U	e	nd gravel-sand n		r no fines			
10 - 15: grey-	black GM - Si	lty gravels, gra	vel-sand-silt mix	xtures				
ADDITIONA	AL INFORMA	ATION:						

Well Permit Number **E201604281**

MONITORING WELL RECORD

PROPERTY	OWNER: N	METROPOLIS	TOWERS APT	CORP MGMT	METROPOLIS TO	OWERS APT CORP M	IGMT			
Company/Org	ganization: <u>M</u>	letropolis Towe	ers Apt Corp Mg	gmt						
Address: 28	30 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302						
WELL LOC	ATION: Fr	nr PPG								
Address: 28	80 Marin Blvd									
County: Hu	dson	Municipality	y: Jersey City		Lot: 1	Block: 13	3101			
Easting (X):	619111	Northing	(Y): <u>686739</u>		DATE WELL ST	CARTED: April 14, 2	016			
Coordir	nate System: N	IJ State Plane (NAD83) - USFI	EET DA	ATE WELL COM	PLETED: April 14, 2	016			
WELL USE:	MONITOR	ING								
Other Use(s): Local ID: _MW-6										
WELL CONSTRUCTION										
Total Depth Drilled (ft.): 14 Finished Well Depth (ft.): 14 Well Surface: Flush Mount										
	Depth to Top (ft.)Depth to Bottom (ft.)Diameter (inches)MaterialWgt/Rating/Screen # Used (lbs/ch no.)									
Borehole	0 14 6									
Casing	0	9	2		PVC	5	sch 40			
Screen	9	14	2		PVC		.010			
	Depth to	Depth to	Outer	Inner		Material				
	Top (ft.)	Bottom (ft.)	Diameter (in.)	· · /	· · /	Neat Cement (lbs.)	Water (gal.)			
Grout Gravel Pack	0 7	7 8	6 6	2 2	10	188 00 sand	16			
Gravel Pack	8	14	6	2		00 sand 01 sand				
I	-		-		lling Method: Dire					
Grouting Method:Pressure method (Tremie Pipe)Drilling Method:Direct Push ProbeADDITIONAL INFORMATIONPump Capacity:gpmProtective Casing:YesPump Capacity:gpmStatic Water Level:10 ft. below land surfaceTotal Design Head:ft.Water Level Measure Tool:tapeDrilling Fluid:Well Development Period:.5 hrs.Drill Rig:Geoprobe 7822Method of Development:pumpHealth and Safety Plan Submitted?NoPump Type:Health and Safety Plan Submitted?No										
ATTACHM										
GEOLOGIC		14								
	T - Other asph		l gravel-sand mi	vturas littla ar r	no finos					
U .	U	0	gravel-sand mi							
12 - 14. gity	Sw - wen-gra	acu sanus anu	graverry sailus,	incle of no filles						

ADDITIONAL INFORMATION:

Craig Jablonski, Driller of Record: JOURNEYMAN LICENSE # 0001320

Company: ADVANCED DRILLING INC

Well Permit Number **E201604282**

MONITORING WELL RECORD

PROPERTY	OWNER: N	METROPOLIS	TOWERS APT	CORP MGMT	METROPOLIS TO	OWERS APT CORP M	IGMT			
Company/Organization: Metropolis Towers Apt Corp Mgmt										
Address: 28	0 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302						
WELL LOC	ATION: Frr	nr PPG								
Address: 28	80 Marin Blvd									
County: Hu	dson	Municipality	y: Jersey City		Lot: 1	Block: 13	101			
	Easting (X): 619390 Northing (Y): 686805 DATE WELL STARTED: April 15, 2016									
Coordin	nate System: N	IJ State Plane (NAD83) - USFE	EET DA	ATE WELL COMI	PLETED: April 15, 2	016			
WELL USE:	MONITOR	ING								
Other Use(s)	:				Local ID: <u>MV</u>	N-7				
WELL CON	STRUCTION	J								
Total Depth Drilled (ft.): 16 Finished Well Depth (ft.): 16 Well Surface: Flush Mount										
	Depth to Top (ft.)Depth to Bottom (ft.)Diameter (inches)MaterialWgt/Rating/Screen # Used (lbs/ch no.)									
Borehole	0	0 16 8								
Casing	0	11	2		PVC	5	sch 40			
Screen	11	16	2		PVC		.010			
	Depth to	Depth to	Outer	Inner		Material				
	Top (ft.)	Bottom (ft.)	Diameter (in.)		. ,	Neat Cement (lbs.)	Water (gal.)			
Grout	0	9	8	2	10	188	16			
Gravel Pack	<u>9</u> 10	10	8	2 2		00 sand				
Gravel Pack	-	16	÷	_		01 sand				
Grouting Met	hod: Pressur	e method (Tren	nie Pipe)	Dri	lling Method: Holl	ow Stem Augers				
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _gpmStatic Water Level: 10 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: tapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7822Method of Development: pumpHealth and Safety Plan Submitted? NoPump Type:Pump Type:										
ATTACHM										
GEOLOGIC										
	T - Other asph				C'					
		-	and gravel-sand							
10 - 16: red-b	rown GW - W	ell-graded grav	vels and gravel-s	and mixtures, li	ttle or no fines brick	as, some peat				

ADDITIONAL INFORMATION:

Craig Jablonski, Driller of Record: JOURNEYMAN LICENSE # 0001320

Company: ADVANCED DRILLING INC

Well Permit Number **E201604283**

MONITORING WELL RECORD

PROPERTY	OWNER:	METROPOLIS	TOWERS APT	CORP MGMT	METROPOLIS TO	OWERS APT CORP M	GMT		
Company/Organization: Metropolis Towers Apt Corp Mgmt									
Address: 28	0 Gregory Par	k Plaza Jersey	City, New Jerse	ey 07302					
WELL LOC	ATION: Frr	nr PPG							
Address: 28	80 Marin Blvd								
County: Hu	dson	Municipality	y: Jersey City		Lot: 1	Block: 13	101		
Easting (X):	619300	Northing	(Y): <u>686707</u>		DATE WELL ST	CARTED: April 15, 20	016		
Coordin	nate System: N	IJ State Plane (NAD83) - USFI	EET DA	ATE WELL COM	PLETED: April 15, 20	016		
WELL USE:	MONITOR	ING							
Other Use(s)	:				Local ID: M	W-8			
WELL CON	STRUCTION	1							
Total Depth	Drilled (ft.):	16.5	Finished We	ll Depth (ft.):	16.5	Well Surface: Flush	n Mount		
Depth to Diameter Material Wgt/Rating/Screen # Used									
Top (ft.) Bottom (ft.) (inches)									
Borehole	0 16.5 8								
Casing	0	11.5	2		PVC	S	ch 40		
Screen	11.5	16.5	2		PVC		.010		
[Depth to	Depth to	Outer	Inner		Material			
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)		
Grout	0	8	8	2	10	188	16		
Gravel Pack	8	9	6	2		00 sand			
Gravel Pack	9	16.5	6	2		01 sand			
Grouting Met	hod: Pressur	e method (Trei	nie Pipe)	Dri	lling Method: Holl	ow Stem Augers			
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _ gpmStatic Water Level: 10 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: tapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7822Method of Development: pumpHealth and Safety Plan Submitted? NoPump Type:Pump Type:									
ATTACHM	ENTS:								
GEOLOGIC	LOG								
	T - Other asph								
1 - 10: grey GW - Well-graded gravels and gravel-sand mixtures, little or no fines									
10 - 16.5: red	-brown SM - S	Silty sands, san	d-silt mixtures b	oricks, some pea	t				

ADDITIONAL INFORMATION:

Craig Jablonski, Driller of Record: JOURNEYMAN LICENSE # 0001320

Company: ADVANCED DRILLING INC

Well Permit Number **E201712247**

MONITORING WELL RECORD

PROPERTY	OWNER: A	ALKI ANTON	OPOULIS		PROPERTY OWNER: ALKI ANTONOPOULIS							
Company/Organization: Metropolis Towers Apt. Corp. Mgmt.												
Address: 28	Address: 280 Gregory Park Plaza Jersey City, New Jersey 07302											
WELL LOC	ATION: Site	e 156										
Address: 28	30 Gregory Par	k Plaza /156- N	AW8A confirme	ed by client /	/ 618	37						
County: Hu	dson	Municipality	y: Jersey City			Lot: 1		Block: 13	101			
			(Y): <u>686710</u>			DATE WELL ST	'AR'	TED: November 3	3, 2017			
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: November 3, 2017												
WELL USE:	MONITOR	ING										
Other Use(s)	•					Local ID: 156	5-MV	W8A				
WELL CON	STRUCTION	I										
		13	Finished We	ll Depth (ft.)):	13	Well	Surface: Flus	h Mount			
Depth to Depth to Diameter Material Wgt/Rating/Screen # Used Top (ft.) Bottom (ft.) (inches) (ibs/ch no.)												
Borehole	0	13	8					(103	s/cli ii0.)			
Casing	0	8	2			PVC		S	ch 40			
Screen	8	13	2			PVC			.010			
	Depth to	Depth to	Outer	Inner				Material				
~	Top (ft.)	Bottom (ft.)	Diameter (in.)	,	(in)	Bentonite (lbs.)	Ne	at Cement (lbs.)	Water (gal.)			
Grout Gravel Pack	0 6	6 13	8	$\frac{2}{2}$		10		172 #1 Filpro	15			
	-	e method (Trer	Ũ		Dril	lling Method: Holl	ow S	*				
			life I ipe)		DIII	ining Method. <u>11011</u>	.0w .	Stelli Augers				
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _gpmStatic Water Level: 9 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: m scopeDrilling Fluid:Well Development Period: 3 hrs.Drill Rig: CME-75Method of Development: Pump / SurgeHealth and Safety Plan Submitted? YesPump Type:Yes												
ATTACHM	ENTS:											
GEOLOGIC												
	ish OT - Other		rania ciltu alar	a of low play	atici	4.7						
			rganic silty clay	's of low plas	suc1	ıy						
ADDITIONA	AL INFORMA	ATION:										

Nicholas A Fallucca, Driller of Record: MASTER LICENSE # 749523

Company: SGS NORTH AMERICA INC.

Well Permit Number E201712248

MONITORING WELL RECORD

PROPERTY	OWNER:	ALKI ANTON	IOPOULIS							
Company/Org	Company/Organization: Metropolis Towers Apt. Corp. Mgmt.									
Address: 28	Address: 280 Gregory Park Plaza Jersey City, New Jersey 07302									
WELL LOC	WELL LOCATION: Site 156									
Address: 280 Gregory Park Plaza /156- MW8B confirmed by client / 6187										
County: Hu	County: Hudson Municipality: Jersey City Lot: 1 Block: 13101									
Easting (X): 619298 Northing (Y): 686705 DATE WELL STARTED: November 2, 2017										
Coordin	nate System: N	J State Plane (NAD83) - USFI	EET D	ATE WELL COMI	PLETED: November	3, 2017			
WELL USE:	MONITOR	ING								
Other Use(s)	:				Local ID: 156	5-MW8B				
WELL CON	STRUCTION	1								
Total Depth	Drilled (ft.):	25	Finished We	ll Depth (ft.):	25	Well Surface: Flus	h Mount			
Depth toDepth toDiameterMaterialWgt/Rating/Screen # UsedTop (ft.)Bottom (ft.)(inches)(lbs/ch no.)										
Borehole	0	15	12							
Borehole	15	25	7							
Casing	0	20	2		PVC	s	sch 40			
Casing	0	15	8		Steel	sch 40	0 .322 wall			
Screen	20	25	2		PVC		.010			
	Depth to	Depth to	Outer	Inner		Material				
	Top (ft.)	Bottom (ft.)		Diameter (in)	. ,	Neat Cement (lbs.)	Water (gal.)			
Grout	0	18	7	2	21	388	33			
Grout	0	15	12	8	32	575	49			
Gravel Pack	18	25	7	2		#1 Filpro				
Grouting Met	hod: Pressur	e method (Trer	nie Pipe)	Dri	lling Method: Holl	ow Stem Augers				
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _ gpmStatic Water Level: 16 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: m scopeDrilling Fluid:Well Development Period: 4 hrs.Drill Rig: CME-75Method of Development: Pump / SurgeHealth and Safety Plan Submitted? YesPump Type:Yes										
ATTACHM	ENTS:									
GEOLOGIC	LOG]			
	0 - 13: Brownish OT - Other Fill									
13 - 15: Brow	nish OL - Org	anic silts and c	organic silty clay	s of low plastic	ity					
15 - 25: Brow	nish SC - Clav	yey sands, sand	-clay mixtures							

ADDITIONAL INFORMATION:

Nicholas A Fallucca, Driller of Record: MASTER LICENSE # 749523

Company: SGS NORTH AMERICA INC.

Well Permit Number **E201612502**

MONITORING WELL RECORD

PROPERTY	OWNER: <u>N</u>	METROPOLIS	TOWERS APT	CORP MGM	METROPOLIS T	OWERS APT. CORP	MGMT		
Company/Organization: Metropolis Towers Apt. Corp MGMT									
Address: 28	30 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302					
WELL LOC	ATION: Me	etropolis Tower	rs Apt. Corp MC	GMT					
Address: 28	30 Gregory Par	k Plaza / MW-	8R Address con	firmed by client	T Hanley				
County: Hu	dson	Municipality	y: Jersey City		Lot: 1	Block: 1	3101		
Easting (X):	619314	Northing	(Y): <u>686712</u>		DATE WELL ST	ARTED: October 20	5, 2016		
Coordin	Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: October 26, 2016								
WELL USE:	MONITOR	ING							
Other Use(s): Local ID: MW-8R									
WELL CON	STRUCTION	1							
Total Depth	Drilled (ft.):	16	Finished We	ll Depth (ft.):	16	Well Surface: Flu	sh Mount		
Depth toDepth toDiameterMaterialWgt/Rating/Screen # UsedTop (ft.)Bottom (ft.)(inches)(lbs/ch no.)									
Borehole	0	16	8			, ,	,		
Casing	0	11	2		PVC		sch 40		
Screen	11	16	2		PVC		.010		
	Depth to	Depth to	Outer	Inner		Material			
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)		
Grout	0	9	8	2	14	259	22		
Gravel Pack	9	16	8	2		#1 Filpro			
Grouting Met	hod: Pressur	e method (Trer	nie Pipe)	Dri	lling Method: Holl	ow Stem Augers			
Grouting Method:Pressure method (Tremie Pipe)Drilling Method:Hollow Stem AugersADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _gpmStatic Water Level:13 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool:mscopeDrilling Fluid:Well Development Period:1 hrs.Drill Rig:Method of Development:Pump / SurgeHealth and Safety Plan Submitted?Pump Type:Yes									
ATTACHM	ATTACHMENTS:								
GEOLOGIC									
0 - 5: Brown OT - Other Fill 5 - 10: Brown GM - Silty gravels, gravel-sand-silt mixtures									
	. 0	. 6		8					
10 - 16: Brow	n SM - Silty s	ands, sand-silt	mixtures						
ADDITIONA	AL INFORMA	ATION:							

Well Permit Number **E201604284**

MONITORING WELL RECORD

PROPERTY	PROPERTY OWNER: METROPOLIS TOWERS APT CORP MGMT METROPOLIS TOWERS APT CORP MGMT							
Company/Org	ganization: M	letropolis Towe	ers Apt Corp Mg	gmt				
Address: 28	30 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302				
WELL LOC	ATION: Frr	nr PPG						
Address: 28	80 Marin Blvd							
County: Hu	dson	Municipality	y: Jersey City		Lot: 1	Block: 13	101	
			(Y): <u>686977</u>			CARTED: April 21, 20		
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: April 21, 2016								
WELL USE:								
Other Use(s)	:				Local ID: M	N-9		
WELL CON	STRUCTION	1						
Total Depth Drilled (ft.): 15 Finished Well Depth (ft.): 15 Well Surface: Flush Mount								
Depth to Top (ft.)Depth to Bottom (ft.)Diameter (inches)MaterialWgt/Rating/Screen # Used (lbs/ch no.)								
Borehole	0 15 6							
Casing	0	10	2		PVC	S	ch 40	
Screen	10	15	2		PVC		.010	
	Depth to	Depth to	Outer	Inner		Material		
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)	
Grout	0	7	6	2	5	94	8	
Gravel Pack	7 8	8 15	6 6	2 2		00 sand		
Gravel Pack	-	-				01 sand		
Grouting Met	hod: Pressur	e method (Trer	nie Pipe)	Dri	lling Method: Dire	ect Push Probe		
ADDITIONAL INFORMATIONProtective Casing: YesPump Capacity: _gpmStatic Water Level: _6 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: tapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7822Method of Development: pumpHealth and Safety Plan Submitted? NoPump Type:Pump Type:								
ATTACHM	ENTS:							
GEOLOGIC LOG								
			vel-sand-silt mix					
10 - 15: black	10 - 15: black-grey SM - Silty sands, sand-silt mixtures some peat							
ADDITION	AL INFORMA	ATION:						

Well Permit Number **E201603654**

MONITORING WELL RECORD

PROPERTY	OWNER: N	METROPOLIS	TOWERS AP	Г. CORP MGM	Т					
Company/Organization: Metropolis Towers										
Address: 27	0 Gregory Par	k Plaza Jersey	City, New Jerse	y 07302						
WELL LOC	ATION: Me	tropolis Tower	·S							
	0 Gregory Par	-	-							
			v: Jersev Citv		Lot: 2		Block: 13	101		
Easting (X): 619563 Northing (Y): 686784 DATE WELL STARTED: April 8, 2016 Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: April 8, 2016										
WELL USE: MONITORING										
Other Use(s): Local ID: MW-10										
WELL CON	STRUCTION	I								
Total Depth Drilled (ft.): 7 Finished Well Depth (ft.): 7 Well Surface: Flush Mount										
	Depth to Top (ft.)Depth to Bottom (ft.)Diameter (inches)MaterialWgt/Rating/Screen # Used (lbs/ch no.)									
Borehole	0	7	6					<i>,</i>		
Casing	0	2	1.5		PVC		S	ch 40		
Screen	2	7	1.5		pvc		1	0 slot		
	Depth to	Depth to	Outer	Inner			Material			
~	Top (ft.)	Bottom (ft.)		Diameter (in)	Bentonite (lbs.)	Ne	eat Cement (lbs.)	Water (gal.)		
Grout Gravel Pack	0	1 7	6 6	1.5 1.5	2.5		47 #1 well gravel	2.5		
			÷				- C			
-		e method (Trer	nie Pipe)	Dri	lling Method: Dire	ect Pi	ish Probe			
ADDITIONAL INFORMATIONPump Capacity: _ gpmProtective Casing: YesPump Capacity: _ gpmStatic Water Level: 4 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: tapeDrilling Fluid:Well Development Period: 1 hrs.Drill Rig: geoprode 420Method of Development: pump and surgeHealth and Safety Plan Submitted? NoPump Type:Pump Type:										
ATTACHM	ENTS:									
GEOLOGIC										
		-	nd-silt mixtures							
		s, sand-silt mix								
5 - 7: black S	C - Clayey san	ds, sand-clay r	nixtures							

ADDITIONAL INFORMATION:

Stephen Folcher, Driller of Record: MONITORING LICENSE # 435811

Well Permits

Note: Well Permits were not located for the wells installed in 1992 (MW-1, MW-2, MW-3, MW-4, and MW-5). Well permit information from New Jersey Department of Environmental Protection's DataMiner is provided for these wells.

Download PDF	Permit Number	Well Name	Well Use	Document	Date (Permitted/ Drilled/ Sealed)	Physical Address	County	Municipality	Block	Lot	Location Method	Easting (X)	Northing (Y)	Depth	Capacity (gal/min)
	2600031329	MW-1	Monitoring	Permit	10/22/1992		Hudson	Jersey City	170	4	Prop Loc - Hard Copy	618496	689682	20	
	2600031323	MW-2	Monitoring	Permit	10/22/1992		Hudson	Jersey City	170	1	Prop Loc - Hard Copy	618496	689682	20	
	2600031325	MW-3	Monitoring	Permit	10/22/1992		Hudson	Jersey City	170	1	Prop Loc - Hard Copy	618496	689682	20	
	2600031324	MW-4	Monitoring	Permit	10/22/1992		Hudson	Jersey City	170	1	Prop Loc - Hard Copy	618496	689682	20	
	2600031839	MW5	Monitoring	Permit	12/10/1992	280 HENDERSON STREET	Hudson	Jersey City	170	1	Prop Loc - Hard Copy	618496	689682	20	

Well Permit Number E201604598

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT MGMT METROPO	LIS TOWERS APT MGMT
Organization: Metropolis Towers Apt Mgmt	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jerse	zip Code: _07302
PROPOSED WELL LOCATION	
Facility Name: Frmr PPG	
Address: 280 Marin Blvd Address ok, please process as is	
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X): 619420 Northing (Y): 687003	Local ID: <u>MW-1R</u>
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:April 21, 2016Expiration Date:April 21, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATION						
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]

Well Permit Number E201604599

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT MGMT METROPOL	LIS TOWERS APT MGMT
Organization: Metropolis Towers Apt Mgmt	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jerse	zip Code:07302
PROPOSED WELL LOCATION	
Facility Name: Frmr PPG	
Address: 280 Marin Blvd Address ok please process as is	
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X): 619286 Northing (Y): 686935	Local ID: <u>MW-5R</u>
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.): <u>15</u>	Case ID Number:
Pump Capacity (gpm): 0	Deviation Requested: N
Drilling Method: Hollow Stem Augers	
Attachments:	

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:April 21, 2016Expiration Date:April 21, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

Well Permit Number E201604281

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT CORP MGMT MET	TROPOLIS TOWERS APT CORP MGMT
Organization: Metropolis Towers Apt Corp Mgmt	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jerse	ey Zip Code: 07302
PROPOSED WELL LOCATION	
Facility Name: Frmr PPG	
Address: 280 Marin Blvd	
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X):619114Northing (Y):686731Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: MW-6
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:April 13, 2016Expiration Date:April 13, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

Well Permit Number E201604282

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT CORP MGMT MET	TROPOLIS TOWERS APT CORP MGMT
Organization: Metropolis Towers Apt Corp Mgmt	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jerse	ey Zip Code: 07302
PROPOSED WELL LOCATION	
Facility Name: Frmr PPG	
Address: 280 Marin Blvd	
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X):619403Northing (Y):686810Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: MW-7
SITE CHARACTERISTICS	
PROPOSED CONSTRUCTION	
WELL USE: MONITORING	Other Use(s):
Diameter (in.): 2	Regulatory Program Requiring Wells/Borings:
Depth (ft.): <u>15</u>	Case ID Number:
Pump Capacity (gpm): 0	Deviation Requested: N
Drilling Method: Hollow Stem Augers	
Attachments:	

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:April 13, 2016Expiration Date:April 13, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

Well Permit Number E201604283

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT CORP MGMT MET	TROPOLIS TOWERS APT CORP MGMT
Organization: Metropolis Towers Apt Corp Mgmt	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jerse	Zip Code: 07302
PROPOSED WELL LOCATION	
Facility Name: Frmr PPG	
Address: 280 Marin Blvd	
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X):619314Northing (Y):686712Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: MW-8
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:April 13, 2016Expiration Date:April 13, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

Well Permit Number E201612502

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: THOMAS L HANLEY, JOURNEYMAN LICENSE # 0001181

Permit Issued to: SGS NORTH AMERICA INC.

Company Address: PO BOX 423 WEST CREEK, NJ 08092

PROPERTY OWNER

Name: METROPOLIS TOWERS APT. C	ORP MGMT ME	TROPOLIS TOWERS A	PT. CORP N	/IGMT	
Organization: <u>Metropolis Towers Apt. Corp</u>	MGMT				
Address: 280 Gregory Park Plaza					
City: Jersey City	State: New Jerse	еу	Zip Code:	07302	
PROPOSED WELL LOCATION					
Facility Name: Metropolis Towers Apt. Corp	MGMT				
Address: 280 Gregory Park Plaza / MW-8R	Address confirmed	l by client T Hanley			
County: Hudson Municipality:	Jersey City	Lot: 1		Block: 13101	
Easting (X): 619314 Northing (Y Coordinate System: NJ State Plane (NAI		Local ID:	MW-8R		
SITE CHARACTERISTICS					
					_
PROPOSED CONSTRUCTION					
WELL USE: MONITORING		Other Use(s):			_
Diameter (in.): 2		Regulatory Program Requiring Wells/Boring	gs:		_
Depth (ft.): 35		Case ID Number:			_
Pump Capacity (gpm): 0		Deviation Requested:	Ν		_
Drilling Method: Hollow Stem Augers					_
Attachments:					-

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:October 14, 2016Expiration Date:October 14, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number E201604284

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 WAGNER, MASTER LICENSE # 0016989

Permit Issued to: ADVANCED DRILLING INC

Company Address: 235 VAY SYCKELS RD HAMPTON, NJ 08827

PROPERTY OWNER

Name: METROPOLIS TOWERS APT CORP MGMT MET	me: METROPOLIS TOWERS APT CORP MGMT METROPOLIS TOWERS APT CORP MGMT				
Organization: Metropolis Towers Apt Corp Mgmt					
Address: 280 Gregory Park Plaza					
City: Jersey City State: New Jerse	Zip Code: 07302				
PROPOSED WELL LOCATION					
Facility Name: Frmr PPG					
Address: 280 Marin Blvd					
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101				
Easting (X):619193Northing (Y):686978Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: MW-9				
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: <u>April 13, 2016</u> Expiration Date: <u>April 13, 2017</u> Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number E201603654

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: JASON J KUNI, MONITORING LICENSE # 450560

Permit Issued to: ENVIROPROBE SERVICE INC

Company Address: 908 LENOLA RD MOORESTOWN, NJ 08057

PROPERTY OWNER

Name: METROPOLIS TOWERS APT. CORP MGMT					
Organization: Metropolis Towers					
Address: 270 Gregory Park Plaza					
City: Jersey City State: New Jerse	ey	Zip Code: 07302			
PROPOSED WELL LOCATION					
Facility Name: Metropolis Towers					
Address: 270 Gregory Park Plaza					
County: <u>Hudson</u> Municipality: <u>Jersey City</u>	Lot: 2	Block: 13101			
Easting (X):619563Northing (Y):686784Coordinate System: NJ State Plane (NAD83) - USFEET	Easting (X): 619563 Northing (Y): 686784 Local ID: MW-10 Coordinate System: NJ State Plane (NAD83) - USFEET VICCONDUCTION MW-10				
SITE CHARACTERISTICS					
PROPOSED CONSTRUCTION					
WELL USE: MONITORING	Other Use(s):				
Diameter (in.): 2	Regulatory Program	gs:			
Depth (ft.): _7	Case ID Number:				
Pump Capacity (gpm): 0					
Drilling Method: Hollow Stem Augers					
Attachments:					

SPECIFIC CONDITIONS/REQUIREMENTS

Well must be built in accordance with submitted deviation [N.J.A.C. 7.9D-2.8]

Approval Date:April 7, 2016Expiration Date:April 7, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

Well Permit Number E201603654

WELL PERMIT

New Well

DEVIATION INFORMATION		
Purpose:	For Monitoring	
Unusual Conditions:	Low overhead clearance	
Reason for Deviation:	Due to access constraints standard drilling equipment, can't be used. The well will be installed using hand augers, which may result in a smaller diameter borehole.	
Proposed Well Construction	2"x5' pre-pack screen.2"x2' schedule 40 PVC riser.6" flush mount well protector.	

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]

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number E201712247

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: NICHOLAS A FALLUCCA, MASTER LICENSE # 749523

Permit Issued to: SGS NORTH AMERICA INC.

Company Address: PO BOX 423 WEST CREEK, NJ 08092

PROPERTY OWNER

Name: ALKI ANTONOPOULIS

Organization: Metropolis Towers Apt. Corp. Mgmt.	
Address: 280 Gregory Park Plaza	
City: Jersey City State: New Jersey	zip Code: 07302
PROPOSED WELL LOCATION	
Facility Name: Site 156	
Address: 280 Gregory Park Plaza /156- MW8A confirmed by c	2lient / 6187
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101
Easting (X):619295Northing (Y):686709Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID:156-MW8A
SITE CHARACTERISTICS	
PROPOSED CONSTRUCTION	
WELL USE: MONITORING	Other Use(s):
Diameter (in.): 2	Regulatory Program Requiring Wells/Borings: Owner Investigation
Depth (ft.): _20	Case ID Number:
ump Capacity (gpm): 0 Deviation Requested: N	
Drilling Method: Hollow Stem Augers	
Attachments:	

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:October 26, 2017Expiration Date:October 26, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

New Jersey State Department of Environmental Protection Bureau of Water Allocation and Well Permitting Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number E201712248

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: NICHOLAS A FALLUCCA, MASTER LICENSE # 749523

Permit Issued to: SGS NORTH AMERICA INC.

Company Address: PO BOX 423 WEST CREEK, NJ 08092

PROPERTY OWNER

Name: ALKI ANTONOPOULIS

Nalie. ALKI ANTONOFOULIS			
Organization: Metropolis Towers Apt. Corp. Mgmt.			
Address: 280 Gregory Park Plaza			
City: Jersey City State: New Jer	sey Zip Code: <u>07302</u>		
PROPOSED WELL LOCATION			
Facility Name: Site 156			
Address: 280 Gregory Park Plaza /156- MW8B confirmed by	client / 6187		
County: Hudson Municipality: Jersey City	Lot: 1 Block: 13101		
Easting (X): 619303 Northing (Y): 686703 Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: 156-MW8B		
SITE CHARACTERISTICS			
PROPOSED CONSTRUCTION			
WELL USE: MONITORING	Other Use(s):		
Diameter (in.): 2	Regulatory Program Requiring Wells/Borings: Owner Investigation		
Depth (ft.): 20	Case ID Number:		
Pump Capacity (gpm):	Deviation Requested: N		
Drilling Method: Hollow Stem Augers			
Attachments:			

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:October 26, 2017Expiration Date:October 26, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

WELL PERMIT

New Well

DEVIATION INFORMATI	ON
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]

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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]

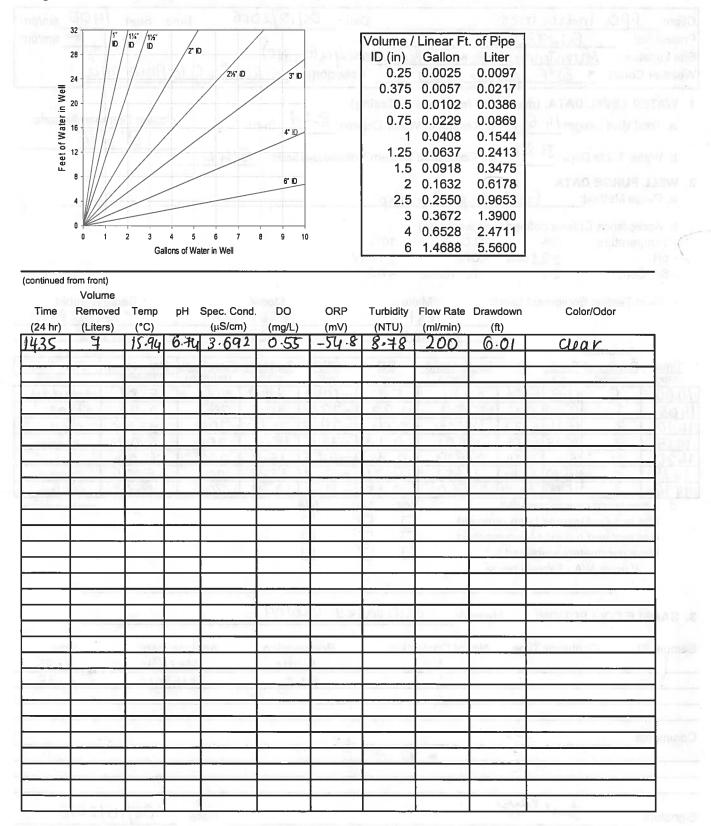
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

Groundwater Sampling Logs

Well ID:	MW	LIR
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Low Flow Ground Water Sample Collection Record

Client: PPOI Inductives Project No: <u>6049306</u> Site Location: <u>Mutro Towers</u> Weather Conds: <u>65°F, pa</u>	5 280 Marin Blud, Jel	nate: OSTO/201 rsey (Lity, NJ) Collector(s): <u>S+Ra</u>		e: Start <u> </u> Finish eAmbrog	am/pm
1. WATER LEVEL DATA: (measure a. Total Well Length 14. 64 Ft b. Water Table Depth 5.87	c. Length of Water Col	umn 8-77 (a-b)	·4L -	Casing Diam	eter/Material
2. WELL PURGE DATA	ech peri pump				
b. Acceptance Criteria defined (- Temperature 3% - pH <u>+ 0.1</u> unit - Sp. Cond. 3%	see workplan) -D.O. 10% - ORP <u>+</u> 10m - Drawdown < 0.3'	∨.	s I s ada act s		
c. Field Testing Equipment used		Model 650 M	DC		Number 0328AE
	<u>YSI</u> Lamotte	2020			88
Volume	Loor come	- () for 0		<u>.</u>	0.8
<u>Time</u> <u>Removed</u> <u>Temp.</u> <u>pH</u> (24hr) (Liters) (°C)	Spec. Cond. DO (µS/cm) (mg/L)		Flow Rate (ml/min)	Drawdown	Color/Odor
1400 0 17-55 6-87	$(\mu S/cm)$ (mg/L) 3.124 5.42	(mV) (NTU)	200	(feet) 5+84	muddy.
1405 1 16.20 6.72	3.509 1.32	-19-8 30.2	200	5.97	dear.
1410 2 16.16 6-73	3.588 0.84	-79.5 21.1	200	65.98	dear.
1415 3 16.18 6.73	3-601 0-78	-73.5 18.3	200	6.00	CILC PL CONTRACTOR CONTRACTOR
1420 4 16.11 6.74	3.629 0.74	-57.5 15.8	200	6.00	clear
1425 5 16.10 6.74	3.653 0.71	-54.4 12.9	200	6.01	clear
1430 6 1608 6.14		-54.1 10.9	200	6.02	dear.
d. Acceptance criteria pass/fail Has required volume been re Has required turbidity been r Have parameters stabilized If no or N/A - Explain bel	emoved X C eached X C ow.				(continued on back)
3. SAMPLE COLLECTION:	Nethod: deal ca	ted tubing		12 24	<u></u>
Sample ID Container Type	No. of Containers	Preservation IVONE	Analysi He	s Req. X C r	Time 1435
	1	HNO3		TALS	1435
Comments	,				
Signature			Date	05/10	2016

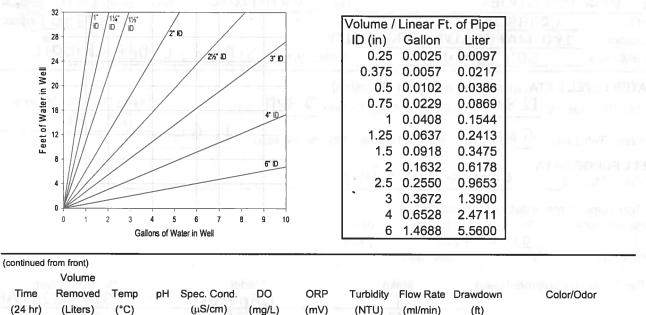


Well	ID:	Mh	v-3

Client: PP	GI INDUSTRI	ES	De	_{ite:} 05	11/201	l6 Tim	e: Start 08	310 @74
Project No:	604930				10140			<u>\$50 (an)</u>
Site Location:		LIN BLVP I	TERSEV OT	y				
Weather Con		SUNNY	C	, ollector(s)	. S·R	an. C	DeAmb	rogio
			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	_				
	EVEL DATA: (me				- Ct			
a. Total W	ell Length 12.88	f ^{+c} c. Length	of Water Colu	mn <u>+ 3</u> 2	IFE (a-b)		Casing Diam	
b. Water T	able Depth 5.49	Ht d. Calcula	ated System Vo	olume (see	back)	1.6L	2 P	VC
2. WELL PU	RGE DATA	AND AND ADDRESS	o					
a. Purge N	lethod: 9	eotech pe	repump	•		-		
b. Accepta	ince Criteria defin	ed (see workpl	an)					
- Tempera		-D.O.	10%					
- pH	<u>+ 0.1</u> u	nit - ORP	<u>+</u> 10m\	/				
- Sp. Cond	. 3%	- Drawdo	wn < 0.3'					
c. Field Te	sting Equipment	used:	Make		Model		Serial	Number
			(\$1	5-	650 N	105		0328
		La	Motte	1996		we.	39	88.
	lume			000	T 1 1 10	E D ()		
	noved <u>Temp.</u> p iters) (°C)	H Spec. Cor (μS/cm)	<u>nd.</u> <u>DO</u> (mg/L)	ORP (mV)	(NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Od
0815	0 13.09 6.			-91.3	10.22	200	5.49	dear
0820	1 13.03 6.		1.21	-77.8	7.71	200	5.51	clen
0825	2 13.03 6.	56 5.625	5 0.98	- 68.7	6.65	200	5.50	clea
0830	3 13.04 6.	58 5.621		-67.6	1	200	5.50	clear
0835	4 13.20 6-			- 70.9		200	5.50	dea
0840	<u>5 13-33 6</u> 6 13-38 6.			-66.9		200.	550	dea
	ance criteria pass		Yes No	N/A			7.44	(continued on b
	uired volume bee							(contained on a
Has ree	uired turbidity be	en reached						
	arameters stabiliz							
lf n	o or N/A - Explain	below.						
3 SAMDIE	COLLECTION:	Method:	d	edica	ted to	ubing	T T	_
J. UAIN EE	SOLLEONON.	Method.				<u> </u>		
Sample ID	Container Typ				rvation	Analysi		Time
MW3-20160		+	1		ONE		rCr	0850
- <u>MW3-2016</u>	0511		1	HN	03	М	ETALS	0850
							1. 1	-
Commonte	burnep Se	t @ 104	۲,				1	
Comments _	principuse		-U.					
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	m 1.							
Signature	Suken					Date	05/11	12016
								-

1925

12



Time (24 hr)	Removed (Liters)	(°C)	рп	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	(NTU)	(ml/min)	Drawdown (ft)	Color/Odor
12		1.25	1	1.000			5.5		1.42	
2019	5 1 7			12-211		10-1	TEL	10.3		Stinger Street
1.63.2				15 19 1		11-11	14 11	1	50 J 10	
1.2	-					4	9.9.0	- 22		time the
11-11			- 7-			1.4	6 20 10			
					1-11				The loss	
11.1		115			87 ST		VIII T	1 3.23	21.7	
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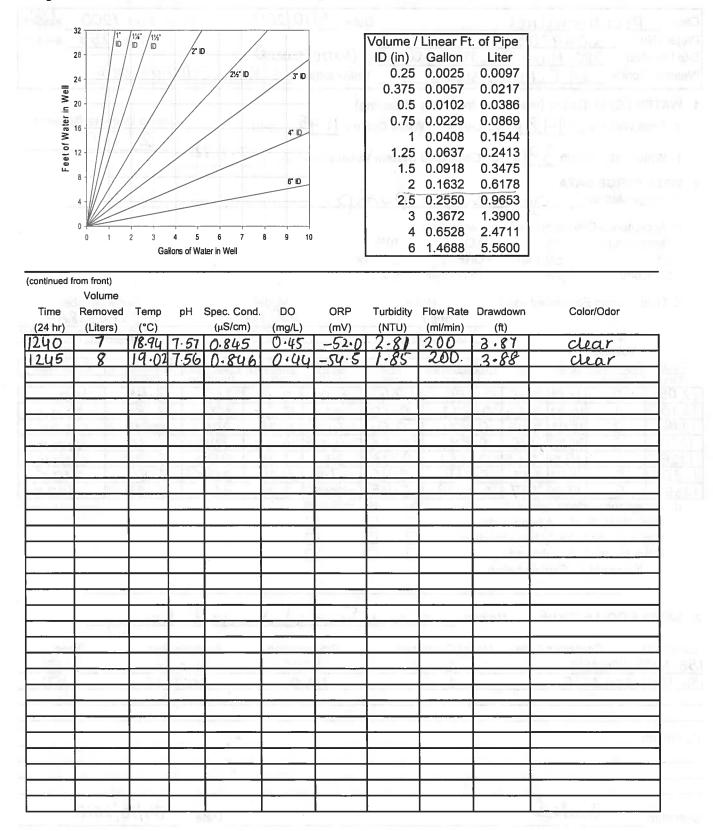
ume Calculation

			PROJECT			3	PROJECT No.		WELL NO.	EET SI
CATION	AMPLING					<i>v</i>	DATE WELL S	TARTED	DATE WELL COMPLETED	1 OF
MI	étro :	TOWER	85 - 1	96 ST.	Z 156		5-/7- NAME OF INSP	<u> 16</u>	DATE WELL COMPLETED	
PP	6							RIAM		
ILLING COM	IPANY						SIGNATURE			
-						ul a		Ŷ₹		
ONE WE	LL VOLUME :		gallons		WELL TD:	14.2	ft	•	PUMP INTAKE DEPTH:	12.5 ft
	Depth to	Purge			FIELD MEA	SUREMENT	ſS			
Time	Water	Rate	Temp.	Conduct.	DO	pН	ORP	Turbidity	REMA	RKS
	(ft)	(mL/min)	(°C)	(µs/cm)	(mg/L)			(ntu)		
610	6.20	. 200	18.33	1.82	232.3	7.01	-36	85.9	Static water level	6.21
615	6.55	200	13.86	1.74	75.6	6.75	-67	48,4	pump on 1608	
620	6.60	200	13.80	1.78	4.91	6.63	-75	13.7		
625			13.79	1.77	4.81	6.62		11.6		
630			13.81	1.78	4.74	6.60	-76	7.3		
635					4.69					
625	6.65	200	13.82	1.78	7.01	6.60	-76	7.1		• • • • •
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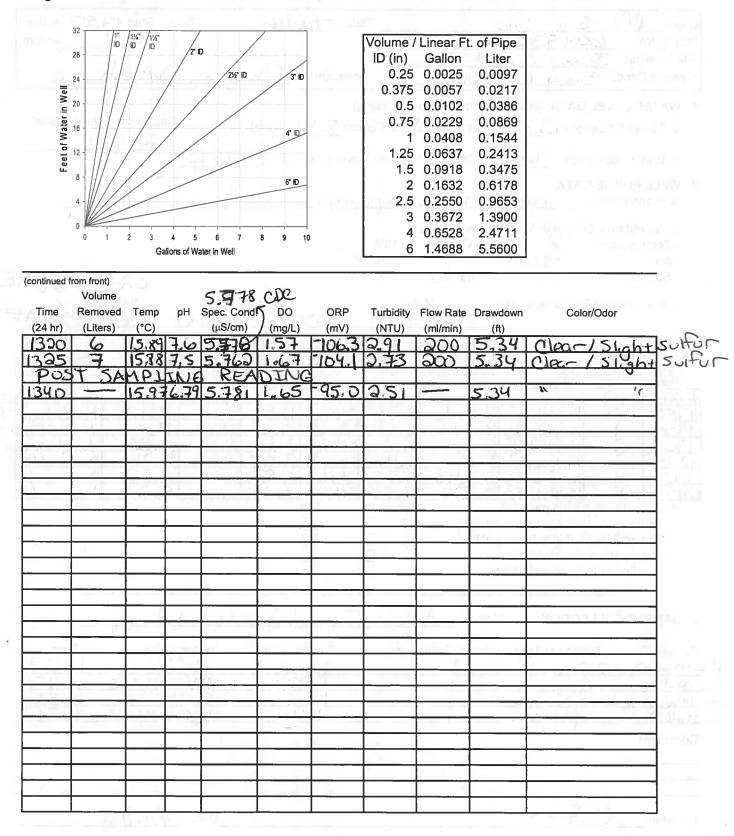
Well ID:	MW.5	R
		-

Low Flow Ground Water Sample Collection Record and Date: 5/10/2016 Time: Start 1200 Client: PPG Industries 60493065 Finish 1255 Project No: am/pm 280 Marin Blvd, Jersey City, NJ (Muto Towers) Site Location: Collector(s): _S. Ravi, C. De Ambrogio 65° F. Partu Sunnu Weather Conds: 1. WATER LEVEL DATA: (measured from Top of Casing) a. Total Well Length 14,81 c. Length of Water Column 11.45 (a-b) Casing Diameter/Material PVC. 2 b. Water Table Depth 3.36 d. Calculated System Volume (see back) 7.07L 2. WELL PURGE DATA geotech Derifum a. Purge Method: b. Acceptance Criteria defined (see workplan) -D.O. - Temperature 3% 10% + 0.1 unit - ORP - pH + 10mV - Sp. Cond. 3% - Drawdown < 0.3' c. Field Testing Equipment used: Make Model Serial Number 650 MDS 02F0328AE Y51 2020 We La otte. 3988 Volume Removed Temp. Spec. Cond. ORP Color/Odor DO Turbidity Flow Rate Drawdown Time pH (24hr) (Liters) (°C) (µS/cm) (mg/L)(mV) (NTU) (ml/min) (feet) 12 05 -64 3.49 dear 0 18.89 7.48 0.886 0.9 7-19 200 200 1210 0.872 0.80 3.8 1 8.97 7.52 5-68 - 77,1 dear 1215 2 0. 811 0.54 -41.2 .79 18-97 7.49 200 10000003.81 clear. 1220 3 19.00 7-50 0.841 0.46 - 67-8 -44 200 3-81 donr. 19.01 3.84 1225 1.56 0.867 0.43 > 200 4 - 27.1 .49 clear 0.850 3-84 1230 18.97 0.40 -51.4 3.74 5 7-58 200 dear 6 1235 19.08 7.50 0.849 0.45 -----200 3,85 dear 3.78 d. Acceptance criteria pass/fail -59-3N/A Yes No (continued on back) Has required volume been removed Has required turbidity been reached Have parameters stabilized If no or N/A - Explain below. direct from ded 3. SAMPLE COLLECTION: Method: tubi Sample ID Container Type No. of Containers Preservation Analysis Req. Time 156-MW5-20160510 None Hex Cr 1250 156-MWS-20160510 HNO2 METALS 1250 Comments 05/10/2016 Sheefon Date Signature

1



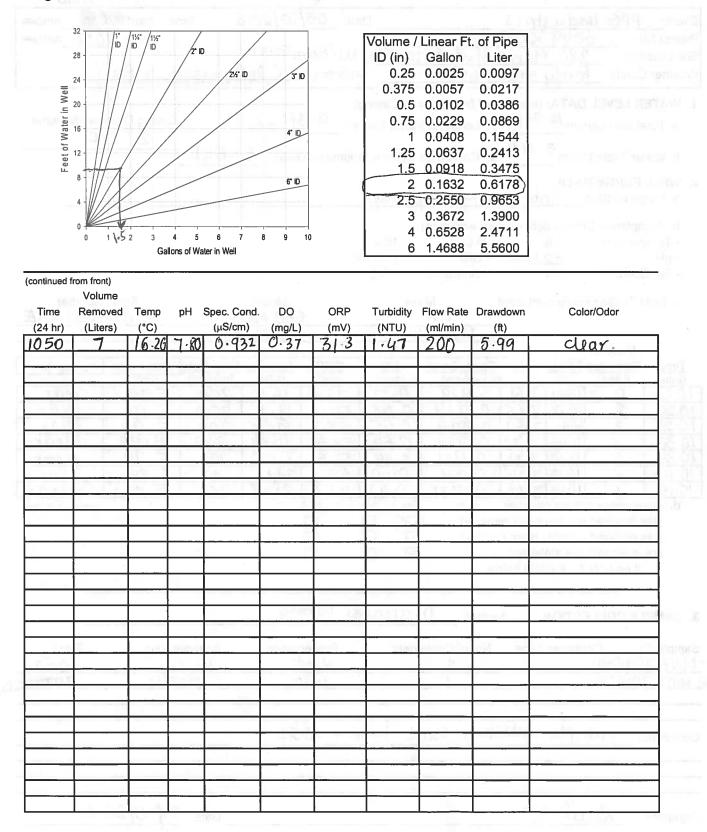
Client: PPG Sive 156		Date: 5/10/16	Tiı	me: Start 1	350 am/pm	1
Project No: 60493065		7		Finish	am/pm	
Site Location: <u>Jecsey</u> C.Hy Weather Conds: <u>Sunny</u> Cool	603	Collector(s):	ristine	DeAm!	OIBCIO	
1. WATER LEVEL DATA: (measure	and the second se			O		
a. Total Well Length 13:35 c.	Length of Water Co	lumn <u>8 .46</u> (a-b)	011.	neter/Material	
b. Water Table Depth U.89 d.	Calculated System	Volume (see back)	5.23 L	-0 +		
2. WELL PURGE DATA		1825	a nati	1.1		
a. Purge Method: Qeo 1	ech peri-p	ump	1.00	1	10	
b. Acceptance Criteria defined (se	e workplan)	```				
	D.O. 10% ORP <u>+</u> 10r	m\/				
	- Drawdown < 0.3			201	E0300 A	F
c. Field Testing Equipment used:	Make	Mode	5.27 14		FO328A	
	VSI	GOOXL	Mete	5 -06	A Number	F(
and the second states of the s	,	0+00	Probe	06F	2353AA	_
Volume <u>Time Removed Temp. pH</u> S	pec. Cond. DO	ORP Turbidi	ty Flow Rate	Prawdown		1
(24hr) (Liters) (°C)	(µS/cm) (mg/L)	(mV) (NTU)	(ml/min)	(feet)	- Colon Cuci	-
1220 0 1648 10,18 3	111 108	THO L H 97	200	E IA	No/Slich	jCi
1255 1 15.928.494	874 0.83	13035 7.0	300	5.30	No/Sligh	150
1300 2 15.94 7.28 5	1.299 1.35	-187.4 5.55	200	5.35	No/shal	4+5
1305 3 15,93 6,92 5	143 150	-152.9 3.0-	7 200	5.33		
315 5 15.996.33 5	730 1.55	-114.9 3.39	200	5,33	K /1	
d. Acceptance criteria pass/fail		No N/A			(continued on back)	
Has required volume been rem Has required turbidity been rea						
Have parameters stabilized						
If no or N/A - Explain below	1.					
3. SAMPLE COLLECTION: Me	thod: direct	From dedic	ated -	tubing	_	
Sample ID Container Type	No. of Containers	Preservation	Analy	sis,Req.	Time	
-MW6-20160510D/astrc		None	Cr	The	1327	
-MW6-20160510 Dlastic		14NO3	CCF			
MWGD-201605100/astrc	1	HNO3	5	the Dw Metals	1330	-
HWGD-DOILOSID Plastic	1	11003		W INCIBL	1330	-
Comments						_



Client: <u>PPG Industries</u> Project No: <u>60493065</u> Site Location: <u>280 Marin Bivd</u> Weather Conds: <u>Partly sunny, 65</u> °	, Jersey Gity NJ (M	5/10/2016 troTowers s): <u>C-Del</u>		ne: Start 11 Finish <u>10</u> 0, S·Rav	0 <u>50</u> am/ pm
 WATER LEVEL DATA: (measured from a. Total Well Length <u>14.94ft</u>. c. Leng b. Water Table Depth <u>5.81ft</u>. d. Calco 2. WELL PURGE DATA 	th of Water Column 9			Casing Diam 2 ["] PV	
a. Purge Method: <u>Low flow, pe</u> b. Acceptance Criteria defined (see work - Temperature 3% -D.O. - pH <u>+ 0.1</u> unit - ORP - Sp. Cond. 3% - Draw	cplan) 10% <u>+</u> 10mV				
La	Make YSI Motte	Model 650 MD 2020W		02F	Number 0328 A <u>Æ</u> 88
Volume Time Removed Temp. pH Spec. Or (24hr) (Liters) (°C) $mS \frac{4}{7}$ 10 15 0 15.91 7.61 0.92 10 20 1 16.06 7.65 0.92 10 20 1 16.06 7.65 0.92 10 20 1 16.06 7.65 0.92 10 25 2 16.11 7.69 0.92 10 30 3 16.13 7.72 0.92 10 35 4 15.98 7.72 0.92 10 40 5 15.95 7.74 0.92 10 40 5 15.95 7.74 0.92 10 40 5 15.95 7.74 0.92 10 40 5 16.16 7.78 0.92 d. Acceptance criteria pass/fail 7.72	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(NTU) 6 14.5 11.1 6.098 4.84 3.59 2.41 2.48 1/A	Flow Rate (ml/min) 200 200 200 200 200 200	Drawdown (feet) 5.95 5.96 5.98 5.98 5.98 5.98 5.98 5.98 5.99	Color/Odor Clear clear clear clear. clear. clear. clear. (continued on back)
. SAMPLE COLLECTION: Method: ample ID Container Type No. of MW7-20160510 -MW1-20160510	1 NC	bing. servation DNE NO3	Analysi 1-lex (ME		Time 1052 7055 c.De
comments <u>sample</u> collection	Start time - 1	052			

200ml/min

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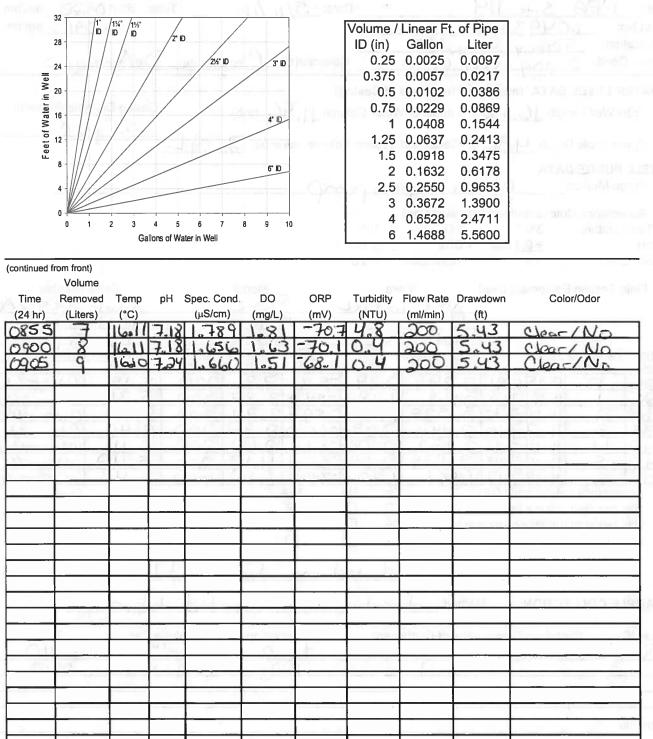


Well ID: MW-2	8
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Low Flow Ground Water Sample Collection Record

Client: PPG Site 114	Date: 5/11/16	Time: Start 🔗	20 am/pm
Project No: (29493065	_ 		910_am/pm
Site Location: Jersey City, NJ	0		1.15
Neather Conds: Sunny Cont 60°S	Collector(s):h	stine DeAmbr	GID
I. WATER LEVEL DATA: (measured from Top of Casi	ing)		
a. Total Well Length 16.32 c. Length of Water Co	olumn	Casing Diam つ"っ	eter/Material
b. Water Table Depth <u>4.36</u> d. Calculated System	N Volume (see back)	39L-P	<u> </u>
a. Purge Method: <u>Geotech-pecip</u>	ump		
b. Acceptance Criteria defined (see workplan)- Temperature3%-D.O.10%- pH+0.1unit- ORP+ 10- Sp. Cond.3%- Drawdown< 0.3)mV		
c. Field Testing Equipment used: Make	Model	Serial	Number
VSI 600X	(L Probe	OLF	2353AA
	Neter	10141	01443
Volume LouMotte	2030W		811
Time Removed Temp. pH Spec. Cond. DO		Flow Rate Drawdown	Color/Odor
$\begin{array}{cccc} (24hr) & (Liters) & (^{\circ}C) & (\mu S/cm) & (mg/L) \\ \hline $) (mV) (NTU)	(ml/min) (feet)	Clear / Noo
2825 1 160 7.01 2.668 1.98	-54,73,87	200 5.36	Clear/NO
0830 2 160 7.10 2.525 200	PE 2 8 03 - 6	200 5.37	CLEGT /NO
0835 3 160 7.10 2.441 2.05	1 60.0 2.90	200 5.40	Classin
0840 4 16.11 7.3 2.157 2.2		200 5.41	Clear/NO.
0845 5 16107.14 2.039 2.0		200 5.42	Clear /ND
0850 6 16.097.17 1-861 1.90	-68.8 6.80	200 5,43	Clear INO
d. Acceptance criteria pass/fail Yes	No N/A		(continued on back)
Has required volume been removed			
Has required turbidity been reached			
Have parameters stabilized			
If no or N/A - Explain below.			
No required	volume for	low thow	
3. SAMPLE COLLECTION: Method: d. rock	From dedice	ated tubing	
Sample ID Container Type No. of Containers	Preservation	Analysis Req.	Time
156-MW 8-20160511 1	None	Crto	0910
··· 1	HN03	CCPW Metals	0910
Comments			
Signature C. D		Date S/1/10	0
	<u></u>		

7

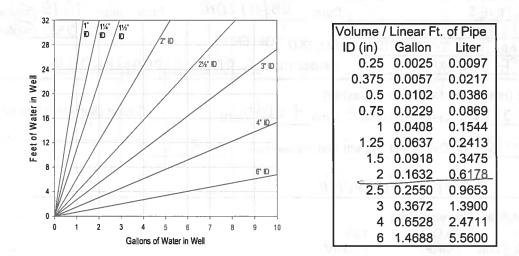


A set of the set of the

Well ID: MW -	9
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Low Flow Ground Water Sample Collection Record

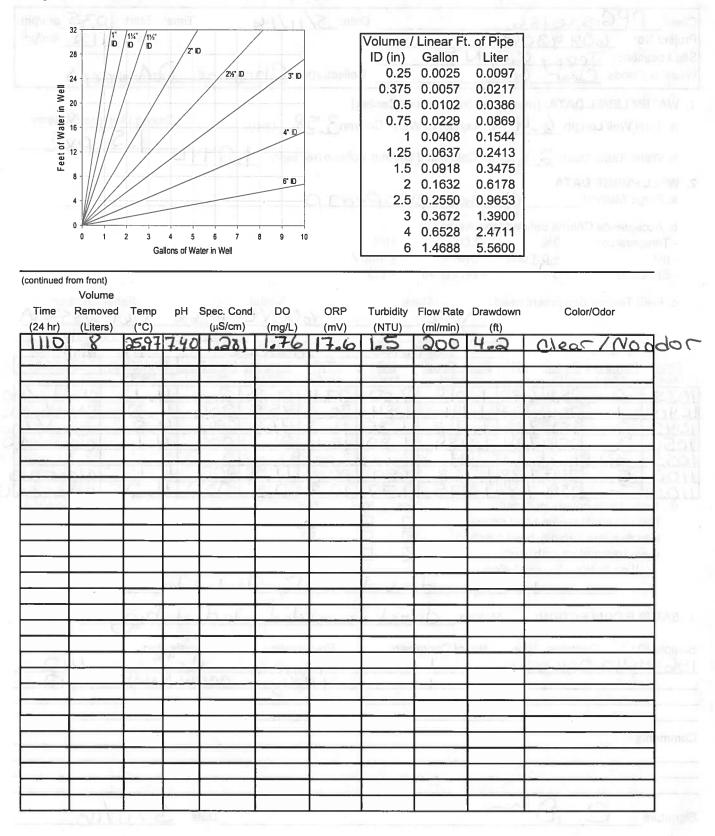
 b. Water Table Depth <u>5.63</u>ftd. Cal 2. WELL PURGE DATA a. Purge Method: <u>GIEDTE</u> b. Acceptance Criteria defined (see working) 	culated System Volume (se	e back) <u>5°96L</u>	-
- Temperature 3% -D.O. - pH <u>+ 0.1</u> unit - OR	rkplan) 10%		
c. Field Testing Equipment used:	Make YSI	Model 650MDS	Serial Number 02F0328
	AMOTTE	2020 We	3988
	Cond. DO ORP /cm) (mg/L) (mV)	Turbidity Flow Rate (NTU) (ml/min)	
0 15-72 6-77 1-2 1020 1 15-62 6-74 1 0	34 2.42 -73.0 996 0.91 -75.0	5 51 200 2 77 200	(teet) 5.05 dec 5.34 dec
1030 3 15.62 6.68 1.	62 0.65 -73.6	0.02 200	3.36 dec 3.35 dec
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-0.54 200	5.36 clea 5.36 clea
d. Acceptance criteria pass/fail Has required volume been removed Has required turbidity been reached Have parameters stabilized If no or N/A - Explain below.	Yes No N		(continued o
3. SAMPLE COLLECTION: Method	COLLECTED FR	OM DEDICATED	TUBING
-MW9-20160511 #	1 N	ONE HE	sis Req. Time <u>INCr 105</u> ETALS 105
- <u>MW9-20160571 3</u>	J H	NO3 M	ETAL 103



(continued from front) Volume Time Removed Temp pH Spec. Cond. DO ORP Turbidity Flow Rate Drawdown Color/Odor (µS/cm) (24 hr) (Liters) (°C) (mg/L) (mV) (NTU) (ml/min) (ft) 5,38 1050 7 15 69 8.65 1.202 0.43 -56·D -0.42 200 CLOV.

Purge Volume Calculation

Low Flow Ground	Water Sample Co	llection Ro	Well ID: M	W-10
Client: PPG SITE 156	Date: <u>5/11/14</u>		Start 103.	
Project No: <u>60493065</u> Site Location: <u>Jercox City</u> NJ	Contraction (Finish 1113	am/pm
Weather Conds: Clear 60 5.	Collector(s): Ch	Iristine D	Ambrogi	0
1. WATER LEVEL DATA: (measured from To a. Total Well Length 6. U C. Length of b. Water Table Depth 2.82 d. Calculate	f Water Column 358 (a-l	») ce 1,244L	asing Diameter	/Material
2. WELL PURGE DATA	peripump		11	
b. Acceptance Criteria defined (see workplar - Temperature 3% -D.O. - pH <u>+ 0.1</u> unit - ORP - Sp. Cond. 3% - Drawdow	10% <u>+</u> 10mV			
c. Field Testing Equipment used:	Jake Mod		Serial Nur OGP23	353AA
Volume Lo	Notte 2020	we	916-18	1 Parts log
Time (24hr)Removed Temp. (Liters)pH (°C)Spec. Conc (µS/cm)	<u>I. DO ORP Turbic</u> (mg/L) (mV) (NTU		Drawdown C (feet)	color/Odor
1035 0 25.84 6.83 1-018	2.00 27.4 86.	3 200 4	1.1 (1.	oudy/no o
040 1 25,417,32 1,238	1.85 163 41	7 200 4		budy no a
1050 3 25907.34 1.259	1.80 15.4 26.	1 200 4	1.1 CI	ear / MDO
1055 ON Thonk W/ PM	hissed reading	3000 4	1 01	earno
1105 7 25907.391.275	1.77 10.7 2.	3 200 4	1.2 0	
d. Acceptance criteria pass/fail	Yes No N/A		(coni	tinued on back)
Has required volume been removed Has required turbidity been reached				
Have parameters stabilized				
If no or N/A - Explain below.				
No requirer	d volume for	low thou		-
3. SAMPLE COLLECTION: Method:	krect from ded	coted tu	bing	144
Sample ID Container Type No. of Con	tainers Preservation	Analysis, F	Req.	Time
156-MW10-20160511 1	None	Crt	10	112
	HN03	CCPW M	letals 1	lia
Comments		1		
		1		
			1 /	
Signature C. D		Date _	5/11/14	

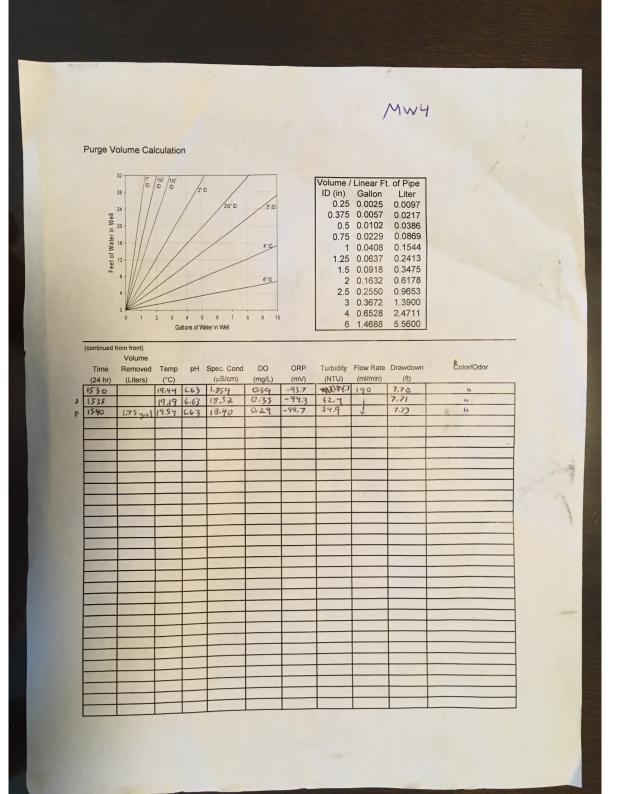


		Well ID: Mw-11R
Low Flow Ground Water Sample	e Collection F	Record
Client: PPG- Date: Generalized Project No:		e: Start <u>/300</u> am/pm Finisham/pm
 WATER LEVEL DATA: (measured from Top of Casing) a. Total Well Length b. Water Table Depth 6.05 d. Calculated System Volume (see 1) WELL PURGE DATA a. Durge Methods b. Calculated System Volume (see 1) 	(u-b)	Casing Diameter/Material
a. Purge Method: b. Acceptance Criteria defined (see workplan) - Temperature 3% -D.O. 10% - pH <u>+ 0.1</u> unit - ORP <u>+</u> 10mV - Sp. Cond. 3% - Drawdown < 0.3'		
c. Field Testing Equipment used:	Model HERON CHOTECIT	Serial Number
VolumeTime (24hr)Removed Temp. (Liters)pHSpec. Cond. (μ S/cm)DO (mg/L)ORP (mV)130518286.1242051.29-85.3131017.096.003.0992.75-94.9131517.596.003.0992.75-94.9132517.456.003.0992.75-94.9132017.456.003.0989.99-32.6132517.456.002.9781.96-33.0d. Acceptance criteria pass/failYesNoN/AHas required volume been removed111Have parameters stabilized111If no or N/A - Explain below.111	$\begin{array}{c} HACH\\ \hline \\ \hline$	
3. SAMPLE COLLECTION: Method: LOWFOW Sample ID Container Type No. of Containers Preser ISB-MUIR-20160616 SOME-PLASTIC ISB-MUIR-20160616 II II II DUPLILATE ISB-MUSTR-20160616 Comments MS/MSD also collecte Signature	None E	s Req. Time CFA 1335 H IPH 1325 Metals 1335 I345 6j16/14

Well ID:	MW-3
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Low Flow Ground Water	Sample Collec	tion Record	<u> </u>
Project No: <u>60493065</u> Site Location: <u>METRO TOWERS, JERSEY</u> (1)	ate: 06[17]16 Τγ Collector(s): 5HA	Finish 10	35 @m/pm 35 @m/pm
 WATER LEVEL DATA: (measured from Top of Casing a. Total Well Length 12.9 c. Length of Water Colu b. Water Table Depth 5-63 d. Calculated System V 	umn <u>1.27</u> (a-b)	Casing Diam	eter/Material
2. WELL PURGE DATA a. Purge Method: Low FLOW ω/ Pe		_ •	
b. Acceptance Criteria defined (see workplan)- Temperature3%- pH+ 0.1- Sp. Cond.3%- Drawdown< 0.3'	V		
c. Field Testing Equipment used: Make YSI HACH	Model 1600 X L 2100 Q	Serial	Number
Volume Time Removed Temp. pH Spec. Cond. DO (24hr) (Liters) (°C) (μ S/cm) (mg/L) 0935 0 16-21 7.10 6-875 20-54 0945 1 15-87 6-22 6-839 14-77 0955 2 16-68 6-20 6-842 21-53 1005 3 16-56 6-14 6-902 7-69 1015 4 16-90 6-16 6-863 14-19 1025 5 17-18 6-19 6-813 20-77 d. Acceptance criteria pass/fail Yes Ni Has required volume been removed 14 14 Has required turbidity been reached 14 14 Have parameters stabilized 15 16 16 DO did nof Stabilized 14	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ow Rate Drawdown nl/min) (teet) 200 5 63 200 7 05 6 97 6 95 7 04 7 05 7 07	Color/Odor
3. SAMPLE COLLECTION: Method: Dedice. Sample ID Container Type No. of Containers - MW3-20160617 1 - 1	Preservation HND3	Analysis Req. METALS X-Cr Eh [pH	Time 1035 1035 1035
Comments			
Signature Shur Par	·····	Date 06[1	7 [16

								Well II	D: Mwy
	Low FI	ow G	round V	Vater S	Sample	e Coll	ection	Recor	d
lient: roject No:	PP5			Da	ate:	7/14/16	Tii	me: Start Finish	
ite Location:	netro f	to were			alle atar(a)	Ac	writer	-	
Veather Conds							anson		
a. Total We			c. Length of			5 (a-b)		Casing Dia	meter/Material
			d. Calculated					2	"PVC
. WELL PUR			u. Calculated	System V	orunne (see	Dack)			
		Iow Au	an peri	purp					
			see workplan						
- Temperati			-D.O. - ORP	10% + 10m	V				
- Sp. Cond.			- Drawdown						
c. Field Tes	ting Equipn	nent use		ake		Model			al Number
		-	Y9169	20 2020~	5			the second data and a lot of the second	327
Vol	ume	-	Lumerre	- 1000	<u>'</u>				
Time Ren	nove <u>Temp</u>	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdowr (feet)	1 Color/Odor
1455	17.97		2,090	1.67	-98.5	84.7 88.51	~190	6,35	Cherifhorp 11
1500		6.41	1,930	1.08	-90,91	89.2		7.36 /	18
1505		6.62	1.891/	0176	-82,91	71.8		7.48	11
1515		6.62	1,905	0,59	-87.6	54,5		7.59	il
1520 -10		463	1.889	0.48	- 91.5	43,1	5	7.68	4
1525		6.63	1,875	Ves No	- 92.7 N/A	37.5	3	7.69	(continued on back)
Has rec Has rec Have pa	ance criteria quired volum quired turbid arameters si o or N/A - Ex	ie been r ity been tabilized	removed reached						
3. SAMPLE C		N:	Method:	ri pumf	>				
						tion	Anal	in Dec	
Sample ID	Containe		No. of Cont	ainers	Prese	rvation e	Cro/PH	is Req.	Time 1535
6-FB-201607	14 500 M	11	2		HNO		metals		1540
						-			
Comments									
		111000							



DOWN PH SC DO ORP TURB FLOW TIME TEMP 18.29 6.13 4202 1.30 -85.8 4.95 250 1220 5.60 18.28 6.13 4204 1.29 -85.6 4.87 250 1225 5.10 - DONE

Well	ID:	MW	-5R
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Client: PPG	Date	e: 06 16 16	Time: Start 12	
Project No: <u>60493065</u> Site Location: <u>METRD TD WERS</u> , Weather Conds: <u>60'S, OVERCAST</u>	JERSEY CITY Col	lector(s): SHR	Finish 13	<u>345</u> am/m
1. WATER LEVEL DATA: (measured f a. Total Well Length 42005 c. Lo 14-81 FE		ın \\. (a-b)	Casing Diam 2 '	eter/Material
b. Water Table Depth 3.70 d. C	alculated System Vol	ume (see back)	2.5 L	
2. WELL PURGE DATA a. Purge Method: $\omega \omega f$	low with pe	n°-pump		
b. Acceptance Criteria defined (see w - Temperature 3% -D. - pH <u>+ 0.1</u> unit - O - Sp. Cond. 3% - D	O. 10%			
c. Field Testing Equipment used:	Make YSI	Model GDO X L		Number
Volume	НАСН	2100 8	•	
(24hr) (Liters) (°C) ()	c. Cond. DO µS/cm) (mg/L) ◦ 8 11 19 ◦ 88	(mV) (NTU)	Flow Rate Drawdown (ml/min) (feet)	Color/Odor
	· 811 19.88 802 24.94	148.0 17.5	200 <u>3.90</u> 200 <u>3.96</u>	clear/no "
	799 23.19	151.7 15.0	200 3.98	<u></u>
	794 18.62	143.2 13.4	200 4.00	11 17
		127.4 10.6	200 4.01	11
d. Acceptance criteria pass/fail Has required volume been remov Has required turbidity been reach Have parameters stabilized If no or N/A - Explain below.			L	(continued on back)
3. SAMPLE COLLECTION: Metho	od: <u>cledicate</u>	ed tubing		
MWSR-20160616	. of Containers	Preservation	Analysis Req. <u>METALS</u>	Time [34 Օ
MW5R-20160616 -MW5R-20160616		NONE	Crt6 Eh/PH	1340
Comments	<u> </u>			
0 0				
Signature Shurfan			Date 06(1	6 /16

lient: roject No):E	SIT RSEY	5 15 SITY	6	Da	ate: <u>6/</u>	16/16	, Tim	e: Start <u>//</u> Finish	<u>3)</u> am/pm am/pm
Site Locat Veather (ion.	70's		<u> </u>		ollector(s):	_CFC	STER		
		DATA: (me		•			(a-b)		Casing Diamo	
		epth	d. Ca	alculated	System V	olume (see i	oack)		• • • • •	
	PURGE D ge Method	ΔΤΑ L	ow	FLOI	\mathcal{N}					
- Tem - pH	eptance C perature Cond.	<u>+ 0.1</u> u	ed (see w -D.C nit - OF - Dr). RP	10% <u>+</u> 10m	V				
c. Fiel	d Testing I	Equipment	used:	DIP	Ke EET TE(H		Model	on Dum P	Serial	Number
Ha Ha	(Liters) ceptance of s required s required ve parame	B . 6 6 B . 6 criteria pass volume bea turbidity be eters stabiliz	(µ 45 4 95 5 67 4 73 4 74 4 74 4 74 4 74 4 74 4 74 4 7	2. Cond. S/cm) 7/3 2004 381 243 245 245 245 245 245 245	000 F DO (mg/L) 2,14 1.54		4.00 <u>Turbidity</u> (NTU) 24.0 24.0 24.0 24.8 32.3 21.16 7.16 7.16 4.39	(ml/min) 250 250 250 250		2 (0) + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 +
	lf no or N	/A - Explain 	below.							
Sample II 156 - M	W-6-2	ECTION: ontainer Typ 0160616 - 2-0160	2 500r	of Conta	ainers	2	Vation Vone		is Req. CRA- EHPI+ NETVAS-S	Time 1235 1235 1235
Commen	is									

Well ID: N	110-7
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Low Flow Ground Water Sample Collection Record PPGI Client: Date: 06 117 116 Time: Start 1110 ampm 60493065 Project No: Finish 1210 am/pm) Site Location: METRO TOWERS Weather Conds: 84°F, Collector(s): SHREE SUNNY RAVI 1. WATER LEVEL DATA: (measured from Top of Casing) a. Total Well Length 14.94 c. Length of Water Column 9.16 (a-b) Casing Diameter/Material 2" b. Water Table Depth 5-78 d. Calculated System Volume (see back) 5-65L 2. WELL PURGE DATA a. Purge Method: Low FLOW WI peri pump b. Acceptance Criteria defined (see workplan) - Temperature 3% -D.O. 10% - pH + 0.1 unit - ORP <u>+</u> 10mV - Sp. Cond. 3% < 0.3' - Drawdown c. Field Testing Equipment used: Make Model Serial Number YSI 60D X L HACH 210129 Volume Time Removed Temp. Spec. Cond. DO pH ORP Turbidity Flow Rate Drawdown Color/Odor (24hr) (Liters) (°C) (µS/cm) (mg/L) (mV)(NTU) (ml/min) (feet) 6-96 94.1 1115 0 19-29 8.00 1-004 6.57 200 6.00 clear no odor 1125 18-69 7.50 0.927 6 S 3.78 6.01 11 1135 2 18-54 0-926 1.43 82 7.45 6-01 3-46 .1 3 0.934 18-43 1145 7.42 is 4103 4+12 6.01 17 0.954 1155 4 18.53 7.42 01.9 6.02 .34 Racios у 5 0.96 1205 18-53 7.41 71 3940 4-54 6.01 и 1210 5-5 18.50 7-41 0.968 66 383.2 4-71 6.01 61 d. Acceptance criteria pass/fail N/A Yes No (continued on back) Has required volume been removed V Has required turbidity been reached Have parameters stabilized If no or N/A - Explain below. tubing Dedicated 3. SAMPLE COLLECTION: Method: Sample ID **Container Type** No. of Containers Preservation Analysis Req. Time 156-MWT-20160617 HNUZ METALS 1210 156- MW7-20160617 X-Cr 1210 156-MW7-20160617 Eh, pH 1210

Comments			
		······································	
Signature	Sten Rame	Date	06/17/2016.

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				Well ID:	mw-8
Low Flow Groun	id Water Sai	mple Colle	ction R	ecord	
Client: PPG- Project No: Site Location: JERSEY SITH - N Weather Conds: 80's, humid	LETRO TOWER	$\frac{6/17/20}{\text{s}}$ $\frac{5}{\text{ctor(s):} - CFos}$		Start Ø [°] Finish	
 WATER LEVEL DATA: (measured from a. Total Well Length c. Length b. Water Table Depth <u>4.35</u> d. Calculation 	th of Water Column	The second	C:	•	eter/Material
a. Purge Method: Low	FLOW		V.	1	5.0
b. Acceptance Criteria defined (see work - Temperature 3% -D.O. - pH <u>+ 0.1</u> unit - ORP - Sp. Cond. 3% - Draw	10% <u>+</u> 10mV	4			
	Make DELT DEPUNE	Model HEZO CEOT	U Ес.н нс.н	Serial I	Number 1565T 470 3120299
Volume Time (24hr) Removed Temp. (Liters) pH Spec. O (μS/ci (μS/ci 092.5) 092.5 1892 7.0.1 34.2 093.5 18.82 6.92 31.2 093.5 18.82 6.92 31.2 0940 19.01 6.87 28.2	$\begin{array}{c} \text{m}) & (\text{mg/L}) \\ \hline 0.4 & 3.39 & -6 \\ \hline 0.6 & 3.37 & -5 \\ \hline 52 & 3.47 & -5 \\ \hline 74 & 3.85 & -7 \\ \hline 78 & 3.71 & -7 \\ \hline 76 & 3.73 & -7 \\ \hline 76 & 3.73 & -7 \\ \hline \end{array}$	60	$\begin{array}{c} Flow Rate \\ Flow Rate \\ (ml/min) \\ \hline TSD \\ \hline 2SD \\ \hline \end{array}$	Drawdown (feet) 5-11 5-09 5-10 5-10 5-10 5-10 5-10 5-10	$\frac{OIDORSGA}{Color/Odor}$ $\frac{Clear/No}{l_l}$
		Preservation	Analysis ne Ma ne E NO3 M	Req. Hato H/PH Letals	Time <u>PA 1005</u> 1005
Comments					
Signature			Date	6/17/	14

Well ID:	M	W-	9
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Low Flow Ground Water Sample Collection Record

1	a. Tota	R LEVEL al Well Le	. DATA: (me ngth_15⋅ <u>2</u>	asured 9 c. L	from Top ength of	o of Casing Water Colu	յ) mn_Գ(29 ft (a-b)		Casing Diam		
			Depth 5.3						5.2L	2	-	1
2		PURGE I ge Metho		flow	usinc	pen-	pump					
		perature	Criteria defin 3% <u>+ 0.1</u> u 3%	ed (see v -D. nit - C		10% <u>+</u> 10m	·					
	c. Fiel	d Testing	Equipment u	used:		ake		Model		Serial	Number	
				Ω.	HA .			600 X 2100		12190	0029970	l.
		Volume						1.500	1			2
	<u>Time</u> (24hr)	Removed (Liters)	<u>d Temp.</u> p (°C)	H <u>Spe</u>	ec. Cond. µS/cm)	DO (mg/L)	<u>ORP</u> (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (teet)	Color/Odor	
Γ	1125	0	17.09 6.5		216	17.35	64.4	6.45	200	5.65	clearIno	70
Ľ	1135	1	16-82 6-1	1 19	- 187	15.63	59.9	5.33	200	5.69	1/]
L	1145	2	16-77 6-2	20 1	122	15-03	60.2	5.96	200	5.71	11.	
L	1155	3	16.T7 6.		198	19.90	62.1	3.62	200	5.74	11	
L	1205	4	16-77 6.		192	37.27	64.4	3.54	200	5.76		
Ŀ	1215	5	16.74 6.	23 1	192	40.39	65.5	4.49	200.	5.75	17	
L	12-25	6							200		1/	
	Ha Ha	s required s required ve param	criteria pass d volume bee d turbidity be eters stabiliz V/A - Explain	en remov en reach ed		Yes No		~`]]			(continued on back)	
3	. Samp		ECTION:	Meth	od: <u>cl</u> e	dicate	d tub	ing				
	Sample II 1 <i>4)9- 1</i>	с с 0 <i>160616</i>	ontainer Typ	e No	of Conta I	ainers	Prese H N	ervation	Analysi	is Req. METALS	Time 1220	
	469-20160616 1					NE	XCR		1220	-		
	MU)9 - 20160616 1				EH, P	· · · · · · · · · · · · · · · · · · ·	1220					
(Commen	ts	~									_
_					<u> </u>							_

Well	ID:	n	W	-10

Site Location: JERSEY CITY NJ	ı/pm ı/pm
Weather Conds: BO's Nomed Sunny Collector(s): CEDSter / S Ravi 1. WATER LEVEL DATA: (measured from Top of Casing) a. Total Well Length 6.60 c. Length of Water Column (a-b) Casing Diameter/Mater b. Water Table Depth 3.01 d. Calculated System Volume (see back) 1" PVC	
a. Purge Method: LOW FLOW	
b. Acceptance Criteria defined (see workplan) - Temperature 3% -D.O. 10% - pH <u>+ 0.1</u> unit - ORP <u>+</u> 10mV - Sp. Cond. 3% - Drawdown < 0.3'	
c. Field Testing Equipment used: Make Model Serial Number	
2100 Q HACIT 131200	
Volume 60 VSF 600 VLM 010095 Time Removed Temp. pH Spec. Cond. DO ORP Turbidity Flow Rate Drawdown Color/O (24hr) (Liters) (°C) (µS/cm) (mg/L) (mV) (NTU) (ml/min) (teet)	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11 11 11 11
d. Acceptance criteria pass/fail Yes No N/A (continued or line of the second of	n back)
3. SAMPLE COLLECTION: Method: LOW FLOW	
Sample ID Container Type No. of Containers Preservation Analysis Req. Time 156-MW10-20160617 500 1 105 1 None VCLA 119 156-MW10-20160617 11 1 None PH/Eh 119 156-MW10-20160617 11 1 HD03 Metals 11	
Comments	
SignatureDateDateDateD	199

e

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acord D E1

Well ID: 56-MW 8A

Project No: Site Location	The second second	19 156 mil	YU	11-21-17 tor: <u>S.P</u> C		ne: Start _/ Finish _/	105 @pm 209 am/6m	
a. Total	R LEVEL DATA: (me I Well Length <u>4.54</u> er Table Depth <u>4.5</u>	4 c. Length o	f Water Column_		NA	Casing Dian	heter/Material	
2. WELL	PURGE DATA		-Bladder					
b. Acce - Tempo - pH - Sp. Co	eptance Criteria defir erature 3% +1.0 u	ned (see workpla -D.O.	n) 10% <u>+</u> 10mV					
	Testing Equipment			Model		muter . 05	Number = 2276 AB 6 - 0412	probe - l
	Volume <u>Removed</u> <u>Temp.</u> p (Liters) (°C)	H Spec. Cond (mS/cm)		RP <u>Turbidity</u>	Flow Rate (ml/min)	Drawdown (teet)	Color	Odor
1105	16 88 6.		2.31 23		300	4.74	clear	none
116	17.43 7.			8.9 25.5	200	4.73	Clear	none
1115		25 3.055	1.24 22	7.1 17.3	200	4.72	clear	none
120	17.817.	34 3.000	0.96 22		200	4.74	clear	nore
125	10.51	36 2.928		1.0 7.24	200	4.7.4	cuar	non
130	18.12 7.	6 2.879	0.89 21	8.8 6.45 6.2 6.28	200	4.74	char	none
d. Acce Has Has Have	eptance criteria pass required volume be required turbidity be e parameters stabiliz If no or N/A - Explain No minimum pur	en removed een reached zed below. rge volume requ	Yes No				(continued on back)	
Sample ID	18A-20171121	Method: Do No. of Cor			Analys			[150 [5]
Comments	pump set	000.01	5F1 bgs	; screen	intri	val 8-	13 ft bg	
	220						Contraction of the	- 199

<u>Time</u> 1140 1145	- Volume	<u>Temp</u> 18.00 18.12	7 31.	28/11	0.79	2140	Turbidit 6.18 6.00 5.41	200	Drawdowr 4.74 4.74	1
OST -> 1209 mpu		10 72	7.35	2.843 2.948	0.83	200.8	3.41	200	4.74	



Well ID: 156-MW8B

Low Flow Ground Water Sample Collection Record

		••••••				-
Client: PPG		Date: 11-2	1-17 Ti	me: Start 1	223 am/pr	D
Project No: 60493065-19					320 am/or	<
Site Location: PPG SITE ISL				1		1
Weather Conds: Slear stud		Collector:	S. Paige			
Butter Study	manan	-	4			
1. WATER LEVEL DATA: (measu	ured from Top of Cas	ing)				
a. Total Well Length <u>25.46</u>	c. Length of Water C	olumn 23,44	(a-b)		neter/Material	
				Zin	ch PVC	
b. Water Table Depth 2.02	d. Calculated System	n Volume (see bad	ck) <u>NA</u>			
a. Purge Method: LOW F	-low - Bladder	r pump				
b. Acceptance Criteria defined	(see workplan)					
- Temperature 3%	-D.O. 10%	, 0				
- pH + 1.0 unit	- ORP <u>+</u> 10	€VmV				
- Sp. Cond. 3%	- Drawdown < 0.	3'				
c. Field Testing Equipment use	d: Make		Model	Serial	Number	
	YS1 650	the construction and the second	MPSonde	Meter-051	F2276AB	probe-6562
Volume	La motte.	2020	owe	1836-04	112	
Time Removed Temp. pH	Spec. Cond. DO	000 7				-
(24hr) (Liters) (°C)	Spec. Cond. DO (mS/cm) (mg/L		(NTU) Flow Rate (NTU) (ml/min)	Drawdown (teet)	Color	Odor
1230 18.16 8.09	12.64 1.93		1.96 200	0.95	Clear	none
1235 18.17 8.18	15.03 0.60	A	3.17 200	04.21	clear	none
1240 18.36 B.35 1245 18.69 8.38	14.11 0.30		1.46 200	5.18	clear	none
12.50 18.66 8.39	13.50 0.02		0.21 150	5.52	char	none
1255 18.79 8.39	13.40 0.04		6.18 150	6.00	Clear	non
1300 18.98 8.39	13.36 0.06		.97 150	6.17	clear	none
 Acceptance criteria pass/fai Has required volume been r 		No N/A			(continued on back)	
Has required turbidity been						
Have parameters stabilized	reached 🔀					
If no or N/A - Explain be						
No minimum purge	volume required for lo	w-flow sampling	·	······		
3. SAMPLE COLLECTION:	Method: Ded I (a)	led Tubin	19		<u> </u>	
Sample ID Container Type	No. of Containers	Preserva	tion Analys	is Rea	Time	
156-MWBB-20171121	3	none/H		EHIPH	1300	
				Whietals		
	- Amarika and a second second					
Comments pump set	at 22.511	bgs; scr	een 20-	25FF		
CCPW mutal	1-Sb; Cr ,1	$V_{I,TI,V}$				
RPalad						-
Signature <u>NParge</u>				<u>_11-21-</u>		
		7	Post sample	Readur	ng:	
		Tem	0-20.25	Flow	- 150	
		DH-	0-20,25 8.37	Draw	down - 7.2	3
		Sourc	ond - 12.12		Inoodor	
		DO-	0 28	CUar	1100000	
		000-	-154.8			
		IV bid	14-3.28			

Well ID:		156-MW8	Α		-	Data		12-21-17		
Client:		PPG	1982			Date: Start Time	(24 HR):	930		
Project Nu	umber:	PPG - Site 1	156, Jersey	City, NJ	_		ne (24 HR):	INHO	in the second	14 A.
Site Locat		60493065-	19		-		Conditions:	Clear SY	us, 32	L•F
Field Pers	onnel:	Stefanie Pa	ige		-	weather	Conditioner	CALLER UT		
Well & W	ater Level Da	ata (Measu	red from To	op of Casing	g)		mator (inch	es).	2-inches	
Well Leng	th (feet):		2-inches		_		ameter (inch	(5).	PVC	2.1
Depth to	Water (feet):		4.52		_	Material:	Suctom Vo	lume (gallons)		
Depth to	Bottom (feet)):	13.51		_	Calculated	a System vo	iune (Bener)		
Length of	Water Colum	nn (feet)	8.99		-	Dumo Dor	th Intake (f	eet below TOC	:)	10.5 ft bgs
Screened	Interval (feet	t bTOC)	8.0-13.0 ft b	TOC		Pump Dep	Juli muake (50.5	in such a	
Field Test	ting Equipme	nt					Serial Nun	hor		
Equipme	nt	Make		Model			Serial Null	<101833, Disp	av:	
Multimet	er.	YSI			20, Display:	650	Sonde: 151	047147		
Turbidim	eter	tamotte -	iach	-2020WE				041141	C. ALTON	
Pump		QED	and the second	MP Bladde	er Pump		Pine #:			1
Water Qu	uality Indicate	or Paramet	ers Stability	Criteria (N	IJDEP FSPM	2005)				
	vel Drawdow		< 0.3 ft		Dissolved	Oxygen	± 10%			
pH			±0.1 unit		ORP		± 10 milliv		then 1 NITLE	
Specific C	Conductance		± 3%		Turbidity		± 10% for	values greater	than 1 NTO	
Temperat	ture		± 3%							
						Purge Met	hod:	low flow (bla	dder pump)	-
	Drawdown		Purge Vol.		Spec. Cond	pH	ORP	DO	Turbidity	Color/
Time			Gallons	°C	μS/cm ²	s.u.	mV	mg/L	NTU	Odor
24 Hr 950	feet 4.63	mL/min 200	0.25	14.44	3.154	7.30	1.00	1.83	20.6	clear/
955	4.63	200	0.50	14.81	3.094	7.32	56.1	0.87	16.3	11 11
1000	4.65	200	0.75	14.87	3.009	7.32	51.4	0.58	8.07	11 11
1005	4.60	200	1.00	15.03	2.939	7.32	49.5	0.44	6.89	11 11
1010	4.67	200	1.25	14.96	2.918	7.31	47.8	0.39	6.51	11 51
1010	4.67	200	1.50	14.89	2.900	7.31	47.8	0.34	6.50	N NI
		200	1.75	14.93	2.899	7.31	44.6	0.33	6.33	11 11
1015	14 108 1							0.00	6.55	11 11
1015	4.68	and a second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.96			and the second s	033	1.30	
1015 1020 1025	4.68	200	2.00	14.96	2.897	7.31	46.5	0.33	6.30	11 11
1015 1020 1025		and a second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.96	2.897	7.31	and the second s	0.33	6.30 3.07	and the second se
1015 1020 1025	4.68	200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2.897	7.31	46.5			and the second se
1015 1020 1025 1037	4.68	200 200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2.897	7.31	46.5			and the second se
(015 (020) 1025 1037	4.68 4.70	200 200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2.897	7.31	46.5	0.50		and the second se
(015 (020) 1025 1037 additional ample Co ample ID	4.68 4.70 I readings on	200 200 page 2)	2.00	14.10 # Container	2.897	7.31	46.5 42.7 direct from	0.50	3.07	and the second se
(015 (020) 1025 1037 additional ample Co ample ID	4.68 4.70	200 200 page 2)	2.00	14.10	2.897	7.31 7.34 Method:	46.5 42.7 direct from	0.50	3.07	1/ 1/ Time (24 hr
(015 (020) 1025 1037 additional ample Co ample ID 56-MW8/	4.68 4.70 I readings on	200 200 page 2)	2.00	14.10 # Container	2.897 2.869	7.31 7.34 Method: Preservation	46.5 42.7 direct from	0.50	3.07	1/ 1/ Time (24 hr 102 5
(015 (020) 1025 1037 additional ample Co ample ID 56-MW84	4.68 4.70 I readings on Ilection	200 200 page 2)	2.00	14.10 # Container 500 ml pol	2.897 2.869 	7.31 7.34 Method: Preservation none	46.5 42.7 direct from	n tubing Analysis Requ Cr6/EH/PH	3.07 ested	11 11 Time (24 hr 102 5 102 5
(015 (020) 1025 1037 additional ample Co ample ID 56-MW84 56-MW84	4.68 4.70 I readings on Ilection	200 200 page 2) 1221 1221 1221	2.00	# Container 500 ml pol	2.897 2.869 	7.31 7.34 Method: Preservation none HNO3	46.5 42.7 direct from ve	n tubing Analysis Requ Cr6/EH/PH	3.07 ested	Time (24 hr 1025 1025 1026
(015 (020) 1025 1037 additional ample Co ample ID 56-MW84 56-MW84	4.68 4.70 I readings on Ilection A-2017 1121 A-2017 1121 A-2017 1121X	200 200 page 2) 1221 1221 1221	2.00	# Container 500 ml pol 500 ml pol	2.897 2.869 	7.31 7.34 Method: Preservativ none HNO3 none	46.5 42.7 direct from ve	0.50 n tubing Analysis Requ Cr6/EH/PH V Metals (Sb, Cr, I Cr6/EH/PH	3.07 ested	11 11 Time (24 hr 102 5 102 5

Well ID:	156-MW8B
Client:	PPG
Project Number:	60493065-19
Site Location:	PPG - Site 156, Jersey City, NJ
Field Personnel:	Stefanie Paige

Well & Water Level Data (Measured from Top of Casing)

Start Time (24 HR): Finish Time (24 HR):	1120	ac 22°E
Weather Conditions:	<u>Clear SEI</u>	
Casing Diameter (inch	es):	2-inches
	/	PVC
Material:	ume (gallons);	
Calculated System Vol	une (ganons).	

12-21-17

Pump Depth Intake (feet below TOC)

22.5 ft bgs

Field Testing Equipment

Well Length (feet):

Depth to Water (feet):

Depth to Bottom (feet):

Length of Water Column (feet)

Screened Interval (feet bTOC)

Equipment	Make	Model	Serial Number
Multimeter	YSI	Sonde: 6920, Display: 650	Sonde: 15K1018 Display:
Turbidimeter	Lamotte Hach	2020WE 2100 Q	160100047147
Pump	QED	MP Bladder Pump	Pine #:

Water Quality Indicator Parameters Stability Criteria (NJDEP FSPM 2005)

2-inches

1.12

25.46

1.34

20.0-25.0 ft bTOC

Water Level Drawdown pH	< 0.3 ft ± 0.1 unit	Dissolved Oxygen ORP	± 10% ± 10 millivolts
Specific Conductance	± 3%	Turbidity	± 10% for values greater than 1 NTU
Temperature	± 3%		

Purge Method:

Date:

low flow (bladder pump)

Water Quality Indicator Parameters Measurements

1	Time	Drawdown		Purge Vol.	Temp.	Spec. Cond.	pН	ORP	DO	Turbidity	Color/	
	24 Hr	feet	mL/min	Gallons	°C	µS/cm ²	s.u.	mV	mg/L	NTU	Odor	
	1135	8.50	250	0.5	15.67	17.09	8.23	-194.3	0.64	10.8	Elear/1	none
	1140	8.68	250	1.0	16.51	17.31	8.17	-206.1	0.20	6.01	11 11	
	1145	8.74	250	1.5	16.39	14.39	8.14	-218.3	0.18	7.22	11 11	
	1150	8.80	250	2.0	14.18	11.64	8.26	-2.20.9	0.16	5.84	11 11	
	1155	8.91	250	2.5	15.51	10.14	8.25	- 183.1	0.14	5.90	11 11	
	1200	9.03	200	2.75	15.45	10.08	8.22	-161.6	0.13	5.72	11 11	
	1205	9.13	200	3.0	15.63	10.05	8.17	-156.4	0.12	5.56	11 11	
	1210	9.20	200	3.25	16.05	10.24	8.11	-151.1	0.12	5.14	11 11	
	1215	9.30	200	3.50	15.98	10.12	8.10	-149.4	0.11	5.01	11 11	
post	1222	9.48	200	4.0	16.29	11.22	7.86	-150.8	0.15	4.37	11 17	
samp												

(additional readings on page 2) Sample Collection		Method: dir	ect from tubing	
Sample ID 1221	# Containers	Preservative	Analysis Requested	Time (24 hr)
156-MW8B-2017 1121	1 500 ml poly	none	Cr6/EH/PH	1215
156-MW8B-2017 1121 1221	1 500 ml poly	HNO3	CCPW Metals (Sb, Cr, Ni, Tl, V)	1215

Maia Signature: