

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
23RI-MW2	S1	E201306868	05/16/13	IA-10	586479.8	729762.7	116.22	PVC	2	PVC Screen	8	2 - 8
53RI-MW2	S1	E201304937	04/22/13	IA-10	586177.8	730190.7	118.16	PVC	2	PVC Screen	10	2 - 10
53RI-MW3	S1	E201304940	04/16/13	IA-10	586113.7	730094.7	118.22	PVC	2	PVC Screen	8.5	2.5 - 8.5
66RI-MW2	S1	E201304925	04/15/13	IA-10	586607.4	730463.7	119.64	PVC	2	PVC Screen	15	5 - 15
66RI-MW3	S1	E201304929	04/17/13	IA-10	586674.7	730380.5	118.90	PVC	2	PVC Screen	8.5	2.5 - 8.5
66RI-MW4	S1	E201304931	04/17/13	IA-10	586648.3	730201.6	118.01	PVC	2	PVC Screen	9.5	2.5 - 9.5
66RI-MW8	S1	E201305783	05/03/13	IA-10	586221.8	730240.4	120.05	PVC	2	PVC Screen	15	5 - 15
131RI-MW1	S1	E201306020	05/07/13	IA-10	586589.3	729807.6	115.37	PVC	2	PVC Screen	9.5	1.5 - 9.5
138RI-MW1	S1	E201306319	05/10/13	IA-10	586421.1	729771.3	114.74	PVC	2	PVC Screen	8	2 - 8
179RI-MW1	S1	E201306285	05/08/13	IA-10	586504.2	730032.2	119.25	PVC	2	PVC Screen	10	2 - 10
186RI-MW1	S1	E201305800	05/03/13	IA-10	586258.9	729977.9	118.73	PVC	2	PVC Screen	10	2 - 10
186RI-MW2	S1	E201305801	04/30/13	IA-10	586382.3	729891.2	118.42	PVC	2	PVC Screen	10	2 - 10
187RI-MW2	S1	E201305798	04/30/13	IA-10	586570.0	729168.4	110.69	PVC	2	PVC Screen	12	2 - 12
187RI-MW3	S1	E201305799	04/29/13	IA-10	586607.1	729070.8	107.94	PVC	2	PVC Screen	14.2	4.2 - 14.2
190RI-MW1	S1	E201305795	05/01/13	IA-10	586510.8	729362.2	111.31	PVC	2	PVC Screen	13.3	3.3 - 13.3
190RI-MW2	S1	E201305796	04/30/13	IA-10	586553.7	729057.6	108.79	PVC	2	PVC Screen	12.3	2.3 - 12.3
ART-MW-4AR	S1	E201501061	03/17/15	IA-02	587099.9	729321.6	117.74	Stainless	4	Stainless Screen	18	3 - 18
ART-MW-5BR	S1	E201501063	03/11/15	IA-02	587106.5	729359.1	117.84	Stainless	4	Stainless Screen	32	27 - 32
ART-MW-6BR	S2	E201501062	03/11/15	IA-02	587088.1	729396.0	118.13	Stainless	4	Stainless Screen	43	28 - 43
CH-17 Port 1	S3	E201119968-1	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	89.5	78.5 - 89.5
CH-17 Port 2	D1	E201119968-2	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	107.5	96.5 - 107.5
CH-17 Port 3	D1	E201119968-3	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	122.5	111.5 - 122.5
CH-17 Port 4	D2	E201119968-4	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	235.5	224.5 - 235.5
CH-17 Port 5	D2	E201119968-5	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	253.5	243.5 - 253.5
CH-17 Port 6	D2	E201119968-6	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	266.5	256.5 - 266.5
CH-17 Port 7	D2	E201119968-7	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	290.5	279.5 - 290.5
CH-17 Port 8	D2	E201119968-8	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	305.5	294.5 - 305.5
CH-17 Port 9	D2	E201119968-9	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	319.5	308.5 - 319.5
CH-17 Port 10	D3	E201119968-10	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	356.5	345.5 - 356.5
CH-17 Port 11	D3	E201119968-11	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	399.5	388.5 - 399.5
CH-17 Port 12	D3	E201119968-12	12/15/11	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	427.5	422.5 - 427.5
DW-1B	S1	E201300236	04/23/13	Off-Site	588850.3	727758.7	106.56	PVC	2	PVC Screen	35	25 - 35
DW-1C	D1	E201300237	04/25/13	Off-Site	588862.5	727774.4	107.08	Steel	2	Stainless Screen	160	150 - 160
DW-1D	D3	E201300238	05/01/13	Off-Site	588845.5	727751.9	106.33	Steel	2	Stainless Screen	450	430 - 450
DW-2B	S3	E201217456	12/06/12	IA-12	588619.2	729154.4	157.15	Steel	2	Stainless Screen	136	126 - 136
DW-2-D1	D1	E201402665	04/08/14	IA-12	588652.0	729143.8	158.71	Steel	2	Stainless Screen	200	175 - 200
DW-2-D2	D2	E201402664	04/08/14	IA-12	588637.5	729123.3	158.75	Steel	2	Stainless Screen	300	275 - 300
DW-2D	D3	E201301091	04/06/13	IA-12	588636.3	729143.6	158.23	Steel	4	Stainless Screen	450	425 - 450

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					East (X)	North (Y)						
DW-3B	S3	E201218158	12/26/12	IA-07	587943.9	728010.4	144.58	Steel	2	Stainless Screen	122	112 - 122
DW-3C	D1	E201302209	02/05/13	IA-07	587931.1	727996.8	144.72	Steel	2	Stainless Screen	226	216 - 226
DW-3-D2	D2	E201402663	06/16/14	IA-07	587954.5	728019.0	144.81	Steel	2	Stainless Screen	300	275.0 - 300
DW-4C	D1	E201306325	07/19/13	Off-Site	587427.1	726800.5	104.14	Steel	2	Stainless Screen	142	117 - 142
DW-4D	D3	E201306324	06/28/13	Off-Site	587414.1	726814.3	104.09	Steel	4	Stainless Screen	450	425 - 450
DW-5B	D1	E201217457	03/06/13	IA-12	588270.6	729433.4	138.14	Steel	2	Stainless Screen	146	136 - 146
DW-5C	D2	E201217460	01/15/13	IA-12	588261.4	729418.2	138.14	Steel	2	Stainless Screen	315	305 - 315
DW-6B	D1	E201218159	01/25/13	IA-07	587806.0	728578.8	118.41	Steel	2	Stainless Screen	115	105 - 115
DW-6C	D2	E201218160	02/18/13	IA-07	587788.9	728575.6	118.25	Steel	2	Stainless Screen	291	281 - 291
DW-6D	D3	E201301046	03/07/13	IA-07	587796.5	728561.5	118.40	Steel	4	Stainless Screen	498	473 - 498
DW-7A	D1	E201411635	10/20/14	Off-Site	588037.5	729994.2	122.81	Steel	2	Stainless Screen	127	112 - 127
DW-7B	D1	E201305678	06/06/13	Off-Site	588047.7	729990.1	123.23	Steel	2	Stainless Screen	180	165 - 180
DW-7C	D2	E201305675	06/06/13	Off-Site	588054.2	729993.3	123.33	Steel	2	Stainless Screen	345	335 - 345
DW-7D	D3	E201305674	05/24/13	Off-Site	588041.5	730001.1	122.83	Steel	4	Stainless Screen	450	425 - 450
DW-8A	D1	E201217453	03/23/13	IA-12	587898.5	729677.7	122.51	Steel	2	Stainless Screen	126	116 - 126
DW-8B	D1	E201217458	03/29/13	IA-12	587883.7	729655.5	122.19	Steel	2	Stainless Screen	192	182 - 192
DW-8C	D2	E201217463	03/27/13	IA-12	587904.2	729649.7	122.68	Steel	2	Stainless Screen	307	297 - 307
DW-8D	D3	E201301089	04/04/13	IA-12	587880.7	729676.2	122.42	Steel	4	Stainless Screen	449	434 - 449
DW-9A	S3	E201217454	05/07/13	IA-03	587693.6	729195.9	121.57	Steel	2	Stainless Screen	95	85 - 95
DW-9B	D1	E201217459	05/15/13	IA-03	587679.3	729192.9	121.58	Steel	2	Stainless Screen	142	132 - 142
DW-9D	D3	E201217461	05/13/13	IA-03	587697.7	729181.6	121.52	Steel	4	Stainless Screen	450	425 - 450
DW-10B	D1	E201218106	01/14/13	IA-11	587173.6	728451.2	104.62	Steel	2	Stainless Screen	127	117 - 127
DW-10C	D2	E201218107	01/15/13	IA-11	587159.8	728460.1	104.76	Steel	2	Stainless Screen	291	281 - 291
DW-11B	D1	E201300242	04/26/13	Off-Site	586764.0	727529.8	103.08	Steel	2	Stainless Screen	100	90 - 100
DW-11D	D3	E201300243	05/02/13	Off-Site	586755.0	727514.7	103.34	Steel	2	Stainless Screen	450	425 - 450
DW-12A	D1	E201300227	02/08/13	IA-04	587042.1	729676.0	120.96	Steel	2	Stainless Screen	134	124 - 134
DW-12B	D1	E201300228	02/07/13	IA-04	587010.2	729663.6	120.73	Steel	2	Stainless Screen	191	181 - 191
DW-12CR	D3	E201412451	11/04/14	IA-04	587021.9	729684.5	121.01	Steel	4	Stainless Screen	520	495 - 520
DW-13A	S3	E201219022	01/10/13	IA-10	586543.1	728799.0	108.25	Steel	2	Stainless Screen	90	80 - 90
DW-13B	D1	E201219023	01/10/13	IA-10	586509.9	728796.1	109.01	Steel	2	Stainless Screen	180	170 - 180
DW-13-D2	D2	E201402656	03/19/14	IA-10	586527.0	728814.0	108.66	Steel	2	Stainless Screen	250	240 - 250
DW-14A	D1	E201300229	04/05/13	IA-10	586485.1	729754.5	116.34	Steel	2	Stainless Screen	180	170 - 180
DW-14B	D2	E201300230	02/26/13	IA-10	586501.0	729725.7	115.70	Steel	2	Stainless Screen	237	227 - 237
DW-14C	D3	E201301074	04/05/13	IA-10	586504.9	729748.3	115.92	Steel	4	Stainless Screen	384	369 - 384
DW-15A	D1	E201300233	02/05/13	IA-10	586501.6	730443.8	121.61	Steel	2	Stainless Screen	183	173 - 183
DW-15C	D3	E201301077	03/29/13	IA-10	586515.6	730464.2	120.82	Steel	4	Stainless Screen	458	448 - 458
DW-16A	D1	E201300231	03/28/13	IA-10	585961.9	729998.8	124.16	Steel	2	Stainless Screen	220	210 - 220
DW-16B	D2	E201300232	04/02/13	IA-10	585937.3	730015.7	125.02	Steel	2	Stainless Screen	302	292 - 302

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					East (X)	North (Y)						
DW-16C	D3	E201301078	04/02/13	IA-10	585932.2	729997.3	125.68	Steel	4	Stainless Screen	448	423 - 448
DW-17C	D1	E201301431	04/26/13	IA-14	588315.2	726940.4	75.26	Steel	2	Stainless Screen	120	110 - 120
DW-17D	D2	E201301432	03/29/13	IA-14	588299.9	726925.6	74.61	Steel	2	Stainless Screen	300	285 - 300
DW-18C	D1	E201308557	08/22/13	Off-Site	589867.8	728458.9	132.01	Steel	2	Stainless Screen	166	151 - 166
DW-18D	D3	E201308559	08/27/13	Off-Site	589860.8	728448.3	131.61	Steel	4	Stainless Screen	450	425 - 450
DW-20D	D4	E201316242	10/02/13	IA-09	587325.2	729133.1	114.06	Steel	4	Stainless Screen	563	538 - 563
DW-21A	D1	E201409432	07/28/14	IA-04	587478.1	729451.3	120.66	Steel	2	Stainless Screen	135	110 - 135
DW-21D	D3	E201316252	10/03/13	IA-04	587485.0	729461.9	121.03	Steel	4	Stainless Screen	451	426 - 451
DW-22D	D4	E201316254	10/11/13	IA-04	587448.9	729610.8	119.87	Steel	4	Stainless Screen	672	647 - 672
DW-23D	D4	E201316255	10/21/13	IA-03	588358.0	728812.4	155.72	Steel	4	Stainless Screen	730	705 - 730
DW-24	D1	E201314457	11/07/13	Off-Site	587288.7	726074.0	132.56	PVC	2	PVC Screen	175	150 - 175
DW-25-D1	D1	E201413490	12/10/14	IA-15	587443.1	727418.0	96.44	Steel	2	Stainless Screen	101	91 - 101
DW-25A	D1	E201402662	04/22/14	IA-15	587411.0	727475.3	96.71	Steel	2	Stainless Screen	140	130 - 140
DW-25B	D2	E201402661	05/08/14	IA-15	587442.0	727409.6	96.45	Steel	2	Stainless Screen	225	200 - 225
DW-25C	D3	E201402660	07/28/14	IA-15	587431.1	727433.7	96.59	Steel	4	Stainless Screen	427	402 - 427
DW-25D	D4	E201318583	03/14/14	IA-15	587436.3	727420.9	96.43	Steel	4	Stainless Screen	565	545 - 565
DW-26	D1	E201318586	12/20/13	IA-06	586994.7	729189.6	114.37	Steel	2	Stainless Screen	170	160 - 170
DW-27A	D1	E201318462	12/16/13	IA-10	586201.2	729545.2	123.81	PVC	2	PVC Screen	161	151 - 161
DW-27B	D2	E201315239	12/20/13	IA-10	586191.3	729550.7	124.12	Steel	2	Stainless Screen	300	275 - 300
DW-27C	D3	E201402655	03/24/14	IA-10	586203.3	729558.8	120.09	Steel	4	Stainless Screen	425	400 - 425
DW-28A	D1	E201402669	04/18/14	IA-12	588599.1	729432.3	149.58	Steel	2	Stainless Screen	189	179 - 189
DW-28B	D2	E201402668	04/04/14	IA-12	588590.5	729432.8	149.20	Steel	2	Stainless Screen	321	306 - 321
DW-29A	D1	E201317984	01/09/14	IA-12	588327.7	729592.1	136.71	Steel	2	Stainless Screen	195	185 - 195
DW-29B	D2	E201315491	01/09/14	IA-12	588339.0	729594.5	137.00	Steel	2	Stainless Screen	300	275 - 300
DW-29C	D3	E201402670	04/16/14	IA-12	588345.8	729581.4	137.86	Steel	4	Stainless Screen	442	432 - 442
DW-30A	D1	E201317979	01/10/14	IA-12	587677.6	730002.2	120.18	Steel	2	Stainless Screen	180	170 - 180
DW-30B	D2	E201315493	01/10/14	IA-12	587688.5	729995.0	120.33	Steel	2	Stainless Screen	260	250 - 260
DW-31A	D1	E201402141	04/16/14	IA-12	587176.4	730300.5	135.92	Steel	2	Stainless Screen	181.5	171.5 - 181.5
DW-31B	D2	E201402152	04/15/14	IA-12	587185.7	730294.7	135.62	Steel	4	Stainless Screen	320	310 - 320
DW-31C	D3	E201402878	04/15/14	IA-12	587198.0	730293.3	135.31	Steel	4	Stainless Screen	440	415 - 440
DW-32A	D1	E201318587	01/10/14	IA-12	586772.9	730479.2	119.93	Steel	2	Stainless Screen	164	154 - 164
DW-32B	D2	E201315585	01/10/14	IA-12	587113.4	729552.0	119.51	Steel	2	Stainless Screen	301	276 - 301
DW-33A	D1	E201401464	02/26/14	IA-10	586343.9	730549.1	122.05	Steel	2	Stainless Screen	160	150 - 160
DW-33B	D2	E201318598	02/26/14	IA-10	586347.9	730558.6	121.95	Steel	2	Stainless Screen	279	269 - 279
DW-33C	D3	E201402654	04/04/14	IA-10	586356.0	730544.6	121.30	Steel	4	Stainless Screen	425	400 - 425
DW-34A	D1	E201318592	01/10/14	Private Road	585637.0	730430.1	153.18	Steel	2	Stainless Screen	205	195 - 205
DW-34B	D2	E201315235	01/02/14	Private Road	585625.2	730437.9	153.57	Steel	2	Stainless Screen	300	275 - 300
DW-35A	D1	E201318666	01/15/14	IA-10	586225.1	730001.8	118.80	Steel	2	Stainless Screen	140	130 - 140

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					East (X)	North (Y)						
DW-35B	D2	E201408039	03/31/14	IA-10	586228.7	729991.1	118.61	Steel	2	Stainless Screen	300	280 - 300
DW-36A	D1	E201402676	05/14/14	IA-03	588545.8	728744.7	160.16	Steel	2	Stainless Screen	200	190 - 200
DW-36B	D2	E201402677	05/15/14	IA-03	588537.6	728750.9	160.61	Steel	2	Stainless Screen	300	290 - 300
DW-37A	D1	E201401598	04/08/14	IA-07	588333.6	728476.1	153.83	Steel	2	Stainless Screen	203	178 - 203
DW-37B	D2	E201400890	03/11/14	IA-07	588325.2	728464.3	153.46	Steel	4	Stainless Screen	300	290 - 300
DW-38A	D1	E201401595	04/23/14	IA-07	588146.0	728209.8	148.97	Steel	2	Stainless Screen	191	166 - 191
DW-38B	D2	E201400995	03/19/14	IA-07	588152.2	728215.4	148.99	Steel	4	Stainless Screen	267	247 - 267
DW-38C	D3	E201407795	07/16/14	IA-07	588155.3	728346.0	151.66	Steel	4	Stainless Screen	550	525 - 550
DW-39A	D1	E201402678	05/22/14	IA-13	587880.1	727554.8	115.30	Steel	2	Stainless Screen	200	190 - 200
DW-39B	D2	E201402679	06/03/14	IA-13	587876.6	727543.6	114.88	Steel	2	Stainless Screen	296	286 - 296
DW-39C	D3	E201402680	07/09/14	IA-13	587873.2	727532.4	114.46	Steel	4	Stainless Screen	496	471 - 496
DW-40A	D1	E201402658	04/16/14	IA-10	586742.6	728573.9	103.88	Steel	2	Stainless Screen	147	137 - 147
DW-40B	D2	E201402657	04/03/14	IA-10	586735.2	728562.6	104.04	Steel	2	Stainless Screen	251	241 - 251
DW-40C	D3	E201410074	03/28/14	IA-10	586753.9	728567.8	104.10	Steel	4	Stainless Screen	400	375 - 400
DW-41C	D3	E201407799	05/09/14	IA-03	587955.3	728937.9	118.76	Steel	4	Stainless Screen	450	425 - 450
DW-42A	D1	E201406724	07/11/14	IA-11	587226.4	728047.1	101.61	PVC	6	PVC Screen	122	102 - 122
DW-43A	D1	E201409151	07/21/14	IA-07	587404.9	728503.5	107.79	Steel	2	Stainless Screen	130	120 - 130
DW-44A	D1	E201411569	09/04/14	IA-06	586734.3	729032.4	113.62	Steel	2	Stainless Screen	145	135 - 145
DW-44B	D2	E201500795	08/28/14	IA-06	586730.4	729041.7	114.36	Steel	2	Stainless Screen	275	250 - 275
DW-44C	D3	E201500796	08/28/14	IA-06	586730.6	729041.9	114.36	Steel	2	Stainless Screen	369	344 - 369
DW-45A	D1	E201409402	08/01/14	IA-07	587503.0	729057.6	114.50	Steel	2	Stainless Screen	145	120 - 145
DW-46A	D1	E201411570	09/19/14	IA-11	587420.2	728118.4	108.27	Steel	2	Stainless Screen	123	113 - 123
DW-47A	D1	E201510850	09/17/15	Offsite	587214.0	727713.8	101.26	PVC	4	PVC Screen	125	115 - 125
DW-49A	D1	E201510511	09/16/15	Offsite	587435.6	727206.8	100.76	PVC	4	PVC Screen	125	115 - 125
DW-50B	D1	E201413975	10/13/14	IA-07	588060.2	728471.0	149.13	Steel	2	Stainless Screen	205	180 - 205
DW-50C	D2	E201413976	10/13/14	IA-07	588060.3	728471.3	148.93	Steel	2	Stainless Screen	305	280 - 305
DW-51A	D1	E201412450	10/07/14	IA-11	587330.9	727797.3	104.05	Steel	2	Stainless Screen	135	125 - 135
DW-52A	D1	E201413312	10/15/14	IA-11	587361.5	727744.7	103.12	Steel	2	Stainless Screen	130	115 - 130
DW-53A	D1	E201412639	10/08/14	IA-13	587481.6	727646.7	106.67	Steel	2	Stainless Screen	140	125 - 140
DW-54A	D1	E201412396	09/29/14	IA-13	587596.9	727617.3	107.27	Steel	2	Stainless Screen	150	130 - 150
DW-55A	D1	E201413491	12/10/14	IA-15	587384.3	727524.5	97.10	Steel	2	Stainless Screen	130	120 - 130
DW-56A	D1	E201412868	12/10/14	IA-07	588140.1	728823.4	145.35	Steel	2	Stainless Screen	240	230 - 240
DW-57A	D1	E201412869	12/10/14	IA-07	588239.8	728763.9	146.89	Steel	2	Stainless Screen	240	220 - 240
DW-58A	D1	E201413476	12/19/14	IA-07	587746.1	728115.0	137.27	Steel	2	Stainless Screen	240	215 - 240
DW-59A	D1	E201413477	12/19/14	IA-07	587820.5	728075.2	140.85	Steel	2	Stainless Screen	240	220 - 240
DW-60A	D1	E201413479	12/04/14	IA-12	588457.3	729515.7	143.73	Steel	2	Stainless Screen	240	215 - 240
DW-61A	D1	E201413480	01/29/15	IA-12	588435.2	729095.5	150.40	Steel	2	Stainless Screen	177	167 - 177
DW-62A	D1	E201500443	03/12/15	IA-07	587750.9	728196.8	128.32	Steel	2	Stainless Screen	145	135 - 145

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
DW-63A	D1	E201500479	04/09/15	IA-13	587415.8	727699.8	102.83	PVC	2	PVC Screen	186	176 - 186
DW-64A	D1	E201500412	02/26/15	Off-Site	588651.2	729610.1	147.79	Steel	2	Stainless Screen	250	235 - 250
DW-65-60-S2	S2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	60	50 - 60
DW-65-66-S2	S2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	66	63 - 66
DW-65-73-S2	S2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	73	69 - 73
DW-65-84-S2	S2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	84	76 - 84
DW-65-91-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	91	87 - 91
DW-65-96-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	96	94 - 96
DW-65-105-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	105	99 - 105
DW-65-119-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	119	108 - 119
DW-65-126-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	126	122 - 126
DW-65-136-S3	S3	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	136	129 - 136
DW-65-145-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	145	139 - 145
DW-65-154-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	154	148 - 154
DW-65-167-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	167	157 - 167
DW-65-176-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	176	170 - 176
DW-65-185-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	185	179 - 185
DW-65-199-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	199	188 - 199
DW-65-211-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	211	202 - 211
DW-65-221-D1	D1	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	221	214 - 221
DW-65-239-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	239	224 - 239
DW-65-249-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	249	242 - 249
DW-65-262-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	262	252 - 262
DW-65-302-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	302	265 - 302
DW-65-331-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	331	305 - 331
DW-65-350-D2	D2	E201610167	12/08/16	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	350	334 - 350
DW-67A	D1	E201509855	10/27/15	IA-01	586834.1	729856.6	120.05	Steel	2	Stainless Screen	218	208 - 218
DW-67B	D2	E201509857	10/27/15	IA-01	586836.9	729861.1	120.00	Steel	2	Stainless Screen	272	262 - 272
DW-68A	D1	E201509856	10/23/15	IA-01	586884.9	729559.9	118.00	Steel	2	Stainless Screen	205	195 - 205
DW-68B	D2	E201509858	10/27/15	IA-01	586889.4	729558.9	118.05	Steel	2	Stainless Screen	287	277 - 287
DW-69-70-S2	S2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	70.3	50.0 - 70.3
DW-69-86-S2	S2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	86.3	73.3 - 86.3
DW-69-104-S3	S3	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	104.3	89.3 - 104.3
DW-69-114-S3	S3	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	114.3	107.3 - 114.3
DW-69-134-S3	S3	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	134.3	117.3 - 134.3
DW-69-142-S3	S3	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	142.3	137.3 - 142.3
DW-69-150-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	150.3	145.3 - 150.3
DW-69-160-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	160.3	153.3 - 160.3

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
DW-69-171-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	171.3	163.3 - 171.3
DW-69-186-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	186.3	174.3 - 186.3
DW-69-195-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	195.3	189.3 - 195.3
DW-69-213-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	213.3	198.3 - 213.3
DW-69-224-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	224.3	216.3 - 224.3
DW-69-234-D1	D1	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	234.3	227.3 - 234.3
DW-69-246-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	246.3	237.3 - 246.3
DW-69-260-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	260.3	249.3 - 260.3
DW-69-270-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	270.3	263.3 - 270.3
DW-69-283-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	283.3	273.3 - 283.3
DW-69-303-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	303.3	286.3 - 303.3
DW-69-375-D2	D2	E201613406	02/02/17	Offsite	586461.1	732127.6	142.35	PVC	1.5	Westbay Port	375.0	306.3 - 375.0
DW-70-53-S2	S2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	53.3	37.5 - 53.3
DW-70-72-S3	S3	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	72.3	56.3 - 72.3
DW-70-83-S3	S3	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	83.3	75.3 - 83.3
DW-70-94-S3	S3	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	94.3	86.3 - 94.3
DW-70-114-S3	S3	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	114.3	97.3 - 114.3
DW-70-123-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	123.3	117.3 - 123.3
DW-70-131-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	131.3	126.3 - 131.3
DW-70-140-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	140.3	134.3 - 140.3
DW-70-150-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	150.3	143.3 - 150.3
DW-70-160-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	160.3	153.3 - 160.3
DW-70-174-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	174.3	163.3 - 174.3
DW-70-189-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	189.3	177.3 - 189.3
DW-70-205-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	205.3	192.3 - 205.3
DW-70-219-D1	D1	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	219.3	208.3 - 219.3
DW-70-231-D2	D2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	231.3	222.3 - 231.3
DW-70-241-D2	D2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	241.3	234.3 - 241.3
DW-70-261-D2	D2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	261.3	244.3 - 261.3
DW-70-285-D2	D2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	285.3	264.3 - 285.3
DW-70-350-D2	D2	E201613409	01/25/17	Offsite	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	350.0	288.3 - 350.0
DW-72-63-S1	S1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	63.3	26.0 - 63.3
DW-72-84-S2	S2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	84.3	66.3 - 84.3
DW-72-99-S2	S2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	99.3	87.3 - 99.3
DW-72-113-S3	S3	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	113.3	102.3 - 113.3
DW-72-120-S3	S3	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	120.3	116.3 - 120.3
DW-72-136-S3	S3	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	136.3	123.3 - 136.3
DW-72-146-S3	S3	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	146.3	139.3 - 146.3

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					East (X)	North (Y)						
DW-72-167-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	167.3	149.3 - 167.3
DW-72-176-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	176.3	170.3 - 176.3
DW-72-202-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	202.3	179.3 - 202.3
DW-72-217-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	217.3	205.3 - 217.3
DW-72-224-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	224.3	220.3 - 224.3
DW-72-237-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	237.3	227.3 - 237.3
DW-72-246-D1	D1	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	246.3	240.3 - 246.3
DW-72-263-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	263.3	249.3 - 263.3
DW-72-276-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	276.3	266.3 - 276.3
DW-72-288-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	288.3	279.3 - 288.3
DW-72-299-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	299.3	291.3 - 299.3
DW-72-316-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	316.3	302.3 - 316.3
DW-72-330-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	330.3	319.3 - 330.3
DW-72-375-D2	D2	E201613407	01/30/17	Offsite	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	376.0	333.3 - 376.0
MW-1	S1	2600011827	11/19/87	IA-01	586830.1	730109.7	119.24	PVC	4	PVC Screen	14.3	4.3 - 14.3
MW-2	S1	2600011828	11/18/87	IA-04	587102.9	729744.2	120.41	Steel	6	Open Hole	30.5	10.5 - 30.5
MW-2B	S2	E201501289	04/14/15	IA-04	587109.0	729740.1	120.55	Steel	6	Open Hole	60	45 - 60
MW-2C	S3	E201501290	04/14/15	IA-04	587115.8	729735.7	120.55	PVC	2	PVC Screen	115	105 - 115
MW-3	S2	2600011829	10/28/87	IA-12	588532.0	728954.2	158.50	Steel	6	Open Hole	79	25 - 79
MW-3C	S3	E201403601	04/29/14	IA-12	588571.0	728967.4	159.06	PVC	2	PVC Screen	135	125 - 135
MW-5	S1	2600011821	11/06/87	IA-06	586642.2	729359.2	113.64	Steel	6	Open Hole	30	13 - 30
MW-6A	S1	2600014983	12/07/88	IA-06	586759.5	728975.5	112.59	PVC	4	PVC Screen	25	15 - 25
MW-7A	S1	2600043991	03/19/96	IA-09	587031.3	728496.4	104.32	PVC	2	PVC Screen	15.5	5.5 - 15.5
MW-7B	S1	2600051884	09/30/98	IA-09	586916.3	728620.2	109.42	PVC	2	PVC Screen	15	5 - 15
MW-7C	S2	2600051885	09/30/98	IA-09	586922.5	728617.4	109.32	PVC	2	PVC Screen	30	15 - 30
MW-8A	S1	2600029852	06/24/92	IA-11	587630.3	728136.2	121.47	Steel	6	Open Hole	33	15 - 33
MW-8B	S2	E201504144	05/15/15	IA-11	587623.4	728132.7	120.78	PVC	2	PVC Screen	55	45 - 55
MW-8C	S3	E201304822	04/17/13	IA-11	587616.1	728129.0	120.30	PVC	2	PVC Screen	80	60 - 80
MW-9A	S1	E201000872	07/20/10	IA-07	587701.2	728544.2	117.95	Steel	6	Open Hole	30	19.5 - 30
MW-10	S1	2600011831	10/27/87	IA-03	588022.7	729045.7	118.46	PVC	4	PVC Screen	14.8	4.8 - 14.8
MW-12	S1	2600011833	11/10/87	IA-03	588120.5	728879.4	145.13	Steel	6	Open Hole	50	15 - 50
MW-13AR	S1	E201501065	03/17/15	IA-02	587037.3	729339.6	116.38	Stainless	4	Stainless Screen	14.3	4.3 - 14.3
MW-14A	S1	2600043992	03/18/96	IA-09	587134.2	729232.4	114.59	PVC	2	PVC Screen	17.5	7.5 - 17.5
MW-15A	S1	2600051888	10/01/98	IA-07	587343.8	728836.9	109.24	PVC	2	PVC Screen	15	5 - 15
MW-15B	S2	2600051889	10/05/98	IA-07	587340.0	728829.9	109.71	Steel	6	Open Hole (3")	30	20 - 30
MW-16	S1	2600012044	11/05/87	IA-01	586785.3	730345.7	120.38	PVC	4	PVC Screen	13.8	3.8 - 13.8
MW-17	S1	2600014984	12/08/88	IA-09	587075.7	729125.5	114.26	PVC	4	PVC Screen	18	8 - 18
MW-18	S1	2600014980	12/08/88	IA-11	587252.2	728417.9	104.30	PVC	4	PVC Screen	19	9 - 19

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-19A	S1	E201000867	04/22/10	IA-07	587874.6	728739.6	118.10	PVC	4	PVC Screen	17	7 - 17
MW-20AR	S1	E201512233	10/20/15	IA-04	587317.8	729931.9	121.21	Steel	6	Open Hole	35	20 - 35
MW-21	S1	2600036929	05/19/94	IA-09	587227.0	729206.7	114.79	PVC	4	PVC Screen	15	5 - 15
MW-22A	S2	2600051883	09/29/98	IA-06	586803.5	728799.5	109.31	Steel	6	Open Hole	45	25 - 45
MW-24	S1	2600036932	05/25/94	IA-12	587875.7	729720.2	122.46	Steel	6	Open Hole	42	22 - 42
MW-24A	S2	E201316581	12/02/13	IA-12	587769.5	729748.1	123.27	PVC	2	PVC Screen	50	30 - 50
MW-24B	S2	E201316436	12/02/13	IA-12	587873.0	729685.2	122.05	PVC	2	PVC Screen	50	30 - 50
MW-24C	S2	E201316485	11/18/13	IA-03	587718.5	729540.5	122.05	PVC	2	PVC Screen	50	30 - 50
MW-25	S1	2600036933	05/27/94	IA-11	587135.2	728402.4	103.75	PVC	4	PVC Screen	13	3 - 13
MW-25C	S3	E201307248	06/04/13	IA-11	587134.8	728393.9	103.70	PVC	2	PVC Screen	80	60 - 80
MW-26A	S2	2600043994	03/21/96	IA-11	587122.6	728387.0	103.48	Steel	6	Open Hole	50	30 - 50
MW-27	S1	2600051886	10/01/98	IA-10	586461.5	729512.2	112.81	PVC	2	PVC Screen	15	5 - 15
MW-27B	S2	E201409380	07/29/14	IA-10	586443.9	729515.0	113.19	PVC	2	PVC Screen	50	40 - 50
MW-27C	S3	E201409381	07/31/14	IA-10	586449.7	729502.5	112.88	PVC	2	PVC Screen	80	70 - 80
MW-28	S1	2600051887	10/01/98	IA-10	586448.0	729455.0	113.07	PVC	2	PVC Screen	15	5 - 15
MW-31	S1	2600053316	05/05/99	IA-10	586509.5	729566.8	113.37	PVC	2	PVC Screen	10	3 - 10
MW-32	S1	2600053317	05/06/99	IA-10	586228.0	729760.0	118.77	PVC	2	PVC Screen	12	2 - 12
MW-33	S1	2600056730	03/08/00	IA-11	587198.4	728032.9	103.69	PVC	2	PVC Screen	23	8 - 23
MW-33A	S1	E201315953	11/12/13	IA-11	587193.0	728032.1	101.91	PVC	2	PVC Screen	17	7 - 17
MW-33B	S1	E201315952	11/13/13	IA-11	587194.6	728028.8	101.99	PVC	2	PVC Screen	25	15 - 25
MW-34	S1	2600053357	04/30/99	IA-03	588359.9	728965.5	149.71	PVC	2	PVC Screen	49.4	29.4 - 49.4
MW-35	S1	2600053353	04/30/99	IA-03	588200.1	728946.2	144.72	PVC	2	PVC Screen	50	30 - 50
MW-36	S1	2600053359	05/03/99	IA-07	588216.2	728776.3	146.67	PVC	2	PVC Screen	50	30 - 50
MW-37	S1	2600053360	04/28/99	IA-03	588192.4	729148.8	134.73	Steel	6	Open Hole	35	20 - 35
MW-38	S1	2600053361	04/20/99	IA-03	587990.5	728907.5	118.65	PVC	2	PVC Screen	6.5	1.5 - 6.5
MW-39-1	S1	2600032778	03/26/93	IA-04	587474.9	729782.6	120.52	PVC	4	PVC Screen	21.2	11.2 - 21.2
MW-39-2A	S1	E201117406	11/16/11	IA-04	587474.7	729728.3	120.04	PVC	2	PVC Screen	21.5	11.5 - 21.5
MW-39A	S1	2600060828	04/11/01	IA-03	587991.3	728901.8	118.81	PVC	2	PVC Screen	18.5	13.5 - 18.5
MW-40A	S2	2600060829	04/11/01	IA-03	587980.3	728897.1	118.45	PVC	2	PVC Screen	39	19 - 39
MW-41	S2	2600053364	04/30/99	IA-03	587974.0	728897.4	118.35	PVC	2	PVC Screen	58.7	38.7 - 58.7
MW-42	S1	2600053354	04/27/99	IA-07	587866.9	728836.0	118.02	PVC	2	PVC Screen	17.2	5.2 - 17.2
MW-43	S1	2600054720	08/18/99	IA-10	586287.5	729302.7	123.77	PVC	2	PVC Screen	24.5	14.5 - 24.5
MW-44	S1	2600054721	08/11/99	IA-10	586150.6	729476.5	126.99	PVC	2	PVC Screen	18.5	8.5 - 18.5
MW-44B	S2	E201304514	04/16/13	IA-10	586157.3	729459.4	126.17	PVC	2	PVC Screen	45	35 - 45
MW-44C	S3	E201302491	04/09/13	IA-10	586139.7	729460.3	128.26	PVC	2	PVC Screen	80	60 - 80
MW-45	S1	2600054722	08/12/99	IA-10	586304.8	729500.8	117.23	PVC	2	PVC Screen	20	10 - 20
MW-46	S1	2600060830	04/12/01	IA-07	587931.0	727976.0	144.55	Steel	6	Open Hole	62	38 - 62
MW-47	S2	2600054724	08/05/99	IA-14	588291.2	726978.0	77.02	PVC	2	PVC Screen	19.5	9.5 - 19.5

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-48	S2	2600054725	08/04/99	IA-14	588197.8	726726.1	68.59	PVC	2	PVC Screen	18	8 - 18
MW-48B	S3	E201304958	04/30/13	IA-14	588197.8	726748.8	68.52	PVC	2	PVC Screen	45	35 - 45
MW-48C	D1	E201304959	04/29/13	IA-14	588180.9	726738.2	68.15	PVC	2	PVC Screen	80	60 - 80
MW-49	S2	2600054726	08/03/99	IA-14	588079.4	726815.0	70.50	PVC	2	PVC Screen	19	9 - 19
MW-50	S2	2600064189	04/15/02	IA-06	586740.6	728992.8	112.75	Steel	6	Open Hole	45	25 - 45
MW-52	S1	2600064191	04/15/02	IA-06	586765.8	729111.8	114.81	Steel	6	Open Hole	30	20 - 30
MW-53	S2	2600079967	08/31/06	IA-06	586753.7	729000.1	112.91	Steel	6	Open Hole	45	25 - 45
MW-54	S3	2600079972	09/21/06	IA-06	586751.3	729001.9	112.92	Steel	6	Open Hole	70	50 - 70
MW-55	S2	2600064217	05/29/02	IA-11	587314.4	727849.2	104.16	Steel	6	Open Hole	26	11 - 26
MW-55B	S2	E201410815	07/17/14	IA-11	587305.7	727846.9	103.53	PVC	6	PVC Screen	55	35 - 55
MW-55C	S3	E201410816	07/16/14	IA-11	587308.8	727842.0	103.85	Steel	6	Open Hole	90	65 - 90
MW-56	S3	2600079973	09/26/06	IA-06	586746.1	728986.8	112.69	Steel	6	Open Hole	70	50 - 70
MW-57	S1	2600064219	05/23/02	IA-15	587368.0	727596.3	98.16	Steel	6	Open Hole	17.5	7.5 - 17.5
MW-58	S1	2600068227	06/25/03	IA-12	586874.8	730500.4	137.12	PVC	2	PVC Screen	36	21 - 36
MW-59	S1	2600068226	06/24/03	IA-12	587450.2	730138.4	127.40	Steel	6	Open Hole	25.5	10.5 - 25.5
MW-60-Z2R	S2	E201415543	12/01/14	IA-12	587955.0	729830.4	122.89	Stainless	2	Stainless Screen	50	30 - 50
MW-60A	S1	E201218100	12/05/12	IA-12	588080.1	729750.3	125.77	PVC	2	PVC Screen	30	15 - 30
MW-60A-S2	S2	E201403230	03/20/14	IA-12	588091.2	729743.8	126.18	PVC	2	PVC Screen	70	60 - 70
MW-60A-S3	S3	E201403231	03/25/14	IA-12	588101.0	729737.3	126.41	PVC	2	PVC Screen	100	90 - 100
MW-60B	S1	E201218101	12/06/12	IA-12	588168.3	729553.9	132.06	PVC	2	PVC Screen	30	15 - 30
MW-60C	S1	E201218102	12/10/12	IA-12	587807.8	729921.0	121.59	PVC	2	PVC Screen	25	10 - 25
MW-60F	S1	E201218544	12/11/12	IA-12	588004.5	729806.0	123.98	PVC	2	PVC Screen	25	10 - 25
MW-60G	S1	E201302320	03/04/13	IA-12	587901.0	729870.8	122.45	PVC	2	PVC Screen	25	10 - 25
MW-60G-S3	S3	E201507554	09/17/15	IA-12	587898.5	729865.2	122.40	PVC	2	PVC Screen	75	55 - 75
MW-60H	S1	E201302317	03/05/13	Off-Site	587916.7	729886.9	122.69	PVC	2	PVC Screen	25	10 - 25
MW-60I	S1	E201302318	03/12/13	Off-Site	587979.6	729844.9	123.28	PVC	2	PVC Screen	25	10 - 25
MW-60J	S1	E201302319	03/15/13	Off-Site	588017.4	729822.2	124.31	PVC	2	PVC Screen	23.8	8.8 - 23.8
MW-60K	S1	E201302315	03/21/13	Off-Site	587819.2	729949.2	122.02	PVC	2	PVC Screen	20	10 - 20
MW-60L	S1	E201302316	03/08/13	Off-Site	587864.6	729915.2	121.81	PVC	2	PVC Screen	25	10 - 25
MW-60M	S1	E201316435	11/18/13	IA-12	587912.2	729820.5	123.54	PVC	2	PVC Screen	25	10 - 25
MW-60N	S1	E201316492	11/18/13	IA-12	587931.4	729852.0	123.15	PVC	2	PVC Screen	25	10 - 25
MW-60R	S1	E201415563	11/24/14	IA-12	587966.1	729831.1	123.13	Stainless	2	Stainless Screen	22	7 - 22
MW-61	S1	2600068293	07/08/03	IA-12	588766.0	729324.1	157.94	Steel	6	Open Hole	41	26 - 41
MW-61B	S2	E201403602	04/25/14	IA-12	588773.2	729310.3	158.65	PVC	2	PVC Screen	95	85 - 95
MW-61C	S3	E201403603	04/24/14	IA-12	588763.6	729312.7	158.08	PVC	2	PVC Screen	150	140 - 150
MW-62	S1	2600074451	04/26/05	IA-11	587205.1	728213.9	101.66	PVC	4	PVC Screen	21	16 - 21
MW-63	S2	2600074505	04/27/05	IA-11	587207.6	728209.1	101.70	PVC	2	PVC Screen	41.5	31.5 - 41.5
MW-64	S1	2600074452	05/12/05	IA-11	587227.7	728169.8	101.93	PVC	4	PVC Screen	13	8 - 13

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-65	S1	2600074453	05/13/05	IA-11	587247.6	728130.1	102.37	PVC	4	PVC Screen	18	8 - 18
MW-66	S1	2600074454	05/11/05	IA-11	587181.8	728160.7	100.52	PVC	2	PVC Screen	12	7 - 12
MW-67	S1	2600074455	05/10/05	IA-11	587218.4	728015.0	102.01	PVC	2	PVC Screen	14	9 - 14
MW-68	S1	2600074456	04/07/05	IA-11	587132.7	728183.8	100.05	PVC	4	PVC Screen	13	11 - 13
MW-69	S1	2600074457	05/18/05	IA-11	587087.7	728274.7	101.64	PVC	4	PVC Screen	18.2	11.1 - 18.2
MW-70-1	S2	2600027257	10/31/91	IA-10	586482.1	729150.0	110.17	Steel	6	Open Hole	35.4	10.5 - 35.4
MW-70-2	S2	2600027258	11/01/91	IA-10	586514.9	729132.9	109.94	Steel	6	Open Hole	30.1	10.5 - 30.1
MW-70-3	S2	2600027259	10/31/91	IA-10	586532.6	729148.4	109.69	Steel	6	Open Hole	31.2	10.5 - 31.2
MW-70C	S3	E201409382	07/29/14	IA-10	586483.2	729167.6	110.51	PVC	2	PVC Screen	85	75 - 85
MW-71	S2	2600074506	04/13/05	IA-11	587130.2	728187.1	99.89	Steel	6	Open Hole	34	24 - 34
MW-71C	S3	E201407242	06/17/14	IA-11	587130.4	728192.8	100.17	PVC	6	PVC Screen	60	40 - 60
MW-72	S1	2600074458	04/12/05	IA-11	587159.5	728117.6	102.62	PVC	4	PVC Screen	20	15 - 20
MW-73	S2	2600074459	05/17/05	IA-11	587244.3	727970.1	101.16	PVC	4	PVC Screen	22	12 - 22
MW-74	S2	2600074507	04/20/05	IA-11	587157.7	728122.5	102.68	Steel	6	Open Hole	40	30 - 40
MW-74C	S3	E201407155	07/16/14	IA-11	587168.0	728124.9	100.00	PVC	6	PVC Screen	60	40 - 60
MW-75	S2	2600074508	05/04/05	IA-11	587202.9	728040.1	100.98	Steel	6	Open Hole	36	26 - 36
MW-75C	S3	E201410817	07/17/14	IA-11	587211.2	728005.6	101.18	PVC	6	PVC Screen	67	37 - 67
MW-80-Z2R	S2	E201415544	12/02/14	IA-12	587898.8	729769.2	122.78	Stainless	2	Stainless Screen	50	30 - 50
MW-80A	S1	E201316486	11/15/13	IA-12	587876.8	729770.0	122.90	PVC	2	PVC Screen	25	10 - 25
MW-80BR	S1	E201415542	12/04/14	IA-12	587917.7	729741.8	122.63	Stainless	2	Stainless Screen	25	10 - 25
MW-80C	S1	E201316488	11/18/13	IA-12	587877.2	729693.3	122.23	PVC	2	PVC Screen	25	10 - 25
MW-94	S1	2600080661	10/10/06	IA-06	586800.8	728812.7	109.69	PVC	2	PVC Screen	17	7 - 17
MW-99	S1	P200804383	12/15/08	IA-11	587331.6	727790.9	103.68	PVC	2	PVC Screen	20	11.5 - 20
MW-99B	S2	E201412448	09/23/14	IA-11	587326.4	727805.4	104.04	PVC	2	PVC Screen	45	35 - 45
MW-99C	S3	E201412449	10/07/14	IA-11	587334.5	727803.3	104.32	PVC	2	PVC Screen	80	70 - 80
MW-100	S1	P200804384	12/17/08	IA-11	587322.1	727785.9	102.47	PVC	2	PVC Screen	13.6	8.6 - 13.6
MW-101	S1	P200804385	01/22/09	IA-11	587311.2	727792.5	101.64	PVC	2	PVC Screen	17	9 - 17
MW-102	S1	P200804386	12/10/08	IA-11	587256.2	727920.5	100.82	PVC	2	PVC Screen	13	8 - 13
MW-103A	S1	P200804387	01/12/09	Off-Site	586910.0	728286.9	99.93	PVC	2	PVC Screen	16	6 - 16
MW-103B	S2	P200804397	02/05/09	Off-Site	586914.6	728279.3	99.52	Steel	6	Open Hole	38	28 - 38
MW-104A	S1	P200804388	01/20/09	Off-Site	587022.3	728115.6	97.13	PVC	2	PVC Screen	13.5	3.5 - 13.5
MW-104B	S2	P200804398	01/20/09	Off-Site	587026.2	728107.8	97.05	Steel	6	Open Hole	34	24 - 34
MW-104C	S3	E201306606	06/03/13	Off-Site	587017.6	728125.7	97.58	PVC	2	PVC Screen	80	60 - 80
MW-105A	S1	P200804389	01/27/09	Off-Site	586769.3	728004.5	99.48	PVC	2	PVC Screen	12	7 - 12
MW-105B	S2	P200804399	02/05/09	Off-Site	586765.0	727997.3	99.63	Steel	6	Open Hole	40	30 - 40
MW-106A	S1	P200804390	01/29/09	Off-Site	587094.4	727971.4	97.08	PVC	2	PVC Screen	13	8 - 13
MW-106B	S2	P200804400	01/26/09	Off-Site	587097.7	727960.4	97.11	Steel	6	Open Hole	34	24 - 34
MW-107	S2	P200804401	02/03/09	Off-Site	587133.4	727711.0	97.82	Steel	6	Open Hole	33	23 - 33

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Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-108A	S1	P200804392	01/20/09	Off-Site	587094.8	727639.8	95.56	PVC	2	PVC Screen	12	7 - 12
MW-108B	S2	P200804402	01/30/09	Off-Site	587100.2	727635.1	95.97	Steel	6	Open Hole	33	23 - 33
MW-109	S1	P200804393	01/15/09	Off-Site	587087.5	728126.1	100.32	PVC	2	PVC Screen	12.3	7.3 - 12.3
MW-111	S1	P200804395	12/11/08	IA-15	587335.2	727622.5	101.16	PVC	2	PVC Screen	17	12 - 17
MW-112	S1	P200804396	12/12/08	IA-15	587421.9	727449.3	96.66	PVC	2	PVC Screen	12	7 - 12
MW-112A	S1	E201412398	09/24/14	IA-15	587436.7	727429.8	96.59	PVC	2	PVC Screen	15	5 - 15
MW-112B	S2	E201308427	06/20/13	IA-15	587415.4	727462.4	96.42	PVC	2	PVC Screen	43	28 - 43
MW-112C	S3	E201413487	10/24/14	IA-15	587430.7	727443.4	96.63	PVC	2	PVC Screen	80	70 - 80
MW-113	S3	P200910159	07/28/09	IA-12	587891.7	729693.2	122.72	Steel	6	Open Hole	80	60 - 80
MW-114A	S1	E201403604	04/28/14	IA-12	588661.5	729164.7	158.71	PVC	2	PVC Screen	75	65 - 75
MW-114	S2	P200910160	08/06/09	IA-12	588646.5	729160.4	158.19	Steel	6	Open Hole	80	60 - 80
MW-115	S2	P200910161	08/20/09	IA-03	588353.2	728921.4	145.74	Steel	6	Open Hole	80	60 - 80
MW-116	S3	P200910162	10/30/09	IA-03	587951.6	728915.1	118.51	Steel	6	Open Hole	80	60 - 80
MW-117	S3	E201311393	10/13/09	IA-09	587296.7	728892.7	109.42	PVC	4	PVC Screen	80	60 - 80
MW-118	S2	P200910151	10/09/09	IA-07	588077.6	728461.2	149.72	Steel	6	Open Hole	80	60 - 80
MW-118C	S3	E201504142	05/14/15	IA-07	588051.1	728479.1	148.87	PVC	2	PVC Screen	125	115 - 125
MW-119	S3	P200910155	10/07/09	IA-11	587224.1	728167.1	101.75	Steel	6	Open Hole	80	60 - 80
MW-120	S2	P200910157	10/27/09	IA-07	587977.7	728039.0	144.94	PVC	4	PVC Screen	80	30 - 80
MW-121	S3	P200910158	09/17/09	IA-13	587690.2	727612.9	113.02	Steel	6	Open Hole	80	60 - 80
MW-122	S2	P200910153	09/15/09	IA-07	588144.5	728328.8	151.43	Steel	6	Open Hole	80	60 - 80
MW-124A	S1	E201308748	06/28/13	IA-15	587673.9	726942.4	90.65	PVC	2	PVC Screen	25	15 - 25
MW-124B	S2	E201000869	07/23/10	IA-15	587683.0	726964.8	91.62	Steel	6	Open Hole	34	24 - 34
MW-124C	S3	E201304824	04/15/13	IA-15	587683.3	726953.2	90.97	PVC	2	PVC Screen	80	60 - 80
MW-125A	S2	E201303085	03/23/13	IA-07	587573.3	728642.9	117.15	Steel	6	Open Hole	33	23 - 33
MW-126	S1	E201012851	10/13/10	IA-10	586853.6	728465.1	103.77	PVC	2	PVC Screen	15	5 - 15
MW-126B	S2	E201405728	05/14/14	IA-10	586845.2	728471.5	103.79	PVC	2	PVC Screen	50	40 - 50
MW-126C	S3	E201405729	05/14/14	IA-10	586847.9	728459.2	103.78	PVC	2	PVC Screen	80	70 - 80
MW-128	S1	E201012849	10/23/10	IA-07	587747.1	728764.5	117.90	PVC	2	PVC Screen	17.5	7.5 - 17.5
MW-128B	S2	E201314890	07/30/13	IA-07	587762.4	728790.9	117.83	PVC	2	PVC Screen	40	30 - 40
MW-128C	S3	E201306927	07/23/13	IA-07	587756.9	728782.4	117.90	PVC	2	PVC Screen	60	50 - 60
MW-130	S1	E201113438	09/15/11	IA-15	587505.3	727533.0	100.34	PVC	2	PVC Screen	17.5	7.5 - 17.5
MW-131	S1	E201113439	08/24/11	IA-14	587994.8	727346.1	101.03	PVC	2	PVC Screen	22.5	12.5 - 22.5
MW-131B	S2	E201403623	05/16/14	IA-14	587986.9	727340.7	100.71	PVC	2	PVC Screen	37	27 - 37
MW-131C	S3	E201403624	04/23/14	IA-14	588002.8	727348.9	101.44	PVC	2	PVC Screen	80	70 - 80
MW-135	S1	E201113441	08/19/11	IA-01	586789.3	729695.9	120.00	Steel	6	Open Hole	17.5	7.5 - 17.5
MW-136	S1	E201113727	09/20/11	IA-01	586898.1	729586.1	118.45	PVC	2	PVC Screen	19	9 - 19
MW-136B	S2	E201416041	03/11/15	IA-01	586911.3	729581.5	118.17	Steel	6	Open Hole	50	40 - 50
MW-136C	S3	E201415879	03/13/15	IA-01	586896.7	729572.2	118.16	PVC	2	PVC Screen	100	90 - 100

**Table 2-1
Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-137	S1	E201113728	09/23/11	IA-02	586971.8	729542.8	118.54	Steel	6	Open Hole	19	12.3 - 19
MW-138	S1	E201115787	11/14/11	IA-11	587583.7	728174.8	116.52	PVC	2	PVC Screen	19.5	14.5 - 19.5
MW-139A	S1	E201611544	09/27/16	IA-07	587530.9	729062.9	114.90	PVC	2	PVC Screen	19.5	9.5 - 19.5
MW-140	S3	E201115793	11/08/11	IA-14	587727.9	727152.1	91.25	Steel	6	Open Hole	80	60 - 80
MW-141	S1	E201113440	09/16/11	IA-13	587574.6	727860.0	109.94	PVC	2	PVC Screen	28	18 - 28
MW-142	S1	E201115790	09/13/11	IA-13	587469.9	727646.4	106.14	PVC	2	PVC Screen	26	16 - 26
MW-142B	S2	E201412637	09/26/14	IA-13	587476.2	727643.2	106.13	PVC	2	PVC Screen	45	35 - 45
MW-142C	S3	E201412638	09/30/14	IA-13	587475.6	727649.8	106.39	PVC	2	PVC Screen	80	70 - 80
MW-143	S1	E201115791	09/07/11	IA-13	587603.9	727606.3	106.76	PVC	2	PVC Screen	26.5	16.5 - 26.5
MW-143B	S2	E201403608	05/12/14	IA-13	587609.5	727618.8	108.07	PVC	2	PVC Screen	50	40 - 50
MW-143C	S3	E201412330	09/23/14	IA-13	587610.6	727609.8	107.11	PVC	2	PVC Screen	85	75 - 85
MW-144A	S1	E201204687	04/17/12	Off-Site	586982.2	727607.2	98.03	PVC	2	PVC Screen	16.4	6.4 - 16.4
MW-144B	S2	E201204690	04/17/12	Off-Site	586982.4	727598.9	97.84	Steel	6	Open Hole	37	27 - 37
MW-145A	S1	E201204688	04/30/12	Off-Site	587435.1	727221.2	101.32	PVC	2	PVC Screen	27.5	17.5 - 27.5
MW-145B	S2	E201204691	05/07/12	Off-Site	587430.1	727216.4	101.23	PVC	2	PVC Screen	37.3	32.3 - 37.3
MW-145C	S3	E201510510	09/18/15	Offsite	587435.9	727216.4	101.17	PVC	4	PVC Screen	90	70 - 90
MW-146A	S1	E201204689	04/24/12	Off-Site	587569.5	726815.5	84.84	Steel	6	Open Hole	27.1	17.1 - 27.1
MW-146B	S2	E201306327	07/17/13	Off-Site	587487.1	726751.9	102.14	PVC	2	PVC Screen	57	42 - 57
MW-146C	S3	E201306326	07/17/13	Off-Site	587466.7	726766.1	103.66	PVC	2	PVC Screen	80	60 - 80
MW-148A	S2	E201207238	05/18/12	IA-14	587897.6	726943.8	87.32	PVC	2	PVC Screen	27.6	17.6 - 27.6
MW-148B	S3	E201207239	05/21/12	IA-14	587907.2	726940.4	86.89	Steel	6	Open Hole	47.8	36.8 - 47.8
MW-149	S3	E201301433	02/15/13	IA-14	588285.0	726910.5	74.14	PVC	2	PVC Screen	80	60 - 80
MW-150	S1	E201303086	03/15/13	IA-03	587936.1	729105.4	121.45	Steel	6	Open Hole	27	17 - 27
MW-152R	S1	E201507724	07/15/15	IA-09	587357.4	729402.4	118.60	PVC	2	PVC Screen	17	7 - 17
MW-152BR	S2	E201510906	09/21/15	IA-09	587345.4	729393.9	118.34	PVC	2	PVC Screen	40	30 - 40
MW-154R	S1	E201507726	07/13/15	IA-09	587427.4	729277.0	117.79	PVC	2	PVC Screen	17	7 - 17
MW-155R	S1	E201507941	07/16/15	IA-06	587036.0	729152.3	114.17	PVC	2	PVC Screen	23	8 - 23
MW-156R	S1	E201507942	07/16/15	IA-06	587027.0	729122.3	113.10	PVC	2	PVC Screen	23	8 - 23
MW-157B	S2	E201415861	01/02/15	IA-06	586738.8	729258.5	113.26	PVC	4	PVC Screen	45	35 - 45
MW-158	S1	E201304357	04/11/13	IA-06	586933.2	729086.2	112.79	PVC	2	PVC Screen	16.5	6.5 - 16.5
MW-158B	S2	E201415862	12/30/14	IA-06	586942.7	729059.3	112.38	PVC	4	PVC Screen	45	35 - 45
MW-159	S1	E201304358	04/13/13	IA-06	586967.7	729037.8	112.04	PVC	2	PVC Screen	21.2	6.2 - 21.2
MW-160	S1	E201304359	04/05/13	IA-06	586865.1	729103.8	112.90	PVC	2	PVC Screen	19.8	9.8 - 19.8
MW-161	S1	E201304360	04/08/13	IA-06	586812.8	729137.6	113.25	PVC	2	PVC Screen	17	7 - 17
MW-162	S1	E201304361	04/03/13	IA-06	586721.9	729181.0	112.92	PVC	2	PVC Screen	19.8	9.8 - 19.8
MW-163	S1	E201304362	04/02/13	IA-06	586687.4	729121.1	113.00	PVC	2	PVC Screen	19.8	4.8 - 19.8
MW-164	S1	E201303821	04/08/13	IA-09	587394.7	729074.2	113.74	PVC	2	PVC Screen	17	7 - 17
MW-165	S1	E201303826	04/05/13	IA-09	587160.9	729273.4	115.37	PVC	2	PVC Screen	17	7 - 17

**Table 2-1
Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-166	S1	E201303828	04/05/13	IA-09	587175.3	729296.3	115.69	PVC	2	PVC Screen	17	7 - 17
MW-170R	S1	E201507725	07/14/15	IA-09	587411.9	729374.6	118.48	PVC	2	PVC Screen	17	7 - 17
MW-170AR	S1	E201510908	09/22/15	IA-09	587402.7	729358.6	118.26	PVC	2	PVC Screen	17	7 - 17
MW-170BR	S2	E201510907	09/18/15	IA-09	587412.1	729358.6	118.33	PVC	2	PVC Screen	40	30 - 40
MW-171A	S1	E201306954	08/16/13	Off-Site	587218.3	727431.3	103.26	PVC	2	PVC Screen	35	25 - 35
MW-171B	S2	E201307651	08/19/13	Off-Site	587222.1	727422.9	103.16	PVC	2	PVC Screen	50	40 - 50
MW-171C	S3	E201307673	08/21/13	Off-Site	587213.7	727441.6	103.44	PVC	2	PVC Screen	80	60 - 80
MW-172	S1	E201306956	05/23/13	IA-11	587694.8	727873.3	136.88	PVC	2	PVC Screen	40	30 - 40
MW-172C	S2	E201308284	07/12/13	IA-11	587723.8	727935.0	138.01	PVC	2	PVC Screen	80	60 - 80
MW-172-S3	S3	E201407697	06/26/14	IA-11	587709.3	727913.3	137.62	PVC	2	PVC Screen	120	100 - 120
MW-173	S1	E201305193	04/17/13	IA-13	587512.2	727805.3	108.47	PVC	2	PVC Screen	25	10 - 25
MW-173C	S3	E201407273	06/17/14	IA-13	587494.2	727781.7	108.01	Steel	6	Open Hole	92	67 - 92
MW-174	S1	E201303564	04/23/13	IA-04	587513.8	729572.8	120.01	Steel	6	Open Hole	38	28 - 38
MW-175	S1	E201303565	04/26/13	IA-04	587587.0	729580.9	119.94	Steel	6	Open Hole	35	25 - 35
MW-178	S1	E201303568	04/30/13	IA-04	587599.0	729711.5	117.49	Steel	6	Open Hole	31	20 - 31
MW-179	S1	E201303569	05/02/13	IA-04	587584.0	729768.1	114.64	Steel	6	Open Hole	25	17 - 25
MW-180	S1	E201303570	04/02/13	IA-04	587495.2	729861.4	121.47	Steel	6	Open Hole	34	24 - 34
MW-181	S2	E201303571	04/16/13	IA-04	587379.4	729650.5	119.57	Steel	6	Open Hole	40	30 - 40
MW-182	S1	E201303572	04/12/13	IA-04	587294.6	729889.0	121.32	Steel	6	Open Hole	26	16 - 26
MW-183AR	S1	E201512234	10/19/15	IA-04	587432.1	729899.0	121.11	Steel	6	Open Hole	30	20 - 30
MW-184	S1	E201303574	04/05/13	IA-04	587366.7	729956.6	121.43	Steel	6	Open Hole	26	16 - 26
MW-185AR	S1	E201512232	10/20/15	IA-04	587314.5	729972.6	120.93	Steel	6	Open Hole	30	20 - 30
MW-186-2	S2	E201306228	05/13/13	IA-02	587069.3	729359.3	117.10	Steel	6	Open Hole	38	28 - 38
MW-186B	S3	E201304325	05/07/13	IA-02	587072.5	729353.1	117.09	Steel	6	Stainless Screen	80	70 - 80
MW-187	S1	E201303408	03/22/13	IA-03	587506.0	729142.5	117.00	PVC	2	PVC Screen	18	4 - 18
MW-188	S1	E201303409	03/29/13	IA-03	587783.2	729087.5	121.41	Steel	6	Open Hole	39.8	29.8 - 39.8
MW-189A	S1	E201303410	03/19/13	IA-03	588020.2	728975.0	119.35	PVC	2	PVC Screen	14	4 - 14
MW-189B	S2	E201303411	03/26/13	IA-03	588012.6	728963.6	119.39	Steel	6	Open Hole	37	27 - 37
MW-190A	S1	E201303412	03/21/13	IA-03	588051.2	728989.2	120.50	PVC	2	PVC Screen	17.5	5.5 - 17.5
MW-190B	S2	E201303413	03/26/13	IA-03	588093.8	728963.3	120.76	Steel	6	Open Hole	43	23 - 43
MW-191A	S1	E201303414	03/19/13	IA-03	588066.8	729040.9	119.78	PVC	2	PVC Screen	14.5	4.5 - 14.5
MW-191B	S2	E201303415	03/26/13	IA-03	588062.2	729031.8	119.83	Steel	6	Open Hole	47	27 - 47
MW-192	S1	E201218665	12/14/12	IA-07	587327.6	728871.8	110.08	PVC	2	PVC Screen	18	8 - 18
MW-193	S1	E201218663	12/18/12	IA-07	587412.5	729006.0	113.32	PVC	2	PVC Screen	17	7 - 17
MW-194	S1	E201218664	12/18/12	IA-07	587455.4	729073.9	114.12	PVC	2	PVC Screen	18	8 - 18
MW-196	S1	E201218603	12/13/12	IA-07	587818.9	728552.7	118.73	PVC	2	PVC Screen	23	13 - 23
MW-197	S1	E201218604	12/12/12	IA-07	587793.3	728548.1	118.44	PVC	2	PVC Screen	23	13 - 23
MW-199	S1	E201218831	12/19/12	IA-07	587765.9	728548.3	118.75	PVC	2	PVC Screen	22	12 - 22

**Table 2-1
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-200	S1	E201303563	04/18/13	IA-04	587278.2	729679.5	120.58	Steel	6	Open Hole	26	16 - 26
MW-201	S1	E201303451	03/21/13	Off-Site	588019.4	730009.0	122.79	PVC	2	PVC Screen	37	27 - 37
MW-201A	S1	E201306049	05/02/13	Off-Site	588021.3	730011.2	122.69	PVC	2	PVC Screen	25	10 - 25
MW-201B	S2	E201411640	10/16/14	Off-Site	588034.0	730005.5	122.48	PVC	2	PVC Screen	50	40 - 50
MW-201C	S3	E201411639	10/17/14	Off-Site	588029.9	729998.7	122.48	PVC	2	PVC Screen	96	86 - 96
MW-202	S1	E201303452	03/22/13	Off-Site	588061.1	729979.1	123.39	PVC	2	PVC Screen	25	10 - 25
MW-203	S1	E201303453	03/22/13	Off-Site	588184.6	729913.2	125.93	PVC	2	PVC Screen	25	10 - 25
MW-204B	S2	E201309685	07/24/13	IA-07	587536.4	728567.0	108.18	PVC	2	PVC Screen	39	29 - 39
MW-204C	S3	E201304823	07/23/13	IA-07	587527.3	728571.9	108.11	PVC	2	PVC Screen	70	50 - 70
MW-205	S1	E201305232	04/22/13	IA-10	586591.6	728745.6	107.19	PVC	2	PVC Screen	14	4 - 14
MW-206B	S2	E201304512	04/15/13	IA-10	586092.4	729862.6	120.59	PVC	2	PVC Screen	50	40 - 50
MW-206C	S3	E201302486	04/10/13	IA-10	586105.2	729854.0	120.23	PVC	2	PVC Screen	80	60 - 80
MW-207A	S1	E201304515	05/08/13	IA-10	586307.3	728999.2	113.92	PVC	2	PVC Screen	15	5 - 15
MW-207B	S2	E201304516	04/17/13	IA-10	586304.4	729020.2	114.11	PVC	2	PVC Screen	48	38 - 48
MW-207C	S3	E201302495	04/09/13	IA-10	586294.2	729009.1	114.16	PVC	2	PVC Screen	80	60 - 80
MW-208A	S1	E201304518	04/16/13	IA-10	586507.8	728650.3	110.56	PVC	2	PVC Screen	15	4 - 14
MW-208B	S2	E201304519	04/18/13	IA-10	586509.1	728672.0	110.16	PVC	2	PVC Screen	45	35 - 45
MW-208C	S3	E201302497	04/09/13	IA-10	586495.9	728660.1	110.92	PVC	2	PVC Screen	80	60 - 80
MW-209A	S1	E201306459	05/16/13	Off-Site	586675.7	728173.8	102.84	PVC	2	PVC Screen	18	8 - 18
MW-209B	S2	E201306460	05/20/13	Off-Site	586684.4	728175.0	102.77	PVC	2	PVC Screen	40	30 - 40
MW-209C	S3	E201306461	05/16/13	Off-Site	586731.5	728172.9	102.77	PVC	2	PVC Screen	80	60 - 80
MW-210	S1	E201305233	04/19/13	IA-10	586364.9	729146.0	113.92	PVC	2	PVC Screen	15	5 - 15
MW-211C	S3	E201308508	06/14/13	IA-12	587839.2	729795.9	123.01	PVC	2	PVC Screen	85	70 - 85
MW-212C	S3	E201308786	05/31/13	IA-07	587487.3	729067.6	114.60	PVC	2	PVC Screen	80	60 - 80
MW-213B	S1	E201311462	08/23/13	Off-Site	585877.0	728882.6	148.46	PVC	2	PVC Screen	50	40 - 50
MW-213C	S2	E201311466	08/27/13	Off-Site	585866.1	728866.5	148.71	PVC	2	PVC Screen	80	60 - 80
MW-214A	S1	E201311468	09/05/13	Off-Site	586290.3	728476.3	121.74	PVC	2	PVC Screen	25	20 - 25
MW-214B	S2	E201312148	08/22/13	Off-Site	586293.1	728487.5	121.45	PVC	2	PVC Screen	50	40 - 50
MW-214C	S3	E201311480	09/04/13	Off-Site	586284.7	728469.5	121.87	PVC	2	PVC Screen	80	60 - 80
MW-215C	S3	E201311204	08/15/13	Off-Site	586748.1	727501.6	103.44	PVC	2	PVC Screen	80	60 - 80
MW-216C	S3	E201311207	08/13/13	Off-Site	587128.2	727023.6	107.80	PVC	2	PVC Screen	80	60 - 80
MW-217BR	S2	E201510905	09/18/15	IA-09	587434.4	729397.7	119.07	PVC	2	PVC Screen	42	32 - 42
MW-218	S1	E201309945	07/27/13	IA-07	587396.2	728492.8	107.70	PVC	2	PVC Screen	18	5 - 18
MW-218B	S2	E201316871	11/12/13	IA-07	587387.6	728489.4	107.69	PVC	2	PVC Screen	50	40 - 50
MW-218C	S3	E201316872	11/13/13	IA-07	587396.9	728483.0	107.75	PVC	2	PVC Screen	80	70 - 80
MW-219	S1	E201309448	07/10/13	IA-11	587295.5	728331.8	104.16	PVC	2	PVC Screen	20	5 - 20
MW-220	S1	E201308747	06/26/13	IA-15	587478.5	727334.0	96.32	PVC	2	PVC Screen	12	2 - 12
MW-221B	S2	E201406105	06/10/14	IA-15	587552.2	727490.3	99.33	PVC	2	PVC Screen	28	18 - 28

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Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-221C	S3	E201308424	06/13/13	IA-15	587523.7	727537.2	100.17	PVC	2	PVC Screen	80	60 - 80
MW-222	S3	E201313503	09/20/13	Off-Site	588022.0	726107.5	81.99	PVC	2	PVC Screen	80	70 - 80
MW-222C	D2	E201311482	09/20/13	Off-Site	588002.6	726102.6	83.50	PVC	2	PVC Screen	257	247 - 257
MW-223B	S2	E201313822	09/26/13	IA-10	586194.3	730193.2	116.47	PVC	2	PVC Screen	45	35 - 45
MW-223C	S3	E201308432	06/12/13	IA-10	586197.7	730182.4	116.25	PVC	2	PVC Screen	80	60 - 80
MW-224B	S2	E201306922	07/18/13	IA-12	587889.6	729880.0	122.42	PVC	2	PVC Screen	40	27 - 40
MW-225A	S1	E201506927	09/17/15	IA-03	587778.3	729586.9	121.72	PVC	2	PVC Screen	25	15 - 25
MW-225B	S2	E201310884	08/05/13	IA-03	587772.8	729578.2	122.15	PVC	2	PVC Screen	40	30 - 40
MW-225C	S3	E201308280	07/30/13	IA-03	587781.0	729594.9	121.39	PVC	2	PVC Screen	80	60 - 80
MW-226A	S1	E201312045	08/22/13	IA-02	586765.4	730470.2	119.80	PVC	2	PVC Screen	15	5 - 15
MW-226B	S2	E201312046	08/22/13	IA-02	587113.4	729552.0	119.51	PVC	2	PVC Screen	45	35 - 45
MW-226C	S3	E201310696	08/06/13	IA-02	587122.0	729545.4	119.35	PVC	2	PVC Screen	80	60 - 80
MW-227A	S1	E201314571	10/08/13	IA-11	587433.1	728128.1	109.44	PVC	2	PVC Screen	24.5	14.5 - 24.5
MW-227B	S2	E201310697	09/04/13	IA-11	587425.3	728135.1	109.27	PVC	2	PVC Screen	52	42 - 52
MW-227C	S3	E201316258	10/09/13	IA-11	587439.3	728123.3	109.77	PVC	2	PVC Screen	80	70 - 80
MW-228B	S2	E201312278	09/18/13	IA-03	587951.2	729223.5	121.42	PVC	2	PVC Screen	45	35 - 45
MW-228C	S3	E201310702	08/06/13	IA-03	587962.5	729216.7	121.37	PVC	2	PVC Screen	80	60 - 80
MW-229A	S1	E201312140	08/12/13	IA-10	586100.4	730374.9	127.19	PVC	2	PVC Screen	13	3 - 13
MW-229B	S2	E201310971	08/14/13	IA-10	586090.3	730371.7	127.49	PVC	2	PVC Screen	50	40 - 50
MW-229C	S3	E201316183	08/06/13	IA-10	586103.2	730363.3	126.96	PVC	2	PVC Screen	80	60 - 80
MW-230B	S2	E201310972	08/13/13	IA-10	586566.2	730470.7	120.25	PVC	2	PVC Screen	50	40 - 50
MW-230C	S3	E201315813	08/09/13	IA-10	586549.3	730479.7	120.07	PVC	2	PVC Screen	80	60 - 80
MW-231B	S2	E201310941	08/09/13	IA-12	587541.2	730073.1	119.95	PVC	2	PVC Screen	45	35 - 45
MW-231C	S3	E201316280	09/04/13	IA-12	587552.4	730069.3	120.58	PVC	2	PVC Screen	70	60 - 70
MW-232B	S1	E201310944	08/13/13	IA-12	588227.3	729655.3	132.36	PVC	2	PVC Screen	50	40 - 50
MW-232C	S2	E201315818	08/09/13	IA-12	588241.6	729650.4	133.19	PVC	2	PVC Screen	80	70 - 80
MW-233C	S3	E201306923	07/26/13	IA-12	587886.4	729794.2	123.37	PVC	2	PVC Screen	70	50 - 70
MW-235	S1	E201310946	09/21/13	IA-04	587338.1	729853.9	121.19	PVC	2	PVC Screen	25	20 - 25
MW-236B	S2	E201312196	09/10/13	Off-Site	586507.2	727770.2	109.61	PVC	2	PVC Screen	40	30 - 40
MW-236C	S3	E201312197	09/17/13	Off-Site	586501.7	727773.7	110.07	PVC	2	PVC Screen	57	47 - 57
MW-237A	S1	E201311727	08/19/13	IA-12	587192.0	730306.0	135.43	Steel	6	Open Hole	30	20 - 30
MW-237B	S2	E201311726	04/18/14	IA-12	587191.8	730315.4	135.81	PVC	2	PVC Screen	77	67 - 77
MW-237C	S3	E201315220	12/31/13	IA-12	587182.9	730310.7	135.96	PVC	2	PVC Screen	120	110 - 120
MW-238B	S2	E201315054	10/11/13	IA-07	587199.9	728582.6	109.27	PVC	2	PVC Screen	50	40 - 50
MW-238C	S3	E201312547	09/12/13	IA-07	587190.8	728587.6	108.61	PVC	2	PVC Screen	80	70 - 80
MW-239	S1	E201315998	11/25/13	IA-03	587731.1	729510.9	120.84	PVC	2	PVC Screen	20.5	10.5 - 20.5
MW-239C	S3	E201506928	07/20/15	IA-03	587709.3	729526.9	121.61	PVC	2	PVC Screen	75	55 - 75
MW-240BR	S2	E201406427	04/21/14	IA-02	587107.5	729422.0	118.89	Stainless	2	Stainless Screen	51.1	31.1 - 51.1

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-241B	S2	E201401690	04/21/14	IA-02	587128.4	729375.7	118.45	Stainless	2	Stainless Screen	50.8	30.8 - 50.8
MW-242	S1	E201315995	11/06/13	IA-11	587089.7	728363.3	103.31	PVC	2	PVC Screen	19	9 - 19
MW-243A	S1	E201401691	04/17/14	IA-02	587130.0	729293.9	114.91	Stainless	2	Stainless Screen	19	9 - 19
MW-243B	S2	E201401692	04/22/14	IA-02	587132.3	729297.6	114.99	Stainless	2	Stainless Screen	51.5	31.5 - 51.5
MW-244B	S2	E201404218	04/22/14	IA-06	587041.0	729295.7	115.75	Stainless	2	Stainless Screen	50	30 - 50
MW-246B	S2	E201401694	04/21/14	IA-02	587048.9	729394.2	117.83	Stainless	2	Stainless Screen	51.1	31.1 - 51.1
MW-247A	S1	E201403935	04/23/14	IA-09	587467.2	729229.5	117.39	PVC	2	PVC Screen	25	10 - 25
MW-248A	S1	E201403922	04/15/14	IA-07	587223.7	728656.1	109.14	PVC	2	PVC Screen	25	10 - 25
MW-249A	S1	E201403942	04/16/14	IA-07	587403.6	728643.4	107.93	PVC	2	PVC Screen	25	10 - 25
MW-250B	S2	E201316180	09/20/13	IA-12	587766.5	729844.5	121.63	PVC	2	PVC Screen	50	40 - 50
MW-251B	S2	E201313819	09/25/13	IA-06	586923.8	729371.0	116.16	PVC	2	PVC Screen	50	40 - 50
MW-251C	S3	E201316077	09/20/13	IA-06	586918.9	729363.3	116.04	PVC	2	PVC Screen	80	70 - 80
MW-252B	S2	E201316263	09/27/13	IA-09	587190.2	729221.2	114.75	PVC	2	PVC Screen	50	40 - 50
MW-252C	S3	E201316071	09/20/13	IA-09	587183.1	729225.1	114.88	PVC	2	PVC Screen	80	60 - 80
MW-253A	S1	E201403936	04/21/14	IA-07	587454.2	728923.7	112.50	PVC	2	PVC Screen	25	10 - 25
MW-253B	S2	E201316269	09/30/13	IA-07	587463.7	728966.5	113.04	PVC	2	PVC Screen	50	40 - 50
MW-253C	S3	E201316270	09/25/13	IA-07	587456.6	728954.7	112.95	PVC	2	PVC Screen	80	60 - 80
MW-254B	S1	E201314609	10/16/13	IA-01	586929.2	730119.7	120.85	Steel	6	Open Hole	30.4	20.4 - 30.4
MW-255B	S1	E201314610	10/21/13	IA-01	586927.3	729945.1	120.51	Steel	6	Open Hole	30.1	20.1 - 30.1
MW-256B	S1	E201314611	10/16/13	IA-01	587020.4	729907.9	121.63	Steel	6	Open Hole	29.5	20.5 - 29.5
MW-257A	S1	E201316278	10/16/13	Off-Site	587160.1	727293.4	101.16	PVC	2	PVC Screen	25	15 - 25
MW-257B	S2	E201316279	10/02/13	Off-Site	587166.7	727291.4	101.19	PVC	2	PVC Screen	50	40 - 50
MW-258B	S2	E201315392	10/29/13	Off-Site	587280.1	726060.1	132.71	PVC	2	PVC Screen	84	59 - 84
MW-258C	S3	E201314458	10/29/13	Off-Site	587287.2	726067.9	132.76	PVC	2	PVC Screen	130	105 - 130
MW-259A	S1	E201315227	10/17/13	IA-10	586239.9	729874.1	117.43	PVC	2	PVC Screen	11.5	1.5 - 11.5
MW-259B	S2	E201318463	12/18/13	IA-10	586246.7	729860.1	117.26	PVC	2	PVC Screen	45	35 - 45
MW-259C	S3	E201315587	01/15/14	IA-10	586236.7	729859.0	117.15	PVC	2	PVC Screen	112	102 - 112
MW-260C	S2	E201310429	09/20/13	IA-03	588578.3	728709.4	157.28	PVC	2	PVC Screen	80	60 - 80
MW-260-S3	S3	E201403642	04/18/14	IA-03	588555.8	728737.5	159.19	PVC	2	PVC Screen	135	120 - 135
MW-263B	S2	E201317369	11/21/13	IA-12	587924.0	729822.5	123.45	Steel	6	Open Hole (4")	50	30 - 50
MW-264B	S2	E201318584	12/13/13	IA-06	586995.6	729183.4	114.31	PVC	2	PVC Screen	50.5	40.5 - 50.5
MW-264C	S3	E201318585	12/10/13	IA-06	587001.3	729185.1	114.54	PVC	2	PVC Screen	100	80 - 100
MW-265B	S2	E201318473	01/10/14	IA-12	587679.7	729994.0	120.22	PVC	2	PVC Screen	50	40 - 50
MW-265C	S3	E201403229	04/15/14	IA-12	587665.6	730002.1	120.33	PVC	2	PVC Screen	100	90 - 100
MW-266A	S1	E201318470	12/31/13	IA-12	586772.7	730469.5	119.80	PVC	2	PVC Screen	38	28 - 38
MW-266B	S2	E201318471	12/27/13	IA-12	586763.8	730461.0	119.90	PVC	2	PVC Screen	70	60 - 70
MW-266C	S3	E201318472	12/27/13	IA-12	586771.3	730459.4	119.89	PVC	2	PVC Screen	95	85 - 95
MW-267A	S1	E201400817	12/20/13	Private Road	585617.3	730443.2	153.87	PVC	2	PVC Screen	56	46 - 56

**Table 2-1
Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-267B	S2	E201318590	01/13/14	Private Road	585661.4	730413.3	152.49	PVC	2	PVC Screen	105	95 - 105
MW-267C	S3	E201318591	01/08/14	Private Road	585649.2	730421.7	152.87	PVC	2	PVC Screen	141	131 - 141
MW-268B	S2	E201318649	12/16/13	IA-10	586238.2	729992.6	118.68	PVC	2	PVC Screen	49	39 - 49
MW-268C	S3	E201318664	01/15/14	IA-10	586244.4	730001.0	119.22	PVC	2	PVC Screen	83	73 - 83
MW-269A	S1	E201401593	04/03/14	IA-07	588163.3	728226.0	149.26	PVC	2	PVC Screen	57	47 - 57
MW-269C	S3	E201401594	04/07/14	IA-07	588157.6	728220.5	149.03	PVC	2	PVC Screen	125	115 - 125
MW-270A	S1	E201401596	03/26/14	IA-07	588348.5	728502.6	154.79	PVC	2	PVC Screen	62	52 - 62
MW-270C	S3	E201401597	03/28/14	IA-07	588341.1	728489.2	154.27	PVC	2	PVC Screen	130	120 - 130
MW-271A	S1	E201404694	05/06/14	IA-12	588622.5	729418.0	150.96	PVC	2	PVC Screen	60	50 - 60
MW-271B	S2	E201404618	05/06/14	IA-12	588609.8	729420.1	150.29	PVC	2	PVC Screen	95	85 - 95
MW-271C	S3	E201404615	05/05/14	IA-12	588618.4	729404.8	151.06	PVC	2	PVC Screen	135	125 - 135
MW-272A	S1	E201401599	02/25/14	IA-12	588327.0	729602.1	136.77	PVC	2	PVC Screen	49	39 - 49
MW-272B	S2	E201401600	03/21/14	IA-12	588317.2	729608.1	136.32	PVC	2	PVC Screen	70	60 - 70
MW-272C	S3	E201401601	03/21/14	IA-12	588317.2	729597.2	136.56	PVC	2	PVC Screen	100	90 - 100
MW-273B	S2	E201401462	02/11/14	IA-10	586351.6	730565.1	121.77	PVC	2	PVC Screen	50	40 - 50
MW-273C	S3	E201401463	02/18/14	IA-10	586357.6	730554.6	121.55	PVC	2	PVC Screen	101	91 - 101
MW-274A	S1	E201404620	02/24/14	IA-10	585896.9	730012.7	128.20	PVC	2	PVC Screen	20	5 - 20
MW-274B	S2	E201404621	04/28/14	IA-10	585902.8	730023.7	127.31	PVC	2	PVC Screen	65	55 - 65
MW-274C	S3	E201404622	04/29/14	IA-10	585909.7	730034.5	126.57	PVC	2	PVC Screen	95	85 - 95
MW-275A	S1	E201405042	05/02/14	IA-10	586682.0	728549.5	105.17	PVC	2	PVC Screen	14	4 - 14
MW-275B	S2	E201405043	05/06/14	IA-10	586671.4	728554.8	105.38	PVC	2	PVC Screen	45	35 - 45
MW-275C	S3	E201405044	05/01/14	IA-10	586659.1	728559.1	105.75	PVC	2	PVC Screen	80	70 - 80
MW-276A	S1	E201403620	04/03/14	IA-13	587900.3	727544.7	115.45	PVC	2	PVC Screen	30	20 - 30
MW-276B	S2	E201403621	04/08/14	IA-13	587896.9	727533.1	114.83	PVC	2	PVC Screen	55	45 - 55
MW-276C	S3	E201403622	04/16/14	IA-13	587892.6	727522.0	114.46	PVC	2	PVC Screen	90	80 - 90
MW-277A	S1	E201403625	04/24/14	IA-14	588433.7	727218.7	94.50	PVC	2	PVC Screen	19	9 - 19
MW-277B	S2	E201403626	04/25/14	IA-14	588428.9	727211.4	93.90	PVC	2	PVC Screen	44	34 - 44
MW-277C	S3	E201403716	05/05/14	IA-14	588420.2	727206.0	93.26	PVC	2	PVC Screen	80	70 - 80
MW-278B	S2	E201404154	04/21/14	IA-15	587616.2	727091.7	92.76	PVC	2	PVC Screen	43	33 - 43
MW-280A	S1	E201403605	04/09/14	IA-10	586279.7	730396.4	123.34	PVC	2	PVC Screen	25	15 - 25
MW-280B	S2	E201403606	04/16/14	IA-10	586274.7	730386.4	123.45	PVC	2	PVC Screen	60	50 - 60
MW-280C	S3	E201403607	04/17/14	IA-10	586270.1	730376.9	123.52	PVC	2	PVC Screen	90	80 - 90
MW-281A	S1	E201401090	01/29/14	IA-10	586208.2	729895.1	117.84	PVC	2	PVC Screen	9	1 - 9
MW-283A	S1	E201401092	01/27/14	IA-10	586261.9	729903.0	117.25	PVC	2	PVC Screen	10	2 - 10
MW-284A	S1	E201401093	01/27/14	IA-10	586293.4	729882.5	116.58	PVC	2	PVC Screen	10	2 - 10
MW-285A	S1	E201401094	01/28/14	IA-10	586271.6	729850.2	116.97	PVC	2	PVC Screen	9	1 - 9
MW-286A	S1	E201401095	01/28/14	IA-10	586249.3	729818.7	117.33	PVC	2	PVC Screen	9	1 - 9
MW-287A	S1	E201401096	01/28/14	IA-10	586216.2	729842.1	117.62	PVC	2	PVC Screen	9	1 - 9

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-288A	S1	E201403943	04/15/14	IA-07	587459.1	728610.0	108.25	PVC	2	PVC Screen	25	10 - 25
MW-288B	S2	E201403944	04/15/14	IA-07	587466.6	728623.0	108.84	PVC	2	PVC Screen	50	30 - 50
MW-289A	S1	E201403937	04/16/14	IA-07	587343.2	728549.5	108.45	PVC	2	PVC Screen	25	10 - 25
MW-290A	S1	E201403938	04/16/14	IA-07	587312.6	728496.3	108.06	PVC	2	PVC Screen	25	10 - 25
MW-291A	S1	E201403939	04/18/14	IA-07	587432.2	728468.2	108.29	PVC	2	PVC Screen	25	10 - 25
MW-292A	S1	E201403940	04/14/14	IA-07	587347.7	728434.4	107.17	PVC	2	PVC Screen	25	10 - 25
MW-292B	S2	E201403941	04/14/14	IA-07	587339.2	728420.9	106.36	PVC	2	PVC Screen	50	30 - 50
MW-293A	S1	E201403934	04/21/14	IA-07	587609.2	728999.5	115.56	PVC	2	PVC Screen	25	10 - 25
MW-294A	S1	E201404288	04/18/14	IA-12	587975.6	729755.6	123.56	PVC	2	PVC Screen	25	10 - 25
MW-294C	S3	E201511977	10/09/15	IA-12	587933.9	729748.3	123.14	Steel	6	Open Hole	85	75 - 85
MW-295A	S1	E201404289	04/17/14	IA-12	587944.9	729711.1	123.33	PVC	2	PVC Screen	25	10 - 25
MW-295C	S3	E201511978	10/13/15	IA-12	587940.4	729709.5	123.38	Steel	6	Open Hole	85	75 - 85
MW-295B	S2	E201404291	04/17/14	IA-12	587945.8	729704.6	123.30	PVC	2	PVC Screen	50	30 - 50
MW-296A	S1	E201404290	04/23/14	IA-12	587892.5	729655.0	122.46	PVC	2	PVC Screen	25	10 - 25
MW-297B	S2	E201405301	05/08/14	IA-09	587360.3	729437.0	118.77	PVC	2	PVC Screen	42	32 - 42
MW-298B	S2	E201405302	05/06/14	IA-09	587393.4	729416.5	119.18	PVC	2	PVC Screen	42	32 - 42
MW-301C	S3	E201405946	05/30/14	IA-11	587247.2	728055.0	102.34	Steel	6	Open Hole	88	63 - 88
MW-302C	S3	E201407274	07/02/14	IA-11	587542.7	728022.5	117.33	Steel	6	Open Hole	98	73 - 98
MW-303C	S3	E201407275	06/09/14	IA-11	587400.6	727914.6	110.20	PVC	2	PVC Screen	93	68 - 93
MW-304A	S1	E201510844	09/14/15	Offsite	587206.2	727725.7	101.04	PVC	4	PVC Screen	20	10 - 20
MW-304B	S2	E201510845	09/15/15	Offsite	587211.9	727718.8	101.18	PVC	4	PVC Screen	50	30 - 50
MW-304C	S3	E201510846	09/18/15	Offsite	587212.9	727739.8	100.99	PVC	4	PVC Screen	90	70 - 90
MW-305B	S2	E201405519	05/29/14	IA-02	587123.8	729443.3	119.06	Stainless	2	Stainless Screen	51	31 - 51
MW-306B	S2	E201405520	05/29/14	IA-02	587058.2	729502.0	118.76	Stainless	2	Stainless Screen	50.5	30.5 - 50.5
MW-307B	S2	E201405593	05/22/14	IA-02	587022.0	729406.8	117.69	Stainless	2	Stainless Screen	50.5	30.5 - 50.5
MW-308B	S2	E201405521	05/22/14	IA-02	587120.6	729314.6	117.78	Stainless	2	Stainless Screen	51	31 - 51
MW-309A	S1	E201405594	05/13/14	IA-02	587146.0	729288.7	114.84	Stainless	2	Stainless Screen	15	5 - 15
MW-310A	S1	E201405522	05/29/14	IA-02	587099.2	729300.3	117.36	Stainless	2	Stainless Screen	15.5	5.5 - 15.5
MW-311C	S3	E201405523	05/20/14	IA-02	587096.9	729438.7	118.78	Stainless	2	Stainless Screen	80	60 - 80
MW-312B	S2	E201405524	05/23/14	IA-02	587132.9	729461.0	119.12	Stainless	2	Stainless Screen	51	31 - 51
MW-313B	S2	E201405525	05/27/14	IA-02	587067.7	729449.3	118.53	Stainless	2	Stainless Screen	50	30 - 50
MW-314B	S2	E201405595	05/19/14	IA-02	587004.6	729417.0	117.03	Stainless	2	Stainless Screen	50.5	30.5 - 50.5
MW-315B	S2	E201405526	05/23/14	IA-02	587146.5	729479.7	119.47	Stainless	2	Stainless Screen	51	31 - 51
MW-316B	S2	E201405596	05/21/14	IA-02	586985.1	729433.8	117.17	Stainless	2	Stainless Screen	51	31 - 51
MW-317A	S1	E201405749	05/16/14	IA-06	586759.6	729071.7	114.28	PVC	2	PVC Screen	15	5 - 15
MW-317B	S2	E201405732	06/17/14	IA-06	586749.6	729070.6	113.89	PVC	2	PVC Screen	45	35 - 45
MW-317C	S3	E201405733	06/17/14	IA-06	586753.4	729079.9	114.08	PVC	2	PVC Screen	70	60 - 70
MW-318A	S1	E201405750	05/30/14	IA-06	586818.3	729178.4	114.22	PVC	2	PVC Screen	15	5 - 15

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-318B	S2	E201507689	08/05/15	IA-06	586813.6	729181.6	114.27	PVC	2	PVC Screen	65.5	35 - 65
MW-319B	S2	E201405730	06/19/14	IA-10	586641.9	728858.0	106.86	PVC	2	PVC Screen	50	40 - 50
MW-319C	S3	E201405731	06/19/14	IA-10	586633.6	728862.7	107.37	PVC	2	PVC Screen	80	70 - 80
MW-320C	S3	E201405734	06/16/14	IA-06	586808.4	728727.7	108.56	PVC	2	PVC Screen	70	60 - 70
MW-321B	S2	E201509975	09/10/15	IA-06	586873.6	729069.4	112.82	PVC	2	PVC Screen	65.5	35 - 65
MW-321C	S3	E201511672	09/25/15	IA-06	586868.7	729071.9	112.79	PVC	2	PVC Screen	70.5	60 - 70
MW-322A	S1	E201405751	05/30/14	IA-06	586973.2	729123.1	113.33	PVC	2	PVC Screen	27	7 - 27
MW-323A	S1	E201405816	06/09/14	IA-09	586916.4	728893.9	109.67	PVC	2	PVC Screen	25	5 - 25
MW-323B	S2	E201405735	06/17/14	IA-09	586919.8	728899.5	109.82	PVC	2	PVC Screen	60	40 - 60
MW-323C	S3	E201405736	06/17/14	IA-09	586924.2	728905.5	109.88	PVC	2	PVC Screen	90	70 - 90
MW-324B	S2	E201406425	06/12/14	IA-11	587241.0	728219.7	102.57	PVC	6	PVC Screen	32	22 - 32
MW-325B	S2	E201407241	06/11/14	IA-11	587222.2	728202.8	101.99	PVC	6	PVC Screen	32	22 - 32
MW-326B	S2	E201407909	06/20/14	IA-11	587214.9	728184.4	101.83	PVC	6	PVC Screen	33	23 - 32
MW-327B	S2	E201409081	07/17/14	IA-11	587273.1	728157.3	103.39	PVC	6	PVC Screen	30	20 - 30
MW-329C	S3	E201408365	07/03/14	IA-11	587241.9	728155.8	102.55	Steel	6	Open Hole	62	32 - 62
MW-330C	S3	E201408366	07/01/14	IA-11	587212.7	728150.6	101.54	Steel	6	Open Hole	62	32 - 62
MW-331C	S3	E201408210	07/18/14	IA-11	587164.7	728160.8	100.21	Steel	6	Open Hole	85	60 - 85
MW-332B	S2	E201501507	03/09/15	IA-11	587219.1	728132.0	101.72	PVC	6	PVC Screen	30	20 - 30
MW-332C	S3	E201407382	06/16/14	IA-11	587222.9	728124.1	101.82	Steel	6	Open Hole	88	63 - 88
MW-333C	S3	E201407156	06/20/14	IA-11	587187.4	728088.7	100.65	Steel	6	Open Hole	89	64 - 89
MW-334B	S2	E201406106	06/12/14	IA-15	587458.6	727550.1	101.00	PVC	2	PVC Screen	28	18 - 28
MW-335B	S2	E201406107	05/30/14	IA-15	587508.7	727454.3	98.42	PVC	2	PVC Screen	28	18 - 28
MW-336B	S2	E201406108	05/27/14	IA-15	587560.3	727413.5	99.01	PVC	2	PVC Screen	28	18 - 28
MW-336C	S3	E201406773	06/06/14	IA-15	587565.6	727408.3	98.98	PVC	2	PVC Screen	70	60 - 70
MW-337B	S2	E201406109	06/19/14	IA-15	587400.4	727495.9	96.74	PVC	2	PVC Screen	28	18 - 28
MW-337C	S3	E201413488	01/13/15	IA-15	587406.4	727484.1	96.80	PVC	2	PVC Screen	75	65 - 75
MW-338A	S1	E201511404	09/21/15	Offsite	587285.8	727564.3	102.68	PVC	4	PVC Screen	20	10 - 20
MW-338B	S2	E201511061	09/22/15	Offsite	587278.9	727557.3	103.01	PVC	4	PVC Screen	50	30 - 50
MW-338C	S3	E201511062	09/23/15	Offsite	587276.6	727563.7	103.00	PVC	4	PVC Screen	90	70 - 90
MW-339A	S1	E201511051	09/18/15	Offsite	587346.1	727441.9	103.36	PVC	4	PVC Screen	20	10 - 20
MW-339B	S2	E201511052	09/18/15	Offsite	587337.9	727443.0	103.64	PVC	4	PVC Screen	50	30 - 50
MW-339C	S3	E201511053	09/22/15	Offsite	587343.0	727451.8	103.45	PVC	4	PVC Screen	90	70 - 90
MW-340A	S1	E201510847	09/21/15	Offsite	587402.2	727336.7	103.99	PVC	4	PVC Screen	20	10 - 20
MW-340B	S2	E201510848	09/22/15	Offsite	587406.2	727328.4	103.99	PVC	4	PVC Screen	50	30 - 50
MW-340C	S3	E201510849	09/23/15	Offsite	587396.2	727328.5	103.96	PVC	4	PVC Screen	90	70 - 90
MW-341A	S1	E201603927	04/12/16	IA-02	587083.0	729357.8	117.70	Stainless	2	Screen	18.4	7.4 - 17.4
MW-342A	S1	E201603928	04/13/16	IA-02	587101.4	729378.0	118.41	Stainless	2	Screen	15.7	4.7 - 14.7
MW-343A	S1	E201603929	04/13/16	IA-02	587063.2	729379.5	117.79	Stainless	2	Screen	17.6	6.6 - 16.6

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-344C	S3	E201407650	06/21/14	IA-11	587227.3	728150.3	102.01	Steel	6	Open Hole	87	62 - 87
MW-345C	S3	E201406559	06/09/14	IA-11	587235.2	728089.1	101.95	Steel	6	Open Hole	62	32 - 62
MW-346A	S1	E201406944	06/12/14	IA-06	586825.6	729242.2	114.91	PVC	2	PVC Screen	16	5 - 16
MW-346B	S2	E201406946	06/19/14	IA-06	586844.3	729238.9	115.02	PVC	2	PVC Screen	45	35 - 45
MW-346C	S3	E201406947	06/19/14	IA-06	586843.4	729250.3	115.08	PVC	2	PVC Screen	80	60 - 80
MW-347B	S2	E201407735	06/24/14	IA-10	586519.8	728894.0	109.38	PVC	2	PVC Screen	60	40 - 60
MW-347C	S3	E201407736	06/25/14	IA-10	586524.0	728905.2	109.33	PVC	2	PVC Screen	80	70 - 80
MW-348B	S2	E201407806	06/27/14	IA-10	586485.8	728818.8	109.45	PVC	2	PVC Screen	60	50 - 60
MW-348C	S3	E201407807	06/27/14	IA-10	586493.6	728811.9	109.25	PVC	2	PVC Screen	100	90 - 100
MW-349B	S2	E201408235	07/08/14	IA-10	586629.3	728709.4	106.47	PVC	2	PVC Screen	60	40 - 60
MW-349C	S3	E201408236	07/09/14	IA-10	586625.1	728703.5	106.35	PVC	2	PVC Screen	100	90 - 100
MW-350A	S1	E201408745	07/14/14	IA-06	586829.2	729308.9	114.32	PVC	2	PVC Screen	16	5 - 16
MW-350B	S2	E201408746	07/18/14	IA-06	586828.6	729315.3	114.25	PVC	2	PVC Screen	45	35 - 45
MW-350C	S3	E201408747	07/18/14	IA-06	586823.4	729301.9	114.17	PVC	2	PVC Screen	80	60 - 80
MW-351B	S2	E201409430	08/01/14	IA-04	587476.4	729467.2	120.81	PVC	2	PVC Screen	55	40 - 55
MW-351C	S3	E201409431	08/01/14	IA-04	587469.9	729456.4	120.39	PVC	2	PVC Screen	85	60 - 85
MW-353A	S1	E201501296	03/16/15	Off-Site	588636.6	729618.1	146.95	PVC	2	PVC Screen	55	45 - 55
MW-353B	S2	E201501297	03/15/15	Off-Site	588639.7	729614.4	146.95	PVC	2	PVC Screen	84	74 - 84
MW-353C	S3	E201501299	03/15/15	Off-Site	588642.2	729615.5	147.15	PVC	2	PVC Screen	130	120 - 130
MW-354A	S1	E201409763	08/04/14	IA-04	587161.4	729935.2	121.20	Steel	6	Open Hole	40	15 - 40
MW-355A	S1	E201409764	08/04/14	IA-04	587110.9	729873.1	121.08	Steel	6	Open Hole	25	15 - 25
MW-356A	S1	E201409765	08/04/14	IA-01	587106.2	729909.1	120.72	Steel	6	Open Hole	40	15 - 40
MW-357A	S1	E201409766	08/04/14	IA-01	587128.4	729942.4	121.09	Steel	6	Open Hole	25	15 - 25
MW-357-S2	S2	E201413443	03/09/15	IA-01	587124.8	729938.2	120.94	Steel	6	Open Hole	60	50 - 60
MW-357-S3	S3	E201414559	03/11/15	IA-01	587123.6	729925.4	120.70	Steel	6	Open Hole	85	75 - 85
MW-358A	S1	E201410372	08/20/14	IA-12	587828.9	729688.6	123.75	PVC	2	PVC Screen	30	20 - 30
MW-358B	S2	E201410376	08/20/14	IA-12	587828.9	729688.3	123.67	PVC	2	PVC Screen	50	40 - 50
MW-359A	S1	E201410373	08/20/14	IA-12	587832.4	729697.3	123.89	PVC	2	PVC Screen	30	20 - 30
MW-359B	S2	E201410377	08/20/14	IA-12	587832.3	729697.5	123.83	PVC	2	PVC Screen	50	40 - 50
MW-360A	S1	E201410374	08/26/14	IA-12	587813.0	729718.6	123.96	PVC	2	PVC Screen	30	20 - 30
MW-360B	S2	E201410378	08/28/14	IA-12	587812.8	729718.9	123.90	PVC	2	PVC Screen	50	40 - 50
MW-361A	S1	E201411069	09/03/14	IA-12	587845.6	729722.2	123.75	PVC	2	PVC Screen	30	20 - 30
MW-361B	S2	E201411070	09/03/14	IA-12	587845.5	729722.0	123.68	PVC	2	PVC Screen	50	40 - 50
MW-362A	S1	E201411075	08/25/14	IA-12	587857.9	729725.7	123.21	Stainless	2	Stainless Screen	30	20 - 30
MW-362B	S2	E201411076	08/25/14	IA-12	587858.0	729725.4	123.12	Stainless	2	Stainless Screen	50	40 - 50
MW-363A	S1	E201411660	09/10/14	IA-12	587853.9	729712.2	123.23	PVC	2	PVC Screen	30	20 - 30
MW-363B	S2	E201411661	09/09/14	IA-12	587854.2	729712.1	123.18	PVC	2	PVC Screen	50	40 - 50
MW-363C	S3	E201411702	09/19/14	IA-12	587849.7	729710.2	123.39	PVC	2	PVC Screen	70	50 - 70

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Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-364A	S1	E201410700	09/10/14	IA-12	587880.1	729680.5	122.50	PVC	2	PVC Screen	30	20 - 30
MW-364B	S2	E201410701	09/10/14	IA-12	587879.9	729680.7	122.40	PVC	2	PVC Screen	50	40 - 50
MW-364C	S3	E201410519	08/22/14	IA-12	587884.3	729678.2	122.52	PVC	2	PVC Screen	70.8	50.8 - 70.8
MW-365A	S1	E201410702	09/10/14	IA-12	587883.9	729667.7	122.26	PVC	2	PVC Screen	30	20 - 30
MW-365B	S2	E201410703	09/10/14	IA-12	587883.7	729667.8	122.20	PVC	2	PVC Screen	50	40 - 50
MW-366A	S1	E201412401	09/26/14	IA-11	587370.5	727734.5	103.23	PVC	2	PVC Screen	18	8 - 18
MW-366B	S2	E201412402	09/30/14	IA-11	587370.3	727747.0	103.68	PVC	2	PVC Screen	45	35 - 45
MW-366C	S3	E201413313	10/16/14	IA-11	587380.6	727748.0	103.76	PVC	2	PVC Screen	85	75 - 85
MW-367-S2	S2	E201501815	03/10/15	IA-15	587377.9	727544.4	96.96	Steel	6	Stainless Screen	50	30 - 50
MW-367-S3	S3	E201501816	03/12/15	IA-15	587374.5	727552.6	96.85	Steel	6	Stainless Screen	80	60 - 80
MW-367A	S1	E201412399	09/24/14	IA-15	587381.4	727530.2	97.05	PVC	2	PVC Screen	15	5 - 15
MW-367B	S2	E201412400	09/24/14	IA-15	587388.3	727527.0	97.12	PVC	2	PVC Screen	40	30 - 40
MW-367C	S3	E201413489	01/09/15	IA-15	587385.6	727532.3	97.05	PVC	2	PVC Screen	70	60 - 70
MW-368A	S1	E201413444	11/10/14	IA-01	587068.8	729959.8	121.67	Steel	6	Open Hole	26	15 - 26
MW-370A	S1	E201413446	11/06/14	IA-01	587164.6	729996.9	120.59	Steel	6	Open Hole	26	15 - 26
MW-371A	S1	E201413447	11/12/14	IA-04	587203.2	729908.1	121.93	Steel	6	Open Hole	26	15 - 26
MW-371B	S2	E201501460	03/26/15	IA-04	587219.2	729912.8	121.84	Steel	6	Open Hole	45	35 - 45
MW-371C	S3	E201501462	03/23/15	IA-04	587214.3	729903.9	121.88	PVC	2	PVC Screen	115	105 - 115
MW-372A	S1	E201415852	01/15/15	IA-01	587142.8	730043.0	121.29	Steel	6	Open Hole	25	15 - 25
MW-373A	S1	E201504143	05/18/15	IA-07	587760.3	728106.4	138.13	PVC	2	PVC Screen	43	33 - 43
MW-373B	S2	E201502842	12/16/14	IA-07	587757.3	728110.6	137.93	PVC	2	PVC Screen	77	67 - 77
MW-373C	S3	E201502843	12/16/14	IA-07	587751.1	728113.2	137.48	PVC	2	PVC Screen	118	108 - 118
MW-374B	S2	E201502844	12/16/14	IA-07	587811.7	728085.0	140.57	PVC	2	PVC Screen	76	66 - 76
MW-374C	S3	E201502845	12/16/14	IA-07	587814.4	728079.5	140.49	PVC	2	PVC Screen	107	97 - 107
MW-375A	S1	E201414287	12/05/14	IA-12	588450.6	729520.3	143.37	Steel	6	Open Hole	54	34 - 54
MW-375B	S2	E201414288	11/21/14	IA-12	588465.3	729510.8	144.35	PVC	2	PVC Screen	78	68 - 78
MW-375C	S3	E201414289	01/22/15	IA-12	588473.5	729505.9	144.76	PVC	2	PVC Screen	135	115 - 135
MW-376B	S2	E201414290	11/14/14	IA-12	588446.8	729085.7	151.37	PVC	2	PVC Screen	86	76 - 86
MW-376C	S3	E201414291	11/25/14	IA-12	588440.9	729090.6	150.96	PVC	2	PVC Screen	128	113 - 128
MW-376-S3	S3	E201506505	07/13/15	IA-12	588440.7	729106.1	150.48	PVC	2	PVC Screen	110	100 - 110
MW-377B	S2	E201500786	11/13/14	IA-03	588132.9	728812.1	145.15	PVC	2	PVC Screen	90	80 - 90
MW-377C	S3	E201500787	12/16/14	IA-07	588135.4	728816.5	145.21	PVC	2	PVC Screen	118	108 - 118
MW-378B	S2	E201500788	12/02/14	IA-07	588232.9	728746.6	147.42	PVC	2	PVC Screen	82	72 - 82
MW-378C	S3	E201500789	12/02/14	IA-07	588234.5	728754.1	147.37	PVC	2	PVC Screen	107	97 - 107
MW-379A	S1	E201415538	12/02/14	IA-12	587941.5	729777.7	123.19	Stainless	2	Stainless Screen	25	10 - 25
MW-380A	S1	E201415539	12/02/14	IA-12	587909.7	729765.6	122.54	Stainless	2	Stainless Screen	25	10 - 25
MW-381A	S1	E201415540	12/04/14	IA-12	587891.7	729757.0	122.53	Stainless	2	Stainless Screen	25	10 - 25
MW-382B	S2	E201415560	12/05/14	IA-12	587924.4	729788.3	122.85	Stainless	2	Stainless Screen	50	30 - 50

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-383A	S1	E201415541	12/02/14	IA-12	587939.1	729799.2	123.28	Stainless	2	Stainless Screen	25	10 - 25
MW-384A	S1	E201414482	11/04/14	IA-01	586908.6	730150.6	119.66	PVC	2	PVC Screen	10	3 - 10
MW-387A	S1	E201416303	02/06/15	IA-01	587093.2	730147.3	120.69	Steel	6	Open Hole	25	15 - 25
MW-387B	S2	E201416042	01/28/15	IA-01	587095.7	730141.4	120.68	Steel	6	Open Hole	60	50 - 60
MW-387C	S3	E201415880	02/05/15	IA-01	587088.0	730146.2	120.59	PVC	2	PVC Screen	120	110 - 120
MW-388A	S1	E201416304	02/10/15	IA-01	587188.0	730087.4	120.90	Steel	6	Open Hole	25	15 - 25
MW-388B	S2	E201416043	02/26/15	IA-01	587196.8	730081.8	121.02	PVC	2	PVC Screen	65	55 - 65
MW-389A	S1	E201415853	01/12/15	IA-01	587078.2	730072.5	121.42	Steel	6	Open Hole	25	15 - 25
MW-390A	S1	E201415869	02/17/15	IA-01	587010.5	730001.4	120.89	Steel	6	Open Hole	27	17 - 27
MW-390B	S2	E201415870	02/12/15	IA-01	587007.6	729996.9	120.88	Steel	6	Open Hole	50	40 - 50
MW-391A	S1	E201415871	02/09/15	IA-01	586827.8	729870.9	119.61	Steel	6	Open Hole	26	16 - 26
MW-391-S3	S3	E201415872	02/05/15	IA-01	586824.5	729865.6	119.45	Steel	6	Open Hole	80	70 - 80
MW-391C	S3	E201415873	01/26/15	IA-01	586821.0	729860.3	119.63	PVC	2	PVC Screen	120	110 - 120
MW-392A	S1	E201415906	01/28/15	IA-01	586931.0	729833.4	119.59	Steel	6	Open Hole	30	20 - 30
MW-392B	S2	E201415905	02/03/15	IA-01	586920.4	729819.5	119.95	Steel	6	Open Hole	70	60 - 70
MW-392C	S3	E201415904	01/30/15	IA-01	586917.3	729814.6	119.94	PVC	2	PVC Screen	120	110 - 120
MW-393A	S1	E201415865	01/07/15	IA-01	587013.2	729783.4	120.31	Steel	6	Open Hole	35	25 - 35
MW-393B	S2	E201415863	01/09/15	IA-01	587013.3	729775.9	120.55	Steel	6	Open Hole	50	40 - 50
MW-393C	S3	E201415859	01/23/15	IA-01	587007.2	729780.3	120.66	PVC	2	PVC Screen	120	110 - 120
MW-394B	S2	E201415864	01/15/15	IA-01	586880.1	730158.1	119.63	Steel	6	Open Hole	70	60 - 70
MW-394C	S3	E201415860	02/10/15	IA-01	586878.1	730153.2	119.38	PVC	2	PVC Screen	103	93 - 103
MW-395A	S1	E201415839	12/11/14	IA-06	586755.1	729315.1	113.92	PVC	4	PVC Screen	18.5	5 - 18.5
MW-396A	S1	E201415840	12/11/14	IA-06	586742.8	729198.3	112.69	PVC	4	PVC Screen	15	5 - 15
MW-397A	S1	E201415842	12/14/14	IA-06	586787.4	729087.0	114.58	PVC	4	PVC Screen	20	5 - 20
MW-398A	S1	E201415841	12/24/14	IA-06	586905.2	729197.5	114.54	PVC	4	PVC Screen	15	5 - 15
MW-399S	S1	E201416631	01/19/15	IA-07	587377.5	728478.5	107.71	PVC	2	PVC Screen	13	3 - 13
MW-399A	S1	E201416612	02/11/15	IA-07	587381.7	728482.3	107.63	PVC	2	PVC Screen	30	15 - 30
MW-400A	S1	E201416613	01/28/15	IA-07	587395.1	728475.2	107.85	PVC	2	PVC Screen	30	15 - 30
MW-401S	S1	E201416632	01/21/15	IA-07	587392.6	728481.9	107.61	PVC	2	PVC Screen	13	3 - 13
MW-401A	S1	E201416614	02/04/15	IA-07	587398.4	728486.7	107.61	PVC	2	PVC Screen	30	15 - 30
MW-402S	S1	E201416633	12/30/14	IA-07	587369.2	728461.4	107.72	PVC	2	PVC Screen	13	3 - 13
MW-402A	S1	E201416615	01/28/15	IA-07	587366.2	728465.2	107.50	PVC	2	PVC Screen	30	15 - 30
MW-403S	S1	E201416634	01/21/15	IA-07	587363.1	728452.8	107.49	PVC	2	PVC Screen	13	3 - 13
MW-403A	S1	E201416616	01/29/15	IA-07	587360.2	728457.2	107.38	PVC	2	PVC Screen	30	15 - 30
MW-404A	S1	E201416617	01/21/15	IA-07	587359.8	728511.5	107.16	PVC	2	PVC Screen	30	15 - 30
MW-405A	S1	E201416618	01/29/15	IA-07	587398.0	728517.5	107.56	PVC	2	PVC Screen	30	15 - 30
MW-406S	S1	E201416635	12/30/14	IA-07	587417.9	728519.2	107.87	PVC	2	PVC Screen	13	3 - 13
MW-406A	S1	E201416619	01/30/15	IA-07	587414.7	728522.9	107.83	PVC	2	PVC Screen	30	15 - 30

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-406B	S2	E201416593	12/30/14	IA-07	587403.9	728526.8	107.70	PVC	2	PVC Screen	60	40 - 60
MW-407S	S1	E201416636	12/29/14	IA-07	587391.1	728534.4	107.41	PVC	2	PVC Screen	13	3 - 13
MW-407A	S1	E201416620	01/21/15	IA-07	587394.5	728530.5	107.47	PVC	2	PVC Screen	30	15 - 30
MW-408S	S1	E201416637	12/29/14	IA-07	587414.9	728544.9	107.75	PVC	2	PVC Screen	13	3 - 13
MW-408A	S1	E201416621	01/20/15	IA-07	587417.9	728541.6	107.95	PVC	2	PVC Screen	30	15 - 30
MW-409A	S1	E201416622	01/20/15	IA-07	587396.2	728559.0	107.52	PVC	2	PVC Screen	30	15 - 30
MW-410A	S1	E201416623	01/06/15	IA-07	587436.4	728513.3	108.18	PVC	2	PVC Screen	30	15 - 30
MW-412A	S1	E201416628	12/31/14	IA-07	587667.1	728945.0	116.21	PVC	2	PVC Screen	30	10 - 30
MW-413BR	S2	E201701693	02/24/17	IA-11	587209.5	728229.8	101.67	PVC	4	PVC Screen	25	20 - 25
MW-414B	S2	E201501506	03/06/15	IA-11	587269.9	728236.0	103.56	PVC	6	PVC Screen	30	20 - 30
MW-415B	S2	E201501508	03/04/15	IA-11	587177.3	728190.2	100.82	PVC	6	PVC Screen	30	15 - 30
MW-416A	S1	E201501198	03/13/15	IA-01	586759.1	729639.6	118.65	Steel	6	Open Hole	38	19 - 38
MW-416B	S2	E201501197	03/18/15	IA-01	586752.3	729637.8	118.58	Steel	6	Open Hole	55	45 - 55
MW-416C	S3	E201501192	03/19/15	IA-01	586759.2	729633.1	118.53	PVC	2	PVC Screen	115	105 - 115
MW-417A	S1	E201501842	03/18/15	IA-07	587743.0	728199.9	128.36	PVC	2	PVC Screen	38	28 - 38
MW-417B	S2	E201501841	03/17/15	IA-07	587738.8	728190.7	128.06	PVC	2	PVC Screen	80	70 - 80
MW-417C	S3	E201501840	03/15/15	IA-07	587747.8	728186.7	128.31	PVC	2	PVC Screen	125	115 - 125
MW-418B	S2	E201503956	05/12/15	IA-06	586947.6	729314.6	115.02	PVC	4	PVC Screen	60	30 - 60
MW-419B	S2	E201503955	05/07/15	IA-06	586948.8	729253.5	115.15	PVC	4	PVC Screen	62	32 - 62
MW-420B	S2	E201503958	05/07/15	IA-06	586926.4	729224.9	114.87	PVC	4	PVC Screen	65	30 - 65
MW-420C	S3	E201503959	05/04/15	IA-06	586924.2	729220.9	114.80	PVC	4	PVC Screen	80	65 - 80
MW-421B	S2	E201503936	05/20/15	IA-06	586998.1	729223.1	115.01	PVC	4	PVC Screen	60	30 - 60
MW-421C	S3	E201503940	05/20/15	IA-06	587000.6	729226.9	115.11	PVC	4	PVC Screen	80	65 - 80
MW-422B	S2	E201503939	05/28/15	IA-06	586979.0	729111.0	113.22	PVC	4	PVC Screen	64	34 - 64
MW-422C	S3	E201503942	05/26/15	IA-06	587000.7	729097.6	112.62	PVC	4	PVC Screen	80	65 - 80
MW-423A	S1	E201503983	05/27/15	IA-06	587108.5	729244.9	115.08	PVC	4	PVC Screen	19	4 - 19
MW-423B	S2	E201503984	05/28/15	IA-06	587105.9	729238.9	114.96	PVC	4	PVC Screen	65	35 - 65
MW-424B	S2	E201503985	05/29/15	IA-06	587070.8	729178.0	114.05	PVC	4	PVC Screen	64	34 - 64
MW-424C	S3	E201503986	05/29/15	IA-06	587071.5	729183.8	114.21	PVC	4	PVC Screen	80	65 - 80
MW-425-S2	S2	E201503879	05/01/15	IA-11	587221.0	728221.6	101.99	PVC	4	PVC Screen	35	30 - 35
MW-426A	S1	E201502711	04/01/15	IA-04	587196.5	729952.7	121.63	Steel	6	Open Hole	33	18 - 33
MW-426B	S2	E201502714	04/01/15	IA-04	587207.1	729945.4	121.77	Steel	6	Open Hole	60	50 - 60
MW-427A	S1	E201502712	03/30/15	IA-04	587226.5	729900.6	121.92	Steel	6	Open Hole	33	18 - 33
MW-427B	S2	E201502715	03/31/15	IA-04	587233.3	729896.2	122.00	Steel	6	Open Hole	60	50 - 60
MW-428A	S1	E201502713	03/31/15	IA-04	587179.4	729871.1	121.82	Steel	6	Open Hole	33	18 - 33
MW-428B	S2	E201502716	03/31/15	IA-04	587181.1	729867.1	121.66	Steel	6	Open Hole	60	50 - 60
MW-428C	S3	E201502717	03/30/15	IA-04	587171.6	729871.0	121.75	PVC	2	PVC Screen	115	105 - 115
MW-429C	S3	E201503452	04/16/15	IA-13	587410.7	727703.3	102.91	PVC	2	PVC Screen	70	60 - 70
MW-430B	S2	E201503876	05/05/15	IA-11	587231.7	728317.0	103.63	PVC	2	PVC Screen	32	17 - 32

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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-431B	S2	E201503877	05/05/15	IA-11	587163.8	728253.0	101.48	PVC	2	PVC Screen	30	15 - 30
MW-432B	S2	E201503878	05/04/15	IA-11	587185.8	728311.1	102.72	PVC	2	PVC Screen	31	16 - 31
MW-433C	S3	E201503869	05/01/15	IA-12	588136.3	729350.0	134.90	PVC	2	PVC Screen	120	110 - 120
MW-434C	S3	E201503870	05/04/15	IA-03	588129.9	729051.9	119.69	PVC	2	PVC Screen	105	105 - 115
MW-435A	S1	E201507552	08/03/15	IA-12	587852.2	729834.2	122.88	PVC	2	PVC Screen	25	15 - 25
MW-435B	S2	E201507553	07/31/15	IA-12	587852.1	729834.5	122.89	PVC	2	PVC Screen	50	40 - 50
MW-436A	S1	E201509734	09/16/15	IA-12	588027.3	729761.1	124.54	PVC	2	PVC Screen	30	20 - 30
MW-436B	S2	E201509735	09/15/15	IA-12	588027.6	729761.1	124.43	PVC	2	PVC Screen	50	40 - 50
MW-437A	S1	E201509513	09/17/15	IA-12	587830.1	729765.8	123.00	PVC	2	PVC Screen	30	20 - 30
MW-437B	S2	E201509514	09/16/15	IA-12	587830.0	729765.5	122.99	PVC	2	PVC Screen	50	40 - 50
MW-438A	S1	E201506930	09/02/15	IA-04	587727.5	729598.5	123.90	PVC	2	PVC Screen	25	15 - 25
MW-438B	S2	E201506931	08/27/15	IA-04	587727.2	729599.2	123.85	PVC	2	PVC Screen	50	40 - 50
MW-439A	S1	E201506932	08/17/15	IA-03	587767.8	729537.4	120.03	PVC	2	PVC Screen	25	15 - 25
MW-439B	S2	E201506933	08/14/15	IA-03	587767.6	729537.0	119.85	PVC	2	PVC Screen	50	40 - 50
MW-440A	S1	E201506929	09/14/15	IA-04	587696.3	729555.4	121.38	PVC	2	PVC Screen	25	15 - 25
MW-441A	S1	E201505053	05/20/15	IA-12	587998.8	729732.7	124.27	PVC	2	PVC Screen	25	10 - 25
MW-441B	S2	E201504854	05/19/15	IA-12	587996.4	729724.2	124.16	PVC	2	PVC Screen	50	30 - 50
MW-442A	S1	E201505054	05/22/15	IA-12	587961.8	729677.1	123.92	PVC	2	PVC Screen	25	10 - 25
MW-442B	S2	E201504855	05/20/15	IA-12	587961.8	729672.1	123.92	PVC	2	PVC Screen	50	30 - 50
MW-443A	S1	E201505055	08/26/15	IA-12	588020.1	729682.0	125.39	PVC	2	PVC Screen	25	10 - 25
MW-443B	S2	E201504856	08/25/15	IA-12	588020.4	729676.6	125.39	PVC	2	PVC Screen	50	30 - 50
MW-444A	S1	E201505056	08/24/15	IA-12	587968.6	729618.6	124.25	PVC	2	PVC Screen	25	10 - 25
MW-444B	S2	E201504857	08/19/15	IA-12	587968.8	729613.7	124.36	PVC	2	PVC Screen	50	30 - 50
MW-445A	S1	E201505057	05/21/15	IA-12	587911.1	729616.4	123.24	PVC	2	PVC Screen	25	10 - 25
MW-445B	S2	E201504858	05/22/15	IA-12	587911.3	729611.1	123.27	PVC	2	PVC Screen	50	30 - 50
MW-446A	S1	E201505760	06/02/15	IA-10	586419.5	729517.6	114.21	PVC	2	PVC Screen	20	10 - 20
MW-447A	S1	E201507687	07/31/15	IA-06	586859.2	729189.5	113.97	PVC	2	PVC Screen	15.5	5 - 15
MW-447B	S2	E201507688	08/05/15	IA-06	586855.8	729183.6	113.75	PVC	2	PVC Screen	45.5	35 - 45
MW-448B	S3	E201510264	09/21/15	IA-11	587230.8	728373.2	103.91	PVC	4	PVC Screen	55	35 - 55
MW-449C	S3	E201507925	08/11/15	IA-11	587336.3	728311.4	106.02	PVC	4	PVC Screen	65	45 - 65
MW-450B	S2	E201510265	09/23/15	IA-11	587286.8	727919.0	102.49	PVC	4	PVC Screen	50	30 - 50
MW-451B	S2	E201513157	09/29/15	IA-11	587394.6	727920.9	111.15	PVC	4	PVC Screen	60	40 - 60
MW-452C	S3	E201509736	10/30/15	IA-11	587542.2	728042.2	115.94	PVC	4	PVC Screen	70	50 - 70
MW-453C1	S3	E201509738	10/01/15	IA-11	587440.4	727990.0	109.34	PVC	2	PVC Screen	80	60 - 80
MW-453C2	S3	E201509739	09/29/15	IA-11	587440.6	727990.1	109.35	PVC	2	PVC Screen	110	90 - 110
MW-454C	S3	E201509737	11/05/15	IA-11	587560.6	728008.0	121.01	PVC	4	PVC Screen	123.5	103.5 - 123.5
MW-455C	S3	E201513158	10/01/15	IA-11	587404.8	727945.3	113.05	PVC	4	PVC Screen	115	95 - 115
MW-456C1	S3	E201510266	09/30/15	IA-11	587422.2	728237.8	111.41	PVC	2	PVC Screen	85	65 - 85
MW-456C2	S3	E201510267	09/29/15	IA-11	587422.0	728237.7	111.47	PVC	2	PVC Screen	85	65 - 85
MW-457C1	S3	E201509602	10/05/15	IA-11	587377.3	728099.3	106.74	PVC	2	PVC Screen	80	60 - 80
MW-457C2	S3	E201509603	09/30/15	IA-11	587377.7	728099.4	106.71	PVC	2	PVC Screen	104	89 - 104
MW-458C1	S3	E201510268	09/23/15	IA-11	587308.7	728222.6	104.46	PVC	2	PVC Screen	70	50 - 70
MW-458C2	S3	E201510269	09/22/15	IA-11	587308.5	728222.4	104.39	PVC	2	PVC Screen	100	80 - 100

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Monitoring Well Construction Details
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Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-459C	S3	E201509599	10/02/15	IA-11	587610.7	728143.6	119.19	PVC	4	PVC Screen	115	95 - 115
MW-460C	S3	E201511667	10/28/15	IA-13	587599.9	727773.6	109.11	PVC	4	PVC Screen	110	90 - 110
MW-461C	S3	E201511398	09/25/15	IA-13	587478.4	727738.9	107.68	PVC	4	PVC Screen	110	90 - 110
MW-462C1	S3	E201508112	07/24/15	IA-15	587586.6	727247.5	95.94	PVC	2	PVC Screen	60	40 - 60
MW-462C2	S3	E201508113	07/23/15	IA-15	587586.6	727247.7	95.96	PVC	2	PVC Screen	90	70 - 90
MW-463C	S3	E201600360	01/22/16	IA-07	587750.0	728202.8	128.46	PVC	4	PVC Screen	110	90 - 110
MW-464C1	S3	E201510270	09/25/15	IA-07	587595.4	728278.0	116.85	PVC	2	PVC Screen	85	65 - 85
MW-464C2	S3	E201510271	09/24/15	IA-07	587595.5	728278.3	116.98	PVC	2	PVC Screen	115	95 - 115
MW-465C1	S3	E201510272	09/28/15	IA-07	587463.3	728371.2	109.61	PVC	2	PVC Screen	80	60 - 80
MW-465C2	S3	E201510273	09/25/15	IA-07	587463.6	728371.3	109.58	PVC	2	PVC Screen	110	90 - 110
MW-466A	S1	E201507718	07/16/15	IA-09	587328.6	729428.0	118.57	PVC	2	PVC Screen	17	7 - 17
MW-467A	S1	E201507719	07/14/15	IA-09	587410.6	729406.5	119.27	PVC	2	PVC Screen	17	7 - 17
MW-468A	S1	E201507720	07/14/15	IA-09	587445.0	729363.9	118.43	PVC	2	PVC Screen	17	7 - 17
MW-469A	S1	E201507721	07/13/15	IA-09	587411.6	729344.4	118.23	PVC	2	PVC Screen	17	7 - 17
MW-470A	S1	E201507722	07/13/15	IA-09	587432.8	729303.4	118.22	PVC	2	PVC Screen	17	7 - 17
MW-471A	S1	E201507723	07/16/15	IA-09	587435.1	729257.2	117.57	PVC	2	PVC Screen	17	7 - 17
MW-472A	S1	E201505990	07/15/15	IA-10	586406.1	729497.1	114.56	PVC	2	PVC Screen	20	10 - 20
MW-472S	S1	E201509017	08/07/15	IA-10	586405.3	729502.4	114.61	PVC	2	PVC Screen	10	3 - 10
MW-473A	S1	E201508353	07/30/15	Offsite	586391.2	729541.3	113.47	PVC	2	PVC Screen	20	10 - 20
MW-474A	S1	E201508354	07/30/15	Offsite	586374.2	729517.1	114.00	PVC	2	PVC Screen	20	10 - 20
MW-474B	S2	E201615024	01/04/17	Offsite	586375.1	729513.6	113.95	PVC	2	PVC Screen	40	30 - 40
MW-475A	S1	E201508355	07/30/15	Offsite	586334.2	729454.3	116.40	PVC	2	PVC Screen	20	10 - 20
MW-476A	S1	E201509018	08/06/15	IA-10	586440.7	729480.2	113.35	PVC	2	PVC Screen	20	5 - 20
MW-477A	S1	E201509019	08/05/15	IA-10	586446.5	729401.2	113.08	PVC	2	PVC Screen	20	5 - 20
MW-478B	S2	E201510508	09/10/15	Offsite	587132.2	727910.8	97.65	PVC	4	PVC Screen	55	35 - 55
MW-478C	S3	E201510509	09/09/15	Offsite	587136.3	727902.2	97.85	PVC	4	PVC Screen	90	70 - 90
MW-479A	S1	E201706151	06/05/17	IA-10	586376.8	729393.4	115.73	116.03	2	PVC Screen	20	10 - 20
MW-479S	S1	E201706148	06/06/17	IA-10	586380.1	729399.1	115.61	115.9	2	PVC Screen	10	3 - 10
MW-479B	S2	E201510870	09/16/15	IA-10	586382.7	729393.4	115.48	PVC	2	PVC Screen	40	30 - 40
MW-479C	S3	E201509104	09/01/15	IA-10	586373.9	729399.1	115.63	PVC	2	PVC Screen	110	100 - 110
MW-480A	S1	E201510871	01/13/16	IA-10	586284.1	729454.2	119.78	PVC	2	PVC Screen	22	10 - 22
MW-481B	S2	E201513391	10/22/15	IA-10	586315.5	729337.0	118.30	PVC	2	PVC Screen	60	50 - 60
MW-481C	S3	E201513392	10/23/15	IA-10	586307.5	729343.1	118.70	PVC	2	PVC Screen	100	80 - 100
MW-482B	S2	E201511554	12/23/15	IA-10	586412.8	729250.4	112.92	PVC	2	PVC Screen	50	40 - 50
MW-482C	S3	E201511551	10/29/15	IA-10	586410.3	729257.2	113.28	PVC	2	PVC Screen	90	70 - 90
MW-483B	S2	E201511555	12/29/15	IA-10	586416.8	729110.0	112.48	PVC	2	PVC Screen	60	50 - 60
MW-483C	S3	E201511552	10/29/15	IA-10	586425.3	729108.4	112.19	PVC	2	PVC Screen	80	60 - 80
MW-484A	S1	E201604762	05/12/16	IA-11	587217.1	728278.3	102.95	PVC	4	PVC Screen	15	5 - 15
MW-484B	S2	E201604766	05/10/16	IA-11	587214.5	728275.5	102.91	PVC	4	PVC Screen	25	20 - 25
MW-485A	S1	E201511647	10/09/15	Offsite	586360.3	729525.8	113.74	PVC	2	PVC Screen	20	10 - 20
MW-486A	S1	E201511648	10/12/15	Offsite	586381.2	729526.2	113.70	PVC	2	PVC Screen	20	10 - 20
MW-487A	S1	E201511649	10/12/15	Offsite	586363.2	729499.4	114.35	PVC	2	PVC Screen	20	10 - 20
MW-487B	S2	E201615025	01/04/17	Offsite	586364.9	729490.7	114.54	PVC	2	PVC Screen	40	30 - 40

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-487S	S1	E201513662	12/22/15	Offsite	586364.1	729494.9	114.36	PVC	2	PVC Screen	10	3 - 10
MW-488A	S1	E201511650	10/13/15	Offsite	586353.2	729484.5	114.88	PVC	2	PVC Screen	20	10 - 20
MW-488B	S2	E201615026	01/05/17	Offsite	586355.5	729481.9	114.99	PVC	2	PVC Screen	40	30 - 40
MW-489A	S1	E201511651	10/13/15	Offsite	586342.9	729469.9	115.55	PVC	2	PVC Screen	20	10 - 20
MW-490A	S1	E201512235	10/20/15	IA-04	587410.2	729857.5	121.47	Steel	6	Open Hole	30	20 - 30
MW-491A	S1	E201600955	12/16/15	IA-07	587503.2	728997.1	114.26	PVC	2	PVC Screen	30.5	15.5 - 30.5
MW-492A	S1	E201514802	01/22/16	IA-07	587560.4	728967.2	113.36	PVC	2	PVC Screen	30.5	15.5 - 30.5
MW-492B	S2	E201514803	01/19/16	IA-07	587560.4	728966.8	113.29	PVC	2	PVC Screen	50.5	40.5 - 50.5
MW-493B	S2	E201514804	01/05/16	IA-07	587398.8	728970.2	112.68	PVC	2	PVC Screen	50.5	40.5 - 50.5
MW-494A	S1	E201514805	12/28/15	IA-07	587416.5	728902.7	113.82	PVC	2	PVC Screen	30.5	15.5 - 30.5
MW-495B	S2	E201514806	12/31/15	IA-07	587410.1	728813.7	112.66	PVC	2	PVC Screen	50.5	40.5 - 50.5
MW-496A	S1	E201513661	12/22/15	Offsite	586387.0	729504.5	114.13	PVC	2	PVC Screen	20	10 - 20
MW-496S	S1	E201513663	12/22/15	Offsite	586385.1	729500.9	114.22	PVC	2	PVC Screen	10	3 - 10
MW-497A	S1	E201604763	05/09/16	IA-11	587203.7	728257.1	102.32	102.72	2	PVC Screen	15	5 - 15
MW-497B	S2	E201604767	05/06/16	IA-11	587205.4	728260.2	102.51	102.9	2	PVC Screen	25	20 - 25
MW-498A	S1	E201604764	05/03/16	IA-11	587183.9	728243.9	102.58	102.92	4	PVC Screen	15	5 - 15
MW-498B	S2	E201604768	05/06/16	IA-11	587186.6	728243.3	102.58	102.89	4	PVC Screen	25	20 - 25
MW-499A	S1	E201604765	05/03/16	IA-11	587192.4	728221.1	101.54	101.92	4	PVC Screen	15	5 - 15
MW-499B	S2	E201604769	05/12/16	IA-11	587192.8	728218.2	101.46	101.87	4	PVC Screen	25	20 - 25
MW-500A	S1	E201608319	07/14/16	IA-01	586954.6	729922.5	120.41	PVC	2	PVC Screen	12	2 - 12
MW-501B	S2	E201615023	01/05/17	IA-10	586316.5	729518.8	117.27	PVC	2	PVC Screen	40	30 - 40
MW-502A	S1	E201701477	02/16/17	IA-09	587320.3	728952.9	110.70	PVC	2	PVC Screen	30.5	15.5 - 30.5
MW-502B	S2	E201701478	02/16/17	IA-09	587320.6	728952.5	110.61	PVC	2	PVC Screen	50.5	40.5 - 50.5
MW-503C	S3	E201701479	02/14/17	IA-07	587381.7	728801.6	110.68	PVC	2	PVC Screen	80.0	60.0 - 80.0
PW-37 Port 1	S2	2600077911-1	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	69.7	58.7 - 69.7
PW-37 Port 2	S2	2600077911-2	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	88.7	78.7 - 88.7
PW-37 Port 3	S3	2600077911-3	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	100.7	90.7 - 100.7
PW-37 Port 4	S3	2600077911-4	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	124.7	113.7 - 124.7
PW-37 Port 5	D1	2600077911-5	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	147.7	136.7 - 147.7
PW-37 Port 6	D1	2600077911-6	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	205.7	195.7 - 205.7
PW-37 Port 7	D1	2600077911-7	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	218.7	208.7 - 218.7
PW-37 Port 8	D2	2600077911-8	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	256.7	245.7 - 256.7
PW-37 Port 9	D2	2600077911-9	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	297.7	277.7 - 297.7
PW-37 Port 10	D2	2600077911-10	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	342.7	327.7 - 342.7
PW-37 Port 11	D2	2600077911-11	06/06/08	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	367.7	347.7 - 367.7
PZ-02	S1	2600053313	05/06/99	IA-10	586629.3	728954.5	106.83	PVC	2	PVC Screen	10	2 - 10
PZ-03	S1	2600053314	05/07/99	IA-10	586756.6	728644.8	104.83	PVC	2	PVC Screen	15	5 - 15
PZ-04	S1	2600053356	05/27/99	IA-03	587776.9	729626.4	111.30	PVC	1	PVC Screen	10.5	1 - 10.5
PZ-05	S1	2600053319	05/27/99	IA-07	587178.9	728584.5	108.79	PVC	1	PVC Screen	16.0	6 - 16

Notes:

ft bgs = feet below ground surface.

NAD 83 = North American Datum of 1983.

NAVD 88 = North American vertical Datum of 1988.

**Table 2-1
Monitoring Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						

N/A = not available or not applicable.

*PW-37 installed prior to 1965. Flute installation completed 5/18/06.

**CH-17 installed on 09/28/09. Flute installation completed 12/14/11.

Shaded well designations indicate newly-installed wells (since those described in the January 2017 Site-Wide Groundwater Progress Report).

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
ART-4	IWAS	S2	E201411687	09/19/14	IA-12	587851.2	729720.3	123.02	Stainless	6	Stainless Screen	51.5	3.5 - 50.5
ART-5	IWAS	S2	E201410706	09/03/14	IA-12	587877.3	729671.2	122.34	Stainless	6	Stainless Screen	51.5	3.5 - 50.5
ART-6	IWAS	S2	E201410819	08/21/14	IA-12	587828.1	729684.7	123.52	Stainless	6	Stainless Screen	51.5	3.5 - 50.5
ART-7	IWAS	S2	E201504271	05/18/15	IA-06	586959.9	729318.1	116.00	Stainless	6	Screen	70.5	29 - 69
ART-8	IWAS	S2	E201415818	12/17/14	IA-06	587031.6	729288.1	115.39	Stainless	6	Screen	70	30 - 70
ART-9	IWAS	S2	E201503981	05/12/15	IA-06	587097.7	729248.6	116.00	Stainless	6	Screen	69	33 - 68
ART-10	IWAS	S2	E201504272	02/28/15	IA-06	586951.0	729271.8	116.00	Stainless	6	Screen	73	32 - 72
ART-11	IWAS	S2	E201503931	05/13/15	IA-06	587005.2	729237.6	115.00	Stainless	6	Screen	60.5	29.5 - 59.5
ART-12	IWAS	S2	E201503982	05/11/15	IA-06	587071.0	729212.7	115.00	Stainless	6	Screen	73	37 - 72
ART-13	IWAS	S2	E201504273	06/03/15	IA-06	586944.5	729211.0	115.00	Stainless	6	Screen	70	29 - 69
ART-14	IWAS	S2	E201503933	05/14/15	IA-06	586987.9	729182.1	114.00	Stainless	6	Screen	60	29 - 59
ART-15	IWAS	S2	E201503934	05/15/15	IA-06	586988.0	729128.9	114.00	Stainless	6	Screen	60	34 - 59
ART-16	IWAS	S2	E201500481	02/05/15	IA-07	587387.3	728472.8	107.89	Stainless	6	Stainless Screen	44.5	3 - 18
													23 - 33
													38 - 43
ART-17	IWAS	S2	E201507645	07/23/15	IA-12	587875.5	729882.7	122.11	Stainless	6	Stainless Screen	61.0	15 - 35
ART-18	IWAS	S2	E201509196	08/18/15	IA-12	587911.9	729860.0	122.21	Stainless	6	Stainless Screen	61.0	40 - 60
													15 - 35
ART-19	IWAS	S2	E201509198	09/01/15	IA-12	587943.2	729848.6	123.25	Stainless	6	Stainless Screen	61.0	40 - 60
													15 - 35
ART-20	IWAS	S2	E201507647	07/27/15	IA-12	587841.7	729817.7	122.77	Stainless	6	Stainless Screen	61.0	40 - 60
													15 - 35
ART-21	IWAS	S2	E201509195	08/21/15	IA-12	587883.2	729829.8	123.03	Stainless	6	Stainless Screen	61.0	40 - 60
													15 - 35
ART-22	IWAS	S2	E201511377	10/08/15	IA-12	587929.5	729807.3	123.30	Stainless	6	Stainless Screen	61.0	5 - 35
													40 - 60
ART-23	IWAS	S2	E201509741	09/17/15	IA-12	587997.8	729812.0	123.77	Stainless	6	Stainless Screen	61.0	5 - 35
													40 - 60
ART-26	IWAS	S2	E201509530	09/03/15	IA-12	587864.8	729779.9	122.66	Stainless	6	Stainless Screen	61.0	15 - 35
													40 - 60
ART-27	IWAS	S2	E201509718	09/17/15	IA-12	587837.7	729744.6	122.06	Stainless	6	Stainless Screen	61.0	15 - 35
													40 - 60
ART-28	IWAS	S2	E201508761	08/13/15	IA-12	587916.8	729665.5	122.71	Stainless	6	Stainless Screen	61.0	15 - 35
													40 - 60
ART-29	IWAS	S2	E201507727	09/25/15	IA-12	587788.5	729714.0	124.67	Stainless	6	Stainless Screen	61.0	15 - 35
													40 - 60
ART-30	IWAS	S2	E201506889	07/21/15	IA-12	587884.6	729642.5	122.43	Stainless	6	Stainless Screen	61.0	15 - 35
													40 - 60

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
ART-31	IWAS	S2	E201506934	08/26/15	IA-03	587754.0	729546.6	120.77	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-32	IWAS	S2	E201506936	09/18/15	IA-03	587799.7	729587.2	120.14	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-33	IWAS	S2	E201506935	09/02/15	IA-04	587717.0	729587.6	123.07	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-34	IWAS	S2	E201506937	07/14/15	IA-03	587754.0	729546.7	120.78	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-35	IWAS	S2	E201506938	08/12/15	IA-03	587711.9	729531.4	121.77	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-36	IWAS	S2	E201509742	09/10/15	IA-12	588027.3	729778.0	124.51	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-37	IWAS	S2	E201508759	08/20/15	IA-12	588020.8	729729.8	124.51	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-38	IWAS	S2	E201508762	08/21/15	IA-12	587996.2	729679.8	124.68	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-39	IWAS	S2	E201506903	07/16/15	IA-12	587967.5	729642.9	123.96	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-40	IWAS	S2	E201506905	07/14/15	IA-12	587942.3	729611.1	123.77	Stainless	6	Stainless Screen	61.0	15 - 35 40 - 60
ART-41	IWAS	S3	E201506127	07/13/15	IA-01	587154.0	730079.5	120.67	Stainless	6	Stainless Screen	91.0	30 - 50 70 - 90
ART-42	IWAS	S3	E201506128	07/13/15	IA-04	587211.3	730045.9	120.86	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-43	IWAS	S3	E201508406	09/14/15	IA-01	587121.4	730057.2	121.28	Stainless	6	Stainless Screen	91.0	30 - 50 70 - 90
ART-44	IWAS	S3	E201506762	07/21/15	IA-04	587220.9	730002.7	121.43	Stainless	6	Stainless Screen	91.0	20 - 50 60 - 90
ART-45	IWAS	S2	E201508898	09/11/15	IA-01	587083.5	730044.0	120.81	Stainless	6	Stainless Screen	71.0	15 - 40 50 - 70
ART-46	IWAS	S2	E201508899	09/14/15	IA-01	587141.9	730006.3	121.17	Stainless	6	Stainless Screen	71.0	15 - 40 50 - 70
ART-47	IWAS	S2	E201506760	07/23/15	IA-04	587201.7	729968.5	121.46	Stainless	6	Stainless Screen	71.0	15 - 35 45 - 70
ART-48	IWAS	S2	E201508900	09/11/15	IA-01	587080.2	729974.6	120.93	Stainless	6	Stainless Screen	71.0	15 - 30 40 - 70
ART-49	IWAS	S2	E201508901	09/11/15	IA-04	587149.7	729953.9	120.95	Stainless	6	Stainless Screen	71.0	20 - 40 50 - 70
ART-50	IWAS	S2	E201506761	07/28/15	IA-04	587208.9	729915.3	122.05	Stainless	6	Stainless Screen	71.0	20 - 35 55 - 70

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
ART-51	IWAS	S2	E201509142	08/27/15	IA-01	587018.8	729942.3	120.53	Stainless	6	Stainless Screen	71.0	15 - 45 50 - 70
ART-52	IWAS	S2	E201508902	09/14/15	IA-01	587076.7	729904.5	121.07	Stainless	6	Stainless Screen	71.0	20 - 40 50 - 70
ART-53	IWAS	S2	E201507212	07/28/15	IA-04	587136.5	729866.3	120.89	Stainless	6	Stainless Screen	71.0	20 - 40 50 - 70
ART-54	IWAS	S2	E201508650	08/05/15	IA-01	586910.1	729936.9	120.67	Stainless	6	Stainless Screen	71.0	10 - 30 50 - 70
ART-55	IWAS	S2	E201508407	09/14/15	IA-01	586955.7	729911.0	120.34	Stainless	6	Stainless Screen	71.0	20 - 40 50 - 70
ART-56	IWAS	S2	E201508408	08/25/15	IA-01	587012.3	729873.5	120.39	Stainless	6	Stainless Screen	71.0	20 - 40 50 - 70
ART-57	IWAS	S2	E201508409	08/19/15	IA-01	587073.9	729834.1	120.58	Stainless	6	Stainless Screen	71.0	20 - 45 50 - 70
ART-58	IWAS	S3	E201506012	07/07/15	IA-01	586844.4	729903.2	119.65	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-59	IWAS	S3	E201506013	06/19/15	IA-01	586888.2	729872.1	119.63	Stainless	6	Stainless Screen	91.0	20 - 40 70 - 90
ART-60	IWAS	S3	E201506014	08/10/15	IA-01	586949.2	729829.1	120.17	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-61	IWAS	S3	E201506015	08/31/15	IA-01	587004.1	729791.0	120.54	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-62	IWAS	S3	E201506467	07/27/15	IA-04	587066.4	729752.3	120.58	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-63	IWAS	S3	E201506016	06/30/15	IA-01	586855.5	729821.6	120.40	Stainless	6	Stainless Screen	91.0	30 - 50 70 - 90
ART-64	IWAS	S3	E201506017	08/05/15	IA-01	586917.0	729781.2	120.42	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-65	IWAS	S3	E201508410	08/31/15	IA-01	586973.1	729744.6	120.95	Stainless	6	Stainless Screen	91.0	25 - 55 70 - 90
ART-66	IWAS	S3	E201506468	08/03/15	IA-04	587032.3	729707.0	121.09	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-67	IWAS	S3	E201506018	08/11/15	IA-01	586853.2	729750.2	120.02	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-68	IWAS	S3	E201506945	07/27/15	IA-01	586907.8	729714.9	120.25	Stainless	6	Stainless Screen	91.0	30 - 50 70 - 90
ART-69	IWAS	S3	E201506946	07/30/15	IA-01	586970.0	729675.6	120.41	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-70	IWAS	S3	E201506019	09/04/15	IA-01	586835.3	729677.2	119.31	Stainless	6	Stainless Screen	91.0	30 - 50 70 - 90

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
ART-71	IWAS	S3	E201506947	07/23/15	IA-01	586908.7	729643.7	119.11	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-72	IWAS	S3	E201506469	07/23/15	IA-02	586967.5	729604.8	118.97	Stainless	6	Stainless Screen	91.0	30 - 60 70 - 90
ART-73	IWAS	S3	E201506948	07/28/15	IA-01	586848.1	729619.3	118.61	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-74	IWAS	S3	E201506949	08/26/15	IA-02	586911.2	729563.3	118.35	Stainless	6	Stainless Screen	91.0	20 - 60 70 - 90
ART-75	IWAS	S1	E201509618	08/27/15	IA-06	586819.3	729255.6	114.64	Stainless	6	Screen	30	4 - 29
ART-76	IWAS	S1	E201509619	08/31/15	IA-06	586840.7	729241.5	114.76	Stainless	6	Screen	30	4 - 29
ART-77	IWAS	S2	E201509621	08/28/15	IA-06	586830.6	729239.7	114.89	Stainless	6	Screen	45.5	29 - 44
ART-78	IWAS	S1	E201509620	08/31/15	IA-06	586821.1	729228.6	114.62	Stainless	6	Screen	30	4 - 29
ART-79	IWAS	S2	E201507859	08/14/15	IA-06	586851.7	729201.2	113.84	Stainless	6	Stainless Screen	65.5	4 - 29 34 - 64
ART-80	IWAS	S2	E201507858	08/14/15	IA-06	586803.9	729208.0	114.29	Stainless	6	Stainless Screen	65.5	4 - 29 34 - 64
ART-81	IWAS	S2	E201507860	08/04/15	IA-06	586848.6	729143.0	113.57	Stainless	6	Stainless Screen	65.5	4 - 29 34 - 64
ART-82	IWAS	S2	E201507861	08/05/15	IA-06	586791.8	729150.9	113.88	Stainless	6	Screen	65.5	24 - 64
ART-83	IWAS	S2	E201510165	10/02/15	IA-06	586854.2	729072.8	112.96	Stainless	6	Stainless Screen	65.5	4 - 29 34 - 64
ART-84	IWAS	S2	E201510166	09/30/15	IA-06	586762.8	729107.6	114.35	Stainless	6	Screen	65.5	24 - 64
ART-85	IWAS	S2	E201510167	09/29/15	IA-06	586818.2	729078.5	114.01	Stainless	6	Screen	65.5	24 - 64
ART-86	IWAS	S3	E201509972	09/30/15	IA-06	586756.6	729068.1	113.87	Stainless	6	Screen	75.5	49 - 74
ART-87	IWAS	S2	E201510168	09/30/15	IA-06	586745.0	729058.4	113.48	Stainless	6	Screen	60.5	34 - 59
ART-88	IWAS	S3	E201509973	09/30/15	IA-06	586761.6	729015.3	113.66	Stainless	6	Screen	75.5	44 - 74
ART-89	IWAS	S1	E201510617	09/14/15	IA-06	586785.8	729170.0	113.68	Stainless	6	Screen	30	4 - 29
ART-90	IWAS	S2	E201514692	01/15/16	IA-07	587547.0	729030.3	114.53	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-91	IWAS	S2	E201514693	01/19/16	IA-07	587492.3	729043.8	114.19	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-92	IWAS	S2	E201514694	01/19/16	IA-07	587604.0	728994.0	115.25	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-93	IWAS	S2	E201514809	01/14/16	IA-07	587451.1	728989.5	113.99	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-94	IWAS	S2	E201514811	01/22/16	IA-07	587529.6	728965.2	111.07	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-95	IWAS	S2	E201514812	02/01/16	IA-07	587383.0	728942.8	113.58	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41

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Remediation Well Construction Details
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Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
ART-96	IWAS	S2	E201514814	01/12/16	IA-07	587463.0	728918.6	112.65	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-97	IWAS	S2	E201514815	01/06/16	IA-07	587361.8	728863.4	110.97	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-98	IWAS	S2	E201514818	01/18/16	IA-07	587423.7	728842.2	112.89	Stainless	6	Stainless Screen	42.5	6 - 26 31 - 41
ART-99	IWAS	S3	E201608423	07/27/16	IA-02	587150.9	729294.3	114.58	Stainless	6	Stainless Screen	71.0	6.8 - 33.1 38.5 - 69.8
ART-100	IWAS	S3	E201608424	07/28/16	IA-02	587129.6	729285.7	114.67	Stainless	6	Stainless Screen	71.0	7 - 33 39 - 70
ART-101	IWAS	S2	E201607402	07/08/16	IA-12	587970.1	729760.4	124.31	Stainless	6	Stainless Screen	61.0	5 - 35 40 - 60
ART-102	IWAS	S2	E201607403	07/07/16	IA-12	587946.4	729722.0	123.95	Stainless	6	Stainless Screen	61.0	5 - 35 40 - 60
ART-103	IWAS	S2	E201609134	08/11/16	IA-07	587469.5	729083.6	114.57	Stainless	6	Stainless Screen	42.5	5.5 - 25.5 30.5 - 40.5
ART-104	IWAS	S2	E201609135	08/11/16	IA-07	587428.5	729030.6	113.67	Stainless	6	Stainless Screen	42.5	5.5 - 25.5 30.5 - 40.5
BIOS-1B	Biosparge	S2	E201507679	08/10/15	IA-06	586792.5	729179.1	114.30	PVC	2	PVC Screen	70	60 - 70
BIOS-2B	Biosparge	S2	E201507680	08/10/15	IA-06	586825.2	729158.9	113.66	PVC	2	PVC Screen	70	60 - 70
BIOS-3B	Biosparge	S2	E201507681	08/10/15	IA-06	586854.8	729140.1	113.66	PVC	2	PVC Screen	70	60 - 70
BIOS-4B	Biosparge	S2	E201507682	08/10/15	IA-06	586775.7	729152.3	113.23	PVC	2	PVC Screen	70	60 - 70
BIOS-5B	Biosparge	S2	E201507683	08/10/15	IA-06	586821.0	729124.1	113.19	PVC	2	PVC Screen	70	60 - 70
BIOS-6B	Biosparge	S2	E201507684	08/10/15	IA-06	586855.8	729102.4	112.83	PVC	2	PVC Screen	70	60 - 70
BIOS-7B	Biosparge	S2	E201509710	08/27/15	IA-06	586762.8	729123.6	113.50	PVC	2	PVC Screen	70	60 - 70
BIOS-8B	Biosparge	S2	E201509109	08/20/15	IA-06	586797.7	729100.3	114.43	PVC	2	PVC Screen	70	60 - 70
BIOS-9B	Biosparge	S2	E201509708	08/26/15	IA-06	586838.8	729076.1	113.33	PVC	2	PVC Screen	70	60 - 70
BIOS-10B	Biosparge	S2	E201509707	08/28/15	IA-06	586742.2	729099.8	113.04	PVC	2	PVC Screen	70	60 - 70
BIOS-11B	Biosparge	S2	E201509706	08/24/15	IA-06	586766.7	729084.4	114.56	PVC	2	PVC Screen	70	60 - 70
BIOS-12B	Biosparge	S2	E201509472	08/20/15	IA-06	586802.7	729070.3	114.31	PVC	2	PVC Screen	70	60 - 70
BIOS-13B	Biosparge	S2	E201509469	08/28/15	IA-06	586738.9	729064.1	113.65	PVC	2	PVC Screen	65	55 - 65
BIOS-14B	Biosparge	S2	E201509164	08/20/15	IA-06	586781.2	729036.6	114.46	PVC	2	PVC Screen	65	55 - 65
BIOS-15B	Biosparge	S2	E201509152	08/20/15	IA-06	586742.2	729029.5	113.22	PVC	2	PVC Screen	65	55 - 65
CGVP-3	vapor point	S1	E201315039	10/17/13	IA-06	586850.9	729284.2	114.94	PVC	1	Screen	9	2.5 - 9
CGVP-4	vapor point	S1	E201315040	10/17/13	IA-06	586829.4	729297.4	114.53	PVC	1	Screen	9	2.5 - 9
CGVP-5	vapor point	S1	E201315041	10/17/13	IA-06	586867.8	729273.6	114.93	PVC	1	Screen	9	2.5 - 9
CGVP-6	vapor point	S1	E201315042	10/18/13	IA-06	586850.9	729275.3	114.96	PVC	1	Screen	9	2.5 - 9
CGVP-7	vapor point	S1	E201315043	10/18/13	IA-06	586833.7	729247.8	115.03	PVC	1	Screen	9	2.5 - 9
CGVP-8	vapor point	S1	E201315044	10/18/13	IA-06	586834.3	729230.4	114.93	PVC	1	Screen	9	2.5 - 9
CGVP-11	vapor point	S1	E201315047	10/18/13	IA-06	586798.0	729228.8	114.40	PVC	1	Screen	9	2.5 - 9
CGVP-13	vapor point	S1	E201315049	10/18/13	IA-06	586840.3	729202.1	114.32	PVC	1	Screen	9	2.5 - 9
CGVP-14	vapor point	S1	E201315050	10/18/13	IA-06	586820.1	729207.7	114.89	PVC	1	Screen	9	2.5 - 9

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Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
CGVP-15	vapor point	S1	E201315051	10/18/13	IA-06	586817.6	729203.7	114.74	PVC	1	Screen	9	2.5 - 9
CGVP-16	vapor point	S1	E201315052	10/18/13	IA-06	586808.3	729197.8	114.79	PVC	1	Screen	9	2.5 - 9
EGVP-7	vapor point	S1	E201305522	04/23/13	IA-06	586970.2	729153.8	113.99	PVC	1	Screen	9	2.5 - 9
EGVP-10	vapor point	S1	E201305541	04/23/13	IA-06	586929.5	729168.9	113.95	PVC	1	Screen	9	2.5 - 9
EGVP-11	vapor point	S1	E201305542	04/25/13	IA-06	586925.1	729171.4	114.16	PVC	1	Screen	9	2.5 - 9
EGVP-12	vapor point	S1	E201305543	04/25/13	IA-06	586916.2	729166.2	114.05	PVC	1	Screen	9	2.5 - 9
EGVP-13	vapor point	S1	E201305547	04/25/13	IA-06	586924.4	729160.5	114.00	PVC	1	Screen	9	2.5 - 9
EGVP-14	vapor point	S1	E201305548	04/25/13	IA-06	586911.9	729168.7	114.07	PVC	1	Screen	9	2.5 - 9
EGVP-15	vapor point	S1	E201305549	04/25/13	IA-06	586919.5	729152.9	113.72	PVC	1	Screen	9	2.5 - 9
EGVP-16	vapor point	S1	E201305550	04/24/13	IA-06	586929.7	729140.6	114.04	PVC	1	Screen	9	2.5 - 9
EGVP-17	vapor point	S1	E201305551	04/25/13	IA-06	586915.3	729137.1	113.42	PVC	1	Screen	9	2.5 - 9
EGVP-18	vapor point	S1	E201309758	07/16/13	IA-06	586938.3	729256.4	115.31	PVC	1	Screen	9	2.5 - 9
EGVP-19	vapor point	S1	E201309776	07/16/13	IA-06	586983.9	729232.5	115.15	PVC	1	Screen	9	2.5 - 9
EGVP-21	vapor point	S1	E201309779	08/02/13	IA-06	586919.5	729226.3	114.88	PVC	1	Screen	9	2.5 - 9
EGVP-23	vapor point	S1	E201309798	07/18/13	IA-06	586897.5	729191.3	114.29	PVC	1	Screen	9	2.5 - 9
EGVP-24	vapor point	S1	E201309799	07/15/13	IA-06	586996.7	729129.3	113.66	PVC	1	Screen	9	2.5 - 9
EGVP-25	vapor point	S1	E201309800	07/17/13	IA-06	586893.7	729136.2	113.47	PVC	1	Screen	9	2.5 - 9
EGVP-26	vapor point	S1	E201309803	07/18/13	IA-06	586944.9	729098.5	113.20	PVC	1	Screen	9	2.5 - 9
EGVP-27	vapor point	S1	E201310078	07/16/13	IA-06	586855.7	729124.1	113.52	PVC	1	Screen	9	2.5 - 9
EGVP-28	vapor point	S1	E201310079	07/16/13	IA-06	586954.8	729051.8	112.39	PVC	1	Screen	9	2.5 - 9
EGVP-29	vapor point	S1	E201310080	07/17/13	IA-06	586878.9	729153.3	113.81	PVC	1	Screen	9	2.5 - 9
EGVP-30	vapor point	S1	E201310081	07/15/13	IA-06	586910.9	729093.2	112.12	PVC	1	Screen	9	2.5 - 9
EW-01	Extraction	S2	E201511979	10/16/15	IA-12	587951.7	729735.7	123.32	Stainless	6	Stainless Screen	50	30 - 50
EW-26C	Extraction	S3	E201511797	10/20/15	IA-11	587424.9	727832.8	107.31	Steel	6	Open Hole	75	40 - 75
IA2-VP-01	vapor point	S1	E201503943	04/30/15	IA-02	587027.6	729178.1	114.55	PVC	1	PVC Screen	15	4.5 - 14.5
IA2-VP-02	vapor point	S1	E201503945	04/30/15	IA-02	587033.3	729204.9	114.75	PVC	1	PVC Screen	15	4.5 - 14.5
IA6-VP1	vapor point	S1	E201508919	09/01/15	IA-06	586780.9	729275.5	113.51	PVC	1	PVC Screen	10	2 - 10
IA6-VP2	vapor point	S1	E201508920	09/01/15	IA-06	586788.9	729271.1	113.71	PVC	1	PVC Screen	10	2 - 10
IA6-VP3	vapor point	S1	E201508921	09/02/15	IA-06	586811.5	729261.4	114.66	PVC	1	PVC Screen	10	2 - 10
IA6-VP4	vapor point	S1	E201508922	09/03/15	IA-06	586843.2	729265.7	115.01	PVC	1	PVC Screen	10	2 - 10
IA6-VP5	vapor point	S1	E201508923	09/03/15	IA-06	586863.3	729223.5	114.59	PVC	1	PVC Screen	10	2 - 10
IA6-VP6	vapor point	S1	E201508924	09/04/15	IA-06	586818.7	729223.8	114.68	PVC	1	PVC Screen	11.5	2 - 11.5
IA6-VP7	vapor point	S1	E201507703	08/03/15	IA-06	586763.4	729202.3	113.41	PVC	1	PVC Screen	14.5	4 - 14.5
IA6-VP8	vapor point	S1	E201507704	07/29/15	IA-06	586791.5	729184.9	114.18	PVC	1	PVC Screen	13.5	4 - 13.5
IA6-VP9	vapor point	S1	E201507705	07/29/15	IA-06	586800.7	729164	113.97	PVC	1	PVC Screen	13.5	4 - 13.5
IA6-VP10	vapor point	S1	E201507706	08/03/15	IA-06	586841.7	729138.7	113.33	PVC	1	PVC Screen	14	4 - 14
IA6-VP11	vapor point	S1	E201508925	09/01/15	IA-06	586807.6	729040.3	113.10	PVC	1	PVC Screen	10	2 - 10
IA7-VP1	vapor point	S1	E201601287	02/08/16	IA-07	587513.1	729057.7	114.91	PVC	1	PVC Screen	8	3 - 8
IA7-VP2	vapor point	S1	E201601288	02/08/16	IA-07	587621.2	728982.8	116.07	PVC	1	PVC Screen	8	3 - 8
IA7-VP3	vapor point	S1	E201601289	02/09/16	IA-07	587443.0	729005.5	114.64	PVC	1	PVC Screen	8	3 - 8
IA7-VP4	vapor point	S1	E201601290	02/09/16	IA-07	587486.6	729007.0	114.63	PVC	1	PVC Screen	8	3 - 8
IA7-VP5	vapor point	S1	E201601291	02/08/16	IA-07	587534.6	728976.6	112.79	PVC	1	PVC Screen	8	3 - 8
IA7-VP6	vapor point	S1	E201601292	02/09/16	IA-07	587437.8	728960.0	113.61	PVC	1	PVC Screen	8	3 - 8
IA7-VP7	vapor point	S1	E201601293	02/09/16	IA-07	587485.6	728954.6	113.30	PVC	1	PVC Screen	8	3 - 8
IA7-VP8	vapor point	S1	E201601294	02/08/16	IA-07	587551.7	728944.7	110.93	PVC	1	PVC Screen	8	3 - 8

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						(Survey ft, NAD83)							
						East (X)	North (Y)						
IA7-VP9	vapor point	S1	E201601297	02/09/16	IA-07	587370.2	728924.3	112.41	PVC	1	PVC Screen	8	3 - 8
IA7-VP10	vapor point	S1	E201601295	02/09/16	IA-07	587448.9	728906.3	113.38	PVC	1	PVC Screen	8	3 - 8
IA7-VP11	vapor point	S1	E201601298	02/09/16	IA-07	587376.9	728856.7	112.26	PVC	1	PVC Screen	8	3 - 8
IA7-VP12	vapor point	S1	E201601296	02/09/16	IA-07	587430.2	728836.5	112.20	PVC	1	PVC Screen	8	3 - 8
IA11-VP5	vapor point	S1	E201508058	07/28/15	IA-11	587413.3	728106.8	108.00	PVC	1	PVC Screen	15	5 - 15
IA11-VP6	vapor point	S1	E201508059	07/24/15	IA-11	587382.4	728122.9	106.82	PVC	1	PVC Screen	15	5 - 15
IA11-VP7	vapor point	S1	E201508926	08/24/15	IA-11	587360.7	728170.3	105.94	PVC	1	PVC Screen	15	5 - 15
IA11-VP8	vapor point	S1	E201508927	08/25/15	IA-11	587346.7	728199.2	105.49	PVC	1	PVC Screen	15	5 - 15
IA11-VP9	vapor point	S1	E201508928	08/25/15	IA-11	587307.8	728232.1	104.62	PVC	1	PVC Screen	15	5 - 15
IA11-VP10	vapor point	S1	E201508929	08/26/15	IA-11	587301.2	728217.9	104.54	PVC	1	PVC Screen	15	5 - 15
IA11-VP11	vapor point	S1	E201508060	08/27/15	IA-11	587288.7	728350.4	104.55	PVC	1	PVC Screen	15	5 - 15
IA11-VP12	vapor point	S1	E201508061	07/24/15	IA-11	587269.1	728327.1	103.90	PVC	1	PVC Screen	15	5 - 15
IA11-VP13	vapor point	S1	E201508930	08/19/15	IA-11	587269.5	728196.5	103.77	PVC	1	PVC Screen	15	5 - 15
IA11-VP14	vapor point	S1	E201508931	08/20/15	IA-11	587259.5	728190.1	102.85	PVC	1	PVC Screen	15	5 - 15
IA11-VP15	vapor point	S1	E201508932	08/21/15	IA-11	587251.3	728161.4	102.42	PVC	1	PVC Screen	15	5 - 15
IA11-VP16	vapor point	S1	E201508933	08/21/15	IA-11	587244.8	728192.8	102.51	PVC	1	PVC Screen	15	5 - 15
IA11-VP17	vapor point	S1	E201508062	07/21/15	IA-11	587196.3	728318.7	102.92	PVC	1	PVC Screen	15	5 - 15
IA11-VP18	vapor point	S1	E201508063	07/21/15	IA-11	587171.4	728330.0	102.89	PVC	1	PVC Screen	15	5 - 15
IA11-VP19	vapor point	S1	E201508064	07/21/15	IA-11	587164.5	728302.1	102.37	PVC	1	PVC Screen	15	5 - 15
IA11-VP22	vapor point	S1	E201508065	07/30/15	IA-11	587302.6	727914.2	102.92	PVC	1	PVC Screen	15	5 - 15
IA11-VP23	vapor point	S1	E201508066	07/30/15	IA-11	587280.6	727908.7	101.91	PVC	1	PVC Screen	15	5 - 15
IA11-VP24	vapor point	S1	E201508067	07/20/15	IA-11	587257.6	728046.3	102.72	PVC	1	PVC Screen	15	5 - 15
IA11-VP25	vapor point	S1	E201508068	07/20/15	IA-11	587222.8	728061.2	101.74	PVC	1	PVC Screen	15	5 - 15
IA11-VP26	vapor point	S1	E201508069	07/20/15	IA-11	587208.0	728118.4	101.35	PVC	1	PVC Screen	15	5 - 15
IA11-VP27	vapor point	S1	E201508070	07/21/15	IA-11	587174.7	728118.6	100.36	PVC	1	PVC Screen	15	5 - 15
IA11-VP28	vapor point	S1	E201509001	08/18/15	IA-11	587160.1	728207.7	100.79	PVC	1	PVC Screen	15	5 - 15
IA11-VP29	vapor point	S1	E201509002	08/18/15	IA-11	587147.1	728196.6	100.22	PVC	1	PVC Screen	15	5 - 15
IA12-VP1	vapor point	S1	E201412202	09/19/14	IA-12	587833.6	729679.1	122.88	PVC	2	PVC Screen	16.8	2 - 16.8
IA12-VP2	vapor point	S1	E201412203	09/19/14	IA-12	587842.6	729687.7	122.81	PVC	2	PVC Screen	15.6	2 - 15.6
IA12-VP3	vapor point	S1	E201412204	09/19/14	IA-12	587800.1	729708.5	124.73	PVC	2	PVC Screen	19.5	2 - 19.5
IA12-VP4	vapor point	S1	E201412205	09/19/14	IA-12	587869.9	729718.9	122.94	Stainless	1	Stainless Screen	12.6	2 - 12.6
IA12-VP5	vapor point	S1	E201412206	09/19/14	IA-12	587892.0	729649.0	122.51	PVC	2	PVC Screen	17.1	2 - 17.1
IA12-VP6	vapor point	S1	E201412207	09/19/14	IA-12	587899.7	729682.4	122.62	PVC	2	PVC Screen	15.4	2 - 15.4
IA12-VP7	vapor point	S1	E201507764	08/04/15	IA-12	587867.6	729858.5	122.81	PVC	1	PVC Screen	13	2 - 12
IA12-VP8	vapor point	S1	E201507765	08/04/15	IA-12	587872.8	729857.1	122.78	PVC	1	PVC Screen	13	2 - 12
IA12-VP9	vapor point	S1	E201509202	08/17/15	IA-12	587937.3	729849.8	123.20	PVC	1	PVC Screen	12	2 - 12
IA12-VP10	vapor point	S1	E201509203	08/17/15	IA-12	587933.8	729846.8	123.30	PVC	1	PVC Screen	12	2 - 12
IA12-VP11	vapor point	S1	E201511100	09/22/15	IA-12	588014.5	729704.3	124.59	PVC	1	PVC Screen	12	2 - 12
IA12-VP12	vapor point	S1	E201511101	09/22/15	IA-12	588023.0	729698.5	124.91	PVC	1	PVC Screen	12	2 - 12
IA12-VP13	vapor point	S1	E201509425	08/18/15	IA-12	587815.8	729737.6	123.32	PVC	1	PVC Screen	12	2 - 12
IA12-VP14	vapor point	S1	E201509426	08/18/15	IA-12	587819.9	729734.5	123.07	PVC	1	PVC Screen	12	2 - 12
IA12-VP15	vapor point	S1	E201509427	08/18/15	IA-12	587847.7	729694.4	122.48	PVC	1	PVC Screen	12	2 - 12
IA12-VP16	vapor point	S1	E201509428	08/18/15	IA-12	587912.4	729674.4	122.75	PVC	1	PVC Screen	12	2 - 12
IA12-VP17	vapor point	S1	E201506939	09/11/15	IA-04	587738.0	729606.3	124.33	PVC	1	PVC Screen	12	2 - 12
IA12-VP18	vapor point	S1	E201506940	09/11/15	IA-04	587742.0	729602.9	124.45	PVC	1	PVC Screen	12	2 - 12

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Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IA12-VP19	vapor point	S1	E201506941	09/15/15	IA-03	587808.6	729565.2	119.30	PVC	1	PVC Screen	12	2 - 12
IA12-VP20	vapor point	S1	E201506942	09/15/15	IA-03	587813.6	729561.8	118.91	PVC	1	PVC Screen	12	2 - 12
IA12-VP21	vapor point	S1	E201506943	09/14/15	IA-04	587681.7	729527.7	120.73	PVC	1	PVC Screen	12	2 - 12
IA12-VP22	vapor point	S1	E201506944	09/14/15	IA-04	587678.2	729523.5	120.62	PVC	1	PVC Screen	12	2 - 12
IA15-VP1	vapor point	S1	E201508995	08/17/15	IA-15	587496.0	727475.3	99.38	PVC	1	PVC Screen	15	5 - 15
IA15-VP2	vapor point	S1	E201508050	08/04/15	IA-15	587397.6	727567.9	97.04	PVC	1	PVC Screen	15	5 - 15
IA15-VP3	vapor point	S1	E201508051	08/03/15	IA-15	587386.0	727580.5	97.23	PVC	1	PVC Screen	15	5 - 15
IA15-VP4	vapor point	S1	E201508052	08/04/15	IA-15	587379.9	727592.2	98.11	PVC	1	PVC Screen	15	5 - 15
IA15-VP5	vapor point	S1	E201508053	08/06/15	IA-15	587378.1	727606.5	99.16	PVC	1	PVC Screen	15	5 - 15
IA15-VP6	vapor point	S1	E201508996	08/12/15	IA-15	587476.6	727353.1	95.91	PVC	1	PVC Screen	15	5 - 15
IA15-VP7	vapor point	S1	E201508997	08/12/15	IA-15	587428.3	727456.1	96.75	PVC	1	PVC Screen	15	5 - 15
IA15-VP8	vapor point	S1	E201508998	08/13/15	IA-15	587434.6	727443.7	96.82	PVC	1	PVC Screen	15	5 - 15
IW-1C	injection	S3	E201405826	06/11/14	IA-11	587192.5	728197.3	101.34	Steel	6	Open Hole	88	63 - 88
IW-2C	injection	S3	E201405827	07/01/14	IA-11	587227.8	728187.7	102.13	Steel	6	Open Hole	87	62 - 87
IW-3C	injection	S3	E201405828	07/10/14	IA-11	587267.6	728159.8	103.00	Steel	6	Open Hole	90	65 - 90
IW-4C	injection	S3	E201406347	07/14/14	IA-11	587265.6	728167.5	103.02	Steel	6	Open Hole	65	35 - 65
IW-6B	injection	S2	E201407240	06/16/14	IA-11	587220.0	728208.1	102.03	PVC	6	Screen	32	22 - 32
IW-7C	injection	S3	E201407015	06/25/14	IA-11	587280.4	728107.2	103.40	Steel	6	Open Hole	63	33 - 63
IW-8A	injection	S1	E201410531	08/20/14	IA-12	587841.2	729720.5	123.65	Stainless	2	Stainless Screen	26	20 - 25
IW-8B-1	injection	S1	E201410479	08/15/14	IA-12	587842.6	729724.3	123.42	Stainless	2	Stainless Screen	38	33 - 38
IW-8B-2	injection	S2	E201410480	08/14/14	IA-12	587844.7	729728.5	123.53	Stainless	2	Stainless Screen	51	45 - 50
IW-8B3	injection	S2	E201509652	09/21/15	IA-12	587844.0	729718.2	123.65	Stainless	2	Stainless Screen	71	60 - 70
IW-9A	injection	S1	E201410530	08/21/14	IA-12	587859.5	729733.3	123.23	Stainless	2	Stainless Screen	26	20 - 25
IW-9B-1	injection	S1	E201410159	08/08/14	IA-12	587864.5	729730.3	122.51	Stainless	2	Stainless Screen	39	33 - 38
IW-9B-2	injection	S2	E201410160	08/25/14	IA-12	587867.9	729728.1	122.61	Stainless	2	Stainless Screen	51	45 - 50
IW-9B3	injection	S2	E201509653	09/23/15	IA-12	587868.4	729733.6	121.92	Stainless	2	Stainless Screen	71	60 - 70
IW-10A	injection	S1	E201411657	09/19/14	IA-12	587862.6	729704.3	122.65	Stainless	2	Stainless Screen	26	20 - 25
IW-10B-1	injection	S1	E201411689	09/19/14	IA-12	587859.4	729702.2	122.58	Stainless	2	Stainless Screen	39	33 - 38
IW-10B-2	injection	S2	E201411690	09/12/14	IA-12	587854.3	729699.3	122.42	Stainless	2	Stainless Screen	51	45 - 50
IW-10B3	injection	S2	E201509654	09/22/15	IA-12	587856.5	729707	122.61	Stainless	2	Stainless Screen	71	60 - 70
IW-11A	injection	S1	E201410460	08/22/14	IA-12	587872.8	729662.1	122.05	PVC	2	PVC Screen	28.2	13 - 18 22 - 27
IW-11B	injection	S2	E201410461	08/24/14	IA-12	587869.9	729664.0	122.25	PVC	2	PVC Screen	51.4	31 - 36 40 - 50
IW-12A	injection	S1	E201410462	09/02/14	IA-12	587892.3	729670.5	122.50	PVC	2	PVC Screen	28.2	13 - 18 22 - 27
IW-12B	injection	S2	E201410186	09/02/14	IA-12	587887.1	729659.6	122.38	PVC	2	PVC Screen	51.5	31.3 - 36.3 40.3 - 50.3

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Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-13A	injection	S1	E201410463	08/22/14	IA-12	587881.6	729691.5	122.58	PVC	2	PVC Screen	28.2	13 - 18 22 - 27
IW-13B	injection	S2	E201410187	08/22/14	IA-12	587886.0	729688.5	122.45	PVC	2	PVC Screen	51.2	31 - 36 40 - 50
IW-14	injection	S2	E201416604	01/21/15	IA-07	587381.4	728487.9	107.56	PVC	2	PVC Screen	40	5 - 40
IW-15	injection	S2	E201416605	02/06/15	IA-07	587404.8	728474.1	107.85	PVC	2	PVC Screen	40	5 - 40
IW-16	injection	S2	E201416606	02/12/15	IA-07	587400.3	728499.5	107.67	PVC	2	PVC Screen	40	5 - 40
IW-17	injection	S2	E201416607	01/12/15	IA-07	587404.9	728548.0	107.59	PVC	2	PVC Screen	40	5 - 40
IW-18	injection	S2	E201416608	01/22/15	IA-07	587426.0	728525.2	107.95	PVC	2	PVC Screen	40	5 - 40
IW-19	injection	S1	E201500398	01/28/15	IA-07	587418.4	728550.1	107.68	PVC	2	PVC Screen	15.0	5 - 15
IW-20	injection	S1	E201500399	01/22/15	IA-07	587430.0	728535.6	108.03	PVC	2	PVC Screen	15.0	5 - 15
IW-21	injection	S1	E201500400	01/29/15	IA-07	587372.8	728474.5	107.44	PVC	2	PVC Screen	15.0	5 - 15
IW-22	injection	S1	E201500401	01/22/15	IA-07	587382.6	728460.4	107.74	PVC	2	PVC Screen	15.0	5 - 15
IW-23A	injection	S1	E201507543	08/05/15	IA-12	587883.4	729871.5	122.65	Stainless	2	Stainless Screen	36	25 - 35
IW-23B2	injection	S2	E201507541	07/30/15	IA-12	587881.4	729866.4	122.78	Stainless	2	Stainless Screen	51	45 - 50
IW-23B3	injection	S2	E201507544	08/04/15	IA-12	587883.8	729871.7	122.60	Stainless	2	Stainless Screen	71	65 - 70
IW-24A	injection	S1	E201509199	08/26/15	IA-12	587948.9	729848.6	122.93	Stainless	2	Stainless Screen	31	25 - 30
IW-24B2	injection	S2	E201509201	08/27/15	IA-12	587947.7	729844.8	123.01	Stainless	2	Stainless Screen	51	45 - 50
IW-24B3	injection	S2	E201509200	08/25/15	IA-12	587949.1	729848.9	122.82	Stainless	2	Stainless Screen	71	65 - 70
IW-25A	injection	S1	E201509719	09/01/15	IA-12	587984.0	729819.8	123.53	Stainless	2	Stainless Screen	36	25 - 35
IW-25B2	injection	S2	E201509721	09/18/15	IA-12	587980.9	729822.6	123.33	Stainless	2	Stainless Screen	51	45 - 50
IW-25B3	injection	S2	E201509720	08/31/15	IA-12	587984.2	729820.0	123.52	Stainless	2	Stainless Screen	71	65 - 70
IW-26A	injection	S1	E201507545	08/13/15	IA-12	587862.2	729853.6	122.90	Stainless	2	Stainless Screen	36	25 - 35
IW-26B2	injection	S2	E201507542	08/07/15	IA-12	587862.4	729848.6	122.83	Stainless	2	Stainless Screen	51	40 - 50
IW-26B3	injection	S2	E201507546	08/11/15	IA-12	587862.3	729853.9	122.81	Stainless	2	Stainless Screen	71	65 - 70
IW-27A	injection	S1	E201511374	10/02/15	IA-12	587910.5	729814.5	123.48	Stainless	2	Stainless Screen	36	25 - 35
IW-27B2	injection	S2	E201511376	09/28/15	IA-12	587904.7	729822.3	123.53	Stainless	2	Stainless Screen	51	45 - 50
IW-27B3	injection	S2	E201511375	10/01/15	IA-12	587910.3	729814.7	123.50	Stainless	2	Stainless Screen	71	65 - 70
IW-28A	injection	S1	E201509725	09/11/15	IA-12	587987.1	729796.9	123.59	Stainless	2	Stainless Screen	31	15 - 30
IW-28B	injection	S2	E201509726	09/10/15	IA-12	587990.5	729793.2	123.64	Stainless	2	Stainless Screen	61.0	35 - 45 50 - 60
IW-30A	injection	S1	E201509503	09/15/15	IA-12	587859.3	729798.7	122.85	Stainless	2	Stainless Screen	36	25 - 35
IW-30B2	injection	S2	E201509505	09/04/15	IA-12	587856.6	729794.6	122.75	Stainless	2	Stainless Screen	51	45 - 50
IW-30B3	injection	S2	E201509504	09/14/15	IA-12	587859.5	729798.8	122.84	Stainless	2	Stainless Screen	71	65 - 70
IW-32A	injection	S1	E201509506	09/11/15	IA-12	587842.0	729778.7	122.94	Stainless	2	Stainless Screen	36	25 - 35
IW-32B2	injection	S2	E201509508	09/10/15	IA-12	587842.8	729773.9	122.88	Stainless	2	Stainless Screen	51	45 - 50
IW-32B3	injection	S2	E201509507	09/11/15	IA-12	587841.8	729778.6	122.91	Stainless	2	Stainless Screen	71	65 - 70
IW-35A	injection	S1	E201509655	09/16/15	IA-12	587885.1	729728.8	122.23	Stainless	2	Stainless Screen	29	13 - 28
IW-35B	injection	S2	E201509656	09/25/15	IA-12	587890.7	729728.3	122.36	Stainless	2	Stainless Screen	61.0	35 - 45 50 - 60
IW-36A	injection	S1	E201509509	08/28/15	IA-12	587901.5	729688.7	122.66	Stainless	2	Stainless Screen	30.5	15 - 20 25 - 30
IW-36B	injection	S2	E201509510	08/24/15	IA-12	587905.9	729686.2	122.59	Stainless	2	Stainless Screen	61	45 - 60
IW-38A	injection	S1	E201507729	07/23/15	IA-12	587808.6	729723.2	123.89	Stainless	2	Stainless Screen	36	25 - 35
IW-38B2	injection	S2	E201507731	07/22/15	IA-12	587814.0	729722.8	123.71	Stainless	2	Stainless Screen	51	45 - 50

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Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-38B3	injection	S2	E201507730	07/23/15	IA-12	587808.4	729723.2	123.91	Stainless	2	Stainless Screen	66	55 - 65
IW-39A	injection	S1	E201507957	07/17/15	IA-12	587886.6	729693.2	122.43	Stainless	2	Stainless Screen	36	25 - 35
IW-39B2	injection	S2	E201507952	07/15/15	IA-12	587888.8	729697.7	122.58	Stainless	2	Stainless Screen	51	45 - 50
IW-39B3	injection	S2	E201507962	07/17/15	IA-12	587886.3	729693.0	122.52	Stainless	2	Stainless Screen	71	65 - 70
IW-40A	injection	S1	E201507728	08/13/15	IA-12	587858.5	729689.7	122.31	Stainless	2	Stainless Screen	29.0	13 - 18 23 - 28
IW-40B	injection	S2	E201507735	08/12/15	IA-12	587861.4	729693.2	122.46	Stainless	2	Stainless Screen	61.0	35 - 45 50 - 60
IW-41A	injection	S1	E201507732	07/27/15	IA-12	587841.6	729676.0	122.40	Stainless	2	Stainless Screen	36	25 - 35
IW-41B2	injection	S2	E201507734	07/24/15	IA-12	587846.8	729678.0	122.15	Stainless	2	Stainless Screen	51	45 - 50
IW-41B3	injection	S2	E201507733	07/24/15	IA-12	587842.0	729675.9	122.41	Stainless	2	Stainless Screen	71	65 - 70
IW-42A	injection	S1	E201506995	07/29/15	IA-12	587921.6	729676.0	122.91	Stainless	2	Stainless Screen	36	25 - 35
IW-42B2	injection	S2	E201506989	08/04/15	IA-12	587924.2	729679.0	122.85	Stainless	2	Stainless Screen	51	45 - 50
IW-42B3	injection	S2	E201506996	07/28/15	IA-12	587921.8	729675.8	122.86	Stainless	2	Stainless Screen	71	65 - 70
IW-43A	injection	S1	E201506997	07/10/15	IA-12	587877.3	729651.9	122.09	Stainless	2	Stainless Screen	25	20 - 25
IW-43B2	injection	S2	E201506990	07/08/15	IA-12	587883.1	729650.5	122.25	Stainless	2	Stainless Screen	51	45 - 50
IW-43B3	injection	S2	E201506998	07/10/15	IA-12	587877.0	729652.1	122.09	Stainless	2	Stainless Screen	71	65 - 70
IW-44A	injection	S1	E201506909	08/10/15	IA-04	587741.9	729615.5	124.68	Stainless	2	Stainless Screen	36	25 - 35
IW-44B2	injection	S2	E201506921	08/07/15	IA-04	587745.4	729612.4	124.34	Stainless	2	Stainless Screen	51	45 - 50
IW-44B3	injection	S2	E201506910	08/07/15	IA-04	587742.3	729615.4	124.63	Stainless	2	Stainless Screen	71	65 - 70
IW-45A	injection	S1	E201506911	09/14/15	IA-03	587789.3	729596.8	120.27	Stainless	2	Stainless Screen	36	25 - 35
IW-45B2	injection	S2	E201506922	09/14/15	IA-03	587785.3	729597.7	120.45	Stainless	2	Stainless Screen	41	35 - 40
IW-45B3	injection	S2	E201506912	09/14/15	IA-03	587789.0	729597.1	120.26	Stainless	2	Stainless Screen	71	65 - 70
IW-46A	injection	S1	E201506913	09/14/15	IA-03	587784.7	729558.3	119.38	Stainless	2	Stainless Screen	36	25 - 35
IW-46B2	injection	S2	E201506923	09/14/15	IA-03	587789.0	729556.4	119.24	Stainless	2	Stainless Screen	51	45 - 50
IW-46B3	injection	S2	E201506914	09/14/15	IA-03	587785.1	729557.9	119.22	Stainless	2	Stainless Screen	71	65 - 70
IW-47A	injection	S1	E201506915	09/08/15	IA-04	587710.1	729568.4	121.96	Stainless	2	Stainless Screen	36	25 - 35
IW-47B2	injection	S2	E201506924	09/09/15	IA-04	587713.9	729567.1	121.99	Stainless	2	Stainless Screen	51	45 - 50
IW-47B3	injection	S2	E201506916	09/03/15	IA-04	587709.8	729568.3	121.94	Stainless	2	Stainless Screen	71	65 - 70
IW-48A	injection	S1	E201506917	07/15/15	IA-03	587746.9	729533.7	120.63	Stainless	2	Stainless Screen	36	25 - 35
IW-48B2	injection	S2	E201506925	07/07/15	IA-03	587743.9	729528.2	121.62	Stainless	2	Stainless Screen	51	45 - 50
IW-48B3	injection	S2	E201506918	07/15/15	IA-03	587746.6	729533.6	120.59	Stainless	2	Stainless Screen	71	65 - 70
IW-49A	injection	S1	E201506919	08/11/15	IA-03	587698.8	729513.1	121.00	Stainless	2	Stainless Screen	36	25 - 35
IW-49B2	injection	S2	E201506926	07/16/15	IA-03	587698.4	729509.2	121.24	Stainless	2	Stainless Screen	51	45 - 50
IW-49B3	injection	S2	E201506920	08/10/15	IA-03	587698.5	729513.1	120.96	Stainless	2	Stainless Screen	71	65 - 70
IW-50A	injection	S1	E201509722	09/03/15	IA-12	588015.6	729788.6	124.32	Stainless	2	Stainless Screen	36	25 - 35
IW-50B2	injection	S2	E201509724	09/04/15	IA-12	588011.7	729790.9	124.12	Stainless	2	Stainless Screen	51	40 - 50
IW-50B3	injection	S2	E201509723	09/02/15	IA-12	588015.4	729788.6	124.28	Stainless	2	Stainless Screen	71	65 - 70
IW-51A	injection	S1	E201508765	08/27/15	IA-12	588011.5	729732.9	124.46	Stainless	2	Stainless Screen	29.0	13 - 18 23 - 28
IW-51B	injection	S2	E201508766	08/25/15	IA-12	588009.7	729728.9	124.44	Stainless	2	Stainless Screen	61.0	35 - 45 50 - 60
IW-52A	injection	S1	E201508771	09/03/15	IA-12	588023.7	729746.0	124.61	Stainless	2	Stainless Screen	36	25 - 35
IW-52B2	injection	S2	E201508767	09/04/15	IA-12	588021.6	729750.0	124.51	Stainless	2	Stainless Screen	51	45 - 50
IW-52B3	injection	S2	E201508772	09/01/15	IA-12	588023.6	729745.5	124.55	Stainless	2	Stainless Screen	71	65 - 70

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-54A	injection	S1	E201508768	08/19/15	IA-12	587987.1	729691.5	124.19	Stainless	2	Stainless Screen	29.0	13 - 18 23 - 28
IW-54B	injection	S2	E201508769	08/12/15	IA-12	587984.6	729687.0	123.91	Stainless	2	Stainless Screen	61.0	35 - 45 50 - 60
IW-55A	injection	S1	E201508773	08/14/15	IA-12	587993.7	729707.4	124.40	Stainless	2	Stainless Screen	41	30 - 40
IW-55B2	injection	S2	E201508770	08/07/15	IA-12	588000.1	729716.2	124.18	Stainless	2	Stainless Screen	51	45 - 50
IW-55B3	injection	S2	E201508774	08/13/15	IA-12	587993.3	729707.3	124.36	Stainless	2	Stainless Screen	71	65 - 70
IW-57A	injection	S1	E201506999	07/29/15	IA-12	587968.6	729665.1	123.94	Stainless	2	Stainless Screen	36	25 - 35
IW-57B2	injection	S2	E201506991	08/04/15	IA-12	587971.6	729668.7	124.15	Stainless	2	Stainless Screen	51	45 - 50
IW-57B3	injection	S2	E201507000	07/28/15	IA-12	587968.3	729665.0	123.91	Stainless	2	Stainless Screen	71	65 - 70
IW-58A	injection	S1	E201506992	07/14/15	IA-12	587920.9	729654.7	122.98	PVC	2	PVC Screen	29.0	13 - 18 23 - 28
IW-58B	injection	S2	E201506993	06/30/15	IA-12	587914.4	729648.2	122.62	PVC	2	PVC Screen	61.0	35 - 45 50 - 60
IW-59A	injection	S1	E201507001	07/21/15	IA-12	587940.9	729629.8	123.55	Stainless	2	Stainless Screen	36	25 - 35
IW-59B2	injection	S2	E201506994	07/23/15	IA-12	587944.9	729635.8	123.60	Stainless	2	Stainless Screen	51	45 - 50
IW-59B3	injection	S2	E201507002	07/20/15	IA-12	587940.6	729629.9	123.58	Stainless	2	Stainless Screen	71	65 - 70
IW-60B	injection	S2	E201506106	07/15/15	IA-01	587160.4	730111.8	121.07	Stainless	2	Stainless Screen	56	45 - 55
IW-60C	injection	S3	E201506107	07/14/15	IA-01	587160.5	730111.5	121.08	Stainless	2	Stainless Screen	91	80 - 90
IW-61B	injection	S2	E201506108	07/16/15	IA-04	587234.7	730065.8	120.96	Stainless	2	Stainless Screen	51	40 - 50
IW-61C	injection	S3	E201506109	07/15/15	IA-04	587234.8	730066.0	120.97	Stainless	2	Stainless Screen	91	80 - 90
IW-62B	injection	S2	E201506110	08/06/15	IA-01	587116.8	730096.9	121.01	Stainless	2	Stainless Screen	61	40 - 60
IW-62C	injection	S3	E201506111	08/03/15	IA-01	587116.4	730097.0	120.94	Stainless	2	Stainless Screen	91	80 - 90
IW-63B	injection	S2	E201506112	08/06/15	IA-01	587174.7	730060.5	120.76	Stainless	2	Stainless Screen	61	50 - 60
IW-63C	injection	S3	E201506113	08/03/15	IA-01	587174.8	730060.3	120.94	Stainless	2	Stainless Screen	91	80 - 90
IW-64B	injection	S2	E201506114	07/28/15	IA-04	587236.2	730023.0	121.05	Stainless	2	Stainless Screen	61	50 - 60
IW-64C	injection	S3	E201506115	07/23/15	IA-04	587236.0	730023.0	120.90	Stainless	2	Stainless Screen	91	80 - 90
IW-65A	injection	S1	E201508884	09/01/15	IA-01	587067.1	730082.2	121.08	Stainless	2	Stainless Screen	41	30 - 40
IW-65B	injection	S2	E201508885	08/28/15	IA-01	587066.8	730081.9	121.01	Stainless	2	Stainless Screen	71	60 - 70
IW-66A	injection	S1	E201508886	08/27/15	IA-01	587125.1	730044.8	120.89	Stainless	2	Stainless Screen	41	30 - 40
IW-66B	injection	S2	E201508887	08/25/15	IA-01	587125.0	730044.4	120.87	Stainless	2	Stainless Screen	71	60 - 70
IW-67A	injection	S1	E201508888	08/26/15	IA-04	587183.7	730006.7	120.81	Stainless	2	Stainless Screen	41	30 - 40
IW-67B	injection	S2	E201508889	08/21/15	IA-04	587183.9	730007.0	120.74	Stainless	2	Stainless Screen	71	60 - 70
IW-68A	injection	S1	E201506756	08/11/15	IA-04	587243.1	729969.0	121.51	Stainless	2	Stainless Screen	41	30 - 40
IW-68B	injection	S2	E201506757	08/10/15	IA-04	587242.8	729969.0	121.43	Stainless	2	Stainless Screen	71	60 - 70
IW-69A	injection	S1	E201508890	08/26/15	IA-01	587062.8	730012.8	120.85	Stainless	2	Stainless Screen	41	30 - 40
IW-69B	injection	S2	E201508891	08/25/15	IA-01	587062.7	730012.5	120.84	Stainless	2	Stainless Screen	71	60 - 70
IW-70A	injection	S1	E201508892	08/26/15	IA-01	587121.5	729974.8	121.40	Stainless	2	Stainless Screen	41	30 - 40
IW-70B	injection	S2	E201508893	08/25/15	IA-01	587121.5	729975.1	121.38	Stainless	2	Stainless Screen	61	50 - 60
IW-71A	injection	S1	E201506758	07/28/15	IA-04	587178.6	729936.5	121.24	Stainless	2	Stainless Screen	41	30 - 40
IW-71B	injection	S2	E201506759	07/23/15	IA-04	587178.7	729936.8	121.33	Stainless	2	Stainless Screen	71	60 - 70
IW-72A	injection	S1	E201507173	08/04/15	IA-04	587239.3	729899.0	121.33	Stainless	2	Stainless Screen	41	30 - 40
IW-72B	injection	S2	E201507174	07/29/15	IA-04	587239.5	729898.9	121.21	Stainless	2	Stainless Screen	71	60 - 70
IW-73A	injection	S1	E201509133	08/18/15	IA-01	587001.5	729979.9	121.17	Stainless	2	Stainless Screen	41	30 - 40
IW-73B	injection	S2	E201509134	08/17/15	IA-01	587001.2	729979.9	121.11	Stainless	2	Stainless Screen	71	60 - 70

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-74A	injection	S1	E201509135	08/19/15	IA-01	587059.7	729942.6	120.64	Stainless	2	Stainless Screen	31	20 - 30
IW-74B	injection	S2	E201509136	08/18/15	IA-01	587060.0	729942.8	120.49	Stainless	2	Stainless Screen	71	60 - 70
IW-75A	injection	S1	E201508894	08/25/15	IA-04	587119.1	729904.2	120.99	Stainless	2	Stainless Screen	41	30 - 40
IW-75B	injection	S2	E201508895	08/20/15	IA-04	587119.4	729904.4	120.90	Stainless	2	Stainless Screen	71	60 - 70
IW-76A	injection	S1	E201507175	07/28/15	IA-04	587174.9	729866.6	121.73	Stainless	2	Stainless Screen	41	30 - 40
IW-76B	injection	S2	E201507176	07/23/15	IA-04	587175.1	729866.7	121.89	Stainless	2	Stainless Screen	71	60 - 70
IW-77A	injection	S1	E201508647	08/11/15	IA-01	586933.0	729936.7	120.33	Stainless	2	Stainless Screen	41	30 - 40
IW-77B	injection	S2	E201508648	08/10/15	IA-01	586932.8	729936.4	120.41	Stainless	2	Stainless Screen	71	60 - 70
IW-78A	injection	S1	E201509137	08/19/15	IA-01	586988.3	729908.2	120.93	Stainless	2	Stainless Screen	36	25 - 35
IW-78B	injection	S2	E201509138	08/17/15	IA-01	586988.1	729908.2	120.91	Stainless	2	Stainless Screen	71	60 - 70
IW-79A	injection	S1	E201508896	09/01/15	IA-05	587042.9	729868.2	121.18	Stainless	2	Stainless Screen	41	30 - 40
IW-79B	injection	S2	E201508897	08/28/15	IA-05	587043.1	729868.4	121.09	Stainless	2	Stainless Screen	71	60 - 70
IW-80A	injection	S1	E201507177	07/21/15	IA-04	587113.8	729834.3	121.20	Stainless	2	Stainless Screen	41	30 - 40
IW-80B	injection	S2	E201507178	07/17/15	IA-04	587113.6	729834.2	121.20	Stainless	2	Stainless Screen	71	60 - 70
IW-81B	injection	S1	E201505900	06/30/15	IA-01	586880.1	729891.3	119.62	Stainless	2	Stainless Screen	51	40 - 50
IW-81C	injection	S3	E201505901	06/22/15	IA-01	586880.1	729891.7	119.58	Stainless	2	Stainless Screen	91	80 - 90
IW-82B	injection	S2	E201505902	08/18/15	IA-01	586924.3	729868.1	119.82	Stainless	2	Stainless Screen	61	50 - 60
IW-82C	injection	S3	E201505903	08/17/15	IA-01	586924.5	729868.5	119.77	Stainless	2	Stainless Screen	91	80 - 90
IW-83B	injection	S2	E201508392	08/18/15	IA-01	586985.7	729829.0	120.18	Stainless	2	Stainless Screen	61	50 - 60
IW-83C	injection	S3	E201508393	08/17/15	IA-01	586985.9	729829.4	120.17	Stainless	2	Stainless Screen	91	80 - 90
IW-84B	injection	S2	E201508394	08/21/15	IA-01	587038.0	729796.4	120.40	Stainless	2	Stainless Screen	61	50 - 60
IW-84C	injection	S3	E201508395	08/20/15	IA-01	587038.3	729796.3	120.35	Stainless	2	Stainless Screen	91	80 - 90
IW-85B	injection	S2	E201508396	08/21/15	IA-04	587101.8	729760.1	120.72	Stainless	2	Stainless Screen	61	50 - 60
IW-85C	injection	S3	E201508397	08/20/15	IA-04	587101.9	729760.4	120.69	Stainless	2	Stainless Screen	91	80 - 90
IW-86B	injection	S2	E201505904	06/19/15	IA-01	586852.9	729846.2	119.87	Stainless	2	Stainless Screen	61	50 - 60
IW-86C	injection	S3	E201505905	06/17/15	IA-01	586853.1	729846.6	119.84	Stainless	2	Stainless Screen	91	80 - 90
IW-87B	injection	S2	E201508398	08/07/15	IA-01	586895.1	729818.9	120.15	Stainless	2	Stainless Screen	61	50 - 60
IW-87C	injection	S3	E201508399	08/05/15	IA-01	586895.0	729818.6	120.13	Stainless	2	Stainless Screen	91	80 - 90
IW-88B	injection	S2	E201508400	09/08/15	IA-01	586954.1	729781.2	120.92	Stainless	2	Stainless Screen	61	50 - 60
IW-88C	injection	S3	E201508401	09/02/15	IA-01	586953.9	729780.9	120.88	Stainless	2	Stainless Screen	91	80 - 90
IW-89B	injection	S2	E201506459	07/22/15	IA-01	587012.6	729742.8	121.13	Stainless	2	Stainless Screen	61	50 - 60
IW-89C	injection	S3	E201506460	07/20/15	IA-01	587012.7	729743.1	121.13	Stainless	2	Stainless Screen	91	80 - 90
IW-90B	injection	S2	E201506461	07/20/15	IA-04	587071.8	729704.9	121.02	Stainless	2	Stainless Screen	61	50 - 60
IW-90C	injection	S3	E201506462	07/13/15	IA-04	587071.8	729705.1	120.92	Stainless	2	Stainless Screen	91	80 - 90
IW-91B	injection	S2	E201505906	06/30/15	IA-01	586832.7	729787.2	120.36	Stainless	2	Stainless Screen	46	35 - 45
IW-91C	injection	S3	E201505907	06/22/15	IA-01	586832.8	729787.5	120.33	Stainless	2	Stainless Screen	91	70 - 90
IW-92B	injection	S2	E201505908	08/21/15	IA-01	586891.7	729749.1	120.25	Stainless	2	Stainless Screen	61	50 - 60
IW-92C	injection	S3	E201505909	08/20/15	IA-01	586891.8	729749.4	120.18	Stainless	2	Stainless Screen	91	80 - 90
IW-93B	injection	S2	E201506951	08/03/15	IA-01	586949.9	729711.4	120.90	Stainless	2	Stainless Screen	51	40 - 50
IW-93C	injection	S3	E201506952	07/31/15	IA-01	586950.1	729711.7	120.83	Stainless	2	Stainless Screen	81	70 - 80
IW-94B	injection	S2	E201506463	09/08/15	IA-04	587009.3	729673.3	120.89	Stainless	2	Stainless Screen	61	50 - 60
IW-94C	injection	S3	E201506464	09/02/15	IA-04	587009.3	729673.6	120.85	Stainless	2	Stainless Screen	91	80 - 90
IW-95B	injection	S2	E201506226	08/18/15	IA-01	586826.4	729718.6	119.74	Stainless	2	Stainless Screen	61	50 - 60
IW-95C	injection	S3	E201506227	08/14/15	IA-01	586826.2	729718.3	119.71	Stainless	2	Stainless Screen	91	80 - 90
IW-96B	injection	S2	E201506953	08/04/15	IA-01	586885.8	729681.5	119.29	Stainless	2	Stainless Screen	61	50 - 60

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Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-96C	injection	S3	E201506954	07/31/15	IA-01	586885.4	729681.4	119.26	Stainless	2	Stainless Screen	91	80 - 90
IW-97B	injection	S2	E201506955	07/17/15	IA-01	586946.8	729641.3	119.03	Stainless	2	Stainless Screen	61	50 - 60
IW-97C	injection	S3	E201506956	07/13/15	IA-01	586946.9	729641.6	119.23	Stainless	2	Stainless Screen	91	80 - 90
IW-98B	injection	S2	E201506465	07/17/15	IA-02	587005.9	729603.7	119.71	Stainless	2	Stainless Screen	51	40 - 50
IW-98C	injection	S3	E201506466	07/13/15	IA-02	587006.0	729604.1	119.65	Stainless	2	Stainless Screen	91	80 - 90
IW-99B	injection	S2	E201505910	08/24/15	IA-01	586826.1	729648.2	119.11	Stainless	2	Stainless Screen	61	50 - 60
IW-99C	injection	S3	E201505911	08/20/15	IA-01	586826.3	729647.9	119.09	Stainless	2	Stainless Screen	91	80 - 90
IW-100B	injection	S2	E201506957	08/04/15	IA-01	586884.5	729609.8	118.95	Stainless	2	Stainless Screen	61	50 - 60
IW-100C	injection	S3	E201506958	07/31/15	IA-01	586884.8	729609.7	118.90	Stainless	2	Stainless Screen	81	70 - 80
IW-101B	injection	S2	E201506959	07/17/15	IA-02	586943.6	729571.7	118.62	Stainless	2	Stainless Screen	61	50 - 60
IW-101C	injection	S3	E201506960	07/13/15	IA-02	586943.7	729572.0	118.55	Stainless	2	Stainless Screen	91	80 - 90
IW-102B	injection	S2	E201508402	08/24/15	IA-01	586822.7	729577.9	117.79	Stainless	2	Stainless Screen	61	50 - 60
IW-102C	injection	S3	E201508403	08/20/15	IA-01	586822.7	729577.6	117.77	Stainless	2	Stainless Screen	91	80 - 90
IW-103B	injection	S2	E201506961	07/30/15	IA-01	586881.4	729539.9	117.89	Stainless	2	Stainless Screen	61	50 - 60
IW-103C	injection	S3	E201506962	07/30/15	IA-01	586881.7	729539.9	117.85	Stainless	2	Stainless Screen	91	80 - 90
IW-104A	injection	S1	E201508788	08/25/15	IA-06	586820.2	729262.0	114.90	Stainless	2	Stainless Screen	31.5	25 - 30
IW-105A	injection	S1	E201508789	08/25/15	IA-06	586809.7	729251.5	114.54	Stainless	2	Stainless Screen	31.5	25 - 30
IW-106A	injection	S1	E201508790	08/31/15	IA-06	586803.1	729237.3	114.44	Stainless	2	Stainless Screen	35	29 - 34
IW-107A	injection	S1	E201508791	08/25/15	IA-06	586836.6	729259.2	115.22	Stainless	2	Stainless Screen	36.5	30 - 35
IW-108A	injection	S1	E201508792	08/31/15	IA-06	586829.3	729246.8	114.91	Stainless	2	Stainless Screen	35	29 - 34
IW-109A	injection	S1	E201508793	08/31/15	IA-06	586823.2	729238.6	114.79	Stainless	2	Stainless Screen	31.5	25 - 30
IW-110A	injection	S1	E201508794	08/31/15	IA-06	586817.3	729228.4	114.85	Stainless	2	Stainless Screen	31.5	25 - 30
IW-111A	injection	S1	E201508795	08/31/15	IA-06	586844.8	729245.9	114.99	Stainless	2	Stainless Screen	35	29 - 34
IW-112A	injection	S1	E201508796	08/31/15	IA-06	586839.5	729233.8	114.86	Stainless	2	Stainless Screen	31.5	25 - 30
IW-113A	injection	S1	E201508797	08/25/15	IA-06	586829.3	729224.0	115.03	Stainless	2	Stainless Screen	31.5	25 - 30
IW-114C	injection	S3	E201509727	08/27/15	IA-11	587703.5	727916.7	137.13	Steel	6	Open Hole	140	110 - 140
IW-115A1	injection	S1	E201514671	01/12/16	IA-07	587485.1	729055.9	114.58	Stainless	2	Stainless Screen	22	11 - 21
IW-115A2	injection	S1	E201514685	12/31/15	IA-07	587480.4	729059.4	114.59	Stainless	2	Stainless Screen	32	21 - 31
IW-115B	injection	S2	E201514672	01/05/16	IA-07	587485.3	729056.1	114.56	Stainless	2	Stainless Screen	42	31 - 41
IW-116A1	injection	S1	E201514673	01/08/16	IA-07	587527.0	729050.7	114.57	Stainless	2	Stainless Screen	22	11 - 21
IW-116A2	injection	S1	E201514686	01/05/16	IA-07	587521.8	729053.6	114.68	Stainless	2	Stainless Screen	32	21 - 31
IW-116B	injection	S2	E201514674	01/07/16	IA-07	587527.3	729050.7	114.67	Stainless	2	Stainless Screen	42	31 - 41
IW-117A1	injection	S1	E201514675	01/12/16	IA-07	587573.3	729034.7	115.24	Stainless	2	Stainless Screen	22	11 - 21
IW-117A2	injection	S1	E201514687	01/07/16	IA-07	587578.2	729031.7	115.27	Stainless	2	Stainless Screen	32	21 - 31
IW-117B	injection	S2	E201514677	01/11/16	IA-07	587573.6	729034.8	115.18	Stainless	2	Stainless Screen	42	31 - 41
IW-118A1	injection	S1	E201514676	01/15/16	IA-07	587628.0	728999.8	115.74	Stainless	2	Stainless Screen	22	11 - 21
IW-118A2	injection	S1	E201514688	01/08/16	IA-07	587621.2	729003.9	115.55	Stainless	2	Stainless Screen	32	21 - 31
IW-118B	injection	S2	E201514678	01/12/16	IA-07	587628.0	729000.1	115.77	Stainless	2	Stainless Screen	42	31 - 41
IW-119A1	injection	S1	E201514679	01/12/16	IA-07	587458.7	729028.7	113.95	Stainless	2	Stainless Screen	22	11 - 21
IW-119A2	injection	S1	E201514689	01/08/16	IA-07	587455.8	729024.6	113.38	Stainless	2	Stainless Screen	32	21 - 31
IW-119B	injection	S2	E201514680	01/12/16	IA-07	587458.5	729028.8	113.91	Stainless	2	Stainless Screen	42	31 - 41
IW-120A1	injection	S1	E201514681	01/12/16	IA-07	587507.0	729014.9	115.77	Stainless	2	Stainless Screen	22	11 - 21
IW-120A2	injection	S1	E201514690	01/12/16	IA-07	587510.4	729012.7	114.85	Stainless	2	Stainless Screen	32	21 - 31
IW-120B	injection	S2	E201514682	01/12/16	IA-07	587506.4	729015.2	115.95	Stainless	2	Stainless Screen	42	31 - 41
IW-121A1	injection	S1	E201514861	01/12/16	IA-07	587517.7	728980.7	112.47	Stainless	2	Stainless Screen	22	11 - 21

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-121A2	injection	S1	E201514863	01/12/16	IA-07	587521.4	728978.0	114.77	Stainless	2	Stainless Screen	32	21 - 31
IW-121B	injection	S2	E201514862	01/12/16	IA-07	587517.8	728981.0	112.47	Stainless	2	Stainless Screen	42	31 - 41
IW-122A1	injection	S1	E201514683	01/12/16	IA-07	587564.8	728972.4	114.05	Stainless	2	Stainless Screen	22	11 - 21
IW-122A2	injection	S1	E201514691	01/12/16	IA-07	587567.8	728969.0	113.91	Stainless	2	Stainless Screen	32	21 - 31
IW-122B	injection	S2	E201514684	01/12/16	IA-07	587564.7	728972.7	114.11	Stainless	2	Stainless Screen	42	31 - 41
IW-123A1	injection	S1	E201514775	02/03/16	IA-07	587407.3	728999.4	113.61	Stainless	2	Stainless Screen	22	11 - 21
IW-123A2	injection	S1	E201514761	02/03/16	IA-07	587405.1	728995.5	113.63	Stainless	2	Stainless Screen	32	21 - 31
IW-123B	injection	S2	E201514776	02/02/16	IA-07	587407.2	728999.5	113.64	Stainless	2	Stainless Screen	42	31 - 41
IW-124A1	injection	S1	E201514777	01/08/16	IA-07	587450.8	728972.6	114.38	Stainless	2	Stainless Screen	22	11 - 21
IW-124A2	injection	S1	E201514762	01/21/16	IA-07	587447.0	728967.9	114.41	Stainless	2	Stainless Screen	32	21 - 31
IW-124B	injection	S2	E201514778	01/07/16	IA-07	587451.0	728972.2	114.27	Stainless	2	Stainless Screen	42	31 - 41
IW-125A1	injection	S1	E201514779	12/30/15	IA-07	587491.2	728946.8	113.89	Stainless	2	Stainless Screen	22	11 - 21
IW-125A2	injection	S1	E201514763	01/18/16	IA-07	587495.4	728944.1	113.66	Stainless	2	Stainless Screen	32	21 - 31
IW-125B	injection	S2	E201514780	12/29/15	IA-07	587491.0	728946.8	113.88	Stainless	2	Stainless Screen	42	31 - 41
IW-126A1	injection	S1	E201514781	01/29/16	IA-07	587369.9	728941.1	112.60	Stainless	2	Stainless Screen	22	11 - 21
IW-126A2	injection	S1	E201514772	02/04/16	IA-07	587389.1	728952.0	112.91	Stainless	2	Stainless Screen	32	21 - 31
IW-126B	injection	S2	E201514782	01/28/16	IA-07	587369.7	728941.0	112.61	Stainless	2	Stainless Screen	42	31 - 41
IW-127A1	injection	S1	E201514783	12/30/15	IA-07	587408.2	728930.1	113.89	Stainless	2	Stainless Screen	22	11 - 21
IW-127A2	injection	S1	E201514773	12/23/15	IA-07	587405.0	728925.9	113.93	Stainless	2	Stainless Screen	32	21 - 31
IW-127B	injection	S2	E201514784	12/29/15	IA-07	587408.4	728930.3	113.85	Stainless	2	Stainless Screen	42	31 - 41
IW-128A1	injection	S1	E201514785	12/29/15	IA-07	587445.4	728893.9	113.35	Stainless	2	Stainless Screen	22	11 - 21
IW-128A2	injection	S1	E201514774	12/23/15	IA-07	587449.4	728890.4	113.84	Stainless	2	Stainless Screen	32	21 - 31
IW-128B	injection	S2	E201514786	12/28/15	IA-07	587445.8	728893.7	113.28	Stainless	2	Stainless Screen	42	31 - 41
IW-129A1	injection	S1	E201514787	01/13/16	IA-07	587358.1	728905.6	112.08	Stainless	2	Stainless Screen	22	11 - 21
IW-129A2	injection	S1	E201514767	01/07/16	IA-07	587355.5	728901.0	112.41	Stainless	2	Stainless Screen	32	21 - 31
IW-130A1	injection	S1	E201514789	12/23/15	IA-07	587351.6	728862.9	112.14	Stainless	2	Stainless Screen	22	11 - 21
IW-130A2	injection	S1	E201514768	12/28/15	IA-07	587348.6	728858.0	111.92	Stainless	2	Stainless Screen	32	21 - 31
IW-130B	injection	S2	E201514790	12/22/15	IA-07	587351.3	728862.8	112.22	Stainless	2	Stainless Screen	42	31 - 41
IW-131A1	injection	S1	E201514791	01/11/16	IA-07	587397.6	728868.3	113.10	Stainless	2	Stainless Screen	22	11 - 21
IW-131A2	injection	S1	E201514769	01/20/16	IA-07	587401.0	728864.7	113.22	Stainless	2	Stainless Screen	32	21 - 31
IW-131B	injection	S2	E201514792	01/08/16	IA-07	587397.5	728868.7	113.06	Stainless	2	Stainless Screen	42	31 - 41
IW-132A1	injection	S1	E201514793	01/13/16	IA-07	587416.2	728824.7	112.79	Stainless	2	Stainless Screen	22	11 - 21
IW-132A2	injection	S1	E201514770	01/19/16	IA-07	587418.0	728819.2	112.98	Stainless	2	Stainless Screen	32	21 - 31
IW-132B	injection	S2	E201514794	01/12/16	IA-07	587416.4	728824.7	112.81	Stainless	2	Stainless Screen	42	31 - 41
IW-136C2	injection	S3	E201507909	09/09/15	IA-11	587653.7	728157.5	122.84	Steel	6	Open Hole	125	95 - 125
IW-146C	injection	S3	E201511687	10/16/15	IA-13	587515.7	727824.3	107.71	Stainless	6	Stainless	110	80 - 110
IW-151C1	injection	S3	E201507923	08/04/15	IA-11	587366.9	728059.6	106.30	Steel	6	Open Hole	85	60 - 85
IW-151C2	injection	S3	E201507924	07/30/15	IA-11	587375.2	728064.5	106.65	Steel	6	Open Hole	110	85 - 110
IW-152B	injection	S2	E201509598	09/23/15	IA-13	587481.0	727706.7	107.50	Steel	6	Open Hole	60	35 - 60
IW-153C1	injection	S3	E201509582	09/21/15	IA-13	587443.9	727750.2	104.72	Steel	6	Open Hole	65	35 - 65
IW-153C2	injection	S3	E201509581	09/17/15	IA-13	587452.8	727754.2	105.50	Steel	6	Open Hole	110	75 - 110
IW-156B	injection	S2	E201509877	08/24/15	IA-11	587341.2	727912.8	104.77	Steel	6	Open Hole	55	30 - 55
IW-157B	injection	S2	E201509287	08/31/15	IA-11	587314.9	727964.0	103.72	Steel	6	Open Hole	55	30 - 55
IW-157C1	injection	S3	E201509286	08/27/15	IA-11	587314.2	727955.7	103.43	Steel	6	Open Hole	80	55 - 80
IW-157C2	injection	S3	E201509285	08/25/15	IA-11	587320.7	727960.0	103.83	Steel	6	Open Hole	105	80 - 105

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-158B	injection	S2	E201509290	08/27/15	IA-11	587282.0	728016.8	102.64	Steel	6	Open Hole	55	30 - 55
IW-158C1	injection	S3	E201509289	08/24/15	IA-11	587279.3	728004.8	102.09	Steel	6	Open Hole	80	55 - 80
IW-158C2	injection	S3	E201509288	08/19/15	IA-11	587291.1	728011.4	102.65	Steel	6	Open Hole	105	80 - 105
IW-159C1	injection	S3	E201508243	08/20/15	IA-11	587378.1	728166.1	106.81	Steel	6	Open Hole	85	60 - 85
IW-159C2	injection	S3	E201508244	08/17/15	IA-11	587385.8	728176.1	106.92	Steel	6	Open Hole	110	85 - 110
IW-160C2	injection	S3	E201510251	08/31/15	IA-11	587367.0	728248.2	106.52	Steel	6	Open Hole	110	80 - 110
IW-161B	injection	S2	E201507922	08/06/15	IA-11	587281.4	728299.5	103.87	Steel	6	Open Hole	57	32 - 57
IW-161C1	injection	S3	E201510254	08/26/15	IA-11	587291.6	728305.6	104.19	Steel	6	Open Hole	82	57 - 82
IW-161C2	injection	S3	E201510253	08/28/15	IA-11	587290.4	728294.6	104.19	Steel	6	Open Hole	107	82 - 107
IW-162B	injection	S2	E201509293	08/14/15	IA-11	587238.4	728334.0	103.25	Steel	6	Open Hole	55	30 - 55
IW-162C1	injection	S3	E201509292	08/12/15	IA-11	587228.5	728319.6	103.50	Steel	6	Open Hole	80	55 - 80
IW-162C2	injection	S3	E201509291	08/10/15	IA-11	587225.0	728326.7	102.92	Steel	6	Open Hole	105	80 - 105
IW-165C1	injection	S3	E201507896	08/25/15	IA-11	587487.0	728242.9	112.34	Steel	6	Open Hole	90	65 - 90
IW-165C2	injection	S3	E201507906	08/05/15	IA-11	587502.6	728239.1	112.46	Steel	6	Open Hole	111	90 - 111
IW-167C1	injection	S3	E201508109	08/07/15	IA-11	587370.6	728337.5	108.21	Steel	6	Open Hole	80	50 - 80
IW-167C2	injection	S3	E201508110	08/05/15	IA-11	587378.2	728335.9	108.57	Steel	6	Open Hole	110	80 - 110
IW-168B	injection	S2	E201507919	07/22/15	IA-11	587242.7	728400.7	104.11	Steel	6	Open Hole	56	31 - 56
IW-168C1	injection	S3	E201507920	07/27/15	IA-11	587243.5	728392.3	104.00	Steel	6	Open Hole	81	56 - 81
IW-168C2	injection	S3	E201507921	07/31/15	IA-11	587252.0	728396.4	103.98	Steel	6	Open Hole	106	81 - 106
IW-173B	injection	S2	E201509584	09/16/15	IA-15	587489.7	727492.7	100.00	Stainless	6	Stainless Screen	46	21 - 46
IW-174B	injection	S2	E201509585	09/16/15	IA-15	587475.8	727519.3	101.08	Stainless	6	Stainless Screen	51	21 - 51
IW-174C	injection	S3	E201509583	09/14/15	IA-15	587471.4	727529.0	101.55	Steel	6	Open Hole	80	50 - 80
IW-175C	injection	S3	E201512249	09/25/15	IA-15	587456.0	727557.6	102.72	Steel	6	Open Hole	85	55 - 85
IW-176B	injection	S2	E201510603	09/11/15	IA-15	587393.2	727599.8	102.15	Stainless	6	Stainless Screen	47	17 - 47
IW-176C	injection	S3	E201510601	09/11/15	IA-15	587382.1	727597.8	98.18	Steel	6	Open Hole	90	60 - 90
IW-177B	injection	S2	E201509586	09/16/15	IA-15	587548.2	727481.9	103.99	Stainless	6	Stainless Screen	47	22 - 47
IW-178B	injection	S2	E201509587	09/16/15	IA-15	587526.6	727528.3	101.49	Stainless	6	Stainless Screen	46	21 - 46
IW-180A	injection	S1	E201511196	09/22/15	IA-11	587232.7	728240.9	102.82	Stainless	2	Stainless	23	18 - 23
IW-180AR	injection	S1	E201701692	02/23/17	IA-11	587234.9	728240.0	102.85	PVC	4	PVC Screen	25	20 - 25
IW-181A	injection	S1	E201607387	07/11/16	IA-12	587961.8	729778.9	123.82	Stainless	2	Stainless	36	25 - 35
IW-181B2	injection	S2	E201607382	07/12/16	IA-12	587964.2	729784.5	123.70	Stainless	2	Stainless	51	45 - 50
IW-181B3	injection	S2	E201607388	07/05/16	IA-12	587961.4	729779.3	123.75	Stainless	2	Stainless	71	65 - 70
IW-182A	injection	S1	E201607389	07/05/16	IA-12	587930.9	729734.7	123.51	Stainless	2	Stainless	36	25 - 35
IW-182B2	injection	S2	E201607383	07/12/16	IA-12	587933.9	729738.7	123.33	Stainless	2	Stainless	51	45 - 50
IW-182B3	injection	S2	E201607390	07/05/16	IA-12	587930.5	729734.9	123.60	Stainless	2	Stainless	71	65 - 70
IW-183A	injection	S1	E201607391	07/05/16	IA-12	587970.1	729729.6	124.15	Stainless	2	Stainless	36	25 - 35
IW-183B2	injection	S2	E201607384	07/13/16	IA-12	587970.4	729734.7	124.10	Stainless	2	Stainless	51	45 - 50
IW-183B3	injection	S2	E201607392	07/05/16	IA-12	587969.6	729729.8	124.11	Stainless	2	Stainless	71	65 - 70
IW-184A	injection	S1	E201607394	07/11/16	IA-12	587996.8	729765.4	124.55	Stainless	2	Stainless Screen	29	13 - 18 23 - 28
IW-185A	injection	S1	E201607395	07/12/16	IA-12	587962.4	729751.6	124.1	Stainless	2	Stainless Screen	29	13 - 18 23 - 28
IW-185B	injection	S2	E201607399	07/06/16	IA-12	587959.2	729747.4	123.87	Stainless	2	Stainless Screen	61	35 - 45 50 - 60

**Table 2-2
Remediation Well Construction Details
Hoffmann-La Roche Inc. - Nutley, NJ**

Well Designation	Well Type	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
						(Survey ft, NAD83)							
						East (X)	North (Y)						
IW-186A	injection	S1	E201607396	07/11/16	IA-12	587919.9	729703	123.86	Stainless	2	Stainless Screen	29	13 - 18 23 - 28
IW-186B	injection	S2	E201607400	07/08/16	IA-12	587928.2	729697.7	123.62	Stainless	2	Stainless Screen	61	35 - 45 50 - 60
RW-1	Recovery	S1	E201603200	04/18/16	IA-04	587308.6	729974.5	121.20	PVC	8	PVC Screen	20	5 - 20
RW-2	Recovery	S1	E201603201	04/14/16	IA-04	587336.8	729957.0	120.85	PVC	8	PVC Screen	20	5 - 20
RW-3	Recovery	S1	E201603202	04/15/16	IA-04	587370.0	729950.3	121.35	PVC	8	PVC Screen	20	5 - 20
RW-4	Recovery	S1	E201603203	04/18/16	IA-04	587411.6	729927.1	121.41	PVC	8	PVC Screen	20	5 - 20
RW-5	Recovery	S1	E201603204	04/12/16	IA-04	587447.3	729901.0	121.18	PVC	8	PVC Screen	20	5 - 20
RW-6	Recovery	S1	E201603205	04/13/16	IA-04	587350.2	729895.7	121.50	PVC	8	PVC Screen	20	5 - 20
RW-51	extraction	S3	2600064190	04/17/02	IA-06	586752.6	729011.2	111.79	Steel	6	Open Hole	70	50 - 70
SVE-1	SVE	S1	2600053648	04/16/99	IA-03	588044.4	729030.6	118.81	PVC	6	Screen	23	3 - 23
SVE-2	SVE	S1	2600053928	05/11/99	IA-03	588004.2	728967.5	118.70	PVC	6	Screen	20	2 - 20
SVE-3	SVE	S1	2600053929	05/13/99	IA-03	588082.0	729088.1	118.91	PVC	6	Screen	21	3 - 21
SVE-WSG-1	SVE	S1	E201317586	11/19/07	IA-06	586704.7	729293.0	113.15	PVC	4	Screen	5.3	3.3 - 5.3
SVE-WSG-6	SVE	S1	2600086703	03/12/08	IA-06	586674.0	729314.6	112.89	PVC	4	Screen	7.3	5.3 - 7.3
SVE-WSG-7	SVE	S1	2600086704	03/12/08	IA-06	586701.5	729322.7	113.33	PVC	4	Screen	5.3	3.3 - 5.3
VE-1210-1	SVE	S1	E201609290	08/05/16	IA-12	588005.8	729691.6	127.01	PVC	6	PVC Screen	14.0	3.0 - 13.0
VE-1210-2	SVE	S1	E201609289	08/05/16	IA-12	588022.8	729719.2	126.93	PVC	6	PVC Screen	14.0	3.0 - 13.0

Notes:
ft bgs = feet below ground surface.
NAD 83 = North American Datum of 1983.
NAVD 88 = North American vertical Datum of 1988.
N/A = not available or not applicable.
IWAS = In Well Air Stripping
SVE = Soil Vapor Extraction

**Table 2-3
Monitoring Well Construction Details - Off-Site Wells Associated with Other Remedial Investigations
Hoffmann-La Roche Inc. - Nutley, NJ**

Former Deluxe Check Facility Monitoring Wells (NJDEP PI No. 021924)

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					(Survey ft, NAD83)							
					East (X)	North (Y)						
MW-2W	S1	2600019068	02/05/90	Off-Site	585799.6	730304.8	145.91	PVC	4	PVC Screen	28	15.5 - 28
MW-3W	S1	2600019069	02/06/90	Off-Site	585808.4	730120.8	147.23	PVC	4	PVC Screen	31	16 - 31
MW-4W	S1	2600019070	02/13/90	Off-Site	585790.2	730093.2	148.11	PVC	4	PVC Screen	30	16 - 30
MW-7W	S2	2600020504	06/26/90	Off-Site	585889.3	730128.6	142.68	PVC	4	PVC Screen	71.5	51.5 - 71.5
MW-8W	S1	2600020499	06/15/90	Off-Site	585893.0	730122.5	142.87	PVC	4	PVC Screen	25	10 - 25
MW-9W	S2	2600020503	06/25/90	Off-Site	585868.4	730050.7	145.45	Steel	6	Open Hole	70	51.3 - 70
MW-10W	S1	2600020498	06/12/90	Off-Site	585865.2	730053.2	145.01	PVC	4	PVC Screen	33.5	18.5 - 33.5
MW-11W	S1	2600020500	06/27/90	Off-Site	585789.1	730011.5	135.84	PVC	4	PVC Screen	19	4 - 19
MW-12W	S1	2600020505	06/28/90	Off-Site	585601.0	730014.0	147.85	Steel	6	Open Hole	62	40 - 62
MW-13W	S1	2600020501	06/28/90	Off-Site	585504.2	730303.9	153.03	PVC	4	PVC Screen	25	10 - 25
MW-14W	S1	2600024733	05/17/91	Off-Site	585962.4	730231.8	133.38	PVC	4	PVC Screen	18.5	8.5 - 18.5
MW-15W	S1	2600024734	05/20/91	IA-10	586007.1	730181.3	125.39	PVC	4	PVC Screen	15	5 - 15
MW-16AW	S2	2600033839	06/24/93	IA-10	586024.0	730104.1	124.36	Steel	6	Open Hole	44	24 - 44
MW-17AW	S1	2600033838	06/21/93	IA-10	585909.6	730061.4	126.10	PVC	4	PVC Screen	11	3 - 11
MW-18W	S1	2600043010	01/17/96	Off-Site	586007.7	730278.3	133.57	PVC	4	PVC Screen	16	6 - 16
MW-19W	S3	2600043011	01/30/96	Off-Site	585900.6	730119.5	142.91	PVC	4	PVC Screen	98	88 - 98
MW-20W Port 1	S1	2600088390-1	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	55	45 - 55
MW-20W Port 2	S2	2600088390-2	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	95	85 - 95
MW-20W Port 3	S3	2600088390-3	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	140	130 - 140
MW-20W Port 4	D1	2600088390-4	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	151	146 - 151
MW-20W Port 5	D1	2600088390-5	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	242	232 - 242
MW-20W Port 6	D2	2600088390-6	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	253	248 - 253
MW-20W Port 7	D2	2600088390-7	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	272	265 - 272
MW-21W	S1	E201111133	07/13/11	Off-Site	585723.7	729878.9	139.02	PVC	2	PVC Screen	15	5 - 15
MW-22W	S1	E201111131	07/20/11	IA-10	586158.1	730148.6	117.15	PVC	2	PVC Screen	13	5 - 13
MW-23W	S1	E201111132	07/19/11	IA-10	586154.9	729888.6	118.55	PVC	2	PVC Screen	8	3 - 8
MW-24W	S1	E201111134	07/12/11	Off-Site	586050.9	729805.4	123.94	PVC	2	PVC Screen	13	3 - 13
MW-25W	S1	E201111135	04/09/12	Off-Site	585661.2	730124.4	150.10	PVC	2	PVC Screen	20	10 - 20
MW-26W	D2	E201212678	10/26/12	Off-Site	585967.1	730306.5	136.14	PVC	2	PVC Screen	272	247 - 272
MW-27W	D2	E201212677	09/17/12	Off-Site	585657.8	730127.3	150.18	PVC	2	PVC Screen	323	298 - 323
MW-28W	D2	E201400718	01/16/14	Off-Site	585772.6	730106.4	147.76	PVC	2	PVC Screen	355	340 - 355
MW-29W	D2	E201400722	11/15/13	Off-Site	585577.9	729987.2	146.92	PVC	2	PVC Screen	256	241 - 256
MW-30W	S2	E201507051	07/08/15	Off-Site	585914.2	730474.7	139.63	PVC	2	PVC Screen	70	60 - 70
MW-31W	S1	E201601470	02/18/16	Off-Site	585786.0	730086.0	N/A	PVC	2	PVC Screen	28	18 - 28
MW-32W	S2	E201506881	07/06/15	IA-10	586464.0	730183.1	119.22	PVC	2	PVC Screen	59	44 - 59
MW-35W	S1	E201315537	10/25/13	IA-10	586082.3	730021.6	119.58	PVC	2	PVC Screen	13	3 - 13
MW-36W	S1	E201315538	10/25/13	IA-10	586062.0	730164.4	123.90	PVC	2	PVC Screen	14	4 - 14
MW-37W	S1	E201404546	04/25/14	Off-Site	585787.8	730008.6	135.82	PVC	2	PVC Screen	14	9 - 14
MW-38W	S1	E201404548	04/30/14	Off-Site	585782.5	730011.7	135.55	PVC	2	PVC Screen	37	27 - 37

**Table 2-3
Monitoring Well Construction Details - Off-Site Wells Associated with Other Remedial Investigations
Hoffmann-La Roche Inc. - Nutley, NJ**

Former Nova Electric Facility Monitoring Wells (NJDEP PI No. G00003468)

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type/ Diameter (in)	Casing Type/ Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-1N	S2	2600020904	06/25/90	Off-Site	587897.8	726501.1	67.17	PVC	4	PVC Screen	6	1 - 6
MW-2N	S2	2600022935	12/05/90	Off-Site	587979.7	726530.6	66.01	PVC	4	PVC Screen	12	2 - 12
MW-3RN	S2	E201411402	09/09/14	Off-Site	587977	726587	N/A	N/A	2	PVC Screen	11	1.5 - 11
MW-4N	S3	2600022931	12/07/90	Off-Site	587908.3	726505.0	67.16	Steel	6	Open Hole	25	15 - 25
MW-5N	S2	2600022934	12/03/90	Off-Site	587864.0	726468.8	67.84	PVC	4	PVC Screen	12	2 - 12
MW-6RN	S2	E201310284	07/29/13	Off-Site	587808.1	726604.5	67.07	PVC	2	PVC Screen	13	3 - 13
MW-7N	S2	2600025700	07/10/91	Off-Site	587956.7	726510.4	66.42	PVC	4	PVC Screen	14.5	4.5 - 14.5
MW-8N	S2	2600025701	07/23/91	Off-Site	588019.5	726514.1	66.15	PVC	4	PVC Screen	14.6	4.6 - 14.6
MW-9N	S2	2600025702	07/10/91	Off-Site	587860.1	726629.7	66.34	PVC	4	PVC Screen	13	3 - 13
MW-9IN	S3	2600066190	11/26/02	Off-Site	587857.2	726636.5	66.16	PVC	4	PVC Screen	27	17 - 27
MW-10N	S3	2600028626	02/19/92	Off-Site	587930.0	726437.5	75.07	PVC	4	PVC Screen	31	21.25 - 31
MW-12N	S2	2600028628	02/19/92	Off-Site	588087.6	726542.9	64.82	PVC	4	PVC Screen	9	1.5 - 9
MW-13N	S3	2600030040	07/13/92	Off-Site	587863.6	726474.4	67.59	Steel	6	Open Hole	50	41 - 50
MW-14N	S3	2600030041	07/14/92	Off-Site	587952.3	726508.7	66.39	Steel	6	Open Hole	60	39.5 - 60
MW-15N	S3	2600030039	07/13/92	Off-Site	587994.1	726447.0	75.95	PVC	4	PVC Screen	31	21 - 31
MW-16N	S3	2600034306	08/11/93	Off-Site	587808.9	726265.3	99.11	PVC	4	PVC Screen	58	38 - 58
MW-17N	S2	2600062816	10/23/01	Off-Site	588146.9	726556.1	62.97	PVC	4	PVC Screen	8.5	3.5 - 8.5
MW-18RN	S2	E201411403	09/09/14	Off-Site	588013	726617	N/A	N/A	2	PVC Screen	13	3 - 13
MW-19N	S2	2600078963	05/08/06	Off-Site	588123.0	726703.4	66.47	PVC	4	PVC Screen	12.5	1.5 - 12.5
MW-20N	S2	2600088388	08/21/08	Off-Site	587892.7	726731.6	65.47	PVC	2	PVC Screen	13	3 - 13

413 Kingsland Street Monitoring Wells (NJDEP PI No. 581987)

Well Designation	Hydro-geologic Zone	Permit Number	Date Installed	Investigation Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type/ Diameter (in)	Casing Type/ Diameter (in)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)
					East (X)	North (Y)						
MW-1G	S1	E201216675	11/06/12	Off-Site	586784.4	728414.6	102.76	PVC	2	PVC Screen	14	4 - 14
MW-2G	S1	E201216676	11/05/12	Off-Site	586720.0	728355.2	101.66	PVC	2	PVC Screen	13	4 - 13
MW-3G	S1	E201216677	11/05/12	Off-Site	586777.8	728354.2	102.06	PVC	2	PVC Screen	14	4 - 14
MW-4G	S1	E201216678	11/06/12	Off-Site	586850.9	728336.1	101.40	PVC	2	PVC Screen	14	4 - 14

Notes:
ft bgs = feet below ground surface.
ft msl = feet above mean sea level
NAD 83 = North American Datum of 1983
NAVD 88 = North American Vertical Datum of 1988
N/A = not available or not applicable