

APPENDIX D-2 DELINEATION INVESTIGATION

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF

SITE: PRG Site 063/065 CONSULTING FIRM: Tetra Tech
 DATE: 2-6-13 FIELD PERSONNEL: TKR
 WEATHER: 30°F Sunny
 MONITOR WELL #: 063 HW01 WELL DEPTH: ~10' SCREENED/OPEN INTERVAL: 5-10' TIC
 WELL PERMIT #: _____ WELL DIAMETER: 2" inches
 PID/FID READINGS (ppm): _____ BACKGROUND: _____ PUMP INTAKE DEPTH: 6.5 ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 3.41 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
9:45	X		11.53	NA	9.80	NA	-235	NA	2.96	NA	25.4	NA	5.18	NA	350	3.70
9:50	X		11.66		9.75		-287		1.66		2.6		4.83		200	3.65
9:55	X		11.70		9.73		-313		1.22		0.0		4.83		210	3.65
10:00	X		11.69		9.73		-353		0.97		0.0		4.69		210	3.65
10:05	X		11.70		9.72		-363		0.93		0.0		4.67		210	3.65
10:10	X		11.70		9.73		-390		0.89		0.0		4.60		210	3.66
10:15	X		11.69		9.75		-404		0.82		0.0		4.60		210	3.80
10:20	X		11.71		9.74		-420		0.78		0.0		4.75		210	3.75
10:25	X		11.72		9.73		-429		0.75		0.0		4.80		210	3.75
10:30	X		11.72		9.72		-431		0.72		0.0		4.78		210	3.75
10:35	X		11.72		9.72		-436		0.71		0.0		4.70		210	3.75

COMMENTS: Collected sample at 1407

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF 1

SITE: 063/065 CONSULTING FIRM: TA
 DATE: 2/6/13 FIELD PERSONNEL: F. Ruggilli
 WEATHER: Cloudy old

MONITOR WELL #: 663 MW2 WELL DEPTH: 12.7 SCREENED/OPEN INTERVAL: 7.12
 WELL PERMIT #: _____ WELL DIAMETER: _____ inches

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 10.5 ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 5.0 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1305	X		6.52	NA	2.54	NA	-121	NA	6.36	NA	42.0	NA	8.72	NA	400	5.55
1310	X		6.76		2.79		-120		3.57		35.0		9.04			6.00
1315	X		6.71		2.81		-127		2.45		25.4		9.13			6.25
1320	X		6.67		2.88		-135		2.40		17.8		9.14			6.30
1325	X		6.64		2.91		-141		2.35		11.7		9.15			6.33
1330	X		6.61		2.92		-148		2.30		4.1		9.12			6.41
1335	X		6.60		2.92		-154		2.28		0.0		9.14			6.44
1340	X		6.61		2.90		-158		2.25		0.0		9.12			6.47
1345	X		6.61		2.89		-161		2.22		0.0		9.08			6.49

Comments: Greyish blue water collect sample @ 1345

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF

SITE: PRG Site 063 CONSULTING FIRM: Tetra Tech
 DATE: 2-6-13 FIELD PERSONNEL: TR
 WEATHER: 38°F, Sunny
 MONITOR WELL # 063-HW03 WELL DEPTH: 13' TC SCREENED/OPEN INTERVAL: 8-13' TC
 WELL PERMIT #: _____ WELL DIAMETER: 2' inches DEPTH TO WATER BEFORE PUMP INSTALLATION: 5-10' bgs

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 10.58 ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 7.45 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1200	X		6.97	NA	4.49	NA	-62	NA	3.75	NA	25.6	NA	9.61	NA	250	8.18
1205	X		6.91		3.96		-69		2.12		1.3		9.24		250	8.43
1210	X		6.88		4.19		-69		1.50		0.0		9.05		250	8.50
1215	X		6.88		4.23		-70		1.44		0.0		9.06		230	8.55
1220	X		6.88		4.35		-73		1.26		0.0		9.05		150	8.50
1225	X		6.88		4.39		-75		1.23		0.0		9.04		150	8.50
1230	X		6.88		4.41		-76		1.20		0.0		9.04		150	8.51
1235	X		6.88		4.43		-77		0.18		0.0		9.05		150	8.51

COMMENTS: Sampled at 1425

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF

SITE: PRG Site 03 CONSULTING FIRM: Tetra Tech
 DATE: 2-8-13 FIELD PERSONNEL: TK
 WEATHER: 30°F, snow/rain, high wind.
 MONITOR WELL #: 063-NW-4 WELL DEPTH: 10' bgs SCREENED/OPEN INTERVAL: 5-10' bgs.
 WELL PERMIT #: _____ WELL DIAMETER: 2" inches
 PID/FID READINGS (ppm): _____ PUMP INTAKE DEPTH: 9.91 ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 9.55 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
850	X		7.07	NA	6.32	NA	-8	NA	1.42	NA	52.3	NA	8.29	NA	100	10.70
855	X		7.11		6.08		-10		1.30		33.4		7.21		100	10.71
900	X		7.11		6.27		-16		1.32		19.8		7.43		100	10.71
905	X		7.11		6.41		-19		1.34		2.0		7.63		100	10.55
910	X		7.10		6.47		-20		1.29		0.0		7.63		100	10.55
915	X		7.10		6.46		-20		1.30		0.0		7.63		100	10.55
920	X		7.11		6.46		-20		1.29		0.0		7.63		100	10.55
925	X		7.11		6.46		-20		1.29		0.0		7.63		100	10.55
930	X		7.11		6.47		-20		1.30		0.0		7.63		100	10.55

COMMENTS: Sampled at 9:35

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF

SITE: RRG Site 03/05 CONSULTING FIRM: Tetra Tech
 DATE: 2-6-13 FIELD PERSONNEL: TR
 WEATHER: 40°F overcast
 MONITOR WELL #: 023-HW05 WELL DEPTH: 7' bgs SCREENED/OPEN INTERVAL: 2-7' bgs
 WELL PERMIT #: _____ WELL DIAMETER: 2" inches

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 5.1 ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 3.5 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1325	X		6.97	NA	20.4	NA	-120	NA	2.37	NA	0.0	NA	7.45	NA	250	4.3
1330	X		6.95		20.5		-130		1.83		0.0		7.62		250	4.65
1335	X		6.94		20.8		-133		1.50		0.0		7.79		100	5.1
1340	X		6.94		21.0		-131		1.32		0.0		7.93		100	5.1
1345	X		6.94		21.0		-128		1.31		0.0		8.06		100	5.1
1350	X		6.93		21.3		-122		1.33		0.0		7.99		100	5.1
1355	X		6.94		21.6		-124		1.34		0.0		7.89		100	5.1
1400	X		6.94		21.5		-121		1.33		0.0		7.90		100	5.1
1405	X															

COMMENTS: Sampled at 1405.
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*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF 1

SITE: ~~063~~ Site 063/605
 DATE: 2/6/13
 WEATHER: Sunny, cold
 CONSULTING FIRM: T+
 FIELD PERSONNEL: F. Romquillo
 MONITOR WELL #: 063_MW00 WELL DEPTH: 10
 WELL DIAMETER: 2 inches
 SCREENED/OPEN INTERVAL: 5-10
 WELL PERMIT #:

BACKGROUND: _____
 BENEATH OUTER CAP: _____
 BENEATH INNER CAP: _____
 PUMP INTAKE DEPTH: 4.00 ft below TOC
 DEPTH TO WATER BEFORE PUMP INSTALLATION: 4.32 ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0947	X		9.73	NA	1050	NA	-178	NA	15.16	NA	-	NA	3.05	NA	400	4.55
0953	X		10.19		1030		-254		6.71		3.02		5.82		400	4.70
0957	X		10.34		1036		-256		10.85		0.0		5.37		400	4.72
1005	X		10.41		10.01		-258		10.89		0.0		5.66		400	4.72
1007	X		10.53		8.54		-275		9.91		0.0		5.70		400	4.74
1013	X		10.60		8.37		-281		9.57		0.0		5.67		400	4.76
1017	X		10.67		8.34		-275		9.82		0.0		5.63		400	4.77
1023	X		10.70		8.30		-280		9.78		0.0		5.63		400	4.80
1027	X		10.74		8.28		-283		9.74		0.0		5.63		400	4.81
1033	X		10.74		8.26		-287		9.70		0.0		5.63		400	4.83

COMMENTS: Collect sample @ 1400

* INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potentials; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF 1

SITE: 063/065
 DATE: 2/6/13
 WEATHER: Sunny cold

CONSULTING FIRM: TF
 FIELD PERSONNEL: F. Ruggilli

MONITOR WELL #: 063-11007 WELL DEPTH: 13
 WELL PERMIT #: _____ WELL DIAMETER: 2 inches

SCREENED/OPEN INTERVAL: 8-13

PID/FID READINGS (ppm): BACKGROUND: _____
 BENEATH OUTER CAP: _____
 BENEATH INNER CAP: _____
 PUMP INTAKE DEPTH: 10.5 ft below TOC
 DEPTH TO WATER BEFORE PUMP INSTALLATION: 4.5 ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1150	X		9.30	NA	3.71	NA	-143	NA	3.04	NA	74.5	NA	9.22	NA	400	5.3
1155	X		9.31		3.67		-200		7.07		79.9		9.96		400	5.8
1200	X		9.32		3.63		-209		5.58		22.4		10.04		400	6.0
1205	X		9.34		3.63		-212		5.11		16.9		9.86		400	6.2
1210	X		9.36		3.61		-224		5.12		0.8		9.90		400	6.25
1215	X		9.37		3.59		-230		5.09		0.0		9.57		400	6.30
1220	X		9.39		3.57		-224		4.98		0.0		9.86		400	6.37
1225	X		9.39		3.54		-227		4.96		0.0		9.81		400	6.38
1230	X		9.40		3.52		-230		4.93		0.0		9.79		400	6.42

COMMENTS: Collect sample @ 11:15

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potentials; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF 1

SITE: Site Obs/ows
 DATE: 2/7/13
 WEATHER: rainy cold

CONSULTING FIRM: TF
 FIELD PERSONNEL: F. Ronguillo

MONITOR WELL #: MW-08 WELL DEPTH: 19
 WELL PERMIT #: _____ WELL DIAMETER: 2 inches

SCREENED/OPEN INTERVAL: 14-19

PID/FID READINGS (ppm): _____ BACKGROUND: _____
 BENEATH OUTER CAP: _____ PUMP INTAKE DEPTH: 17.0 ft below TOC
 BENEATH INNER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 5.80 ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
835			6.64	NA	27.7	NA	-48	NA	11.59	NA	59.1	NA	5.70	NA	200	5.90
840			6.73		28.6		-90		11.20		38.7		8.00			5.90
845			6.67		23.8		-92		11.60		41.2		7.59			5.90
850			6.66		22.4		-91		11.32		29.5		8.00			5.90
855			6.56		21.6		-90		11.27		24.7		7.55			5.90
900			6.52		21.2		-84		11.27		22.0		7.83			5.90
905			6.50		20.8		-87		11.20		21.8		7.80			5.90
910			6.49		20.9		-86		11.18		20.5		7.79			5.90
915			6.45		20.3		-85		11.15		20.1		7.78			5.90

COMMENTS: collected sample @ 915

* INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF

SITE: PRG Site 63
 DATE: 2-8-13
 WEATHER: 32°F snow, rain, high winds
 MONITOR WELL #: 063-MW10 WELL DEPTH: 7' bgs
 WELL PERMIT #: _____ WELL DIAMETER: 2" bgs inches

CONSULTING FIRM: Tetra Tech
 FIELD PERSONNEL: TK

SCREENED/OPEN INTERVAL: 2-7' bgs

PID/FID READINGS (ppm): _____ BACKGROUND: _____
 BENEATH OUTER CAP: _____ PUMP INTAKE DEPTH: 5' ft below TOC bgs
 BENEATH INNER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 3.75 ft below TOC TV

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1035	X		6.82	NA	5.91	NA	-124	NA	1.42	NA	4.05	NA	8.82	NA	150	3.76
1040	X		6.79		6.01		-131		1.42		3.39		6.98		150	3.76
1045	X		6.79		5.99		-134		1.33		1.79		7.18		150	3.76
1050	X		6.79		6.00		-136		1.24		1.36		7.20		150	3.77
1055	X		6.78		6.00		-136		1.19		1.08		7.22		150	3.77
11:00	X		6.79		6.02		-137		1.15		9.52		7.29		150	3.77
11:05	X		6.79		6.02		-138		1.08		9.10		7.35		150	3.77
11:10	X		6.80		6.03		-139		1.08		20.4		7.39		150	3.77
11:15	X		6.79		6.03		-140		1.05		8.2		7.41		150	3.77

COMMENTS: Sampled at 11:30 (Duplicate)

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING
 DATA SHEET

SHEET 1 OF 1

SITE: Site 063/065
 DATE: 2/7/13
 WEATHER: raining cold

CONSULTING FIRM: TF
 FIELD PERSONNEL: F. Ringuillo

MONITOR WELL #: 063 MW-11 WELL DEPTH: 7
 WELL PERMIT #: _____ WELL DIAMETER: 2 inches

SCREENED/OPEN INTERVAL: 4-9

PID/FID READINGS (ppm): BACKGROUND: _____
 BENEATH OUTER CAP: _____ PUMP INTAKE DEPTH: 6.0 ft below TOC
 BENEATH INNER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 3.9 ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
945	Y		11.42	NA	7.52	NA	-337	NA	7.80	NA	—	NA	5.57	NA	375	4.20
950	Y		11.10		351		-106		2.18		—		5.60			4.85
955	Y		11.11		2.67		-97		1.85		876		5.61			5.41
1000	Y		11.08		2.53		-86		1.68		527		5.61			6.16
1005	Y		11.09		2.41		-82		1.60		173		5.62			6.73
1010	Y		11.10		2.35		-75		1.57		138		5.62			7.51
1015	Y		11.09		2.32		-71		1.42		97		5.62			—

COMMENTS: Well dried up - let recharge for 30 min - collect sample @ 1045

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity



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 063 - 065

List all AKAs: _____

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC

2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837

3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201218697

2. Site Well Number as shown on application or plans): 063-MW-8

3. Well Completion Date: 12/19/2012

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): 0

5. Total Depth of Well to the nearest 1/2 foot: 19

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 14

7. Screen Length (or length of open hole) in feet: 5

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'): 14

13. Yield (gallons per minute): 1

14. Development Technique (specify): Submersible Pump

15. Length of Time well is developed/pumped or bailed (hours and minutes): 1



New Jersey Department of Environmental Protection
Site Remediation Program

MONITORING WELL CERTIFICATION FORM A - AS-BUILT
CERTIFICATION

Date Stamp
 (For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Site 063 - 065

List all AKAs: _____

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC

2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837

3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

- | | |
|--|-------------------------|
| 1. Well Permit Number (This number must be permanently affixed to the well casing):... | <u>E201218698</u> |
| 2. Site Well Number as shown on application or plans): | <u>063-MW-10</u> |
| 3. Well Completion Date: | <u>12/19/2012</u> |
| 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): | <u>0</u> |
| 5. Total Depth of Well to the nearest ½ foot: | <u>7</u> |
| 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... | <u>2</u> |
| 7. Screen Length (or length of open hole) in feet: | <u>5</u> |
| 8. Screen or Slot Size: | <u>.010</u> |
| 9. Screen or Slot Material: | <u>PVC</u> |
| 10. Casing Material (PVC, steel, or other – specify): | <u>PVC</u> |
| 11. Casing Diameter (inches): | <u>2</u> |
| 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): | <u>2</u> |
| 13. Yield (gallons per minute): | <u>1</u> |
| 14. Development Technique (specify): | <u>Submersible Pump</u> |
| 15. Length of Time well is developed/pumped or bailed (hours and minutes): | <u>1</u> |



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 063 - 065

List all AKAs: _____

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC

2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837

3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

- | | |
|--|-------------------------|
| 1. Well Permit Number (This number must be permanently affixed to the well casing):.. | <u>E201300216</u> |
| 2. Site Well Number as shown on application or plans): | <u>063-MW-11</u> |
| 3. Well Completion Date: | <u>1/16/2013</u> |
| 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): | <u>0</u> |
| 5. Total Depth of Well to the nearest 1/2 foot: | <u>8</u> |
| 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... | <u>3</u> |
| 7. Screen Length (or length of open hole) in feet: | <u>5</u> |
| 8. Screen or Slot Size: | <u>.020</u> |
| 9. Screen or Slot Material: | <u>PVC</u> |
| 10. Casing Material (PVC, steel, or other – specify): | <u>PVC</u> |
| 11. Casing Diameter (inches): | <u>2</u> |
| 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): | <u>2</u> |
| 13. Yield (gallons per minute): | <u>1</u> |
| 14. Development Technique (specify): | <u>Submersible Pump</u> |
| 15. Length of Time well is developed/pumped or bailed (hours and minutes): | <u>1</u> |



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
 (For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Site 063-065

List all AKAs: _____

Street Address: 1 Burma Road

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

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC

2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837

3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201300216

2. Site Well Number (As shown on application or plans): 063-MW-11

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:
 Longitude: West 74° 04' 00.2" Latitude: North 40° 42' 00.8"

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:
 North 680283 East 612256

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 10.17 (TOP OF PVC)

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.)
 BENCHMARK: NJ12
 NJ INST OF TECH 2 CORS ARP
 ELEV.=164.8' (NAVD 88 DATUM)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: [Signature] Date 2/21/2013

Surveyor's Name: Steven D. Parent License Number: 24GS03626900

Mailing Address 147 Union Avenue - Suite 1C Certification of Authorization #: 24GA28042200

City/Town: Middlesex State New Jersey Zip Code: 08846

Phone Number 732.764.0100 Ext.: _____ Fax: 732.764.0990



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
 (For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Site 063-065
 List all AKAs: _____
 Street Address: 1 Burma Road
 Municipality: City of Jersey City (Township, Borough or City)
 County: Hudson Zip Code: 07305
 Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC
 2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837
 3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201218698
 2. Site Well Number (As shown on application or plans): 063-MW-10
 3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:
 Longitude: West 74° 04' 01.9" Latitude: North 40° 42' 00.1"
 4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:
 North 680212 East 612118
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.92 (TOP OF PVC)
 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.)
 BENCHMARK: NJ12
 NJ INST OF TECH 2 CORS ARP
 ELEV.=164.8' (NAVD 88 DATUM)
 7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: [Signature] Date 2/21/2013
 Surveyor's Name: Steven D. Parent License Number: 24GS03626900
 Mailing Address 147 Union Avenue - Suite 10 Certification of Authorization #: 24GA28042200
 City/Town: Middlesex State New Jersey Zip Code: 08846
 Phone Number 732.764.0100 Ext.: _____ Fax: 732.764.0990



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
 (For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Site 063-065
 List all AKAs: _____
 Street Address: 1 Burma Road
 Municipality: City of Jersey City (Township, Borough or City)
 County: Hudson Zip Code: 07305
 Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner Nisan 12, LLC
 2. Well Location (Street Address) 3001 Woodbridge Ave - Woodbridge, NJ 08837
 3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201218697
 2. Site Well Number (As shown on application or plans): 063-MW-8
 3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:
 Longitude: West 74° 04' 00.3" Latitude: North 40° 42' 01.3"
 4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:
 North 680330 East 612242
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.54 (TOP OF PVC)
 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.)
 BENCHMARK: NJ12
 NJ INST OF TECH 2 CORS ARP
 ELEV.=164.8' (NAVD 88 DATUM)
 7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: _____ Date 2/21/2013
 Surveyor's Name: Steven D. Parent License Number: 24GS03626900
 Mailing Address 147 Union Avenue - Suite 1C Certification of Authorization #: 24GA28042200
 City/Town: Middlesex State New Jersey Zip Code: 08846
 Phone Number 732.764.0100 Ext.: _____ Fax: 732.764.0990

APPENDIX G - CONTOUR MAP REPORTING FORM

This reporting form shall accompany each groundwater contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes.. No.. If yes, attach new "Well Certification--Form B--Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes.. No.. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes.. No.. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes.. No.. Were any of the monitor wells with separate phase product included in the groundwater contour map? Yes... No... If yes, show the formula used to correct the water table elevation.

5. Has the groundwater flow direction changed more than 45 degrees from the previous groundwater contour map? Yes.. No.. If yes, discuss the reasons for the change.

6. Has groundwater mounding and/or depressions been identified in the groundwater contour map? Yes.. No.. Unless the groundwater mounds and/or depressions are caused by the groundwater remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes.. No... If no, justify inclusion of those wells.

8. Were the groundwater contours computer generated..., computer aided..., or hand-drawn...? If computer aided or generated, identify the interpolation method(s) used.