

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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)								
66RI-MW4	OV8	Yes	S1	G7	E201304931	4/17/2013	IA-10	586648.3	730201.6	118.01	PVC	2	PVC Screen	9.5	2.5	-	9.5
131RI-MW1	1W	Yes	S1	I7	E201306020	5/7/2013	IA-10	586589.3	729807.6	115.37	PVC	2	PVC Screen	10.23	2.23	-	10.23
187RI-MW2	2W	Yes	S1	K6	E201305798	4/30/2013	IA-10	586570.0	729168.4	110.69	PVC	2	PVC Screen	12	2	-	12
187RI-MW3	2W	Yes	S1	K7	E201305799	4/29/2013	IA-10	586607.1	729070.8	107.94	PVC	2	PVC Screen	14.2	4.2	-	14.2
ART-MW-5BR	3W	Yes	S1	J8	E201501063	3/11/2015	IA-02	587106.5	729359.1	117.84	Stainless	4	Stainless Screen	32	27	-	32
ART-MW-6BR	3W	No	S2	J8	E201501062	3/11/2015	IA-02	587088.1	729396.0	118.17	Stainless	4	Stainless Screen	43.1	28.1	-	43.1
CH-17 Port 1	ND	ND	S3	--	E201119968-1	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	89.5	78.5	-	89.5
CH-17 Port 10	ND	ND	D3	--	E201119968-10	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	356.5	345.5	-	356.5
CH-17 Port 11	ND	ND	D3	--	E201119968-11	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	399.5	388.5	-	399.5
CH-17 Port 12	ND	ND	D3	--	E201119968-12	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	427.5	422.5	-	427.5
CH-17 Port 2	ND	ND	D1	--	E201119968-2	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	107.5	96.5	-	107.5
CH-17 Port 3	ND	ND	D1	--	E201119968-3	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	122.5	111.5	-	122.5
CH-17 Port 4	ND	ND	D2	--	E201119968-4	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	235.5	224.5	-	235.5
CH-17 Port 5	ND	ND	D2	--	E201119968-5	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	253.5	243.5	-	253.5
CH-17 Port 6	ND	ND	D2	--	E201119968-6	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	266.5	256.5	-	266.5
CH-17 Port 7	ND	ND	D2	--	E201119968-7	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	290.5	279.5	-	290.5
CH-17 Port 8	ND	ND	D2	--	E201119968-8	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	305.5	294.5	-	305.5
CH-17 Port 9	ND	ND	D2	--	E201119968-9	12/15/2011	IA-11	587207.6	728161.3	101.26	N/A	N/A	Liner Port	319.5	308.5	-	319.5
DW-11B	5E	No	D1	P7	E201300242	4/26/2013	Offsite	586764.0	727529.8	103.08	Steel	2	Stainless Screen	100	90	-	100
DW-11D	5E	No	D3	P7	E201300243	5/2/2013	Offsite	586755.0	727514.7	103.34	Steel	2	Stainless Screen	450	425	-	450
DW-12A	4W	No	D1	I8	E201300227	2/8/2013	IA-04	587042.1	729676.0	120.96	Steel	2	Stainless Screen	134	124	-	134
DW-12B	5W	No	D1	I8	E201300228	2/7/2013	IA-04	587010.2	729663.6	120.73	Steel	2	Stainless Screen	191	181	-	191
DW-12CR	5W	No	D3	I8	E201412451	11/4/2014	IA-04	587021.9	729684.5	121.06	Steel	4	Stainless Screen	520.07	495.07	-	520.07
DW-13A	3W	No	S3	L6	E201219022	1/10/2013	IA-10	586543.1	728799.0	108.25	Steel	2	Stainless Screen	90	80	-	90
DW-13B	5W	No	D1	L6	E201219023	1/10/2013	IA-10	586509.9	728796.1	109.01	Steel	2	Stainless Screen	180	170	-	180
DW-13-D2	5W	No	D2	L6	E201402656	3/19/2014	IA-10	586527.0	728814.0	108.66	Steel	2	Stainless Screen	250	240	-	250
DW-14A	4W	No	D1	I6	E201300229	4/5/2013	IA-10	586485.1	729754.5	116.34	Steel	2	Stainless Screen	180	170	-	180
DW-14B	5W	No	D2	I6	E201300230	2/26/2013	IA-10	586501.0	729725.7	115.70	Steel	2	Stainless Screen	237	227	-	237
DW-14C	5W	No	D3	I6	E201301074	4/5/2013	IA-10	586504.9	729748.3	115.92	Steel	4	Stainless Screen	384	369	-	384
DW-15A	3W	No	D1	G6	E201300233	2/5/2013	IA-10	586501.6	730443.8	121.61	Steel	2	Stainless Screen	183	173	-	183
DW-16A	3W	No	D1	H4	E201300231	3/28/2013	IA-10	585961.9	729998.8	124.16	Steel	2	Stainless Screen	220	210	-	220
DW-16B	4W	No	D2	H4	E201300232	4/2/2013	IA-10	585937.3	730015.7	125.02	Steel	2	Stainless Screen	302	292	-	302
DW-16C	5W	No	D3	H4	E201301078	4/2/2013	IA-10	585932.2	729997.3	125.68	Steel	4	Stainless Screen	448	423	-	448
DW-17C	5E	No	D1	R12	E201301431	4/26/2013	IA-14	588315.2	726940.4	75.26	Steel	2	Stainless Screen	120	110	-	120
DW-17D	5E	No	D2	R12	E201301432	3/29/2013	IA-14	588299.9	726925.6	74.61	Steel	2	Stainless Screen	300	285	-	300
DW-18C	5E	No	D1	M17	E201308557	8/22/2013	Offsite	589867.8	728458.9	132.01	Steel	2	Stainless Screen	166	151	-	166
DW-18D	5E	No	D3	M17	E201308559	8/27/2013	Offsite	589860.8	728448.3	131.61	Steel	4	Stainless Screen	450	425	-	450
DW-1B	5E	Yes	S1	P14	E201300236	4/23/2013	Offsite	588850.3	727758.7	106.56	PVC	2	PVC Screen	35	25	-	35
DW-1C	5E	No	D1	P14	E201300237	4/25/2013	Offsite	588862.5	727774.4	107.08	Steel	2	Stainless Screen	160	150	-	160
DW-1D	5E	No	D3	P14	E201300238	5/1/2013	Offsite	588845.5	727751.9	106.33	Steel	2	Stainless Screen	450	430	-	450
DW-20D	5W	No	D4	K9	E201316242	10/2/2013	IA-09	587325.2	729133.1	114.06	Steel	4	Stainless Screen	563	538	-	563
DW-21A	5W	No	D1	J10	E201409432	7/28/2014	IA-04	587478.1	729451.3	120.66	Steel	2	Stainless Screen	135	110	-	135
DW-21D	5W	No	D3	J10	E201316252	10/3/2013	IA-04	587485.0	729461.9	121.03	Steel	4	Stainless Screen	451	426	-	451

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								(Survey ft, NAD83)							-	-	-
								East (X)	North (Y)								
DW-22D	5W	No	D4	I9	E201316254	10/11/2013	IA-04	587448.9	729610.8	119.87	Steel	4	Stainless Screen	672	647	-	672
DW-23D	5E	No	D4	L12	E201316255	10/21/2013	IA-03	588358.0	728812.4	155.72	Steel	4	Stainless Screen	730	705	-	730
DW-24	5E	No	D1	U9	E201314457	11/7/2013	Offsite	587288.7	726074.0	132.56	PVC	2	PVC Screen	175	150	-	175
DW-25A	5E	No	D1	Q9	E201402662	4/22/2014	IA-15	587411.0	727475.3	96.71	Steel	2	Stainless Screen	140	130	-	140
DW-25B	5E	No	D2	Q9	E201402661	5/8/2014	IA-15	587442.0	727409.6	96.45	Steel	2	Stainless Screen	225	200	-	225
DW-25C	5E	No	D3	Q9	E201402660	7/28/2014	IA-15	587431.1	727433.7	96.59	Steel	4	Stainless Screen	427	402	-	427
DW-25D	5E	No	D4	Q9	E201318583	3/14/2014	IA-15	587436.3	727420.9	96.43	Steel	4	Stainless Screen	565	545	-	565
DW-25-D1	5E	No	D1	Q9	E201413490	12/10/2014	IA-15	587443.1	727418.0	96.44	Steel	2	Stainless Screen	101	91	-	101
DW-27A	3W	No	D1	J5	E201318462	12/20/2013	IA-10	586201.2	729545.2	123.81	PVC	2	PVC Screen	160.87	150.87	-	160.87
DW-27B	5W	No	D2	J5	E201315239	12/20/2013	IA-10	586191.3	729550.7	124.12	Steel	2	Stainless Screen	299.83	274.83	-	299.83
DW-27C	5W	No	D3	J5	E201402655	3/24/2014	IA-10	586203.3	729558.8	123.58	Steel	4	Stainless Screen	425	400	-	425
DW-28A	5E	No	D1	J13	E201402669	4/18/2014	IA-12	588599.1	729432.3	149.58	Steel	2	Stainless Screen	189	179	-	189
DW-28B	5E	No	D2	J13	E201402668	4/4/2014	IA-12	588590.5	729432.8	149.20	Steel	2	Stainless Screen	321	306	-	321
DW-29A	5E	No	D1	I12	E201317984	1/9/2014	IA-12	588327.7	729592.1	136.71	Steel	2	Stainless Screen	195	185	-	195
DW-29B	5E	No	D2	I12	E201315491	1/9/2014	IA-12	588339.0	729594.5	137.00	Steel	2	Stainless Screen	300	275	-	300
DW-29C	5E	No	D3	I12	E201402670	4/16/2014	IA-12	588345.8	729581.4	137.86	Steel	4	Stainless Screen	442	432	-	442
DW-2B	5E	No	S3	K13	E201217456	12/6/2012	IA-12	588619.2	729154.4	157.15	Steel	2	Stainless Screen	136	126	-	136
DW-2D	5E	No	D3	K13	E201301091	4/6/2013	IA-12	588636.3	729143.6	158.23	Steel	4	Stainless Screen	450	425	-	450
DW-2-D1	5E	No	D1	K13	E201402665	4/8/2014	IA-12	588652.0	729143.8	158.71	Steel	2	Stainless Screen	200	175	-	200
DW-2-D2	5E	No	D2	K13	E201402664	4/8/2014	IA-12	588637.5	729123.3	158.75	Steel	2	Stainless Screen	300	275	-	300
DW-30A	5W	No	D1	H10	E201317979	1/10/2014	IA-12	587677.6	730002.2	120.18	Steel	2	Stainless Screen	180	170	-	180
DW-30B	5W	No	D2	H10	E201315493	1/10/2014	IA-12	587688.5	729995.0	120.33	Steel	2	Stainless Screen	260	250	-	260
DW-31A	4W	No	D1	G9	E201402141	4/16/2014	IA-12	587176.4	730300.5	135.92	Steel	2	Stainless Screen	181.5	171.5	-	181.5
DW-31B	5W	No	D2	G9	E201402152	4/15/2014	IA-12	587185.7	730294.7	135.62	Steel	4	Stainless Screen	320	310	-	320
DW-31C	5W	No	D3	G9	E201402878	4/15/2014	IA-12	587198.0	730293.3	135.31	Steel	4	Stainless Screen	440	415	-	440
DW-32A	3W	No	D1	F7	E201318587	1/10/2014	IA-12	586772.9	730479.2	119.93	Steel	2	Stainless Screen	164	154	-	164
DW-32B	5W	No	D2	G7	E201315585	1/10/2014	IA-12	586772.7	730469.5	120.09	Steel	2	Stainless Screen	301.13	276.13	-	301.13
DW-33A	2W	No	D1	F6	E201401464	2/26/2014	IA-10	586343.9	730549.1	122.05	Steel	2	Stainless Screen	160	150	-	160
DW-33B	4W	No	D2	F6	E201318598	2/26/2014	IA-10	586347.9	730558.6	121.95	Steel	2	Stainless Screen	279	269	-	279
DW-33C	5W	No	D3	F6	E201402654	4/4/2014	IA-10	586356.0	730544.6	121.30	Steel	4	Stainless Screen	425	400	-	425
DW-34A	2W	No	D1	G3	E201318592	1/10/2014	Private Road	585637.0	730430.1	153.18	Steel	2	Stainless Screen	205	195	-	205
DW-34B	3W	No	D2	G3	E201315235	1/2/2014	Private Road	585625.2	730437.9	153.57	Steel	2	Stainless Screen	300	275	-	300
DW-36A	5E	No	D1	L13	E201402676	5/14/2014	IA-03	588545.8	728744.7	160.16	Steel	2	Stainless Screen	200	190	-	200
DW-36B	5E	No	D2	L13	E201402677	5/15/2014	IA-03	588537.6	728750.9	160.61	Steel	2	Stainless Screen	300	290	-	300
DW-37A	5E	No	D1	M12	E201401598	4/8/2014	IA-07	588333.6	728476.1	153.83	Steel	2	Stainless Screen	203	178	-	203
DW-37B	5E	No	D2	M12	E201400890	3/11/2014	IA-07	588325.2	728464.3	153.46	Steel	4	Stainless Screen	300	290	-	300
DW-38A	5E	No	D1	N12	E201401595	4/23/2014	IA-07	588146.0	728209.8	148.97	Steel	2	Stainless Screen	191	166	-	191
DW-38B	5E	No	D2	N12	E201400995	3/19/2014	IA-07	588152.2	728215.4	148.99	Steel	4	Stainless Screen	267	247	-	267
DW-38C	5E	No	D3	N12	E201407795	7/16/2014	IA-07	588155.3	728346.0	151.66	Steel	4	Stainless Screen	550	525	-	550
DW-39A	5E	No	D1	P11	E201402678	5/22/2014	IA-13	587880.1	727554.8	115.30	Steel	2	Stainless Screen	200	190	-	200
DW-39B	5E	No	D2	P11	E201402679	6/3/2014	IA-13	587876.6	727543.6	114.88	Steel	2	Stainless Screen	296	286	-	296
DW-39C	5E	No	D3	P11	E201402680	7/9/2014	IA-13	587873.2	727532.4	114.46	Steel	4	Stainless Screen	496	471	-	496
DW-3B	5E	No	S3	O11	E201218158	12/26/2012	IA-07	587943.9	728010.4	144.58	Steel	2	Stainless Screen	122	112	-	122

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								(Survey ft, NAD83)							-	-	-
								East (X)	North (Y)								
DW-3C	5E	No	D1	O11	E201302209	2/5/2013	IA-07	587931.1	727996.8	144.72	Steel	2	Stainless Screen	226	216	-	226
DW-3-D2	5E	No	D2	O11	E201402663	6/16/2014	IA-07	587954.5	728019.0	144.81	Steel	2	Stainless Screen	300	275	-	300
DW-40A	5W	No	D1	M7	E201402658	4/16/2014	IA-10	586742.6	728573.9	103.88	Steel	2	Stainless Screen	147	137	-	147
DW-40B	5W	No	D2	M7	E201402657	4/3/2014	IA-10	586735.2	728562.6	104.04	Steel	2	Stainless Screen	251	241	-	251
DW-40C	5W	No	D3	M7	E201410074	3/28/2014	IA-10	586753.9	728567.8	104.10	Steel	4	Stainless Screen	400	375	-	400
DW-41C	5E	No	D3	L11	E201407799	5/9/2014	IA-03	587955.3	728937.9	118.77	Steel	4	Stainless Screen	450.09	425.09	-	450.09
DW-42A	5E	No	D1	O9	E201406724	7/11/2014	IA-11	587226.4	728047.1	101.61	PVC	6	PVC Screen	122	102	-	122
DW-43A	5E	No	D1	M9	E201409151	7/21/2014	IA-07	587404.9	728503.5	107.79	Steel	2	Stainless Screen	130	120	-	130
DW-45A	5E	No	D1	K10	E201409402	8/1/2014	IA-07	587503.0	729057.6	114.50	Steel	2	Stainless Screen	145	120	-	145
DW-46A	5E	No	D1	N9	E201411570	9/19/2014	IA-11	587420.2	728118.4	108.27	Steel	2	Stainless Screen	123	113	-	123
DW-47A	5E	No	D1	P9	E201510850	9/17/2015	Offsite	587214.0	727713.8	101.26	PVC	4	PVC Screen	125	115	-	125
DW-49A	5E	No	D1	Q9	E201510511	9/16/2015	Offsite	587435.6	727206.8	100.76	PVC	4	PVC Screen	125	115	-	125
DW-4C	5E	No	D1	S9	E201306325	7/19/2013	Offsite	587427.1	726800.5	104.14	Steel	2	Stainless Screen	142	117	-	142
DW-4D	5E	No	D3	S9	E201306324	6/28/2013	Offsite	587414.1	726814.3	104.09	Steel	4	Stainless Screen	450	425	-	450
DW-50B	5E	No	D1	M11	E201413975	10/13/2014	IA-07	588060.2	728471.0	149.13	Steel	2	Stainless Screen	205	180	-	205
DW-50C	5E	No	D2	M11	E201413976	10/13/2014	IA-07	588060.3	728471.3	148.93	Steel	2	Stainless Screen	305	280	-	305
DW-51A	5E	No	D1	O9	E201412450	10/7/2014	IA-11	587330.9	727797.3	104.10	Steel	2	Stainless Screen	135	125	-	135
DW-52A	5E	No	D1	P9	E201413312	10/15/2014	IA-11	587361.5	727744.7	103.12	Steel	2	Stainless Screen	130	115	-	130
DW-53A	5E	No	D1	P10	E201412639	10/8/2014	IA-13	587481.6	727646.7	106.67	Steel	2	Stainless Screen	140	125	-	140
DW-54A	5E	No	D1	P10	E201412396	9/29/2014	IA-13	587596.9	727617.3	107.27	Steel	2	Stainless Screen	150	130	-	150
DW-55A	5E	No	D1	P9	E201413491	12/10/2014	IA-15	587384.3	727524.5	96.87	Steel	2	Stainless Screen	129.88	119.88	-	129.88
DW-57A	5E	No	D1	L12	E201412869	12/10/2014	IA-07	588239.8	728763.9	147.92	Steel	2	Stainless Screen	240.95	220.95	-	240.95
DW-58A	5E	No	D1	N10	E201413476	12/19/2014	IA-07	587746.1	728115.0	137.27	Steel	2	Stainless Screen	240	215	-	240
DW-59A	5E	No	D1	O11	E201413477	12/19/2014	IA-07	587820.5	728075.2	140.85	Steel	2	Stainless Screen	240	220	-	240
DW-5B	4E	No	D1	J12	E201217457	3/6/2013	IA-12	588270.6	729433.4	138.14	Steel	2	Stainless Screen	146	136	-	146
DW-5C	5E	No	D2	J12	E201217460	1/15/2013	IA-12	588261.4	729418.2	138.14	Steel	2	Stainless Screen	315	305	-	315
DW-60A	5E	No	D1	J13	E201413479	12/4/2014	IA-12	588457.3	729515.7	143.73	Steel	2	Stainless Screen	240	215	-	240
DW-61A	5E	No	D1	K13	E201413480	1/29/2015	IA-12	588435.2	729095.5	150.40	Steel	2	Stainless Screen	177	167	-	177
DW-62A	5E	No	D1	N10	E201500443	3/12/2015	IA-07	587750.9	728196.8	128.32	Steel	2	Stainless Screen	145	135	-	145
DW-63A	5E	No	D1	P9	E201500479	4/9/2015	IA-13	587415.8	727699.8	102.83	PVC	2	PVC Screen	186	176	-	186
DW-64A	5E	No	D1	I13	E201500412	2/26/2015	Offsite	588651.2	729610.1	147.79	Steel	2	Stainless Screen	250	235	-	250
DW-65-105-S3	3W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	105	99	-	105
DW-65-119-S3	3W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	119	108	-	119
DW-65-126-S3	3W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	126	122	-	126
DW-65-136-S3	3W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	136	129	-	136
DW-65-145-D1	3W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	145	139	-	145
DW-65-154-D1	3W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	154	148	-	154
DW-65-167-D1	4W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	167	157	-	167
DW-65-176-D1	4W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	176	170	-	176
DW-65-185-D1	4W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	185	179	-	185
DW-65-199-D1	4W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	199	188	-	199
DW-65-211-D1	4W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	211	202	-	211
DW-65-221-D1	5W	No	D1	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	221	214	-	221

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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)								
DW-65-239-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	239	224	-	239
DW-65-249-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	249	242	-	249
DW-65-262-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	262	252	-	262
DW-65-302-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	302	265	-	302
DW-65-331-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	331	305	-	331
DW-65-350-D2	5W	No	D2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	350	334	-	350
DW-65-60-S2	2W	No	S2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	60	50	-	60
DW-65-66-S2	2W	No	S2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	66	63	-	66
DW-65-73-S2	2W	No	S2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	73	69	-	73
DW-65-84-S2	2W	No	S2	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	84	76	-	84
DW-65-91-S3	2W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	91	87	-	91
DW-65-96-S3	2W	No	S3	G8	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	2	Westbay Port	96	94	-	96
DW-67A	5W	No	D1	I7	E201509855	10/27/2015	IA-01	586834.1	729856.6	120.05	Steel	2	Stainless Screen	218	208	-	218
DW-67B	5W	No	D2	I7	E201509857	10/27/2015	IA-01	586836.9	729861.1	120.00	Steel	2	Stainless Screen	272	262	-	272
DW-68A	5W	No	D1	J8	E201509856	10/23/2015	IA-01	586884.9	729559.9	118.00	Steel	2	Stainless Screen	205	195	-	205
DW-68B	5W	No	D2	J8	E201509858	10/27/2015	IA-01	586889.4	729558.9	118.05	Steel	2	Stainless Screen	287	277	-	287
DW-69-104-S3	1W	No	S3	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	104.3	89.3	-	104.3
DW-69-114-S3	1W	No	S3	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	114.3	107.3	-	114.3
DW-69-134-S3	1W	No	S3	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	134.3	117.3	-	134.3
DW-69-142-S3	2W	No	S3	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	142.3	137.3	-	142.3
DW-69-150-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	150.3	145.3	-	150.3
DW-69-160-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	160.3	153.3	-	160.3
DW-69-171-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	171.3	163.3	-	171.3
DW-69-186-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	186.3	174.3	-	186.3
DW-69-195-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	195.3	189.3	-	195.3
DW-69-213-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	213.3	198.3	-	213.3
DW-69-224-D1	2W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	224.3	216.3	-	224.3
DW-69-234-D1	3W	No	D1	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	234.3	227.3	-	234.3
DW-69-246-D2	3W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	246.3	237.3	-	246.3
DW-69-260-D2	3W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	260.3	249.3	-	260.3
DW-69-270-D2	3W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	270.3	263.3	-	270.3
DW-69-283-D2	3W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	283.3	273.3	-	283.3
DW-69-303-D2	4W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	303.3	286.3	-	303.3
DW-69-375-D2	4W	No	D2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	375	306.3	-	375.0
DW-69-70-S2	1W	No	S2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	70.3	50	-	70.30
DW-69-86-S2	1W	No	S2	A6	E201613406	2/2/2017	Offsite	586461.1	732127.6	142.35	PVC	2	Westbay Port	86.3	73.3	-	86.3
DW-6B	5E	No	D1	M11	E201218159	1/25/2013	IA-07	587806.0	728578.8	118.41	Steel	2	Stainless Screen	115	105	-	115
DW-6C	5E	No	D2	M11	E201218160	2/18/2013	IA-07	587788.9	728575.6	118.25	Steel	2	Stainless Screen	291	281	-	291
DA-6D	5E	No	D3	M11	E201301046	3/7/2013	IA-07	587796.5	728561.5	118.40	Steel	4	Stainless Screen	498	473	-	498
DW-70-114-S3	1W	No	S3	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	114.3	97.3	-	114.3
DW-70-123-D1	2W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	123.3	117.3	-	123.3
DW-70-131-D1	2W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	131.3	126.3	-	131.3
DW-70-140-D1	2W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	140.3	134.3	-	140.3

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Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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)								
DW-70-150-D1	2W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	150.3	143.3	-	150.3
DW-70-160-D1	2W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	160.3	153.3	-	160.3
DW-70-174-D1	3W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	174.3	163.3	-	174.3
DW-70-189-D1	3W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	189.3	177.3	-	189.3
DW-70-205-D1	3W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	205.3	192.3	-	205.3
DW-70-219-D1	3W	No	D1	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	219.3	208.3	-	219.3
DW-70-231-D2	4W	No	D2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	231.3	222.3	-	231.3
DW-70-241-D2	4W	No	D2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	241.3	234.3	-	241.3
DW-70-261-D2	4W	No	D2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	261.3	244.3	-	261.3
DW-70-285-D2	4W	No	D2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	285.3	264.3	-	285.3
DW-70-350-D2	5W	No	D2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	350	288.3	-	350.0
DW-70-53-S2	1W	No	S2	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	53.3	37.5	-	53.3
DW-70-72-S3	1W	No	S3	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	72.3	56.3	-	72.3
DW-70-83-S3	1W	No	S3	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	83.3	75.3	-	83.3
DW-70-94-S3	1W	No	S3	C8	E201613409	1/25/2017	Offsite	586948.8	731528.9	121.08	PVC	2	Westbay Port	94.3	86.3	-	94.3
DW-72-113-S3	4E	No	S3	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	113.3	102.3	-	113.3
DW-72-120-S3	4E	No	S3	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	120.3	116.3	-	120.3
DW-72-136-S3	4E	No	S3	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	136.3	123.3	-	136.3
DW-72-146-S3	4E	No	S3	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	146.3	139.3	-	146.3
DW-72-167-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	167.3	149.3	-	167.3
DW-72-176-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	176.3	170.3	-	176.3
DW-72-202-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	202.3	179.3	-	202.3
DW-72-217-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	217.3	205.3	-	217.3
DW-72-224-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	224.3	220.3	-	224.3
DW-72-237-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	237.3	227.3	-	237.3
DW-72-246-D1	5E	No	D1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	246.3	240.3	-	246.3
DW-72-263-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	263.3	249.3	-	263.3
DW-72-276-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	276.3	266.3	-	276.3
DW-72-288-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	288.3	279.3	-	288.3
DW-72-299-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	299.3	291.3	-	299.3
DW-72-316-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	316.3	302.3	-	316.3
DW-72-330-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	330.3	319.3	-	330.3
DW-72-375-D2	5E	No	D2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	376	333.3	-	376.0
DW-72-63-S1	2E	Yes	S1	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	63.3	26	-	63.30
DW-72-84-S2	3E	No	S2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	84.3	66.3	-	84.3
DW-72-99-S2	3E	No	S2	H14	E201613407	1/30/2017	Offsite	588890.6	729985.6	155.73	PVC	2	Westbay Port	99.3	87.3	-	99.3
DW-7A	3E	No	D1	H11	E201411635	10/20/2014	Offsite	588037.5	729994.2	122.81	Steel	2	Stainless Screen	127	112	-	127
DW-7B	4E	No	D1	H11	E201305678	6/6/2013	Offsite	588047.7	729990.1	123.23	Steel	2	Stainless Screen	180	165	-	180
DW-7C	5E	No	D2	H11	E201305675	6/6/2013	Offsite	588054.2	729993.3	123.33	Steel	2	Stainless Screen	345	335	-	345
DW-7D	5E	No	D3	H11	E201305674	5/24/2013	Offsite	588041.5	730001.1	122.83	Steel	4	Stainless Screen	450	425	-	450
DW-8A	4E	No	D1	I11	E201217453	3/23/2013	IA-12	587898.5	729677.7	122.51	Steel	2	Stainless Screen	126	116	-	126
DW-8B	5E	No	D1	I11	E201217458	3/29/2013	IA-12	587883.7	729655.5	122.19	Steel	2	Stainless Screen	192	182	-	192
DW-8C	5E	No	D2	I11	E201217463	3/27/2013	IA-12	587904.2	729649.7	122.68	Steel	2	Stainless Screen	307	297	-	307

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Monitoring Well Construction Details  
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Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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)								
DW-8D	5E	No	D3	I11	E201301089	4/4/2013	IA-12	587880.7	729676.2	122.42	Steel	4	Stainless Screen	449	434	-	449
DW-9A	3E	No	S3	K10	E201217454	5/7/2013	IA-03	587693.6	729195.9	121.67	Steel	2	Stainless Screen	95.11	85.11	-	95.11
DW-9B	5E	No	D1	K10	E201217459	5/15/2013	IA-03	587679.3	729192.9	121.58	Steel	2	Stainless Screen	142	132	-	142
DW-9D	5E	No	D3	K10	E201217461	5/13/2013	IA-03	587697.7	729181.6	121.52	Steel	4	Stainless Screen	450	425	-	450
MW-1	2W	Yes	S1	H7	2600011827	11/19/1987	IA-01	586830.1	730109.7	119.24	PVC	4	PVC Screen	14.3	4.3	-	14.3
MW-100	4E	Yes	S1	O9	P200804384	12/17/2008	IA-11	587322.1	727785.9	102.47	PVC	2	PVC Screen	13.6	8.6	-	13.6
MW-101	4E	Yes	S1	O9	P200804385	1/22/2009	IA-11	587311.2	727792.5	101.64	PVC	2	PVC Screen	17	9	-	17
MW-102	3E	Yes	S1	O9	P200804386	12/10/2008	IA-11	587256.2	727920.5	100.82	PVC	2	PVC Screen	13	8	-	13
MW-103A	OVb	Yes	S1	N8	P200804387	1/12/2009	Offsite	586910.0	728286.9	99.93	PVC	2	PVC Screen	16	6	-	16
MW-103B	4W	No	S2	N8	P200804397	2/5/2009	Offsite	586914.6	728279.3	99.52	Steel	6	Open Hole	38	28	-	38
MW-104A	OVb	Yes	S1	N8	P200804388	1/20/2009	Offsite	587022.3	728115.6	97.13	PVC	2	PVC Screen	13.5	3.5	-	13.5
MW-104B	3E	No	S2	N8	P200804398	1/20/2009	Offsite	587026.2	728107.8	97.05	Steel	6	Open Hole	34	24	-	34
MW-104C	4E	No	S3	N8	E201306606	6/3/2013	Offsite	587017.6	728125.7	97.58	PVC	2	PVC Screen	80	60	-	80
MW-105A	OVb	Yes	S1	O7	P200804389	1/27/2009	Offsite	586769.3	728004.5	99.48	PVC	2	PVC Screen	12	7	-	12
MW-105B	4W	No	S2	O7	P200804399	2/5/2009	Offsite	586765.0	727997.3	99.63	Steel	6	Open Hole	40	30	-	40
MW-106A	3E	Yes	S1	O8	P200804390	1/29/2009	Offsite	587094.4	727971.4	97.08	PVC	2	PVC Screen	13	8	-	13
MW-106B	3E	No	S2	O8	P200804400	1/26/2009	Offsite	587097.7	727960.4	97.11	Steel	6	Open Hole	34	24	-	34
MW-107	4E	No	S2	P8	P200804401	2/3/2009	Offsite	587133.4	727711.0	97.82	Steel	6	Open Hole	33	23	-	33
MW-108A	OVb	Yes	S1	P8	P200804392	1/20/2009	Offsite	587094.8	727639.8	95.56	PVC	2	PVC Screen	12	7	-	12
MW-108B	4E	No	S2	P8	P200804402	1/30/2009	Offsite	587100.2	727635.1	95.97	Steel	6	Open Hole	33	23	-	33
MW-109	OVb	Yes	S1	N8	P200804393	1/15/2009	Offsite	587087.5	728126.1	100.32	PVC	2	PVC Screen	12.3	7.3	-	12.3
MW-111	4E	Yes	S1	P9	P200804395	12/11/2008	IA-15	587335.2	727622.5	101.16	PVC	2	PVC Screen	17	12	-	17
MW-112	4E	Yes	S1	Q9	P200804396	12/12/2008	IA-15	587421.9	727449.3	96.66	PVC	2	PVC Screen	12	7	-	12
MW-112A	4E	Yes	S1	Q9	E201412398	9/24/2014	IA-15	587436.7	727429.8	96.59	PVC	2	PVC Screen	15	5	-	15
MW-112B	4E	No	S2	Q9	E201308427	6/20/2013	IA-15	587415.4	727462.4	96.42	PVC	2	PVC Screen	43	28	-	43
MW-112C	5E	No	S3	Q9	E201413487	10/24/2014	IA-15	587430.7	727443.4	96.63	PVC	2	PVC Screen	80	70	-	80
MW-113	2E	No	S3	I11	P200910159	7/28/2009	IA-12	587891.7	729693.2	122.72	Steel	6	Open Hole	80	60	-	80
MW-114	4E	No	S2	K13	P200910160	8/6/2009	IA-12	588646.5	729160.4	158.19	Steel	6	Open Hole	80	60	-	80
MW-114A	4E	Yes	S1	K13	E201403604	4/28/2014	IA-12	588661.5	729164.7	158.71	PVC	2	PVC Screen	75	65	-	75
MW-117	5W	No	S3	L9	E201311393	10/13/2009	IA-09	587296.7	728892.7	109.42	PVC	4	PVC Screen	80	60	-	80
MW-118	4E	No	S2	M12	P200910151	10/9/2009	IA-07	588077.6	728461.2	149.72	Steel	6	Open Hole	80	60	-	80
MW-118C	5E	No	S3	M11	E201504142	5/14/2015	IA-07	588051.1	728479.1	148.87	PVC	2	PVC Screen	125	115	-	125
MW-119	4E	No	S3	N9	P200910155	10/7/2009	IA-11	587224.1	728167.1	101.75	Steel	6	Open Hole	80	60	-	80
MW-120	4E	No	S2	O11	P200910157	10/27/2009	IA-07	587977.7	728039.0	144.94	PVC	4	PVC Screen	80	30	-	80
MW-121	5E	No	S3	P10	P200910158	9/17/2009	IA-13	587690.2	727612.9	113.02	Steel	6	Open Hole	80	60	-	80
MW-122	4E	No	S2	N12	P200910153	9/15/2009	IA-07	588144.5	728328.8	151.43	Steel	6	Open Hole	80	60	-	80
MW-124A	5E	Yes	S1	R10	E201308748	6/28/2013	IA-15	587673.9	726942.4	90.65	PVC	2	PVC Screen	25	15	-	25
MW-124B	5E	No	S2	R10	E201000869	7/23/2010	IA-15	587683.0	726964.8	91.62	Steel	6	Open Hole	34	24	-	34
MW-124C	5E	No	S3	R10	E201304824	4/15/2013	IA-15	587683.3	726953.2	90.97	PVC	2	PVC Screen	80	60	-	80
MW-125A	3E	No	S2	M10	E201303085	3/23/2013	IA-07	587573.3	728642.9	117.15	Steel	6	Open Hole	33	23	-	33
MW-126	OVb	Yes	S1	M7	E201012851	10/13/2010	IA-10	586853.6	728465.1	103.77	PVC	2	PVC Screen	15	5	-	15
MW-126B	4W	No	S2	M7	E201405728	5/14/2014	IA-10	586845.2	728471.5	103.79	PVC	2	PVC Screen	50	40	-	50
MW-126C	4W	No	S3	M7	E201405729	5/14/2014	IA-10	586847.9	728459.2	103.78	PVC	2	PVC Screen	80	70	-	80

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-128	OVB	Yes	S1	L10	E201012849	10/23/2010	IA-07	587747.1	728764.5	117.90	PVC	2	PVC Screen	17.5	7.5	-	17.5
MW-128B	3E	No	S2	L10	E201314890	7/30/2013	IA-07	587762.4	728790.9	117.83	PVC	2	PVC Screen	40	30	-	40
MW-128C	3E	No	S3	L10	E201306927	7/23/2013	IA-07	587756.9	728782.4	117.90	PVC	2	PVC Screen	60	50	-	60
MW-130	4E	Yes	S1	P10	E201113438	9/15/2011	IA-15	587505.3	727533.0	100.34	PVC	2	PVC Screen	17.5	7.5	-	17.5
MW-131	5E	Yes	S1	Q11	E201113439	8/24/2011	IA-14	587994.8	727346.1	101.03	PVC	2	PVC Screen	22.5	12.5	-	22.5
MW-131B	5E	No	S2	Q11	E201403623	5/16/2014	IA-14	587986.9	727340.7	100.71	PVC	2	PVC Screen	37	27	-	37
MW-131C	5E	No	S3	Q11	E201403624	4/23/2014	IA-14	588002.8	727348.9	101.44	PVC	2	PVC Screen	80	70	-	80
MW-135	2W	Yes	S1	I7	E201113441	8/19/2011	IA-01	586789.3	729695.9	120.00	Steel	6	Open Hole	17.5	7.5	-	17.5
MW-136	2W	Yes	S1	I8	E201113727	9/20/2011	IA-01	586898.1	729586.1	118.45	PVC	2	PVC Screen	19	9	-	19
MW-136B	3W	No	S2	I8	E201416041	3/11/2015	IA-01	586911.3	729581.5	118.17	Steel	6	Open Hole	50	40	-	50
MW-136C	3W	No	S3	J8	E201415879	3/13/2015	IA-01	586896.7	729572.2	118.16	PVC	2	PVC Screen	100	90	-	100
MW-137	2W	Yes	S1	J8	E201113728	9/23/2011	IA-02	586971.8	729542.8	118.42	Steel	6	Open Hole	18.74	12.04	-	18.74
MW-138	3E	Yes	S1	N10	E201115787	11/14/2011	IA-11	587583.7	728174.8	116.52	PVC	2	PVC Screen	19.5	14.5	-	19.5
MW-139A	OVB	Yes	S1	K10	E201611544	9/27/2016	IA-07	587530.9	729062.9	114.90	PVC	2	PVC Screen	19.5	9.5	-	19.5
MW-140	5E	No	S3	R10	E201115793	11/8/2011	IA-14	587727.9	727152.1	91.25	Steel	6	Open Hole	80	60	-	80
MW-141	4E	Yes	S1	O10	E201113440	9/16/2011	IA-13	587574.6	727860.0	109.94	PVC	2	PVC Screen	28	18	-	28
MW-142	4E	Yes	S1	P9	E201115790	9/13/2011	IA-13	587469.9	727646.4	106.14	PVC	2	PVC Screen	26	16	-	26
MW-142B	4E	No	S2	P10	E201412637	9/26/2014	IA-13	587476.2	727643.2	106.13	PVC	2	PVC Screen	45	35	-	45
MW-142C	5E	No	S3	P10	E201412638	9/30/2014	IA-13	587475.6	727649.8	106.39	PVC	2	PVC Screen	80	70	-	80
MW-143	4E	Yes	S1	P10	E201115791	9/7/2011	IA-13	587603.9	727606.3	106.76	PVC	2	PVC Screen	26.5	16.5	-	26.5
MW-143B	4E	No	S2	P10	E201403608	5/12/2014	IA-13	587609.5	727618.8	108.07	PVC	2	PVC Screen	50	40	-	50
MW-143C	5E	No	S3	P10	E201412330	9/23/2014	IA-13	587610.6	727609.8	107.11	PVC	2	PVC Screen	85	75	-	85
MW-144A	OVB	Yes	S1	P8	E201204687	4/17/2012	Offsite	586982.2	727607.2	98.03	PVC	2	PVC Screen	16.4	6.4	-	16.4
MW-144B	4E	No	S2	P8	E201204690	4/17/2012	Offsite	586982.4	727598.9	97.84	Steel	6	Open Hole	37	27	-	37
MW-145A	4E	Yes	S1	Q9	E201204688	4/30/2012	Offsite	587435.1	727221.2	101.32	PVC	2	PVC Screen	27.5	17.5	-	27.5
MW-145B	5E	No	S2	Q9	E201204691	5/7/2012	Offsite	587430.1	727216.4	101.23	PVC	2	PVC Screen	37.3	32.3	-	37.3
MW-145C	5E	No	S3	Q9	E201510510	9/18/2015	Offsite	587435.9	727216.4	101.17	PVC	4	PVC Screen	90	70	-	90
MW-146A	5E	Yes	S1	S10	E201204689	4/24/2012	Offsite	587569.5	726815.5	84.84	Steel	6	Open Hole	27.1	17.1	-	27.1
MW-146B	5E	No	S2	S10	E201306327	7/17/2013	Offsite	587487.1	726751.9	102.14	PVC	2	PVC Screen	57	42	-	57
MW-146C	5E	No	S3	S9	E201306326	7/17/2013	Offsite	587466.7	726766.1	103.66	PVC	2	PVC Screen	80	60	-	80
MW-148A	5E	Yes	S2	R11	E201207238	5/18/2012	IA-14	587897.6	726943.8	87.32	PVC	2	PVC Screen	27.6	17.6	-	27.6
MW-148B	5E	No	S3	R11	E201207239	5/21/2012	IA-14	587907.2	726940.4	86.89	Steel	6	Open Hole	47.82	36.8	-	47.8
MW-149	5E	No	S3	R12	E201301433	2/15/2013	IA-14	588285.0	726910.5	74.14	PVC	2	PVC Screen	80	60	-	80
MW-150	2E	Yes	S1	K11	E201303086	3/15/2013	IA-03	587936.1	729105.4	121.45	Steel	6	Open Hole	27	17	-	27
MW-152BR	4W	No	S2	J9	E201510906	9/21/2015	IA-09	587345.4	729393.9	118.34	PVC	2	PVC Screen	40	30	-	40
MW-152R	OVB	Yes	S1	J9	E201507724	7/15/2015	IA-09	587357.4	729402.4	118.60	PVC	2	PVC Screen	17	7	-	17
MW-154R	OVB	Yes	S1	J9	E201507726	7/13/2015	IA-09	587427.4	729277.0	117.79	PVC	2	PVC Screen	17	7	-	17
MW-15A	OVB	Yes	S1	L9	2600051888	10/1/1998	IA-07	587343.8	728836.9	109.24	PVC	2	PVC Screen	15	5	-	15
MW-15B	2W	No	S2	L9	2600051889	10/5/1998	IA-07	587340.0	728829.9	109.71	Steel	6	Open Hole (3")	30	20	-	30
MW-16	1W	Yes	S1	G7	2600012044	11/5/1987	IA-01	586785.3	730345.7	120.38	PVC	4	PVC Screen	13.8	3.8	-	13.8
MW-164	OVB	Yes	S1	K9	E201303821	4/8/2013	IA-09	587394.7	729074.2	113.74	PVC	2	PVC Screen	17	7	-	17
MW-170AR	OVB	Yes	S1	J9	E201510908	9/22/2015	IA-09	587402.7	729358.6	118.26	PVC	2	PVC Screen	17	7	-	17
MW-170BR	4W	No	S2	J9	E201510907	9/18/2015	IA-09	587412.1	729358.6	118.33	PVC	2	PVC Screen	40	30	-	40

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-170R	OVB	Yes	S1	J9	E201507725	7/14/2015	IA-09	587411.9	729374.6	118.48	PVC	2	PVC Screen	17	7	-	17
MW-171A	4E	Yes	S1	Q9	E201306954	8/16/2013	Offsite	587218.3	727431.3	103.26	PVC	2	PVC Screen	35	25	-	35
MW-171B	4E	No	S2	Q9	E201307651	8/19/2013	Offsite	587222.1	727422.9	103.16	PVC	2	PVC Screen	50	40	-	50
MW-171C	5E	No	S3	Q9	E201307673	8/21/2013	Offsite	587213.7	727441.6	103.44	PVC	2	PVC Screen	80	60	-	80
MW-172	4E	Yes	S1	O10	E201306956	5/23/2013	IA-11	587694.8	727873.3	136.88	PVC	2	PVC Screen	40	30	-	40
MW-172C	4E	No	S2	O10	E201308284	7/12/2013	IA-11	587723.8	727935.0	138.01	PVC	2	PVC Screen	80	60	-	80
MW-172-S3	5E	No	S3	O10	E201407697	6/26/2014	IA-11	587709.3	727913.3	137.62	PVC	2	PVC Screen	120	100	-	120
MW-173	4E	Yes	S1	O10	E201305193	4/17/2013	IA-13	587512.2	727805.3	108.47	PVC	2	PVC Screen	25	10	-	25
MW-173C	5E	No	S3	O10	E201407273	6/17/2014	IA-13	587494.2	727781.7	108.01	Steel	6	Open Hole	92	67	-	92
MW-174	4W	Yes	S1	J10	E201303564	4/23/2013	IA-04	587513.8	729572.8	120.01	Steel	6	Open Hole	38	28	-	38
MW-175	4W	Yes	S1	I10	E201303565	4/26/2013	IA-04	587587.0	729580.9	119.94	Steel	6	Open Hole	35	25	-	35
MW-178	4W	Yes	S1	I10	E201303568	4/30/2013	IA-04	587599.0	729711.5	117.49	Steel	6	Open Hole	31	20	-	31
MW-179	4W	Yes	S1	I10	E201303569	5/2/2013	IA-04	587584.0	729768.1	114.64	Steel	6	Open Hole	25	17	-	25
MW-182	3W	Yes	S1	H9	E201303572	4/12/2013	IA-04	587294.6	729889.0	121.32	Steel	6	Open Hole	26	16	-	26
MW-184	3W	Yes	S1	H9	E201303574	4/5/2013	IA-04	587366.7	729956.6	121.43	Steel	6	Open Hole	26	16	-	26
MW-185AR	3W	Yes	S1	H9	E201512232	10/20/2015	IA-04	587314.5	729972.6	120.93	Steel	6	Open Hole	30	20	-	30
MW-186-2	3W	No	S2	J8	E201306228	5/13/2013	IA-02	587069.3	729359.3	117.16	Steel	6	Open Hole	38.05	28.05	-	38.05
MW-187	OVB	Yes	S1	K10	E201303408	3/22/2013	IA-03	587506.0	729142.5	116.58	PVC	2	PVC Screen	17.4	3.4	-	17.4
MW-188	2E	Yes	S1	K11	E201303409	3/29/2013	IA-03	587783.2	729087.5	121.41	Steel	6	Open Hole	39.8	29.8	-	39.8
MW-189A	OVB	Yes	S1	L11	E201303410	3/19/2013	IA-03	588020.2	728975.0	119.35	PVC	2	PVC Screen	14	4	-	14
MW-189B	3E	No	S2	L11	E201303411	3/26/2013	IA-03	588012.6	728963.6	119.39	Steel	6	Open Hole	37	27	-	37
MW-190A	OVB	Yes	S1	K11	E201303412	3/21/2013	IA-03	588051.2	728989.2	120.50	PVC	2	PVC Screen	17.5	5.5	-	17.5
MW-190B	3E	No	S2	L12	E201303413	3/26/2013	IA-03	588093.8	728963.3	120.76	Steel	6	Open Hole	43	23	-	43
MW-191A	OVB	Yes	S1	K11	E201303414	3/19/2013	IA-03	588066.8	729040.9	119.78	PVC	2	PVC Screen	14.5	4.5	-	14.5
MW-191B	3E	No	S2	K11	E201303415	3/26/2013	IA-03	588062.2	729031.8	119.83	Steel	6	Open Hole	47	27	-	47
MW-192	OVB	Yes	S1	L9	E201218665	12/14/2012	IA-07	587327.6	728871.8	110.08	PVC	2	PVC Screen	18	8	-	18
MW-193	OVB	Yes	S1	K9	E201218663	12/18/2012	IA-07	587412.5	729006.0	113.09	PVC	2	PVC Screen	16.85	6.85	-	16.85
MW-194	OVB	Yes	S1	K9	E201218664	12/18/2012	IA-07	587455.4	729073.9	114.12	PVC	2	PVC Screen	18	8	-	18
MW-196	3E	Yes	S1	M11	E201218603	12/13/2012	IA-07	587818.9	728552.7	118.73	PVC	2	PVC Screen	23	13	-	23
MW-197	3E	Yes	S1	M11	E201218604	12/12/2012	IA-07	587793.3	728548.1	118.44	PVC	2	PVC Screen	23	13	-	23
MW-199	3E	Yes	S1	M10	E201218831	12/19/2012	IA-07	587765.9	728548.3	118.75	PVC	2	PVC Screen	22	12	-	22
MW-19A	3E	Yes	S1	L11	E201000867	4/22/2010	IA-07	587874.6	728739.6	118.10	PVC	4	PVC Screen	17	7	-	17
MW-2	2W	Yes	S1	I8	2600011828	11/18/1987	IA-04	587102.9	729744.2	120.41	Steel	6	Open Hole	30.5	10.5	-	30.5
MW-200	3W	Yes	S1	I9	E201303563	4/18/2013	IA-04	587278.2	729679.5	120.58	Steel	6	Open Hole	26	16	-	26
MW-201	2E	Yes	S1	H11	E201303451	3/21/2013	Offsite	588019.4	730009.0	122.79	PVC	2	PVC Screen	37	27	-	37
MW-201A	2E	Yes	S1	H11	E201306049	5/2/2013	Offsite	588021.3	730011.2	122.69	PVC	2	PVC Screen	25	10	-	25
MW-201B	2E	No	S2	H11	E201411640	10/16/2014	Offsite	588034.0	730005.5	122.48	PVC	2	PVC Screen	50	40	-	50
MW-201C	3E	No	S3	H11	E201411639	10/17/2014	Offsite	588029.9	729998.7	122.48	PVC	2	PVC Screen	96	86	-	96
MW-202	2E	Yes	S1	H11	E201303452	3/22/2013	Offsite	588061.1	729979.1	123.39	PVC	2	PVC Screen	25	10	-	25
MW-203	2E	Yes	S1	H12	E201303453	3/22/2013	Offsite	588184.6	729913.2	125.93	PVC	2	PVC Screen	25	10	-	25
MW-204C	4E	No	S3	M10	E201304823	7/23/2013	IA-07	587527.3	728571.9	108.11	PVC	2	PVC Screen	70	50	-	70
MW-206B	1W	No	S2	I5	E201304512	4/15/2013	IA-10	586092.4	729862.6	120.59	PVC	2	PVC Screen	50	40	-	50
MW-206C	1W	No	S3	I5	E201302486	4/10/2013	IA-10	586105.2	729854.0	120.23	PVC	2	PVC Screen	80	60	-	80



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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-207A	OVB	Yes	S1	K6	E201304515	5/8/2013	IA-10	586307.3	728999.2	113.92	PVC	2	PVC Screen	15	5	-	15
MW-207B	2W	No	S2	K6	E201304516	4/17/2013	IA-10	586304.4	729020.2	114.11	PVC	2	PVC Screen	48	38	-	48
MW-207C	2W	No	S3	K6	E201302495	4/9/2013	IA-10	586294.2	729009.1	114.16	PVC	2	PVC Screen	80	60	-	80
MW-208A	OVB	Yes	S1	M6	E201304518	4/16/2013	IA-10	586507.8	728650.3	110.56	PVC	2	PVC Screen	14	4	-	14
MW-208B	3W	No	S2	M6	E201304519	4/18/2013	IA-10	586509.1	728672.0	110.16	PVC	2	PVC Screen	45	35	-	45
MW-208C	3W	No	S3	M6	E201302497	4/9/2013	IA-10	586495.9	728660.1	110.92	PVC	2	PVC Screen	80	60	-	80
MW-209A	OVB	Yes	S1	N7	E201306459	5/16/2013	Offsite	586675.7	728173.8	102.84	PVC	2	PVC Screen	18	8	-	18
MW-209B	4W	No	S2	N7	E201306460	5/20/2013	Offsite	586684.4	728175.0	102.77	PVC	2	PVC Screen	40	30	-	40
MW-209C	4W	No	S3	N7	E201306461	5/16/2013	Offsite	586681.5	728170.6	102.77	PVC	2	PVC Screen	80	60	-	80
MW-209AR	3W	Yes	S1	H9	E201512233	10/20/2015	IA-04	587317.8	729931.9	121.21	Steel	6	Open Hole	35	20	-	35
MW-21	OVB	Yes	S1	K9	2600036929	5/19/1994	IA-09	587227.0	729206.7	114.79	PVC	4	PVC Screen	15	5	-	15
MW-210	2W	Yes	S1	K6	E201305233	4/19/2013	IA-10	586364.9	729146.0	113.92	PVC	2	PVC Screen	15	5	-	15
MW-211C	5W	No	S3	I11	E201308508	6/14/2013	IA-12	587839.2	729795.9	123.01	PVC	2	PVC Screen	85	70	-	85
MW-212C	5W	No	S3	K10	E201308786	5/31/2013	IA-07	587487.3	729067.6	114.60	PVC	2	PVC Screen	80	60	-	80
MW-213B	1W	Yes	S1	L4	E201311462	8/23/2013	Offsite	585877.0	728882.6	148.46	PVC	2	PVC Screen	50	40	-	50
MW-213C	1W	No	S2	L4	E201311466	8/27/2013	Offsite	585866.1	728866.5	148.71	PVC	2	PVC Screen	80	60	-	80
MW-214A	OVB	Yes	S1	M6	E201311468	9/5/2013	Offsite	586290.3	728476.3	121.74	PVC	2	PVC Screen	25	20	-	25
MW-214B	2W	No	S2	M6	E201312148	8/22/2013	Offsite	586293.1	728487.5	121.45	PVC	2	PVC Screen	50	40	-	50
MW-214C	3W	No	S3	M6	E201311480	9/4/2013	Offsite	586284.7	728469.5	121.87	PVC	2	PVC Screen	80	60	-	80
MW-215C	4E	No	S3	P7	E201311204	8/15/2013	Offsite	586748.1	727501.6	103.44	PVC	2	PVC Screen	80	60	-	80
MW-216C	5E	No	S3	R8	E201311207	8/13/2013	Offsite	587128.2	727023.6	107.80	PVC	2	PVC Screen	80	60	-	80
MW-217BR	4W	No	S2	J9	E201510905	9/18/2015	IA-09	587434.4	729397.7	119.07	PVC	2	PVC Screen	42	32	-	42
MW-218	OVB	Yes	S1	M9	E201309945	7/27/2013	IA-07	587396.2	728492.8	107.70	PVC	2	PVC Screen	18	5	-	18
MW-218B	2E	No	S2	M9	E201316871	11/12/2013	IA-07	587387.6	728489.4	107.69	PVC	2	PVC Screen	50	40	-	50
MW-218C	3E	No	S3	M9	E201316872	11/13/2013	IA-07	587396.9	728483.0	107.75	PVC	2	PVC Screen	80	70	-	80
MW-219	OVB	Yes	S1	N9	E201309448	7/10/2013	IA-11	587295.5	728331.8	104.16	PVC	2	PVC Screen	20	5	-	20
MW-220	OVB	Yes	S1	Q10	E201308747	6/26/2013	IA-15	587478.5	727334.0	96.32	PVC	2	PVC Screen	12	2	-	12
MW-221B	4E	No	S2	P10	E201406105	6/10/2014	IA-15	587552.2	727490.3	99.33	PVC	2	PVC Screen	28	18	-	28
MW-221C	5E	No	S3	P10	E201308424	6/13/2013	IA-15	587523.7	727537.2	100.17	PVC	2	PVC Screen	80	60	-	80
MW-222	5E	No	S3	U11	E201313503	9/20/2013	Offsite	588022.0	726107.5	81.99	PVC	2	PVC Screen	80	70	-	80
MW-222C	5E	No	D2	U11	E201311482	9/20/2013	Offsite	588002.6	726102.6	83.50	PVC	2	PVC Screen	257	247	-	257
MW-224B	2E	No	S2	H11	E201306922	7/18/2013	IA-12	587889.6	729880.0	122.42	PVC	2	PVC Screen	40	27	-	40
MW-225A	2W	Yes	S1	I11	E201506927	9/17/2015	IA-03	587778.3	729586.9	121.72	PVC	2	PVC Screen	25	15	-	25
MW-225B	2E	No	S2	I11	E201310884	8/5/2013	IA-03	587772.8	729578.2	122.15	PVC	2	PVC Screen	40	30	-	40
MW-225C	5W	No	S3	I11	E201308280	7/30/2013	IA-03	587781.0	729594.9	121.39	PVC	2	PVC Screen	80	60	-	80
MW-226A	3W	Yes	S1	J8	E201312045	8/22/2013	IA-02	587112.2	729536.9	119.53	PVC	2	PVC Screen	15	5	-	15
MW-226B	3W	No	S2	J8	E201312046	8/22/2013	IA-02	587113.4	729552.0	119.51	PVC	2	PVC Screen	45	35	-	45
MW-226C	4W	No	S3	J8	E201310696	8/6/2013	IA-02	587122.0	729545.4	119.35	PVC	2	PVC Screen	80	60	-	80
MW-227A	3E	Yes	S1	N9	E201314571	10/8/2013	IA-11	587433.1	728128.1	109.44	PVC	2	PVC Screen	24.5	14.5	-	24.5
MW-227B	4E	No	S2	N9	E201310697	9/4/2013	IA-11	587425.3	728135.1	109.27	PVC	2	PVC Screen	52	42	-	52
MW-227C	4E	No	S3	N9	E201316258	10/9/2013	IA-11	587439.3	728123.3	109.77	PVC	2	PVC Screen	80	70	-	80
MW-229A	OVB	Yes	S1	G5	E201312140	8/12/2013	IA-10	586100.4	730374.9	127.19	PVC	2	PVC Screen	13.43	3.43	-	13.43
MW-229B	1W	No	S2	G5	E201310971	8/14/2013	IA-10	586090.3	730371.7	127.49	PVC	2	PVC Screen	50.64	40.6	-	50.6

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-229C	1W	No	S3	G5	E201316183	8/6/2013	IA-10	586103.2	730363.3	126.96	PVC	2	PVC Screen	80.63	60.6	-	80.6
MW-22A	3W	No	S2	L7	2600051883	9/29/1998	IA-06	586803.5	728799.5	109.31	Steel	6	Open Hole	45	25	-	45
MW-230C	1W	No	S3	F6	E201315813	8/9/2013	IA-10	586549.3	730479.7	120.07	PVC	2	PVC Screen	80	60	-	80
MW-231B	3W	No	S2	H10	E201310941	8/9/2013	IA-12	587541.2	730073.1	120.63	PVC	2	PVC Screen	44.97	34.97	-	44.97
MW-231C	4W	No	S3	H10	E201316280	9/4/2013	IA-12	587552.4	730069.3	120.58	PVC	2	PVC Screen	70	60	-	70
MW-232B	2E	Yes	S1	I12	E201310944	8/13/2013	IA-12	588227.3	729655.3	132.36	PVC	2	PVC Screen	50	40	-	50
MW-232C	3E	No	S2	I12	E201315818	8/9/2013	IA-12	588241.6	729650.4	133.19	PVC	2	PVC Screen	80	70	-	80
MW-233C	5W	No	S3	I11	E201306923	7/26/2013	IA-12	587886.4	729794.2	123.37	PVC	2	PVC Screen	70	50	-	70
MW-235	3W	Yes	S1	I9	E201310946	9/21/2013	IA-04	587338.1	729853.9	121.19	PVC	2	PVC Screen	25	20	-	25
MW-236B	4W	No	S2	P6	E201312196	9/10/2013	Offsite	586507.2	727770.2	109.61	PVC	2	PVC Screen	40	30	-	40
MW-236C	4W	No	S3	P6	E201312197	9/17/2013	Offsite	586501.7	727773.7	110.07	PVC	2	PVC Screen	57	47	-	57
MW-237A	2W	Yes	S1	G9	E201311727	8/19/2013	IA-12	587192.0	730306.0	135.43	Steel	6	Open Hole	30	20	-	30
MW-237B	3W	No	S2	G9	E201311726	4/18/2014	IA-12	587191.8	730315.4	135.81	PVC	2	PVC Screen	77	67	-	77
MW-237C	3W	No	S3	G9	E201315220	12/31/2013	IA-12	587182.9	730310.7	135.96	PVC	2	PVC Screen	120	110	-	120
MW-238B	3E	No	S2	M9	E201315054	10/11/2013	IA-07	587199.9	728582.6	109.27	PVC	2	PVC Screen	50	40	-	50
MW-238C	5W	No	S3	M9	E201312547	9/12/2013	IA-07	587190.8	728587.6	108.61	PVC	2	PVC Screen	80	70	-	80
MW-239	OVB	Yes	S1	J10	E201315998	11/25/2013	IA-03	587731.1	729510.9	120.84	PVC	2	PVC Screen	20.5	10.5	-	20.5
MW-239C	5W	No	S3	J10	E201506928	7/20/2015	IA-03	587709.3	729526.9	121.61	PVC	2	PVC Screen	75	55	-	75
MW-24	2E	Yes	S1	I11	2600036932	5/25/1994	IA-12	587875.7	729720.2	122.46	Steel	6	Open Hole	42	22	-	42
MW-240BR	3W	No	S2	J8	E201406427	4/21/2014	IA-02	587107.5	729422.0	118.78	Stainless	2	Stainless Screen	50.88	30.88	-	50.88
MW-241B	3W	No	S2	J8	E201401690	4/21/2014	IA-02	587128.4	729375.7	118.45	Stainless	2	Stainless Screen	50.76	30.76	-	50.76
MW-243B	3W	No	S2	J8	E201401692	4/22/2014	IA-02	587132.3	729297.6	114.99	Stainless	2	Stainless Screen	51.5	31.5	-	51.5
MW-244B	3W	No	S2	J8	E201404218	4/22/2014	IA-06	587041.0	729295.7	115.75	Stainless	2	Stainless Screen	50	30	-	50
MW-247A	OVB	Yes	S1	K9	E201403935	4/23/2014	IA-09	587467.2	729229.5	117.39	PVC	2	PVC Screen	25	10	-	25
MW-248A	OVB	Yes	S1	M9	E201403922	4/15/2014	IA-07	587223.7	728656.1	109.14	PVC	2	PVC Screen	25	10	-	25
MW-249A	2E	Yes	S1	M9	E201403942	4/16/2014	IA-07	587403.6	728643.4	107.93	PVC	2	PVC Screen	25	10	-	25
MW-24A	2E	No	S2	I10	E201316581	12/2/2013	IA-12	587769.5	729748.1	123.27	PVC	2	PVC Screen	50	30	-	50
MW-24B	2E	No	S2	I11	E201316436	12/2/2013	IA-12	587873.0	729685.2	122.05	PVC	2	PVC Screen	50	30	-	50
MW-24C	2E	No	S2	J10	E201316485	11/18/2013	IA-03	587718.5	729540.5	122.05	PVC	2	PVC Screen	50	30	-	50
MW-250B	2W	No	S2	I10	E201316180	9/20/2013	IA-12	587766.5	729844.5	121.63	PVC	2	PVC Screen	50	40	-	50
MW-252C	4W	No	S3	K9	E201316071	9/20/2013	IA-09	587183.1	729225.1	114.88	PVC	2	PVC Screen	80	60	-	80
MW-253A	2E	Yes	S1	L9	E201403936	4/21/2014	IA-07	587454.2	728923.7	112.50	PVC	2	PVC Screen	25	10	-	25
MW-253B	3E	No	S2	L9	E201316269	9/30/2013	IA-07	587463.7	728966.5	113.16	PVC	2	PVC Screen	50.07	40.07	-	50.07
MW-253C	3E	No	S3	L9	E201316270	9/25/2013	IA-07	587456.6	728954.7	112.95	PVC	2	PVC Screen	80	60	-	80
MW-254B	2W	Yes	S1	H8	E201314609	10/16/2013	IA-01	586929.2	730119.7	120.85	Steel	6	Open Hole	30.4	20.4	-	30.4
MW-255B	2W	Yes	S1	H8	E201314610	10/21/2013	IA-01	586927.3	729945.1	120.51	Steel	6	Open Hole	30.1	20.1	-	30.1
MW-256B	2W	Yes	S1	H8	E201314611	10/16/2013	IA-01	587020.4	729907.9	120.71	Steel	6	Open Hole	28.55	19.55	-	28.55
MW-257A	4E	Yes	S1	Q8	E201316278	10/16/2013	Offsite	587160.1	727293.4	101.16	PVC	2	PVC Screen	30	20	-	30
MW-257B	4E	No	S2	Q8	E201316279	10/2/2013	Offsite	587166.7	727291.4	101.19	PVC	2	PVC Screen	50	40	-	50
MW-258B	5E	No	S2	U9	E201315392	10/29/2013	Offsite	587280.1	726060.1	132.71	PVC	2	PVC Screen	84	59	-	84
MW-258C	5E	No	S3	U9	E201314458	10/29/2013	Offsite	587287.2	726067.9	132.76	PVC	2	PVC Screen	130	105	-	130
MW-260C	4E	No	S2	L13	E201310429	9/20/2013	IA-03	588578.3	728709.4	157.28	PVC	2	PVC Screen	80	60	-	80
MW-260-S3	5E	No	S3	L13	E201403642	4/18/2014	IA-03	588555.8	728737.5	159.19	PVC	2	PVC Screen	135	120	-	135

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-263B	2W	No	S2	I11	E201317369	11/21/2013	IA-12	587924.0	729822.5	123.45	Steel	6	Open Hole (4")	50	30	-	50
MW-265B	4W	No	S2	H10	E201318473	1/10/2014	IA-12	587679.7	729994.0	120.22	PVC	2	PVC Screen	50	40	-	50
MW-265C	4W	No	S3	H10	E201403229	4/15/2014	IA-12	587665.6	730002.1	120.33	PVC	2	PVC Screen	100	90	-	100
MW-266A	1W	Yes	S1	G7	E201318470	12/31/2013	IA-12	586765.4	730470.2	119.80	PVC	2	PVC Screen	37.81	27.81	-	37.81
MW-266B	2W	No	S2	G7	E201318471	12/27/2013	IA-12	586763.8	730461.0	119.90	PVC	2	PVC Screen	70	60	-	70
MW-266C	2W	No	S3	G7	E201318472	12/27/2013	IA-12	586771.3	730459.4	119.89	PVC	2	PVC Screen	95	85	-	95
MW-267A	1W	Yes	S1	G3	E201400817	12/20/2013	Private Road	585617.3	730443.2	153.87	PVC	2	PVC Screen	56	46	-	56
MW-267B	1W	No	S2	G3	E201318590	1/13/2014	Private Road	585661.4	730413.3	152.49	PVC	2	PVC Screen	105	95	-	105
MW-267C	2W	No	S3	G3	E201318591	1/8/2014	Private Road	585649.2	730421.7	152.87	PVC	2	PVC Screen	141	131	-	141
MW-269A	4E	Yes	S1	N12	E201401593	4/3/2014	IA-07	588163.3	728226.0	149.26	PVC	2	PVC Screen	57	47	-	57
MW-269C	5E	No	S3	N12	E201401594	4/7/2014	IA-07	588157.6	728220.5	149.03	PVC	2	PVC Screen	125	115	-	125
MW-26A	3E	No	S2	M8	2600043994	3/21/1996	IA-11	587122.6	728387.0	103.48	Steel	6	Open Hole	50	30	-	50
MW-27	1W	Yes	S1	J6	2600051886	10/1/1998	IA-10	586461.5	729512.2	112.81	PVC	2	PVC Screen	15	5	-	15
MW-270A	4E	Yes	S1	M12	E201401596	3/26/2014	IA-07	588348.5	728502.6	154.79	PVC	2	PVC Screen	62	52	-	62
MW-270C	5E	No	S3	M12	E201401597	3/28/2014	IA-07	588341.1	728489.2	154.27	PVC	2	PVC Screen	130	120	-	130
MW-271A	3E	Yes	S1	J13	E201404694	5/6/2014	IA-12	588622.5	729418.0	150.96	PVC	2	PVC Screen	60	50	-	60
MW-271B	4E	No	S2	J13	E201404618	5/6/2014	IA-12	588609.8	729420.1	150.29	PVC	2	PVC Screen	95	85	-	95
MW-271C	4E	No	S3	J13	E201404615	5/5/2014	IA-12	588618.4	729404.8	151.06	PVC	2	PVC Screen	135	125	-	135
MW-272A	2E	Yes	S1	I12	E201401599	2/25/2014	IA-12	588327.0	729602.1	136.77	PVC	2	PVC Screen	49	39	-	49
MW-272B	3E	No	S2	I12	E201401600	3/21/2014	IA-12	588317.2	729608.1	136.32	PVC	2	PVC Screen	70	60	-	70
MW-272C	3E	No	S3	I12	E201401601	3/21/2014	IA-12	588317.2	729597.2	136.56	PVC	2	PVC Screen	100	90	-	100
MW-273B	1W	No	S2	F6	E201401462	2/11/2014	IA-10	586351.6	730565.1	121.77	PVC	2	PVC Screen	50	40	-	50
MW-273C	1W	No	S3	F6	E201401463	2/18/2014	IA-10	586357.6	730554.6	121.55	PVC	2	PVC Screen	101	91	-	101
MW-274A	OVB	Yes	S1	H4	E201404620	2/24/2014	IA-10	585896.9	730012.7	128.20	PVC	2	PVC Screen	20	5	-	20
MW-274B	1W	No	S2	H4	E201404621	4/28/2014	IA-10	585902.8	730023.7	127.31	PVC	2	PVC Screen	65	55	-	65
MW-274C	1W	No	S3	H4	E201404622	4/29/2014	IA-10	585909.7	730034.5	126.57	PVC	2	PVC Screen	95	85	-	95
MW-275A	OVB	Yes	S1	M7	E201405042	5/2/2014	IA-10	586682.0	728549.5	105.17	PVC	2	PVC Screen	14	4	-	14
MW-275B	3W	No	S2	M7	E201405043	5/6/2014	IA-10	586671.4	728554.8	105.38	PVC	2	PVC Screen	45	35	-	45
MW-275C	4W	No	S3	M7	E201405044	5/1/2014	IA-10	586659.1	728559.1	105.75	PVC	2	PVC Screen	80	70	-	80
MW-276A	4E	Yes	S1	P11	E201403620	4/3/2014	IA-13	587900.3	727544.7	115.45	PVC	2	PVC Screen	30	20	-	30
MW-276B	5E	No	S2	P11	E201403621	4/8/2014	IA-13	587896.9	727533.1	114.83	PVC	2	PVC Screen	55	45	-	55
MW-276C	5E	No	S3	P11	E201403622	4/16/2014	IA-13	587892.6	727522.0	114.46	PVC	2	PVC Screen	90	80	-	90
MW-277A	OVB	Yes	S1	Q13	E201403625	4/24/2014	IA-14	588433.7	727218.7	94.50	PVC	2	PVC Screen	19	9	-	19
MW-277B	5E	No	S2	Q13	E201403626	4/25/2014	IA-14	588428.9	727211.4	93.90	PVC	2	PVC Screen	44	34	-	44
MW-277C	5E	No	S3	Q13	E201403716	5/5/2014	IA-14	588420.2	727206.0	93.26	PVC	2	PVC Screen	80	70	-	80
MW-278B	5E	No	S2	R10	E201404154	4/21/2014	IA-15	587616.2	727091.7	92.76	PVC	2	PVC Screen	43	33	-	43
MW-27B	2W	No	S2	J6	E201409380	7/29/2014	IA-10	586443.9	729515.0	113.19	PVC	2	PVC Screen	50	40	-	50
MW-27C	2W	No	S3	J6	E201409381	7/31/2014	IA-10	586449.7	729502.5	112.88	PVC	2	PVC Screen	80	70	-	80
MW-28	1W	Yes	S1	J6	2600051887	10/1/1998	IA-10	586448.0	729455.0	113.07	PVC	2	PVC Screen	15	5	-	15
MW-286A	OVB	Yes	S1	I5	E201401095	1/28/2014	IA-10	586249.3	729818.7	117.33	PVC	2	PVC Screen	9	1	-	9
MW-287AR	OVB	Yes	S1	I5	E201902995	N/A	IA-10	586216.4	729843.3	118.00	PVC	2	PVC Screen	9	1	-	9
MW-288B	2E	No	S2	M9	E201403944	4/15/2014	IA-07	587466.6	728623.0	108.84	PVC	2	PVC Screen	50	30	-	50
MW-290A	OVB	Yes	S1	M9	E201403938	4/16/2014	IA-07	587312.6	728496.3	108.06	PVC	2	PVC Screen	25	10	-	25

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-291A	3E	Yes	S1	M9	E201403939	4/18/2014	IA-07	587432.2	728468.2	108.29	PVC	2	PVC Screen	25	10	-	25
MW-292A	2E	Yes	S1	M9	E201403940	4/14/2014	IA-07	587347.7	728434.4	107.17	PVC	2	PVC Screen	25	10	-	25
MW-292B	3E	No	S2	M9	E201403941	4/14/2014	IA-07	587339.2	728420.9	106.36	PVC	2	PVC Screen	50	30	-	50
MW-294A	2E	Yes	S1	I11	E201404288	4/18/2014	IA-12	587975.6	729755.6	123.56	PVC	2	PVC Screen	25	10	-	25
MW-294C	3E	No	S3	I11	E201511977	10/9/2015	IA-12	587933.9	729748.3	123.14	steel	6	Open Hole	85	75	-	85
MW-295A	2E	Yes	S1	I11	E201404289	4/17/2014	IA-12	587944.9	729711.1	123.33	PVC	2	PVC Screen	25	10	-	25
MW-295B	2E	No	S2	I11	E201404291	4/17/2014	IA-12	587945.8	729704.6	123.30	PVC	2	PVC Screen	50	30	-	50
MW-295C	3E	No	S3	I11	E201511978	10/13/2015	IA-12	587940.4	729709.5	123.38	steel	6	Open Hole	85	75	-	85
MW-296A	2E	Yes	S1	I11	E201404290	4/23/2014	IA-12	587892.5	729655.0	122.46	PVC	2	PVC Screen	25	10	-	25
MW-297B	4W	No	S2	J9	E201405301	5/8/2014	IA-09	587360.3	729437.0	118.77	PVC	2	PVC Screen	42	32	-	42
MW-298B	4W	No	S2	J9	E201405302	5/6/2014	IA-09	587393.4	729416.5	119.18	PVC	2	PVC Screen	42	32	-	42
MW-2B	3W	No	S2	I8	E201501289	4/14/2015	IA-04	587109.0	729740.1	120.55	Steel	6	Open Hole	60	45	-	60
MW-2C	4W	No	S3	I8	E201501290	4/14/2015	IA-04	587115.8	729735.7	120.55	PVC	2	PVC Screen	115	105	-	115
MW-3	3E	No	S2	L13	2600011829	10/28/1987	IA-12	588532.0	728954.2	158.50	Steel	6	Open Hole	79	25	-	79
MW-301C	4E	No	S3	O9	E201405946	5/30/2014	IA-11	587247.2	728055.0	102.34	Steel	6	Open Hole	88	63	-	88
MW-302C	4E	No	S3	O10	E201407274	7/2/2014	IA-11	587542.7	728022.5	117.33	Steel	6	Open Hole	98	73	-	98
MW-303C	4E	No	S3	O9	E201407275	6/9/2014	IA-11	587400.6	727914.6	110.20	PVC	2	PVC Screen	93	68	-	93
MW-304A	4E	Yes	S1	P9	E201510844	9/14/2015	Offsite	587206.2	727725.7	101.04	PVC	4	PVC Screen	20	10	-	20
MW-304B	4E	No	S2	P9	E201510845	9/15/2015	Offsite	587211.9	727718.8	101.18	PVC	4	PVC Screen	50	30	-	50
MW-304C	5E	No	S3	P9	E201510846	9/18/2015	Offsite	587212.9	727739.8	100.99	PVC	4	PVC Screen	90	70	-	90
MW-305B	3W	No	S2	J8	E201405519	5/29/2014	IA-02	587123.8	729443.3	119.10	Stainless	2	Stainless Screen	50.94	30.94	-	50.94
MW-306B	3W	No	S2	J8	E201405520	5/29/2014	IA-02	587058.2	729502.0	118.76	Stainless	2	Stainless Screen	50.5	30.5	-	50.5
MW-308B	3W	No	S2	J8	E201405521	5/22/2014	IA-02	587120.6	729314.6	117.49	Stainless	2	Stainless Screen	50.73	30.73	-	50.73
MW-31	OVB	Yes	S1	J6	2600053316	5/5/1999	IA-10	586509.5	729566.8	113.37	PVC	2	PVC Screen	10	3	-	10
MW-311C	4W	No	S3	J8	E201405523	5/20/2014	IA-02	587096.9	729438.7	118.88	Stainless	2	Stainless Screen	80.08	60.08	-	80.08
MW-312B	3W	No	S2	J8	E201405524	5/23/2014	IA-02	587132.9	729461.0	119.18	Stainless	2	Stainless Screen	50.94	30.94	-	50.94
MW-313B	3W	No	S2	J8	E201405525	5/27/2014	IA-02	587067.7	729449.3	118.57	Stainless	2	Stainless Screen	50.05	30.05	-	50.05
MW-314B	3W	No	S2	J8	E201405595	5/19/2014	IA-02	587004.6	729417.0	117.03	Stainless	2	Stainless Screen	50.5	30.5	-	50.5
MW-315B	3W	No	S2	J8	E201405526	5/23/2014	IA-02	587146.5	729479.7	119.14	Stainless	2	Stainless Screen	50.6	30.6	-	50.6
MW-32	OVB	Yes	S1	I5	2600053317	5/6/1999	IA-10	586228.0	729760.0	118.77	PVC	2	PVC Screen	12	2	-	12
MW-320C	4W	No	S3	L7	E201405734	6/16/2014	IA-06	586808.4	728727.7	108.56	PVC	2	PVC Screen	70	60	-	70
MW-324B	3E	No	S2	N9	E201406425	6/12/2014	IA-11	587241.0	728219.7	102.32	PVC	6	PVC Screen	31.83	21.83	-	31.83
MW-325B	3E	No	S2	N9	E201407241	6/11/2014	IA-11	587222.2	728202.8	101.93	PVC	6	PVC Screen	31.85	21.85	-	31.85
MW-326B	3E	No	S2	N9	E201407909	6/20/2014	IA-11	587214.9	728184.4	101.74	PVC	6	PVC Screen	32.88	22.88	-	32.88
MW-329C	4E	No	S3	N9	E201408365	7/3/2014	IA-11	587241.9	728155.8	102.52	Steel	6	Open Hole	61.98	31.98	-	61.98
MW-33	OVB	Yes	S1	O9	2600056730	3/8/2000	IA-11	587198.4	728032.9	103.69	PVC	2	PVC Screen	23	8	-	23
MW-330C	4E	No	S3	N9	E201408366	7/1/2014	IA-11	587212.7	728150.6	101.54	Steel	6	Open Hole	62	32	-	62
MW-331C	4E	No	S3	N8	E201408210	7/18/2014	IA-11	587164.7	728160.8	100.21	Steel	6	Open Hole	85	60	-	85
MW-332C	4E	No	S3	N9	E201407382	6/16/2014	IA-11	587222.9	728124.1	101.82	Steel	6	Open Hole	88	63	-	88
MW-333C	4E	No	S3	N9	E201407156	6/20/2014	IA-11	587187.4	728088.7	100.65	Steel	6	Open Hole	89	64	-	89
MW-334B	4E	No	S2	P9	E201406106	6/12/2014	IA-15	587458.6	727550.1	101.33	PVC	2	PVC Screen	28.4	18.4	-	28.4
MW-335B	4E	No	S2	Q10	E201406107	5/30/2014	IA-15	587508.7	727454.3	99.35	PVC	2	PVC Screen	28.94	18.94	-	28.94
MW-336B	4E	No	S2	Q10	E201406108	5/27/2014	IA-15	587560.3	727413.5	98.51	PVC	2	PVC Screen	27.56	17.56	-	27.56

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-336C	5E	No	S3	Q10	E201406773	6/6/2014	IA-15	587565.6	727408.3	98.48	PVC	2	PVC Screen	69.41	59.41	-	69.41		
MW-337B	4E	No	S2	P9	E201406109	6/19/2014	IA-15	587400.4	727495.9	96.74	PVC	2	PVC Screen	28	18	-	28		
MW-337C	5E	No	S3	P9	E201413488	1/13/2015	IA-15	587406.4	727484.1	96.80	PVC	2	PVC Screen	75	65	-	75		
MW-338A	4E	Yes	S1	P9	E201511404	9/21/2015	Offsite	587285.8	727564.3	102.68	PVC	4	PVC Screen	20	10	-	20		
MW-338B	4E	No	S2	P9	E201511061	9/22/2015	Offsite	587278.9	727557.3	103.01	PVC	4	PVC Screen	50	30	-	50		
MW-338C	5E	No	S3	P9	E201511062	9/23/2015	Offsite	587276.6	727563.7	103.00	PVC	4	PVC Screen	90	70	-	90		
MW-339A	4E	Yes	S1	Q9	E201511051	9/18/2015	Offsite	587346.1	727441.9	103.36	PVC	4	PVC Screen	20	10	-	20		
MW-339B	4E	No	S2	Q9	E201511052	9/18/2015	Offsite	587337.9	727443.0	103.64	PVC	4	PVC Screen	50	30	-	50		
MW-339C	5E	No	S3	Q9	E201511053	9/22/2015	Offsite	587343.0	727451.8	103.45	PVC	4	PVC Screen	90	70	-	90		
MW-33A	OVb	Yes	S1	O9	E201315953	11/12/2013	IA-11	587193.0	728032.1	101.91	PVC	2	PVC Screen	17	7	-	17		
MW-33B	3E	Yes	S1	O9	E201315952	11/13/2013	IA-11	587194.6	728028.8	101.99	PVC	2	PVC Screen	25	15	-	25		
MW-34	3E	Yes	S1	L12	2600053357	4/30/1999	IA-03	588359.9	728965.5	146.51	PVC	2	PVC Screen	49.4	29.4	-	49.4		
MW-340A	4E	Yes	S1	Q9	E201510847	9/21/2015	Offsite	587402.2	727336.7	103.99	PVC	4	PVC Screen	20	10	-	20		
MW-340B	5E	No	S2	Q9	E201510848	9/22/2015	Offsite	587406.2	727328.4	103.99	PVC	4	PVC Screen	50	30	-	50		
MW-340C	5E	No	S3	Q9	E201510849	9/23/2015	Offsite	587396.2	727328.5	103.96	PVC	4	PVC Screen	90	70	-	90		
MW-341A	OVb	Yes	S1	J8	E201603927	4/12/2016	IA-02	587083.0	729357.8	117.70	Stainless	2	Stainless Screen	18.4	7.4	-	17.4		
MW-345C	4E	No	S3	N9	E201406559	6/9/2014	IA-11	587235.2	728089.1	101.95	Steel	6	Open Hole	62	32	-	62		
MW-347B	3W	No	S2	L6	E201407735	6/24/2014	IA-10	586519.8	728894.0	109.38	PVC	2	PVC Screen	60	40	-	60		
MW-347C	3W	No	S3	L6	E201407736	6/25/2014	IA-10	586524.0	728905.2	109.33	PVC	2	PVC Screen	80	70	-	80		
MW-348B	3W	No	S2	L6	E201407806	6/27/2014	IA-10	586485.8	728818.8	109.45	PVC	2	PVC Screen	60	50	-	60		
MW-348C	3W	No	S3	L6	E201407807	6/27/2014	IA-10	586493.6	728811.9	109.25	PVC	2	PVC Screen	100	90	-	100		
MW-349B	3W	No	S2	L7	E201408235	7/8/2014	IA-10	586629.3	728709.4	106.47	PVC	2	PVC Screen	60	40	-	60		
MW-349C	4W	No	S3	L7	E201408236	7/9/2014	IA-10	586625.1	728703.5	106.35	PVC	2	PVC Screen	100	90	-	100		
MW-351B	4W	No	S2	J10	E201409430	8/1/2014	IA-04	587476.4	729467.2	120.81	PVC	2	PVC Screen	55	40	-	55		
MW-351C	4W	No	S3	J9	E201409431	8/1/2014	IA-04	587469.9	729456.4	120.39	PVC	2	PVC Screen	85	60	-	85		
MW-353A	3E	Yes	S1	I13	E201501296	3/16/2015	Offsite	588636.6	729618.1	146.95	PVC	2	PVC Screen	55	45	-	55		
MW-353B	3E	No	S2	I13	E201501297	3/15/2015	Offsite	588639.7	729614.4	146.95	PVC	2	PVC Screen	84	74	-	84		
MW-353C	4E	No	S3	I13	E201501299	3/15/2015	Offsite	588642.2	729615.5	147.15	PVC	2	PVC Screen	130	120	-	130		
MW-354A	2W	Yes	S1	H8	E201409763	8/4/2014	IA-04	587161.4	729935.2	121.20	Steel	6	Open Hole	40	15	-	40		
MW-355A	2W	Yes	S1	I8	E201409764	8/4/2014	IA-04	587110.9	729873.1	121.08	Steel	6	Open Hole	25	15	-	25		
MW-356A	2W	Yes	S1	H8	E201409765	8/4/2014	IA-01	587106.2	729909.1	120.72	Steel	6	Open Hole	40	15	-	40		
MW-357A	2W	Yes	S1	H8	E201409766	8/4/2014	IA-01	587128.4	729942.4	121.25	Steel	6	Open Hole	25.4	15.4	-	25.4		
MW-357-S2	3W	No	S2	H8	E201413443	10/27/2014	IA-01	587124.8	729938.2	121.06	Steel	6	Open Hole	60.3	50.3	-	60.3		
MW-357-S3	3W	No	S3	H8	E201414559	11/12/2014	IA-01	587123.6	729925.4	120.85	Steel	6	Open Hole	85.25	75.25	-	85.25		
MW-358A	2E	Yes	S1	I11	E201410372	8/20/2014	IA-12	587828.9	729688.6	123.83	PVC	2	PVC Screen	30.23	20.23	-	30.23		
MW-358B	2E	No	S2	I11	E201410376	8/20/2014	IA-12	587828.9	729688.3	123.76	PVC	2	PVC Screen	50.23	40.23	-	50.23		
MW-359A	2E	Yes	S1	I11	E201410373	8/20/2014	IA-12	587832.4	729697.3	123.89	PVC	2	PVC Screen	30	20	-	30		
MW-359B	2E	No	S2	I11	E201410377	8/20/2014	IA-12	587832.3	729697.5	123.83	PVC	2	PVC Screen	50	40	-	50		
MW-360A	2E	Yes	S1	I11	E201410374	8/26/2014	IA-12	587813.0	729718.6	123.96	PVC	2	PVC Screen	30	20	-	30		
MW-360B	2E	No	S2	I11	E201410378	8/28/2014	IA-12	587812.8	729718.9	123.90	PVC	2	PVC Screen	50	40	-	50		
MW-361A	2E	Yes	S1	I11	E201411069	9/3/2014	IA-12	587845.6	729722.2	123.75	PVC	2	PVC Screen	30	20	-	30		
MW-361B	2E	No	S2	I11	E201411070	9/3/2014	IA-12	587845.5	729722.0	123.68	PVC	2	PVC Screen	50	40	-	50		
MW-362A	2E	Yes	S1	I11	E201411075	8/25/2014	IA-12	587857.9	729725.7	123.21	Stainless	2	Stainless Screen	30	20	-	30		

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-362B	2E	No	S2	I11	E201411076	8/25/2014	IA-12	587858.0	729725.4	123.12	Stainless	2	Stainless Screen	50	40	-	50
MW-363A	2E	Yes	S1	I11	E201411660	9/10/2014	IA-12	587853.9	729712.2	123.23	PVC	2	PVC Screen	30	20	-	30
MW-363B	2E	No	S2	I11	E201411661	9/9/2014	IA-12	587854.2	729712.1	123.18	PVC	2	PVC Screen	50	40	-	50
MW-363C	2E	No	S3	I11	E201411702	9/19/2014	IA-12	587849.7	729710.2	123.39	PVC	2	PVC Screen	70	50	-	70
MW-364A	2E	Yes	S1	I11	E201410700	9/10/2014	IA-12	587880.1	729680.5	122.50	PVC	2	PVC Screen	30	20	-	30
MW-364B	2E	No	S2	I11	E201410701	9/10/2014	IA-12	587879.9	729680.7	122.40	PVC	2	PVC Screen	50	40	-	50
MW-364C	2E	No	S3	I11	E201410519	8/22/2014	IA-12	587884.3	729678.2	122.52	PVC	2	PVC Screen	70.8	50.8	-	70.8
MW-365A	2E	Yes	S1	I11	E201410702	9/10/2014	IA-12	587883.9	729667.7	122.26	PVC	2	PVC Screen	30	20	-	30
MW-365B	2E	No	S2	I11	E201410703	9/10/2014	IA-12	587883.7	729667.8	122.20	PVC	2	PVC Screen	50	40	-	50
MW-366A	4E	Yes	S1	P9	E201412401	9/26/2014	IA-11	587370.5	727734.5	103.23	PVC	2	PVC Screen	18	8	-	18
MW-366B	4E	No	S2	P9	E201412402	9/30/2014	IA-11	587370.3	727747.0	103.68	PVC	2	PVC Screen	45	35	-	45
MW-366C	5E	No	S3	P9	E201413313	10/16/2014	IA-11	587380.6	727748.0	103.76	PVC	2	PVC Screen	85	75	-	85
MW-367A	OVB	Yes	S1	P9	E201412399	9/24/2014	IA-15	587381.4	727530.2	97.02	PVC	2	PVC Screen	14.94	4.94	-	14.94
MW-367B	4E	No	S2	P9	E201412400	9/24/2014	IA-15	587388.3	727527.0	97.14	PVC	2	PVC Screen	39.99	29.99	-	39.99
MW-367C	5E	No	S3	P9	E201413489	1/9/2015	IA-15	587385.6	727532.3	96.97	PVC	2	PVC Screen	69.87	59.87	-	69.87
MW-367-S2	4E	No	S2	P9	E201501815	3/10/2015	IA-15	587377.9	727544.4	96.96	Steel	6	Stainless Screen	50	30	-	50
MW-367-S3	5E	No	S3	P9	E201501816	3/12/2015	IA-15	587374.5	727552.6	96.85	Steel	6	Stainless Screen	80	60	-	80
MW-368A	2W	Yes	S1	H8	E201413444	11/10/2014	IA-01	587068.8	729959.8	120.83	Steel	6	Open Hole	25.28	14.28	-	25.28
MW-37	2E	Yes	S1	K12	2600053360	4/28/1999	IA-03	588192.4	729148.8	134.73	Steel	6	Open Hole	35	20	-	35
MW-370A	2W	Yes	S1	H8	E201413446	11/6/2014	IA-01	587164.6	729996.9	120.59	Steel	6	Open Hole	26	15	-	26
MW-371A	2W	Yes	S1	H9	E201413447	11/12/2014	IA-04	587203.2	729908.1	122.06	Steel	6	Open Hole	26.16	15.16	-	26.16
MW-371B	3W	No	S2	H9	E201501460	3/26/2015	IA-04	587219.2	729912.8	121.91	Steel	6	Open Hole	45.11	35.11	-	45.11
MW-371C	4W	No	S3	H9	E201501462	3/23/2015	IA-04	587214.3	729903.9	121.96	PVC	2	PVC Screen	115.18	105.18	-	115.18
MW-372A	2W	Yes	S1	H8	E201415852	1/15/2015	IA-01	587142.8	730043.1	120.42	Steel	6	Open Hole	24.43	14.43	-	24.43
MW-373A	4E	Yes	S1	N10	E201504143	5/18/2015	IA-07	587760.3	728106.4	138.13	PVC	2	PVC Screen	43	33	-	43
MW-373B	4E	No	S2	N10	E201502842	12/16/2014	IA-07	587757.3	728110.6	137.93	PVC	2	PVC Screen	77	67	-	77
MW-373C	5E	No	S3	N10	E201502843	12/16/2014	IA-07	587751.1	728113.2	137.48	PVC	2	PVC Screen	118	108	-	118
MW-374B	4E	No	S2	N11	E201502844	12/16/2014	IA-07	587811.7	728085.0	140.57	PVC	2	PVC Screen	76	66	-	76
MW-374C	5E	No	S3	N11	E201502845	12/16/2014	IA-07	587814.4	728079.5	140.49	PVC	2	PVC Screen	107	97	-	107
MW-375A	2E	Yes	S1	J13	E201414287	12/5/2014	IA-12	588450.6	729520.3	143.37	Steel	6	Open Hole	54	34	-	54
MW-375B	3E	No	S2	J13	E201414288	11/21/2014	IA-12	588465.3	729510.8	144.35	PVC	2	PVC Screen	78	68	-	78
MW-375C	4E	No	S3	J13	E201414289	1/22/2015	IA-12	588473.5	729505.9	144.76	PVC	2	PVC Screen	135	115	-	135
MW-376B	3E	No	S2	K13	E201414290	11/14/2014	IA-12	588446.8	729085.7	151.37	PVC	2	PVC Screen	86	76	-	86
MW-376C	4E	No	S3	K13	E201414291	11/25/2014	IA-12	588440.9	729090.6	150.96	PVC	2	PVC Screen	128	113	-	128
MW-376-S3	4E	No	S3	K13	E201506505	7/13/2015	IA-12	588440.7	729106.1	150.48	PVC	2	PVC Screen	110	100	-	110
MW-377B	4E	No	S2	L12	E201500786	11/13/2014	IA-07	588132.9	728812.1	145.15	PVC	2	PVC Screen	90	80	-	90
MW-377C	4E	No	S3	L12	E201500787	12/16/2014	IA-07	588135.4	728816.5	145.21	PVC	2	PVC Screen	118	108	-	118
MW-378C	4E	No	S3	L12	E201500789	12/2/2014	IA-07	588234.5	728754.1	147.85	PVC	2	PVC Screen	107.87	97.87	-	107.87
MW-379A	2E	Yes	S1	I11	E201415538	12/2/2014	IA-12	587941.5	729777.7	123.19	Stainless	2	Stainless Screen	25	10	-	25
MW-38	OVB	Yes	S1	L11	2600053361	4/20/1999	IA-03	587990.5	728907.5	118.65	PVC	2	PVC Screen	6.5	1.5	-	6.5
MW-380A	2W	Yes	S1	I11	E201415539	12/2/2014	IA-12	587909.7	729765.6	122.54	Stainless	2	Stainless Screen	25	10	-	25
MW-381A	2W	Yes	S1	I11	E201415540	12/4/2014	IA-12	587891.7	729757.0	122.53	Stainless	2	Stainless Screen	25	10	-	25
MW-382B	2W	No	S2	I11	E201415560	12/5/2014	IA-12	587924.4	729788.3	122.85	Stainless	2	Stainless Screen	50	30	-	50

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-383A	2W	Yes	S1	I11	E201415541	12/2/2014	IA-12	587939.1	729799.2	123.28	Stainless	2	Stainless Screen	25	10	-	25
MW-384A	2W	Yes	S1	H8	E201414482	11/4/2014	IA-01	586908.6	730150.6	119.66	PVC	2	PVC Screen	10	3	-	10
MW-387A	2W	Yes	S1	H8	E201416303	2/6/2015	IA-01	587093.2	730147.3	120.69	Steel	6	Open Hole	25	15	-	25
MW-387B	2W	No	S2	H8	E201416042	1/28/2015	IA-01	587095.7	730141.4	120.68	Steel	6	Open Hole	60	50	-	60
MW-387C	4W	No	S3	H8	E201415880	2/5/2015	IA-01	587088.0	730146.2	120.59	PVC	2	PVC Screen	120	110	-	120
MW-388A	2W	Yes	S1	H9	E201416304	2/10/2015	IA-01	587188.0	730087.4	120.90	Steel	6	Open Hole	25	15	-	25
MW-388B	3W	No	S2	H9	E201416043	2/26/2015	IA-01	587196.8	730081.8	121.02	PVC	2	PVC Screen	65	55	-	65
MW-389A	2W	Yes	S1	H8	E201415853	1/12/2015	IA-01	587078.2	730072.5	121.42	Steel	6	Open Hole	25	15	-	25
MW-390A	2W	Yes	S1	H8	E201415869	2/17/2015	IA-01	587010.5	730001.4	120.89	Steel	6	Open Hole	27	17	-	27
MW-390B	2W	No	S2	H8	E201415870	2/12/2015	IA-01	587007.6	729996.9	120.88	Steel	6	Open Hole	50	40	-	50
MW-391A	2W	Yes	S1	I7	E201415871	2/9/2015	IA-01	586827.8	729870.9	119.61	Steel	6	Open Hole	26	16	-	26
MW-391C	3W	No	S3	I7	E201415873	1/26/2015	IA-01	586821.0	729860.3	119.62	PVC	2	PVC Screen	120	110	-	120
MW-391-S3	3W	No	S3	I7	E201415872	2/5/2015	IA-01	586824.5	729865.6	119.45	Steel	6	Open Hole	80	70	-	80
MW-392A	2W	Yes	S1	I8	E201415906	1/28/2015	IA-01	586931.0	729833.4	119.59	Steel	6	Open Hole	30	20	-	30
MW-39-2A	3W	Yes	S1	I10	E201117406	11/16/2011	IA-04	587474.7	729728.3	120.04	PVC	2	PVC Screen	21.5	11.5	-	21.5
MW-392B	3W	No	S2	I8	E201415905	2/3/2015	IA-01	586920.4	729819.5	119.95	Steel	6	Open Hole	70	60	-	70
MW-392C	4W	No	S3	I8	E201415904	1/30/2015	IA-01	586917.3	729814.6	119.94	PVC	2	PVC Screen	120	110	-	120
MW-393A	2W	Yes	S1	I8	E201415865	1/7/2015	IA-01	587013.2	729783.4	120.31	Steel	6	Open Hole	35	25	-	35
MW-393B	3W	No	S2	I8	E201415863	1/9/2015	IA-01	587013.3	729775.9	120.55	Steel	6	Open Hole	50	40	-	50
MW-393C	4W	No	S3	I8	E201415859	1/23/2015	IA-01	587007.2	729780.3	120.66	PVC	2	PVC Screen	120	110	-	120
MW-394B	2W	No	S2	H8	E201415864	1/15/2015	IA-01	586880.1	730158.1	119.61	Steel	6	Open Hole	70	60	-	70
MW-394C	3W	No	S3	H8	E201415860	2/10/2015	IA-01	586878.1	730153.2	119.38	PVC	2	PVC Screen	103	93	-	103
MW-39A	3E	Yes	S1	L11	2600060828	4/11/2001	IA-03	587991.3	728901.8	118.81	PVC	2	PVC Screen	18.5	13.5	-	18.5
MW-3C	5E	No	S3	L13	E201403601	4/29/2014	IA-12	588571.0	728967.4	159.06	PVC	2	PVC Screen	135	125	-	135
MW-404A	2E	Yes	S1	M9	E201416617	1/21/2015	IA-07	587359.8	728511.5	107.16	PVC	2	PVC Screen	30	15	-	30
MW-406B	2E	No	S2	M9	E201416593	12/30/2014	IA-07	587403.9	728526.8	107.70	PVC	2	PVC Screen	60	40	-	60
MW-408A	2E	Yes	S1	M9	E201416621	1/20/2015	IA-07	587417.9	728541.6	107.95	PVC	2	PVC Screen	30	15	-	30
MW-40A	3E	No	S2	L11	2600060829	4/11/2001	IA-03	587980.3	728897.1	118.45	PVC	2	PVC Screen	39	19	-	39
MW-41	3E	No	S2	L11	2600053364	4/30/1999	IA-03	587974.0	728897.4	118.35	PVC	2	PVC Screen	58.7	38.7	-	58.7
MW-410A	2E	Yes	S1	M9	E201416623	1/6/2015	IA-07	587436.4	728513.3	108.18	PVC	2	PVC Screen	30	15	-	30
MW-413BR	3E	No	S2	N9	E201701693	2/24/2017	IA-11	587209.5	728229.8	101.67	PVC	4	PVC Screen	25	20	-	25
MW-414B	3E	No	S2	N9	E201501506	3/6/2015	IA-11	587269.9	728236.0	103.56	PVC	6	PVC Screen	29.94	19.94	-	29.94
MW-415B	3E	No	S2	N9	E201501508	3/4/2015	IA-11	587177.3	728190.2	100.82	PVC	6	PVC Screen	30	15	-	30
MW-416A	2W	Yes	S1	I7	E201501198	3/13/2015	IA-01	586759.1	729639.6	118.65	Steel	6	Open Hole	38	19	-	38
MW-416B	2W	No	S2	I7	E201501197	3/18/2015	IA-01	586752.3	729637.8	118.58	Steel	6	Open Hole	55	45	-	55
MW-416C	3W	No	S3	I7	E201501192	3/19/2015	IA-01	586759.2	729633.1	118.53	PVC	2	PVC Screen	115	105	-	115
MW-417A	3E	Yes	S1	N10	E201501842	3/18/2015	IA-07	587743.0	728199.9	128.36	PVC	2	PVC Screen	38	28	-	38
MW-417B	4E	No	S2	N10	E201501841	3/17/2015	IA-07	587738.8	728190.7	128.06	PVC	2	PVC Screen	80	70	-	80
MW-417C	5E	No	S3	N10	E201501840	3/15/2015	IA-07	587747.8	728186.7	128.31	PVC	2	PVC Screen	125	115	-	125
MW-425-S2	3E	No	S2	N9	E201503879	5/1/2015	IA-11	587221.0	728221.6	101.92	PVC	4	PVC Screen	34.79	29.79	-	34.79
MW-426A	2W	Yes	S1	H9	E201502711	4/1/2015	IA-04	587196.5	729952.7	121.63	Steel	6	Open Hole	33	18	-	33
MW-426B	3W	No	S2	H9	E201502714	4/1/2015	IA-04	587207.1	729945.4	121.77	Steel	6	Open Hole	60	50	-	60
MW-427A	3W	Yes	S1	H9	E201502712	3/30/2015	IA-04	587226.5	729900.6	122.04	Steel	6	Open Hole	33.1	18.1	-	33.1

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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)	-	-	-
								East (X)	North (Y)										
MW-427B	3W	No	S2	H9	E201502715	3/31/2015	IA-04	587233.3	729896.2	122.08	Steel	6	Open Hole	60.15	50.15	-	60.15		
MW-428A	2W	Yes	S1	I9	E201502713	3/31/2015	IA-04	587179.4	729871.1	121.82	Steel	6	Open Hole	33	18	-	33		
MW-428B	3W	No	S2	I9	E201502716	3/31/2015	IA-04	587181.1	729867.1	121.66	Steel	6	Open Hole	60	50	-	60		
MW-428C	4W	No	S3	I9	E201502717	3/30/2015	IA-04	587171.6	729871.0	121.75	PVC	2	PVC Screen	115	105	-	115		
MW-429C	5E	No	S3	P9	E201503452	4/16/2015	IA-13	587410.7	727703.3	102.91	PVC	2	PVC Screen	70	60	-	70		
MW-43	1W	Yes	S1	J6	2600054720	8/18/1999	IA-10	586287.5	729302.7	123.77	PVC	2	PVC Screen	24.5	14.5	-	24.5		
MW-430B	3E	No	S2	N9	E201503876	5/5/2015	IA-11	587231.7	728317.0	103.63	PVC	4	PVC Screen	32	17	-	32		
MW-431B	3E	No	S2	N8	E201503877	5/5/2015	IA-11	587163.8	728253.0	101.48	PVC	4	PVC Screen	30	15	-	30		
MW-432B	3E	No	S2	N9	E201503878	5/4/2015	IA-11	587185.8	728311.1	102.71	PVC	4	PVC Screen	31	16	-	31		
MW-433C	4E	No	S3	J12	E201503869	5/1/2015	IA-12	588136.3	729350.0	134.90	PVC	2	PVC Screen	120	110	-	120		
MW-434C	4E	No	S3	K12	E201503870	5/4/2015	IA-03	588129.9	729051.9	119.69	PVC	2	PVC Screen	115	105	-	115		
MW-435A	2W	Yes	S1	I11	E201507552	8/3/2015	IA-12	587852.2	729834.2	122.88	PVC	2	PVC Screen	25	15	-	25		
MW-435B	2W	No	S2	I11	E201507553	7/31/2015	IA-12	587852.1	729834.5	122.89	PVC	2	PVC Screen	50	40	-	50		
MW-436A	2E	Yes	S1	I11	E201509734	9/16/2015	IA-12	588027.3	729761.1	124.54	PVC	2	PVC Screen	30	20	-	30		
MW-436B	2E	No	S2	I11	E201509735	9/15/2015	IA-12	588027.6	729761.1	124.43	PVC	2	PVC Screen	50	40	-	50		
MW-437A	2W	Yes	S1	I11	E201509513	9/17/2015	IA-12	587830.1	729765.8	123.00	PVC	2	PVC Screen	30	20	-	30		
MW-437B	2W	No	S2	I11	E201509514	9/16/2015	IA-12	587830.0	729765.5	122.99	PVC	2	PVC Screen	50	40	-	50		
MW-438A	2W	Yes	S1	I10	E201506930	9/2/2015	IA-04	587727.5	729598.5	123.90	PVC	2	PVC Screen	25	15	-	25		
MW-438B	2W	No	S2	I10	E201506931	8/27/2015	IA-04	587727.2	729599.2	123.85	PVC	2	PVC Screen	50	40	-	50		
MW-439A	2W	Yes	S1	J10	E201506932	8/17/2015	IA-03	587767.8	729537.4	120.03	PVC	2	PVC Screen	25	15	-	25		
MW-439B	5W	No	S2	J10	E201506933	8/14/2015	IA-03	587767.6	729537.0	119.85	PVC	2	PVC Screen	50	40	-	50		
MW-44	1W	Yes	S1	J5	2600054721	8/11/1999	IA-10	586150.6	729476.5	126.99	PVC	2	PVC Screen	19.13	9.13	-	19.13		
MW-440A	2W	Yes	S1	J10	E201506929	9/14/2015	IA-04	587696.3	729555.4	121.38	PVC	2	PVC Screen	25	15	-	25		
MW-441A	2E	Yes	S1	I11	E201505053	5/20/2015	IA-12	587998.8	729732.7	124.27	PVC	2	PVC Screen	25	10	-	25		
MW-441B	2E	No	S2	I11	E201504854	5/19/2015	IA-12	587996.4	729724.2	124.16	PVC	2	PVC Screen	50	30	-	50		
MW-442A	2E	Yes	S1	I11	E201505054	5/22/2015	IA-12	587961.8	729677.1	123.92	PVC	2	PVC Screen	25	10	-	25		
MW-442B	2E	No	S2	I11	E201504855	5/20/2015	IA-12	587961.8	729672.1	123.92	PVC	2	PVC Screen	50	30	-	50		
MW-443A	OVb	Yes	S1	I11	E201505055	8/26/2015	IA-12	588020.1	729682.0	125.39	PVC	2	PVC Screen	25	10	-	25		
MW-443B	2E	No	S2	I11	E201504856	8/25/2015	IA-12	588020.4	729676.6	125.39	PVC	2	PVC Screen	50	30	-	50		
MW-444A	2E	Yes	S1	I11	E201505056	8/24/2015	IA-12	587968.6	729618.6	124.25	PVC	2	PVC Screen	25	10	-	25		
MW-444B	2E	No	S2	I11	E201504857	8/19/2015	IA-12	587968.8	729613.7	124.36	PVC	2	PVC Screen	50	30	-	50		
MW-445A	2E	Yes	S1	I11	E201505057	5/21/2015	IA-12	587911.1	729616.4	123.24	PVC	2	PVC Screen	25	10	-	25		
MW-445B	2E	No	S2	I11	E201504858	5/22/2015	IA-12	587911.3	729611.1	123.27	PVC	2	PVC Screen	50	30	-	50		
MW-446A	1W	Yes	S1	J6	E201505760	6/2/2015	IA-10	586419.5	729517.6	114.21	PVC	2	PVC Screen	20	10	-	20		
MW-448B	3E	No	S3	N9	E201510264	9/21/2015	IA-11	587230.8	728373.2	103.91	PVC	4	PVC Screen	55	35	-	55		
MW-449C	4E	No	S3	N9	E201507925	8/11/2015	IA-11	587336.3	728311.4	106.02	PVC	4	PVC Screen	65	45	-	65		
MW-44B	1W	No	S2	J5	E201304514	4/16/2013	IA-10	586157.3	729459.4	126.17	PVC	2	PVC Screen	45.08	35.08	-	45.08		
MW-44C	2W	No	S3	J5	E201302491	4/9/2013	IA-10	586139.7	729460.3	128.26	PVC	2	PVC Screen	81.27	61.27	-	81.27		
MW-450B	4E	No	S2	O9	E201510265	9/23/2015	IA-11	587286.8	727919.0	102.49	PVC	4	PVC Screen	50	30	-	50		
MW-451B	4E	No	S2	O9	E201513157	9/29/2015	IA-11	587394.6	727920.9	111.15	PVC	4	PVC Screen	60	40	-	60		
MW-452C	4E	No	S3	O10	E201509736	10/30/2015	IA-11	587542.2	728042.2	115.94	PVC	4	PVC Screen	70	50	-	70		
MW-453C1	4E	No	S3	O9	E201509738	10/1/2015	IA-11	587440.4	727990.0	109.34	PVC	2	PVC Screen	80	60	-	80		
MW-453C2	5E	No	S3	O9	E201509739	9/29/2015	IA-11	587440.6	727990.1	109.35	PVC	2	PVC Screen	110	90	-	110		



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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-455C	5E	No	S3	O9	E201513158	10/1/2015	IA-11	587404.8	727945.3	113.05	PVC	4	PVC Screen	115	95	-	115		
MW-456C1	4E	No	S3	N9	E201510266	9/30/2015	IA-11	587422.2	728237.8	111.41	PVC	2	PVC Screen	85	65	-	85		
MW-456C2	4E	No	S3	N9	E201510267	9/29/2015	IA-11	587422.0	728237.7	111.47	PVC	2	PVC Screen	110	85	-	110		
MW-457C1	4E	No	S3	N9	E201509602	10/5/2015	IA-11	587377.3	728099.3	106.74	PVC	2	PVC Screen	80	60	-	80		
MW-457C2	5E	No	S3	N9	E201509603	9/30/2015	IA-11	587377.7	728099.4	106.71	PVC	2	PVC Screen	104	89	-	104		
MW-458C1	4E	No	S3	N9	E201510268	9/23/2015	IA-11	587308.7	728222.6	104.46	PVC	2	PVC Screen	70	50	-	70		
MW-458C2	4E	No	S3	N9	E201510269	9/22/2015	IA-11	587308.5	728222.4	104.39	PVC	2	PVC Screen	100	80	-	100		
MW-459C	5E	No	S3	N10	E201509599	10/2/2015	IA-11	587610.7	728143.6	119.19	PVC	4	PVC Screen	115	95	-	115		
MW-46	4E	Yes	S1	O11	2600060830	4/12/2001	IA-07	587931.0	727976.0	144.55	Steel	6	Open Hole	62	38	-	62		
MW-460C	5E	No	S3	P10	E201511667	10/28/2015	IA-13	587599.9	727773.6	109.11	PVC	4	PVC Screen	110	90	-	110		
MW-461C	5E	No	S3	P10	E201511398	9/25/2015	IA-13	587478.4	727738.9	107.68	PVC	4	PVC Screen	110	90	-	110		
MW-462C1	5E	No	S3	Q10	E201508112	7/24/2015	IA-15	587586.6	727247.5	95.94	PVC	2	PVC Screen	60	40	-	60		
MW-462C2	5E	No	S3	Q10	E201508113	7/23/2015	IA-15	587586.6	727247.7	95.96	PVC	2	PVC Screen	90	70	-	90		
MW-463C	5E	No	S3	N10	E201600360	1/22/2016	IA-07	587750.0	728202.8	128.46	PVC	4	PVC Screen	110	90	-	110		
MW-464C1	4E	No	S3	N10	E201510270	9/25/2015	IA-07	587595.4	728278.0	116.85	PVC	2	PVC Screen	85	65	-	85		
MW-464C2	5E	No	S3	N10	E201510271	9/24/2015	IA-07	587595.5	728278.3	116.98	PVC	2	PVC Screen	115	95	-	115		
MW-465C1	4E	No	S3	N9	E201510272	9/28/2015	IA-07	587463.3	728371.2	109.61	PVC	2	PVC Screen	80	60	-	80		
MW-465C2	4E	No	S3	N9	E201510273	9/25/2015	IA-07	587463.6	728371.3	109.58	PVC	2	PVC Screen	110	90	-	110		
MW-466A	OVB	Yes	S1	J9	E201507718	7/16/2015	IA-09	587328.6	729428.0	118.57	PVC	2	PVC Screen	17	7	-	17		
MW-467A	OVB	Yes	S1	J9	E201507719	7/14/2015	IA-09	587410.6	729406.5	119.27	PVC	2	PVC Screen	17	7	-	17		
MW-468A	OVB	Yes	S1	J9	E201507720	7/14/2015	IA-09	587445.0	729363.9	118.43	PVC	2	PVC Screen	17	7	-	17		
MW-469A	OVB	Yes	S1	J9	E201507721	7/13/2015	IA-09	587411.6	729344.4	118.23	PVC	2	PVC Screen	17	7	-	17		
MW-47	OVB	Yes	S2	R12	2600054724	8/5/1999	IA-14	588291.2	726978.0	77.02	PVC	2	PVC Screen	19.5	9.5	-	19.5		
MW-470A	OVB	Yes	S1	J9	E201507722	7/13/2015	IA-09	587432.8	729303.4	118.22	PVC	2	PVC Screen	17	7	-	17		
MW-471A	OVB	Yes	S1	K9	E201507723	7/16/2015	IA-09	587435.1	729257.2	117.57	PVC	2	PVC Screen	17	7	-	17		
MW-472A	1W	Yes	S1	J6	E201505990	7/15/2015	IA-10	586406.1	729497.1	114.56	PVC	2	PVC Screen	20	10	-	20		
MW-472S	OVB	Yes	S1	J6	E201509017	8/7/2015	IA-10	586405.3	729502.4	114.61	PVC	2	PVC Screen	10	3	-	10		
MW-473A	1W	Yes	S1	J6	E201508353	7/30/2015	Offsite	586391.2	729541.3	113.47	PVC	2	PVC Screen	20	10	-	20		
MW-474A	1W	Yes	S1	J6	E201508354	7/30/2015	Offsite	586374.2	729517.1	114.00	PVC	2	PVC Screen	20	10	-	20		
MW-474B	2W	No	S2	J6	E201615024	1/4/2017	Offsite	586375.1	729513.6	113.95	PVC	2	PVC Screen	40	30	-	40		
MW-475A	1W	Yes	S1	J6	E201508355	7/30/2015	Offsite	586334.2	729454.3	116.40	PVC	2	PVC Screen	20	10	-	20		
MW-476A	1W	Yes	S1	J6	E201509018	8/6/2015	IA-10	586440.7	729480.2	113.35	PVC	2	PVC Screen	20	5	-	20		
MW-477A	2W	Yes	S1	J6	E201509019	8/5/2015	IA-10	586446.5	729401.2	113.08	PVC	2	PVC Screen	20	5	-	20		
MW-478B	4E	No	S2	O8	E201510508	9/10/2015	Offsite	587132.2	727910.8	97.65	PVC	4	PVC Screen	55	35	-	55		
MW-478C	4E	No	S3	O8	E201510509	9/9/2015	Offsite	587136.3	727902.2	97.85	PVC	4	PVC Screen	90	70	-	90		
MW-479A	1W	Yes	S1	J6	E201706151	6/5/2017	IA-10	586376.8	729393.4	115.73	PVC	2	PVC Screen	20	10	-	20		
MW-479B	2W	No	S2	J6	E201510870	9/16/2015	IA-10	586382.7	729393.4	115.48	PVC	2	PVC Screen	40	30	-	40		
MW-479C	3W	No	S3	J6	E201509104	9/1/2015	IA-10	586373.9	729399.1	115.63	PVC	2	PVC Screen	110	100	-	110		
MW-479S	OVB	Yes	S1	J6	E201706148	6/6/2017	IA-10	586380.1	729399.1	115.61	PVC	2	PVC Screen	10	3	-	10		
MW-48	OVB	Yes	S2	S12	2600054725	8/4/1999	IA-14	588197.8	726726.1	68.59	PVC	2	PVC Screen	18	8	-	18		
MW-480A	1W	Yes	S1	J6	E201510871	1/13/2016	IA-10	586284.1	729454.2	119.78	PVC	2	PVC Screen	22	10	-	22		
MW-481B	2W	No	S2	J6	E201513391	10/22/2015	IA-10	586315.5	729337.0	118.30	PVC	2	PVC Screen	60	50	-	60		
MW-481C	2W	No	S3	J6	E201513392	10/23/2015	IA-10	586307.5	729343.1	118.70	PVC	2	PVC Screen	100	80	-	100		

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-482B	2W	No	S2	K6	E201511554	12/23/2015	IA-10	586412.8	729250.4	112.92	PVC	2	PVC Screen	50	40	-	50
MW-482C	2W	No	S3	K6	E201511551	10/29/2015	IA-10	586410.3	729257.2	113.28	PVC	2	PVC Screen	90	70	-	90
MW-483B	2W	No	S2	K6	E201511555	12/29/2015	IA-10	586416.8	729110.0	112.48	PVC	2	PVC Screen	60	50	-	60
MW-483C	2W	No	S3	K6	E201511552	10/29/2015	IA-10	586425.3	729108.4	112.19	PVC	2	PVC Screen	80	60	-	80
MW-484A	OVB	Yes	S1	N9	E201604762	5/12/2016	IA-11	587217.1	728278.3	102.95	PVC	4	PVC Screen	15	5	-	15
MW-484B	3E	No	S2	N9	E201604766	5/10/2016	IA-11	587214.5	728275.5	102.91	PVC	4	PVC Screen	25	20	-	25
MW-485A	1W	Yes	S1	J6	E201511647	10/9/2015	Offsite	586360.3	729525.8	113.74	PVC	2	PVC Screen	20	10	-	20
MW-486A	1W	Yes	S1	J6	E201511648	10/12/2015	Offsite	586381.2	729526.2	113.70	PVC	2	PVC Screen	20	10	-	20
MW-487A	1W	Yes	S1	J6	E201511649	10/12/2015	Offsite	586363.2	729499.4	114.35	PVC	2	PVC Screen	20	10	-	20
MW-487B	2W	No	S2	J6	E201615025	1/4/2017	Offsite	586364.9	729490.7	114.54	PVC	2	PVC Screen	40	30	-	40
MW-487S	1W	Yes	S1	J6	E201513662	12/22/2015	Offsite	586364.1	729494.9	114.36	PVC	2	PVC Screen	10	3	-	10
MW-488A	1W	Yes	S1	J6	E201511650	10/13/2015	Offsite	586353.2	729484.5	114.88	PVC	2	PVC Screen	20	10	-	20
MW-488B	2W	No	S2	J6	E201615026	1/5/2017	Offsite	586355.5	729481.9	114.99	PVC	2	PVC Screen	40	30	-	40
MW-489A	1W	Yes	S1	J6	E201511651	10/13/2015	Offsite	586342.9	729469.9	115.55	PVC	2	PVC Screen	20	10	-	20
MW-48B	5E	No	S3	S12	E201304958	4/30/2013	IA-14	588197.8	726748.8	68.52	PVC	2	PVC Screen	45	35	-	45
MW-48C	5E	No	D1	S12	E201304959	4/29/2013	IA-14	588180.9	726738.2	68.15	PVC	2	PVC Screen	80	60	-	80
MW-49	5E	Yes	S2	S12	2600054726	8/3/1999	IA-14	588079.4	726815.0	70.42	PVC	2	PVC Screen	18.99	8.99	-	18.99
MW-490A	3W	Yes	S1	I9	E201512235	10/20/2015	IA-04	587410.2	729857.5	121.47	Steel	6	Open Hole	30	20	-	30
MW-491A	2E	Yes	S1	K10	E201600955	12/16/2015	IA-07	587503.2	728997.1	114.26	PVC	2	PVC Screen	30.5	15.5	-	30.5
MW-492A	2E	Yes	S1	L10	E201514802	1/22/2016	IA-07	587560.4	728967.2	113.36	PVC	2	PVC Screen	30.5	15.5	-	30.5
MW-492B	3E	No	S2	L10	E201514803	1/19/2016	IA-07	587560.4	728966.8	113.29	PVC	2	PVC Screen	50.5	40.5	-	50.5
MW-493B	2E	No	S2	L9	E201514804	1/5/2016	IA-07	587398.8	728970.2	112.68	PVC	2	PVC Screen	50.5	40.5	-	50.5
MW-494A	2E	Yes	S1	L9	E201514805	12/28/2015	IA-07	587416.5	728902.7	113.82	PVC	2	PVC Screen	30.5	15.5	-	30.5
MW-495B	3E	No	S2	L9	E201514806	12/31/2015	IA-07	587410.1	728813.7	112.66	PVC	2	PVC Screen	50.5	40.5	-	50.5
MW-496A	1W	Yes	S1	J6	E201513661	12/22/2015	Offsite	586387.0	729504.5	114.13	PVC	2	PVC Screen	20	10	-	20
MW-496S	1W	Yes	S1	J6	E201513663	12/22/2015	Offsite	586385.1	729500.9	114.22	PVC	2	PVC Screen	10	3	-	10
MW-497A	OVB	Yes	S1	N9	E201604763	5/9/2016	IA-11	587203.7	728257.1	102.32	PVC	2	PVC Screen	15	5	-	15
MW-497B	3E	No	S2	N9	E201604767	5/6/2016	IA-11	587205.4	728260.2	102.51	PVC	2	PVC Screen	25	20	-	25
MW-498A	OVB	Yes	S1	N9	E201604764	5/3/2016	IA-11	587183.9	728243.9	102.58	PVC	4	PVC Screen	15	5	-	15
MW-498B	3E	No	S2	N9	E201604768	5/6/2016	IA-11	587186.6	728243.3	102.58	PVC	4	PVC Screen	24.4	19.4	-	24.4
MW-499A	OVB	Yes	S1	N9	E201604765	5/3/2016	IA-11	587192.4	728221.1	101.54	PVC	4	PVC Screen	14.86	4.86	-	14.86
MW-499B	3E	No	S2	N9	E201604769	5/12/2016	IA-11	587192.8	728218.2	101.46	PVC	4	PVC Screen	25	20	-	25
MW-500A	2W	Yes	S1	H8	E201608319	7/14/2016	IA-01	586954.6	729922.5	120.41	PVC	2	PVC Screen	12	2	-	12
MW-501B	1W	No	S2	J6	E201615023	1/5/2017	IA-10	586316.5	729518.8	117.27	PVC	2	PVC Screen	40	30	-	40
MW-502A	2E	Yes	S1	L9	E201701477	2/16/2017	IA-09	587320.3	728952.9	110.70	PVC	2	PVC Screen	30.5	15.5	-	30.5
MW-502B	2E	No	S2	L9	E201701478	2/16/2017	IA-09	587320.6	728952.5	110.61	PVC	2	PVC Screen	50.5	40.5	-	50.5
MW-503C	3E	No	S3	L9	E201701479	2/14/2017	IA-07	587381.7	728801.6	110.68	PVC	2	PVC Screen	80.5	60.5	-	80.5
MW-504B	3W	No	S2	K7	E201903471	04/09/19	IA-06	586844.5	729231.3	111.68	PVC	2	PVC Screen	42	32	-	42
MW-505A	2W	Yes	S1	J7	E201903476	4/3/2019	IA-06	586840.8	729313.5	112.12	PVC	2	PVC Screen	14	3	-	14
MW-506B	3W	No	S2	J7	E201903472	4/3/2019	IA-06	586837.6	729308.0	112.28	PVC	2	PVC Screen	43.5	33.5	-	43.5
MW-507C	3W	No	S3	J7	E201903473	4/3/2019	IA-06	586834.3	729302.7	112.34	PVC	2	PVC Screen	78.5	58.5	-	78.5
MW-508A	2W	Yes	S1	K7	E201903474	4/9/2019	IA-06	586817.6	729189.7	112.42	PVC	2	PVC Screen	16	6	-	16
MW-508B	3W	No	S2	K7	E201903475	4/5/2019	IA-06	586813.9	729183.5	112.33	PVC	2	PVC Screen	58	38	-	58

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-55	4E	No	S2	O9	2600064217	5/29/2002	IA-11	587314.4	727849.2	104.16	Steel	6	Open Hole	26	11	-	26
MW-55B	4E	No	S2	O9	E201410815	7/17/2014	IA-11	587305.7	727846.9	103.53	PVC	6	PVC Screen	55	35	-	55
MW-55C	5E	No	S3	O9	E201410816	7/16/2014	IA-11	587308.8	727842.0	103.85	Steel	6	Open Hole	90	65	-	90
MW-57	4E	Yes	S1	P9	2600064219	5/23/2002	IA-15	587368.0	727596.3	98.16	Steel	6	Open Hole	17.5	7.5	-	17.5
MW-58	1W	Yes	S1	F8	2600068227	6/25/2003	IA-12	586874.8	730500.4	137.12	PVC	2	PVC Screen	36	21	-	36
MW-59	3W	Yes	S1	H9	2600068226	6/24/2003	IA-12	587450.2	730138.4	127.40	Steel	6	Open Hole	25.5	10.5	-	25.5
MW-60A	2E	Yes	S1	I12	E201218100	12/5/2012	IA-12	588080.1	729750.3	125.77	PVC	2	PVC Screen	30	15	-	30
MW-60A-S2	3E	No	S2	I12	E201403230	3/20/2014	IA-12	588091.2	729743.8	126.18	PVC	2	PVC Screen	70	60	-	70
MW-60A-S3	3E	No	S3	I12	E201403231	3/25/2014	IA-12	588101.0	729737.3	126.41	PVC	2	PVC Screen	100	90	-	100
MW-60B	2E	Yes	S1	J12	E201218101	12/6/2012	IA-12	588168.3	729553.9	132.06	PVC	2	PVC Screen	30	15	-	30
MW-60C	2W	Yes	S1	H11	E201218102	12/10/2012	IA-12	587807.8	729921.0	121.59	PVC	2	PVC Screen	25	10	-	25
MW-60F	2E	Yes	S1	I11	E201218544	12/11/2012	IA-12	588004.5	729806.0	123.98	PVC	2	PVC Screen	25	10	-	25
MW-60G	OVB	Yes	S1	I11	E201302320	3/4/2013	IA-12	587901.0	729870.8	122.45	PVC	2	PVC Screen	25	10	-	25
MW-60G-S3	5W	No	S3	I11	E201507554	9/17/2015	IA-12	587898.5	729865.2	122.40	PVC	2	PVC Screen	75	55	-	75
MW-60H	OVB	Yes	S1	H11	E201302317	3/5/2013	Offsite	587916.7	729886.9	122.69	PVC	2	PVC Screen	25	10	-	25
MW-60I	OVB	Yes	S1	I11	E201302318	3/12/2013	Offsite	587979.6	729844.9	123.28	PVC	2	PVC Screen	25	10	-	25
MW-60J	OVB	Yes	S1	I11	E201302319	3/15/2013	Offsite	588017.4	729822.2	124.31	PVC	2	PVC Screen	23.75	8.8	-	23.8
MW-60K	4W	Yes	S1	H11	E201302315	3/21/2013	Offsite	587819.2	729949.2	122.02	PVC	2	PVC Screen	20	10	-	20
MW-60L	2W	Yes	S1	H11	E201302316	3/8/2013	Offsite	587864.6	729915.2	121.81	PVC	2	PVC Screen	25	10	-	25
MW-60M	2E	Yes	S1	I11	E201316435	11/18/2013	IA-12	587912.2	729820.5	123.54	PVC	2	PVC Screen	25	10	-	25
MW-60N	OVB	Yes	S1	I11	E201316492	11/18/2013	IA-12	587931.4	729852.0	123.15	PVC	2	PVC Screen	25	10	-	25
MW-60R	OVB	Yes	S1	I11	E201415563	11/24/2014	IA-12	587966.1	729831.1	123.13	Stainless	2	Stainless Screen	22	7	-	22
MW-60-Z2R	2W	No	S2	I11	E201415543	12/1/2014	IA-12	587955.0	729830.4	122.89	Stainless	2	Stainless Screen	50	30	-	50
MW-61	3E	Yes	S1	J14	2600068293	7/8/2003	IA-12	588766.0	729324.1	157.94	Steel	6	Open Hole	41	26	-	41
MW-61B	4E	No	S2	J14	E201403602	4/25/2014	IA-12	588773.2	729310.3	158.65	PVC	2	PVC Screen	95	85	-	95
MW-61C	5E	No	S3	J14	E201403603	4/24/2014	IA-12	588763.6	729312.7	158.08	PVC	2	PVC Screen	150	140	-	150
MW-62	3E	Yes	S1	N9	2600074451	4/26/2005	IA-11	587205.1	728213.9	101.53	PVC	4	PVC Screen	20.9	15.9	-	20.9
MW-63	3E	No	S2	N9	2600074505	4/27/2005	IA-11	587207.6	728209.1	101.62	PVC	2	PVC Screen	41.47	31.47	-	41.47
MW-64	OVB	Yes	S1	N9	2600074452	5/12/2005	IA-11	587227.7	728169.8	101.87	PVC	4	PVC Screen	13.01	8.01	-	13.01
MW-66	OVB	Yes	S1	N9	2600074454	5/11/2005	IA-11	587181.8	728160.7	100.52	PVC	2	PVC Screen	12	7	-	12
MW-67	OVB	Yes	S1	O9	2600074455	5/10/2005	IA-11	587218.4	728015.0	102.01	PVC	2	PVC Screen	14	9	-	14
MW-68	OVB	Yes	S1	N8	2600074456	4/7/2005	IA-11	587132.7	728183.8	100.05	PVC	4	PVC Screen	13	11	-	13
MW-71	3E	No	S2	N8	2600074506	4/13/2005	IA-11	587130.2	728187.1	99.89	Steel	6	Open Hole	34	24	-	34
MW-71C	4E	No	S3	N8	E201407242	6/17/2014	IA-11	587130.4	728192.8	100.17	PVC	6	PVC Screen	60	40	-	60
MW-72	OVB	Yes	S1	N8	2600074458	4/12/2005	IA-11	587159.5	728117.6	102.62	PVC	4	PVC Screen	20	15	-	20
MW-73	3E	No	S2	O9	2600074459	5/17/2005	IA-11	587244.3	727970.1	101.16	PVC	4	PVC Screen	22	12	-	22
MW-74	3E	No	S2	N8	2600074507	4/20/2005	IA-11	587157.7	728122.5	102.68	Steel	6	Open Hole	40	30	-	40
MW-74C	4E	No	S3	N8	E201407155	7/16/2014	IA-11	587168.0	728124.9	100.00	PVC	6	PVC Screen	60	40	-	60
MW-75	3E	No	S2	O9	2600074508	5/4/2005	IA-11	587202.9	728040.1	100.98	Steel	6	Open Hole	36	26	-	36
MW-75C	4E	No	S3	O9	E201410817	7/17/2014	IA-11	587211.2	728005.6	101.18	PVC	6	PVC Screen	67	37	-	67
MW-7A	OVB	Yes	S1	M8	2600043991	3/19/1996	IA-09	587031.3	728496.4	104.32	PVC	2	PVC Screen	15.5	5.5	-	15.5
MW-7B	OVB	Yes	S1	M8	2600051884	9/30/1998	IA-09	586916.3	728620.2	109.42	PVC	2	PVC Screen	15	5	-	15
MW-7C	4W	No	S2	M8	2600051885	9/30/1998	IA-09	586922.5	728617.4	109.32	PVC	2	PVC Screen	30	15	-	30

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-80A	2E	Yes	S1	I11	E201316486	11/15/2013	IA-12	587876.8	729770.0	122.90	PVC	2	PVC Screen	25	10	-	25
MW-80BR	2E	Yes	S1	I11	E201415542	12/4/2014	IA-12	587917.7	729741.8	122.63	Stainless	2	Stainless Screen	25	10	-	25
MW-80C	2E	Yes	S1	I11	E201316488	11/18/2013	IA-12	587877.2	729693.3	122.23	PVC	2	PVC Screen	25	10	-	25
MW-80-Z2R	2W	No	S2	I11	E201415544	12/2/2014	IA-12	587898.8	729769.2	122.78	Stainless	2	Stainless Screen	50	30	-	50
MW-8A	3E	Yes	S1	N10	2600029852	6/24/1992	IA-11	587630.3	728136.2	121.47	Steel	6	Open Hole	33	14.5	-	33.0
MW-8B	4E	No	S2	N10	E201504144	5/15/2015	IA-11	587623.4	728132.7	120.78	PVC	2	PVC Screen	55	45	-	55
MW-8C	4E	No	S3	N10	E201304822	4/17/2013	IA-11	587616.1	728129.0	120.30	PVC	2	PVC Screen	80	60	-	80
MW-94	OVB	Yes	S1	L7	2600080661	10/10/2006	IA-06	586800.8	728812.7	109.69	PVC	2	PVC Screen	17	7	-	17
MW-99	4E	Yes	S1	O9	P200804383	12/15/2008	IA-11	587331.6	727790.9	103.68	PVC	2	PVC Screen	20	11.5	-	20.0
MW-99B	4E	No	S2	O9	E201412448	9/23/2014	IA-11	587326.4	727805.4	104.04	PVC	2	PVC Screen	45	35	-	45
MW-99C	5E	No	S3	O9	E201412449	10/7/2014	IA-11	587334.5	727803.3	104.32	PVC	2	PVC Screen	80	70	-	80
MW-9A	3E	Yes	S1	M10	E201000872	7/20/2010	IA-07	587701.2	728544.2	117.95	Steel	6	Open Hole	30	19.5	-	30.0
PW-37 Port 1	4E	No	S2	M12	2600077911-1	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	69.7	58.7	-	69.7
PW-37 Port 10	5E	No	D2	M12	2600077911-10	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	342.7	327.7	-	342.7
PW-37 Port 11	5E	No	D2	M12	2600077911-11	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	367.7	347.7	-	367.7
PW-37 Port 2	4E	No	S2	M12	2600077911-2	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	88.7	78.7	-	88.7
PW-37 Port 3	4E	No	S3	M12	2600077911-3	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	100.7	90.7	-	100.7
PW-37 Port 4	5E	No	S3	M12	2600077911-4	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	124.7	113.7	-	124.7
PW-37 Port 5	5E	No	D1	M12	2600077911-5	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	147.7	136.7	-	147.7
PW-37 Port 6	5E	No	D1	M12	2600077911-6	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	205.7	195.7	-	205.7
PW-37 Port 7	5E	No	D1	M12	2600077911-7	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	218.7	208.7	-	218.7
PW-37 Port 8	5E	No	D2	M12	2600077911-8	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	256.7	245.7	-	256.7
PW-37 Port 9	5E	No	D2	M12	2600077911-9	6/6/2008	IA-07	588316.2	728676.4	146.43	N/A	N/A	Liner Port	297.7	277.7	-	297.7
PZ-04	OVB	Yes	S1	I11	2600053356	5/27/1999	IA-03	587776.9	729626.4	111.30	PVC	1	PVC Screen	10.5	0.5	-	10.5
PZ-05	OVB	Yes	S1	M9	2600053319	5/27/1999	IA-07	587178.9	728584.5	108.79	PVC	1	PVC Screen	16	6	-	16

Notes:

Shaded well designations indicate newly-installed wells

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

ND = Not determined

\*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.

OVB = Overburden

-- = Not depicted in Figure 2

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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	ND	ND	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	ND	ND	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	ND	ND	S2		E201410819	08/21/14	IA-12	587828.1	729684.7	123.52	Stainless	6	Stainless Screen	51.5	3.5 - 50.5
ART-17	IWAS	ND	ND	S2		E201507645	07/23/15	IA-12	587875.5	729882.7	122.11	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-18	IWAS	ND	ND	S2		E201509196	08/18/15	IA-12	587911.9	729860.0	122.21	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-19	IWAS	ND	ND	S3		E201509198	09/01/15	IA-12	587943.2	729848.6	123.25	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-20	IWAS	ND	ND	S2		E201507647	07/27/15	IA-12	587841.7	729817.7	122.77	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-21	IWAS	ND	ND	S2		E201509195	08/21/15	IA-12	587883.2	729829.8	123.03	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-22	IWAS	ND	ND	S2		E201511377	10/08/15	IA-12	587929.5	729807.3	123.30	Stainless	6	Stainless Screen	61.0	5 - 35
		ND	ND													40 - 60
ART-23	IWAS	ND	ND	S2		E201509741	09/17/15	IA-12	587997.8	729812.0	123.77	Stainless	6	Stainless Screen	61.0	5 - 35
		ND	ND													40 - 60
ART-26	IWAS	ND	ND	S2		E201509530	09/03/15	IA-12	587864.8	729779.9	122.66	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-27	IWAS	ND	ND	S2		E201509718	09/17/15	IA-12	587837.7	729744.6	122.06	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-28	IWAS	ND	ND	S2		E201508761	08/13/15	IA-12	587916.8	729665.5	122.71	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-29	IWAS	ND	ND	S2		E201507727	09/25/15	IA-12	587788.5	729714.0	124.67	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-30	IWAS	ND	ND	S2		E201506889	07/21/15	IA-12	587884.6	729642.5	122.43	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-31	IWAS	ND	ND	S2		E201506934	08/26/15	IA-03	587754.0	729546.6	120.77	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-32	IWAS	ND	ND	S2		E201506936	09/18/15	IA-03	587799.7	729587.2	120.14	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-33	IWAS	ND	ND	S2		E201506935	09/02/15	IA-04	587717.0	729587.6	123.07	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-34	IWAS	ND	ND	S2		E201506937	07/14/15	IA-03	587754.0	729546.7	120.78	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-35	IWAS	ND	ND	S2		E201506938	08/12/15	IA-03	587711.9	729531.4	121.77	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-36	IWAS	ND	ND	S2		E201509742	09/10/15	IA-12	588027.3	729778.0	124.51	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-37	IWAS	ND	ND	S2		E201508759	08/20/15	IA-12	588020.8	729729.8	124.51	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-38	IWAS	ND	ND	S2		E201508762	08/21/15	IA-12	587996.2	729679.8	124.68	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-39	IWAS	ND	ND	S2		E201506903	07/16/15	IA-12	587967.5	729642.9	123.96	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60
ART-40	IWAS	ND	ND	S2		E201506905	07/14/15	IA-12	587942.3	729611.1	123.77	Stainless	6	Stainless Screen	61.0	15 - 35
		ND	ND													40 - 60

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-41	IWAS	ND	ND	S3		E201506127	07/13/15	IA-01	587154.0	730079.5	120.67	Stainless	6	Stainless Screen	91.0	30 - 50
		ND	ND													70 - 90
ART-42	IWAS	ND	ND	S3		E201506128	07/13/15	IA-04	587211.3	730045.9	120.86	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-43	IWAS	ND	ND	S3		E201508406	09/14/15	IA-01	587121.4	730057.2	121.28	Stainless	6	Stainless Screen	91.0	30 - 50
		ND	ND													70 - 90
ART-44	IWAS	ND	ND	S3		E201506762	07/21/15	IA-04	587220.9	730002.7	121.43	Stainless	6	Stainless Screen	91.0	20 - 50
		ND	ND													60 - 90
ART-45	IWAS	ND	ND	S2		E201508898	09/11/15	IA-01	587083.5	730044.0	120.81	Stainless	6	Stainless Screen	71.0	15 - 40
		ND	ND													50 - 70
ART-46	IWAS	ND	ND	S2		E201508899	09/14/15	IA-01	587141.9	730006.3	121.17	Stainless	6	Stainless Screen	71.0	15 - 40
		ND	ND													50 - 70
ART-47	IWAS	ND	ND	S2		E201506760	07/23/15	IA-04	587201.7	729968.5	121.46	Stainless	6	Stainless Screen	71.0	15 - 35
		ND	ND													45 - 70
ART-48	IWAS	ND	ND	S2		E201508900	09/11/15	IA-01	587080.2	729974.6	120.93	Stainless	6	Stainless Screen	71.0	15 - 30
		ND	ND													40 - 70
ART-49	IWAS	ND	ND	S2		E201508901	09/11/15	IA-04	587149.7	729953.9	120.95	Stainless	6	Stainless Screen	71.0	20 - 40
		ND	ND													50 - 70
ART-50	IWAS	ND	ND	S2		E201506761	07/28/15	IA-04	587208.9	729915.3	122.05	Stainless	6	Stainless Screen	71.0	20 - 35
		ND	ND													55 - 70
ART-51	IWAS	ND	ND	S2		E201509142	08/27/15	IA-01	587018.8	729942.3	120.53	Stainless	6	Stainless Screen	71.0	15 - 45
		ND	ND													50 - 70
ART-52	IWAS	ND	ND	S2		E201508902	09/14/15	IA-01	587076.7	729904.5	121.07	Stainless	6	Stainless Screen	71.0	20 - 40
		ND	ND													50 - 70
ART-53	IWAS	ND	ND	S2		E201507212	07/28/15	IA-04	587136.5	729866.3	120.89	Stainless	6	Stainless Screen	71.0	20 - 40
		ND	ND													50 - 70
ART-54	IWAS	ND	ND	S2		E201508650	08/05/15	IA-01	586910.1	729936.9	120.67	Stainless	6	Stainless Screen	71.0	10 - 30
		ND	ND													50 - 70
ART-55	IWAS	ND	ND	S2		E201508407	09/14/15	IA-01	586955.7	729911.0	120.34	Stainless	6	Stainless Screen	71.0	20 - 40
		ND	ND													50 - 70
ART-56	IWAS	ND	ND	S2		E201508408	08/25/15	IA-01	587012.3	729873.5	120.39	Stainless	6	Stainless Screen	71.0	20 - 40
		ND	ND													50 - 70
ART-57	IWAS	ND	ND	S2		E201508409	08/19/15	IA-01	587073.9	729834.1	120.58	Stainless	6	Stainless Screen	71.0	20 - 45
		ND	ND													50 - 70
ART-58	IWAS	ND	ND	S3		E201506012	07/07/15	IA-01	586844.4	729903.2	119.65	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-59	IWAS	ND	ND	S3		E201506013	06/19/15	IA-01	586888.2	729872.1	119.63	Stainless	6	Stainless Screen	91.0	20 - 40
		ND	ND													70 - 90
ART-60	IWAS	ND	ND	S3		E201506014	08/10/15	IA-01	586949.2	729829.1	120.17	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-61	IWAS	ND	ND	S3		E201506015	08/31/15	IA-01	587004.1	729791.0	120.54	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-62	IWAS	ND	ND	S3		E201506467	07/27/15	IA-04	587066.4	729752.3	120.58	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-63	IWAS	ND	ND	S3		E201506016	06/30/15	IA-01	586855.5	729821.6	120.40	Stainless	6	Stainless Screen	91.0	30 - 50
		ND	ND													70 - 90

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-64	IWAS	ND	ND	S3		E201506017	08/05/15	IA-01	586917.0	729781.2	120.42	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-65	IWAS	ND	ND	S3		E201508410	08/31/15	IA-01	586973.1	729744.6	120.95	Stainless	6	Stainless Screen	91.0	25 - 55
		ND	ND													70 - 90
ART-66	IWAS	ND	ND	S3		E201506468	08/03/15	IA-04	587032.3	729707.0	121.09	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-67	IWAS	ND	ND	S3		E201506018	08/11/15	IA-01	586853.2	729750.2	120.02	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-68	IWAS	ND	ND	S3		E201506945	07/27/15	IA-01	586907.8	729714.9	120.25	Stainless	6	Stainless Screen	91.0	30 - 50
		ND	ND													70 - 90
ART-69	IWAS	ND	ND	S3		E201506946	07/30/15	IA-01	586970.0	729675.6	120.41	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-70	IWAS	ND	ND	S3		E201506019	09/04/15	IA-01	586835.3	729677.2	119.31	Stainless	6	Stainless Screen	91.0	30 - 50
		ND	ND													70 - 90
ART-71	IWAS	ND	ND	S3		E201506947	07/23/15	IA-01	586908.7	729643.7	119.11	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-72	IWAS	ND	ND	S3		E201506469	07/23/15	IA-02	586967.5	729604.8	118.97	Stainless	6	Stainless Screen	91.0	30 - 60
		ND	ND													70 - 90
ART-73	IWAS	ND	ND	S3		E201506948	07/28/15	IA-01	586848.1	729619.3	118.61	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-74	IWAS	ND	ND	S3		E201506949	08/26/15	IA-02	586911.2	729563.3	118.35	Stainless	6	Stainless Screen	91.0	20 - 60
		ND	ND													70 - 90
ART-91	IWAS	OVB	Yes	S2		E201514693	01/19/16	IA-07	587492.3	729043.8	114.19	Stainless	6	Stainless Screen	42.5	6 - 26
		OVB	Yes													31 - 41
ART-93	IWAS	OVB	Yes	S2		E201514809	01/14/16	IA-07	587451.1	728989.5	113.99	Stainless	6	Stainless Screen	42.5	6 - 26
		OVB	Yes													31 - 41
ART-94	IWAS	ND	ND	S2		E201514811	01/22/16	IA-07	587529.6	728965.2	111.07	Stainless	6	Stainless Screen	42.5	6 - 26
		ND	ND													31 - 41
ART-95	IWAS	OVB	Yes	S2		E201514812	02/01/16	IA-07	587383.0	728942.8	113.58	Stainless	6	Stainless Screen	42.5	6 - 26
		OVB	Yes													31 - 41
ART-96	IWAS	ND	ND	S2		E201514814	01/12/16	IA-07	587463.0	728918.6	112.65	Stainless	6	Stainless Screen	42.5	6 - 26
		ND	ND													31 - 41
ART-97	IWAS	OVB	Yes	S2		E201514815	01/06/16	IA-07	587361.8	728863.4	110.97	Stainless	6	Stainless Screen	42.5	6 - 26
		OVB	Yes													31 - 41
ART-98	IWAS	OVB	Yes	S2		E201514818	01/18/16	IA-07	587423.7	728842.2	112.89	Stainless	6	Stainless Screen	42.5	6 - 26
		OVB	Yes													31 - 41
ART-101	IWAS	ND	ND	S2		E201607402	07/08/16	IA-12	587970.1	729760.4	124.31	Stainless	6	Stainless Screen	61.0	5 - 35
		ND	ND													40 - 60
ART-102	IWAS	ND	ND	S2		E201607403	07/07/16	IA-12	587946.4	729722.0	123.95	Stainless	6	Stainless Screen	61.0	5 - 35
		ND	ND													40 - 60
ART-104	IWAS	ND	ND	S2		E201609135	08/11/16	IA-07	587428.5	729030.6	113.67	Stainless	6	Stainless Screen	42.5	5.5 - 25.5
		ND	ND													30.5 - 40.5
EW-01	Extraction	ND	ND	S2		E201511979	10/16/15	IA-12	587951.7	729735.7	123.32	Stainless	6	Stainless Screen	50	30 - 50
EW-4B	Extraction	3W	No	S2		E201712992	12/15/17	IA-02	587072.6	729385.1	117.17	ND	4	Stainless Screen	45	35 - 45
EW-6B	Extraction	2W	No	S2		E201903463	04/09/19	IA-06	586818.5	729241.0	112.06	PVC	4	PVC Screen	43	27 - 42
IA7-VP3	Vapor Point	OVB	Yes	S1		E201601289	02/09/16	IA-07	587443.0	729005.5	114.64	PVC	1	PVC Screen	8	3 - 8
IA7-VP4	Vapor Point	OVB	Yes	S1		E201601290	02/09/16	IA-07	587486.6	729007.0	114.63	PVC	1	PVC Screen	8	3 - 8
IA7-VP5	Vapor Point	OVB	Yes	S1		E201601291	02/08/16	IA-07	587534.6	728976.6	112.79	PVC	1	PVC Screen	8	3 - 8
IA7-VP6	Vapor Point	OVB	Yes	S1		E201601292	02/09/16	IA-07	587437.8	728960.0	113.61	PVC	1	PVC Screen	8	3 - 8

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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)						
IA7-VP7	Vapor Point	OVB	Yes	S1		E201601293	02/09/16	IA-07	587485.6	728954.6	113.30	PVC	1	PVC Screen	8	3 - 8
IA7-VP8	Vapor Point	OVB	Yes	S1		E201601294	02/08/16	IA-07	587551.7	728944.7	110.93	PVC	1	PVC Screen	8	3 - 8
IA7-VP9	Vapor Point	OVB	Yes	S1		E201601297	02/09/16	IA-07	587370.2	728924.3	112.41	PVC	1	PVC Screen	8	3 - 8
IA7-VP10	Vapor Point	OVB	Yes	S1		E201601295	02/09/16	IA-07	587448.9	728906.3	113.38	PVC	1	PVC Screen	8	3 - 8
IA7-VP11	Vapor Point	OVB	Yes	S1		E201601298	02/09/16	IA-07	587376.9	728856.7	112.26	PVC	1	PVC Screen	8	3 - 8
IA7-VP12	Vapor Point	OVB	Yes	S1		E201601296	02/09/16	IA-07	587430.2	728836.5	112.20	PVC	1	PVC Screen	8	3 - 8
IA12-VP1	Vapor Point	OVB	Yes	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	OVB	Yes	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	OVB	Yes	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	OVB	Yes	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	OVB	Yes	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	OVB	Yes	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	OVB	Yes	S1		E201507764	08/04/15	IA-12	587867.6	729858.5	122.81	PVC	1	PVC Screen	13	2 - 12
IA12-VP8	Vapor Point	OVB	Yes	S1		E201507765	08/04/15	IA-12	587872.8	729857.1	122.78	PVC	1	PVC Screen	13	2 - 12
IA12-VP9	Vapor Point	OVB	Yes	S1		E201509202	08/17/15	IA-12	587937.3	729849.8	123.20	PVC	1	PVC Screen	12	2 - 12
IA12-VP10	Vapor Point	OVB	Yes	S1		E201509203	08/17/15	IA-12	587933.8	729846.8	123.30	PVC	1	PVC Screen	12	2 - 12
IA12-VP11	Vapor Point	OVB	Yes	S1		E201511100	09/22/15	IA-12	588014.5	729704.3	124.59	PVC	1	PVC Screen	12	2 - 12
IA12-VP12	Vapor Point	OVB	Yes	S1		E201511101	09/22/15	IA-12	588023.0	729698.5	124.91	PVC	1	PVC Screen	12	2 - 12
IA12-VP13	Vapor Point	OVB	Yes	S1		E201509425	08/18/15	IA-12	587815.8	729737.6	123.32	PVC	1	PVC Screen	12	2 - 12
IA12-VP14	Vapor Point	OVB	Yes	S1		E201509426	08/18/15	IA-12	587819.9	729734.5	123.07	PVC	1	PVC Screen	12	2 - 12
IA12-VP15	Vapor Point	OVB	Yes	S1		E201509427	08/18/15	IA-12	587847.7	729694.4	122.48	PVC	1	PVC Screen	12	2 - 12
IA12-VP16	Vapor Point	OVB	Yes	S1		E201509428	08/18/15	IA-12	587912.4	729674.4	122.75	PVC	1	PVC Screen	12	2 - 12
IA12-VP17	Vapor Point	OVB	Yes	S1		E201506939	09/11/15	IA-04	587738.0	729606.3	124.33	PVC	1	PVC Screen	12	2 - 12
IA12-VP18	Vapor Point	OVB	Yes	S1		E201506940	09/11/15	IA-04	587742.0	729602.9	124.45	PVC	1	PVC Screen	12	2 - 12
IA12-VP19	Vapor Point	OVB	Yes	S1		E201506941	09/15/15	IA-03	587808.6	729565.2	119.30	PVC	1	PVC Screen	12	2 - 12
IA12-VP20	Vapor Point	OVB	Yes	S1		E201506942	09/15/15	IA-03	587813.6	729561.8	118.91	PVC	1	PVC Screen	12	2 - 12
IA12-VP21	Vapor Point	OVB	Yes	S1		E201506943	09/14/15	IA-04	587681.7	729527.7	120.73	PVC	1	PVC Screen	12	2 - 12
IA12-VP22	Vapor Point	OVB	Yes	S1		E201506944	09/14/15	IA-04	587678.2	729523.5	120.62	PVC	1	PVC Screen	12	2 - 12
IA15-VP1	Vapor Point	OVB	Yes	S1		E201508995	08/17/15	IA-15	587496.0	727475.3	99.38	PVC	1	PVC Screen	15	5 - 15
IA15-VP2	Vapor Point	OVB	Yes	S1		E201508050	08/04/15	IA-15	587397.6	727567.9	97.04	PVC	1	PVC Screen	15	5 - 15
IA15-VP3	Vapor Point	OVB	Yes	S1		E201508051	08/03/15	IA-15	587386.0	727580.5	97.23	PVC	1	PVC Screen	15	5 - 15
IA15-VP4	Vapor Point	ND	ND	S1		E201508052	08/04/15	IA-15	587379.9	727592.2	98.11	PVC	1	PVC Screen	15	5 - 15
IA15-VP5	Vapor Point	ND	ND	S1		E201508053	08/06/15	IA-15	587378.1	727606.5	99.16	PVC	1	PVC Screen	15	5 - 15
IA15-VP6	Vapor Point	ND	ND	S1		E201508996	08/12/15	IA-15	587476.6	727353.1	95.91	PVC	1	PVC Screen	15	5 - 15
IA15-VP7	Vapor Point	ND	ND	S1		E201508997	08/12/15	IA-15	587428.3	727456.1	96.75	PVC	1	PVC Screen	15	5 - 15
IA15-VP8	Vapor Point	ND	ND	S1		E201508998	08/13/15	IA-15	587434.6	727443.7	96.82	PVC	1	PVC Screen	15	5 - 15
IW-6B	Injection	3E	No	S2		E201407240	06/16/14	IA-11	587220.0	728208.1	102.03	PVC	6	Screen	32	22 - 32
IW-8A	Injection	ND	ND	S1		E201410531	08/20/14	IA-12	587841.2	729720.5	123.65	Stainless	2	Stainless Screen	26	20 - 25
IW-8B-1	Injection	ND	ND	S1		E201410479	08/15/14	IA-12	587842.6	729724.3	123.42	Stainless	2	Stainless Screen	38	33 - 38
IW-8B-2	Injection	ND	ND	S2		E201410480	08/14/14	IA-12	587844.7	729728.5	123.53	Stainless	2	Stainless Screen	51	45 - 50
IW-8B3	Injection	ND	ND	S2		E201509652	09/21/15	IA-12	587844.0	729718.2	123.65	Stainless	2	Stainless Screen	71	60 - 70
IW-9A	Injection	ND	ND	S1		E201410530	08/21/14	IA-12	587859.5	729733.3	123.23	Stainless	2	Stainless Screen	26	20 - 25
IW-9B-1	Injection	ND	ND	S1		E201410159	08/08/14	IA-12	587864.5	729730.3	122.51	Stainless	2	Stainless Screen	39	33 - 38
IW-9B-2	Injection	ND	ND	S2		E201410160	08/25/14	IA-12	587867.9	729728.1	122.61	Stainless	2	Stainless Screen	51	45 - 50
IW-9B3	Injection	ND	ND	S2		E201509653	09/23/15	IA-12	587868.4	729733.2	121.92	Stainless	2	Stainless Screen	71	60 - 70
IW-10A	Injection	2E	Yes	S1		E201411657	09/19/14	IA-12	587862.6	729704.3	122.65	Stainless	2	Stainless Screen	26	20 - 25
IW-10B-1	Injection	ND	ND	S1		E201411689	09/19/14	IA-12	587859.4	729702.2	122.58	Stainless	2	Stainless Screen	39	33 - 38



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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-10B-2	Injection	ND	ND	S2		E201411690	09/12/14	IA-12	587854.3	729699.3	122.42	Stainless	2	Stainless Screen	51	45 - 50
IW-10B3	Injection	ND	ND	S2		E201509654	09/22/15	IA-12	587856.5	729707	122.61	Stainless	2	Stainless Screen	71	60 - 70
IW-11A	Injection	2E	Yes	S1		E201410460	08/22/14	IA-12	587872.8	729662.1	122.05	PVC	2	PVC Screen	28.2	13 - 18
		2E	Yes													22 - 27
IW-11B	Injection	2E	No	S2		E201410461	08/24/14	IA-12	587869.9	729664.0	122.25	PVC	2	PVC Screen	51.4	31 - 36
		2E	No													40 - 50
IW-12A	Injection	ND	ND	S1		E201410462	09/02/14	IA-12	587892.3	729670.5	122.50	PVC	2	PVC Screen	28.2	13 - 18
		ND	ND													22 - 27
IW-12B	Injection	ND	ND	S2		E201410186	09/02/14	IA-12	587887.1	729659.6	122.38	PVC	2	PVC Screen	51.5	31.3 - 36.3
		ND	ND													40.3 - 50.3
IW-13A	Injection	2E	Yes	S1		E201410463	08/22/14	IA-12	587881.6	729691.5	122.58	PVC	2	PVC Screen	28.2	13 - 18
		2E	Yes													22 - 27
IW-13B	Injection	2E	No	S2		E201410187	08/22/14	IA-12	587886.0	729688.5	122.45	PVC	2	PVC Screen	51.2	31 - 36
		2E	No													40 - 50
IW-23A	Injection	ND	ND	S1		E201507543	08/05/15	IA-12	587883.4	729871.5	122.65	Stainless	2	Stainless Screen	36	25 - 35
IW-23B2	Injection	ND	ND	S2		E201507541	07/30/15	IA-12	587881.4	729866.4	122.78	Stainless	2	Stainless Screen	51	45 - 50
IW-23B3	Injection	ND	ND	S2		E201507544	08/04/15	IA-12	587883.8	729871.7	122.60	Stainless	2	Stainless Screen	71	65 - 70
IW-24A	Injection	ND	ND	S1		E201509199	08/26/15	IA-12	587948.9	729848.6	122.93	Stainless	2	Stainless Screen	31	25 - 30
IW-24B2	Injection	ND	ND	S2		E201509201	08/27/15	IA-12	587947.7	729844.8	123.01	Stainless	2	Stainless Screen	51	45 - 50
IW-24B3	Injection	ND	ND	S2		E201509200	08/25/15	IA-12	587949.1	729848.9	122.82	Stainless	2	Stainless Screen	71	65 - 70
IW-25A	Injection	ND	ND	S1		E201509719	09/01/15	IA-12	587984.0	729819.8	123.53	Stainless	2	Stainless Screen	36	25 - 35
IW-25B2	Injection	ND	ND	S2		E201509721	09/18/15	IA-12	587980.9	729822.6	123.33	Stainless	2	Stainless Screen	51	45 - 50
IW-25B3	Injection	ND	ND	S2		E201509720	08/31/15	IA-12	587984.2	729820.0	123.52	Stainless	2	Stainless Screen	71	65 - 70
IW-26A	Injection	ND	ND	S1		E201507545	08/13/15	IA-12	587862.2	729853.6	122.90	Stainless	2	Stainless Screen	36	25 - 35
IW-26B2	Injection	ND	ND	S2		E201507542	08/07/15	IA-12	587862.4	729848.6	122.83	Stainless	2	Stainless Screen	51	40 - 50
IW-26B3	Injection	ND	ND	S2		E201507546	08/11/15	IA-12	587862.3	729853.9	122.81	Stainless	2	Stainless Screen	71	65 - 70
IW-27A	Injection	ND	ND	S1		E201511374	10/02/15	IA-12	587910.5	729814.5	123.48	Stainless	2	Stainless Screen	36	25 - 35
IW-27B2	Injection	ND	ND	S2		E201511376	09/28/15	IA-12	587904.7	729822.3	123.53	Stainless	2	Stainless Screen	51	45 - 50
IW-27B3	Injection	ND	ND	S2		E201511375	10/01/15	IA-12	587910.3	729814.7	123.50	Stainless	2	Stainless Screen	71	65 - 70
IW-28A	Injection	ND	ND	S1		E201509725	09/11/15	IA-12	587987.1	729796.9	123.59	Stainless	2	Stainless Screen	31	15 - 30
IW-28B	Injection	ND	ND	S2		E201509726	09/10/15	IA-12	587990.5	729793.2	123.64	Stainless	2	Stainless Screen	61.0	35 - 45
		ND	ND													50 - 60
IW-30A	Injection	ND	ND	S1		E201509503	09/15/15	IA-12	587859.3	729798.7	122.85	Stainless	2	Stainless Screen	36	25 - 35
IW-30B2	Injection	ND	ND	S2		E201509505	09/04/15	IA-12	587856.6	729794.6	122.75	Stainless	2	Stainless Screen	51	45 - 50
IW-30B3	Injection	ND	ND	S2		E201509504	09/14/15	IA-12	587859.5	729798.8	122.84	Stainless	2	Stainless Screen	71	65 - 70
IW-32A	Injection	ND	ND	S1		E201509506	09/11/15	IA-12	587842.0	729778.7	122.94	Stainless	2	Stainless Screen	36	25 - 35
IW-32B2	Injection	ND	ND	S2		E201509508	09/10/15	IA-12	587842.8	729773.9	122.88	Stainless	2	Stainless Screen	51	45 - 50
IW-32B3	Injection	ND	ND	S2		E201509507	09/11/15	IA-12	587841.8	729778.6	122.91	Stainless	2	Stainless Screen	71	65 - 70
IW-35A	Injection	2E	Yes	S1		E201509655	09/16/15	IA-12	587885.1	729728.8	122.23	Stainless	2	Stainless Screen	29	13 - 28
		2E	No													35 - 45
IW-35B	Injection	2E	No	S2		E201509656	09/25/15	IA-12	587890.7	729728.3	122.36	Stainless	2	Stainless Screen	61.0	50 - 60
		2E	No													15 - 20
IW-36A	Injection	ND	ND	S1		E201509509	08/28/15	IA-12	587901.5	729688.7	122.66	Stainless	2	Stainless Screen	30.5	25 - 30
		ND	ND													45 - 60
IW-36B	Injection	ND	ND	S2		E201509510	08/24/15	IA-12	587905.9	729686.2	122.59	Stainless	2	Stainless Screen	61	45 - 60
IW-38A	Injection	ND	ND	S1		E201507729	07/23/15	IA-12	587808.6	729723.2	123.89	Stainless	2	Stainless Screen	36	25 - 35
IW-38B2	Injection	ND	ND	S2		E201507731	07/22/15	IA-12	587814.0	729722.8	123.71	Stainless	2	Stainless Screen	51	45 - 50
IW-38B3	Injection	ND	ND	S2		E201507730	07/23/15	IA-12	587808.4	729723.2	123.91	Stainless	2	Stainless Screen	66	55 - 65

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-39A	Injection	ND	ND	S1		E201507957	07/17/15	IA-12	587886.6	729693.2	122.43	Stainless	2	Stainless Screen	36	25 - 35
IW-39B2	Injection	ND	ND	S2		E201507952	07/15/15	IA-12	587888.8	729697.7	122.58	Stainless	2	Stainless Screen	51	45 - 50
IW-39B3	Injection	ND	ND	S2		E201507962	07/17/15	IA-12	587886.3	729693.0	122.52	Stainless	2	Stainless Screen	71	65 - 70
IW-40A	Injection	2E	Yes	S1		E201507728	08/13/15	IA-12	587858.5	729689.7	122.31	Stainless	2	Stainless Screen	29.0	13 - 18
		2E	Yes													23 - 28
IW-40B	Injection	2E	No	S2		E201507735	08/12/15	IA-12	587861.4	729693.2	122.46	Stainless	2	Stainless Screen	61.0	35 - 45
		2E	No													50 - 60
IW-41A	Injection	2E	Yes	S1		E201507732	07/27/15	IA-12	587841.6	729676.0	122.40	Stainless	2	Stainless Screen	36	25 - 35
IW-41B2	Injection	2E	No	S2		E201507734	07/24/15	IA-12	587846.8	729678.0	122.15	Stainless	2	Stainless Screen	51	45 - 50
IW-41B3	Injection	ND	ND	S2		E201507733	07/24/15	IA-12	587842.0	729675.9	122.41	Stainless	2	Stainless Screen	71	65 - 70
IW-42A	Injection	ND	ND	S1		E201506995	07/29/15	IA-12	587921.6	729676.0	122.91	Stainless	2	Stainless Screen	36	25 - 35
IW-42B2	Injection	ND	ND	S2		E201506989	08/04/15	IA-12	587924.2	729679.0	122.85	Stainless	2	Stainless Screen	51	45 - 50
IW-42B3	Injection	ND	ND	S2		E201506996	07/28/15	IA-12	587921.8	729675.8	122.86	Stainless	2	Stainless Screen	71	65 - 70
IW-43A	Injection	ND	ND	S1		E201506997	07/10/15	IA-12	587877.3	729651.9	122.09	Stainless	2	Stainless Screen	25	20 - 25
IW-43B2	Injection	ND	ND	S2		E201506990	07/08/15	IA-12	587883.1	729650.5	122.25	Stainless	2	Stainless Screen	51	45 - 50
IW-43B3	Injection	ND	ND	S2		E201506998	07/10/15	IA-12	587877.0	729652.1	122.09	Stainless	2	Stainless Screen	71	65 - 70
IW-44A	Injection	ND	ND	S1		E201506909	08/10/15	IA-04	587741.9	729615.5	124.68	Stainless	2	Stainless Screen	36	25 - 35
IW-44B2	Injection	ND	ND	S2		E201506921	08/07/15	IA-04	587745.4	729612.4	124.34	Stainless	2	Stainless Screen	51	45 - 50
IW-44B3	Injection	ND	ND	S2		E201506910	08/07/15	IA-04	587742.3	729615.4	124.63	Stainless	2	Stainless Screen	71	65 - 70
IW-45A	Injection	ND	ND	S1		E201506911	09/14/15	IA-03	587789.3	729596.8	120.27	Stainless	2	Stainless Screen	36	25 - 35
IW-45B2	Injection	ND	ND	S2		E201506922	09/14/15	IA-03	587785.3	729597.7	120.45	Stainless	2	Stainless Screen	41	35 - 40
IW-45B3	Injection	ND	ND	S2		E201506912	09/14/15	IA-03	587789.0	729597.1	120.26	Stainless	2	Stainless Screen	71	65 - 70
IW-46A	Injection	ND	ND	S1		E201506913	09/14/15	IA-03	587784.7	729558.3	119.38	Stainless	2	Stainless Screen	36	25 - 35
IW-46B2	Injection	ND	ND	S2		E201506923	09/14/15	IA-03	587789.0	729556.4	119.24	Stainless	2	Stainless Screen	51	45 - 50
IW-46B3	Injection	ND	ND	S2		E201506914	09/14/15	IA-03	587785.1	729557.9	119.22	Stainless	2	Stainless Screen	71	65 - 70
IW-47A	Injection	ND	ND	S1		E201506915	09/08/15	IA-04	587710.1	729568.4	121.96	Stainless	2	Stainless Screen	36	25 - 35
IW-47B2	Injection	ND	ND	S2		E201506924	09/09/15	IA-04	587713.9	729567.1	121.99	Stainless	2	Stainless Screen	51	45 - 50
IW-47B3	Injection	ND	ND	S2		E201506916	09/03/15	IA-04	587709.8	729568.3	121.94	Stainless	2	Stainless Screen	71	65 - 70
IW-48A	Injection	ND	ND	S1		E201506917	07/15/15	IA-03	587746.9	729533.7	120.63	Stainless	2	Stainless Screen	36	25 - 35
IW-48B2	Injection	ND	ND	S2		E201506925	07/07/15	IA-03	587743.9	729528.2	121.62	Stainless	2	Stainless Screen	51	45 - 50
IW-48B3	Injection	ND	ND	S2		E201506918	07/15/15	IA-03	587746.6	729533.6	120.59	Stainless	2	Stainless Screen	71	65 - 70
IW-50A	Injection	ND	ND	S1		E201509722	09/03/15	IA-12	588015.6	729788.6	124.32	Stainless	2	Stainless Screen	36	25 - 35
IW-50B2	Injection	ND	ND	S2		E201509724	09/04/15	IA-12	588011.7	729790.9	124.12	Stainless	2	Stainless Screen	51	40 - 50
IW-50B3	Injection	ND	ND	S2		E201509723	09/02/15	IA-12	588015.4	729788.6	124.28	Stainless	2	Stainless Screen	71	65 - 70
IW-51A	Injection	OVB	Yes	S1		E201508765	08/27/15	IA-12	588011.5	729732.9	124.46	Stainless	2	Stainless Screen	29.0	13 - 18
		OVB	Yes													23 - 28
IW-51B	Injection	ND	ND	S2		E201508766	08/25/15	IA-12	588009.7	729728.9	124.44	Stainless	2	Stainless Screen	61.0	35 - 45
		ND	ND													50 - 60
IW-52A	Injection	ND	ND	S1		E201508771	09/03/15	IA-12	588023.7	729746.0	124.61	Stainless	2	Stainless Screen	36	25 - 35
IW-52B2	Injection	ND	ND	S2		E201508767	09/04/15	IA-12	588021.6	729750.0	124.51	Stainless	2	Stainless Screen	51	45 - 50
IW-52B3	Injection	ND	ND	S2		E201508772	09/01/15	IA-12	588023.6	729745.5	124.55	Stainless	2	Stainless Screen	71	65 - 70
IW-54A	Injection	OVB	Yes	S1		E201508768	08/19/15	IA-12	587987.1	729691.5	124.19	Stainless	2	Stainless Screen	29.0	13 - 18
		OVB	ND													23 - 28
IW-54B	Injection	ND	ND	S2		E201508769	08/12/15	IA-12	587984.6	729687.0	123.91	Stainless	2	Stainless Screen	61.0	35 - 45
		ND	ND													50 - 60
IW-55A	Injection	ND	ND	S1		E201508773	08/14/15	IA-12	587993.7	729707.4	124.40	Stainless	2	Stainless Screen	41	30 - 40
IW-55B2	Injection	ND	ND	S2		E201508770	08/07/15	IA-12	588000.1	729716.2	124.18	Stainless	2	Stainless Screen	51	45 - 50

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-55B3	Injection	ND	ND	S2		E201508774	08/13/15	IA-12	587993.3	729707.3	124.36	Stainless	2	Stainless Screen	71	65 - 70
IW-57A	Injection	ND	ND	S1		E201506999	07/29/15	IA-12	587968.6	729665.1	123.94	Stainless	2	Stainless Screen	36	25 - 35
IW-57B2	Injection	ND	ND	S2		E201506991	08/04/15	IA-12	587971.6	729668.7	124.15	Stainless	2	Stainless Screen	51	45 - 50
IW-57B3	Injection	ND	ND	S2		E201507000	07/28/15	IA-12	587968.3	729665.0	123.91	Stainless	2	Stainless Screen	71	65 - 70
IW-58A	Injection	ND	ND	S1		E201506992	07/14/15	IA-12	587920.9	729654.7	122.98	PVC	2	PVC Screen	29.0	13 - 18
		ND	ND													23 - 28
IW-58B	Injection	ND	ND	S2		E201506993	06/30/15	IA-12	587914.4	729648.2	122.62	PVC	2	PVC Screen	61.0	35 - 45
		ND	ND													50 - 60
IW-59A	Injection	ND	ND	S1		E201507001	07/21/15	IA-12	587940.9	729629.8	123.55	Stainless	2	Stainless Screen	36	25 - 35
IW-59B2	Injection	ND	ND	S2		E201506994	07/23/15	IA-12	587944.9	729635.8	123.60	Stainless	2	Stainless Screen	51	45 - 50
IW-59B3	Injection	ND	ND	S2		E201507002	07/20/15	IA-12	587940.6	729629.9	123.58	Stainless	2	Stainless Screen	71	65 - 70
IW-60B	Injection	ND	ND	S2		E201506106	07/15/15	IA-01	587160.4	730111.8	121.07	Stainless	2	Stainless Screen	56	45 - 55
IW-60C	Injection	ND	ND	S3		E201506107	07/14/15	IA-01	587160.5	730111.5	121.08	Stainless	2	Stainless Screen	91	80 - 90
IW-61B	Injection	ND	ND	S2		E201506108	07/16/15	IA-04	587234.7	730065.8	120.96	Stainless	2	Stainless Screen	51	40 - 50
IW-61C	Injection	ND	ND	S3		E201506109	07/15/15	IA-04	587234.8	730066.0	120.97	Stainless	2	Stainless Screen	91	80 - 90
IW-62B	Injection	ND	ND	S2		E201506110	08/06/15	IA-01	587116.8	730096.9	121.01	Stainless	2	Stainless Screen	61	40 - 60
IW-62C	Injection	ND	ND	S3		E201506111	08/03/15	IA-01	587116.4	730097.0	120.94	Stainless	2	Stainless Screen	91	80 - 90
IW-63B	Injection	ND	ND	S2		E201506112	08/06/15	IA-01	587174.7	730060.5	120.76	Stainless	2	Stainless Screen	61	50 - 60
IW-63C	Injection	ND	ND	S3		E201506113	08/03/15	IA-01	587174.8	730060.3	120.94	Stainless	2	Stainless Screen	91	80 - 90
IW-64B	Injection	ND	ND	S2		E201506114	07/28/15	IA-04	587236.2	730023.0	121.05	Stainless	2	Stainless Screen	61	50 - 60
IW-64C	Injection	ND	ND	S3		E201506115	07/23/15	IA-04	587236.0	730023.0	120.90	Stainless	2	Stainless Screen	91	80 - 90
IW-65A	Injection	ND	ND	S1		E201508884	09/01/15	IA-01	587067.1	730082.2	121.08	Stainless	2	Stainless Screen	41	30 - 40
IW-65B	Injection	ND	ND	S2		E201508885	08/28/15	IA-01	587066.8	730081.9	121.01	Stainless	2	Stainless Screen	71	60 - 70
IW-66A	Injection	ND	ND	S1		E201508886	08/27/15	IA-01	587125.1	730044.8	120.89	Stainless	2	Stainless Screen	41	30 - 40
IW-66B	Injection	ND	ND	S2		E201508887	08/25/15	IA-01	587125.0	730044.4	120.87	Stainless	2	Stainless Screen	71	60 - 70
IW-67A	Injection	ND	ND	S1		E201508888	08/26/15	IA-04	587183.7	730006.7	120.81	Stainless	2	Stainless Screen	41	30 - 40
IW-67B	Injection	ND	ND	S2		E201508889	08/21/15	IA-04	587183.9	730007.0	120.74	Stainless	2	Stainless Screen	71	60 - 70
IW-68A	Injection	ND	ND	S1		E201506756	08/11/15	IA-04	587243.1	729969.0	121.51	Stainless	2	Stainless Screen	41	30 - 40
IW-68B	Injection	ND	ND	S2		E201506757	08/10/15	IA-04	587242.8	729969.0	121.43	Stainless	2	Stainless Screen	71	60 - 70
IW-69A	Injection	ND	ND	S1		E201508890	08/26/15	IA-01	587062.8	730012.8	120.85	Stainless	2	Stainless Screen	41	30 - 40
IW-69B	Injection	ND	ND	S2		E201508891	08/25/15	IA-01	587062.7	730012.5	120.84	Stainless	2	Stainless Screen	71	60 - 70
IW-70A	Injection	ND	ND	S1		E201508892	08/26/15	IA-01	587121.5	729974.8	121.40	Stainless	2	Stainless Screen	41	30 - 40
IW-70B	Injection	ND	ND	S2		E201508893	08/25/15	IA-01	587121.5	729975.1	121.38	Stainless	2	Stainless Screen	61	50 - 60
IW-71A	Injection	ND	ND	S1		E201506758	07/28/15	IA-04	587178.6	729936.5	121.24	Stainless	2	Stainless Screen	41	30 - 40
IW-71B	Injection	ND	ND	S2		E201506759	07/23/15	IA-04	587178.7	729936.8	121.33	Stainless	2	Stainless Screen	71	60 - 70
IW-72A	Injection	ND	ND	S1		E201507173	08/04/15	IA-04	587239.3	729899.0	121.33	Stainless	2	Stainless Screen	41	30 - 40
IW-72B	Injection	ND	ND	S2		E201507174	07/29/15	IA-04	587239.5	729898.9	121.21	Stainless	2	Stainless Screen	71	60 - 70
IW-73A	Injection	ND	ND	S1		E201509133	08/18/15	IA-01	587001.5	729979.9	121.17	Stainless	2	Stainless Screen	41	30 - 40
IW-73B	Injection	ND	ND	S2		E201509134	08/17/15	IA-01	587001.2	729979.9	121.11	Stainless	2	Stainless Screen	71	60 - 70
IW-74A	Injection	ND	ND	S1		E201509135	08/19/15	IA-01	587059.7	729942.6	120.64	Stainless	2	Stainless Screen	31	20 - 30
IW-74B	Injection	ND	ND	S2		E201509136	08/18/15	IA-01	587060.0	729942.8	120.49	Stainless	2	Stainless Screen	71	60 - 70
IW-75A	Injection	ND	ND	S1		E201508894	08/25/15	IA-04	587119.1	729904.2	120.99	Stainless	2	Stainless Screen	41	30 - 40
IW-75B	Injection	ND	ND	S2		E201508895	08/20/15	IA-04	587119.4	729904.4	120.90	Stainless	2	Stainless Screen	71	60 - 70
IW-76A	Injection	ND	ND	S1		E201507175	07/28/15	IA-04	587174.9	729866.6	121.73	Stainless	2	Stainless Screen	41	30 - 40
IW-76B	Injection	ND	ND	S2		E201507176	07/23/15	IA-04	587175.1	729866.7	121.89	Stainless	2	Stainless Screen	71	60 - 70
IW-77A	Injection	ND	ND	S1		E201508647	08/11/15	IA-01	586933.0	729936.7	120.33	Stainless	2	Stainless Screen	41	30 - 40
IW-77B	Injection	ND	ND	S2		E201508648	08/10/15	IA-01	586932.8	729936.4	120.41	Stainless	2	Stainless Screen	71	60 - 70

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-78A	Injection	ND	ND	S1		E201509137	08/19/15	IA-01	586988.3	729908.2	120.93	Stainless	2	Stainless Screen	36	25 - 35
IW-78B	Injection	ND	ND	S2		E201509138	08/17/15	IA-01	586988.1	729908.2	120.91	Stainless	2	Stainless Screen	71	60 - 70
IW-79A	Injection	ND	ND	S1		E201508896	09/01/15	IA-05	587042.9	729868.2	121.18	Stainless	2	Stainless Screen	41	30 - 40
IW-79B	Injection	ND	ND	S2		E201508897	08/28/15	IA-05	587043.1	729868.4	121.09	Stainless	2	Stainless Screen	71	60 - 70
IW-80A	Injection	ND	ND	S1		E201507177	07/21/15	IA-04	587113.8	729834.3	121.20	Stainless	2	Stainless Screen	41	30 - 40
IW-80B	Injection	ND	ND	S2		E201507178	07/17/15	IA-04	587113.6	729834.2	121.20	Stainless	2	Stainless Screen	71	60 - 70
IW-81B	Injection	ND	ND	S1		E201505900	06/30/15	IA-01	586880.1	729891.3	119.62	Stainless	2	Stainless Screen	51	40 - 50
IW-81C	Injection	ND	ND	S3		E201505901	06/22/15	IA-01	586880.1	729891.7	119.58	Stainless	2	Stainless Screen	91	80 - 90
IW-82B	Injection	ND	ND	S2		E201505902	08/18/15	IA-01	586924.3	729868.1	119.82	Stainless	2	Stainless Screen	61	50 - 60
IW-82C	Injection	ND	ND	S3		E201505903	08/17/15	IA-01	586924.5	729868.5	119.77	Stainless	2	Stainless Screen	91	80 - 90
IW-83B	Injection	ND	ND	S2		E201508392	08/18/15	IA-01	586985.7	729829.0	120.18	Stainless	2	Stainless Screen	61	50 - 60
IW-83C	Injection	ND	ND	S3		E201508393	08/17/15	IA-01	586985.9	729829.4	120.17	Stainless	2	Stainless Screen	91	80 - 90
IW-84B	Injection	ND	ND	S2		E201508394	08/21/15	IA-01	587038.0	729796.4	120.40	Stainless	2	Stainless Screen	61	50 - 60
IW-84C	Injection	ND	ND	S3		E201508395	08/20/15	IA-01	587038.3	729796.3	120.35	Stainless	2	Stainless Screen	91	80 - 90
IW-85B	Injection	ND	ND	S2		E201508396	08/21/15	IA-04	587101.8	729760.1	120.72	Stainless	2	Stainless Screen	61	50 - 60
IW-85C	Injection	ND	ND	S3		E201508397	08/20/15	IA-04	587101.9	729760.4	120.69	Stainless	2	Stainless Screen	91	80 - 90
IW-86B	Injection	ND	ND	S2		E201505904	06/19/15	IA-01	586852.9	729846.2	119.87	Stainless	2	Stainless Screen	61	50 - 60
IW-86C	Injection	ND	ND	S3		E201505905	06/17/15	IA-01	586853.1	729846.6	119.84	Stainless	2	Stainless Screen	91	80 - 90
IW-87B	Injection	ND	ND	S2		E201508398	08/07/15	IA-01	586895.1	729818.9	120.15	Stainless	2	Stainless Screen	61	50 - 60
IW-87C	Injection	ND	ND	S3		E201508399	08/05/15	IA-01	586895.0	729818.6	120.13	Stainless	2	Stainless Screen	91	80 - 90
IW-88B	Injection	ND	ND	S2		E201508400	09/08/15	IA-01	586954.1	729781.2	120.92	Stainless	2	Stainless Screen	61	50 - 60
IW-88C	Injection	ND	ND	S3		E201508401	09/02/15	IA-01	586953.9	729780.9	120.88	Stainless	2	Stainless Screen	91	80 - 90
IW-89B	Injection	ND	ND	S2		E201506459	07/22/15	IA-01	587012.6	729742.8	121.13	Stainless	2	Stainless Screen	61	50 - 60
IW-89C	Injection	ND	ND	S3		E201506460	07/20/15	IA-01	587012.7	729743.1	121.13	Stainless	2	Stainless Screen	91	80 - 90
IW-90B	Injection	ND	ND	S2		E201506461	07/20/15	IA-04	587071.8	729704.9	121.02	Stainless	2	Stainless Screen	61	50 - 60
IW-90C	Injection	ND	ND	S3		E201506462	07/13/15	IA-04	587071.8	729705.1	120.92	Stainless	2	Stainless Screen	91	80 - 90
IW-91B	Injection	ND	ND	S2		E201505906	06/30/15	IA-01	586832.7	729787.2	120.36	Stainless	2	Stainless Screen	46	35 - 45
IW-91C	Injection	ND	ND	S3		E201505907	06/22/15	IA-01	586832.8	729787.5	120.33	Stainless	2	Stainless Screen	91	70 - 90
IW-92B	Injection	ND	ND	S2		E201505908	08/21/15	IA-01	586891.7	729749.1	120.25	Stainless	2	Stainless Screen	61	50 - 60
IW-92C	Injection	ND	ND	S3		E201505909	08/20/15	IA-01	586891.8	729749.4	120.18	Stainless	2	Stainless Screen	91	80 - 90
IW-93B	Injection	ND	ND	S2		E201506951	08/03/15	IA-01	586949.9	729711.4	120.90	Stainless	2	Stainless Screen	51	40 - 50
IW-93C	Injection	ND	ND	S3		E201506952	07/31/15	IA-01	586950.1	729711.7	120.83	Stainless	2	Stainless Screen	81	70 - 80
IW-94B	Injection	ND	ND	S2		E201506463	09/08/15	IA-04	587009.3	729673.3	120.89	Stainless	2	Stainless Screen	61	50 - 60
IW-94C	Injection	ND	ND	S3		E201506464	09/02/15	IA-04	587009.3	729673.6	120.85	Stainless	2	Stainless Screen	91	80 - 90
IW-95B	Injection	ND	ND	S2		E201506226	08/18/15	IA-01	586826.4	729718.6	119.74	Stainless	2	Stainless Screen	61	50 - 60
IW-95C	Injection	ND	ND	S3		E201506227	08/14/15	IA-01	586826.2	729718.3	119.71	Stainless	2	Stainless Screen	91	80 - 90
IW-96B	Injection	ND	ND	S2		E201506953	08/04/15	IA-01	586885.8	729681.5	119.29	Stainless	2	Stainless Screen	61	50 - 60
IW-96C	Injection	ND	ND	S3		E201506954	07/31/15	IA-01	586885.4	729681.4	119.26	Stainless	2	Stainless Screen	91	80 - 90
IW-97B	Injection	ND	ND	S2		E201506955	07/17/15	IA-01	586946.8	729641.3	119.03	Stainless	2	Stainless Screen	61	50 - 60
IW-97C	Injection	ND	ND	S3		E201506956	07/13/15	IA-01	586946.9	729641.6	119.23	Stainless	2	Stainless Screen	91	80 - 90
IW-98B	Injection	ND	ND	S2		E201506465	07/17/15	IA-02	587005.9	729603.7	119.71	Stainless	2	Stainless Screen	51	40 - 50
IW-98C	Injection	ND	ND	S3		E201506466	07/13/15	IA-02	587006.0	729604.1	119.65	Stainless	2	Stainless Screen	91	80 - 90
IW-99B	Injection	ND	ND	S2		E201505910	08/24/15	IA-01	586826.1	729648.2	119.11	Stainless	2	Stainless Screen	61	50 - 60
IW-99C	Injection	ND	ND	S3		E201505911	08/20/15	IA-01	586826.3	729647.9	119.09	Stainless	2	Stainless Screen	91	80 - 90
IW-100B	Injection	ND	ND	S2		E201506957	08/04/15	IA-01	586884.5	729609.8	118.95	Stainless	2	Stainless Screen	61	50 - 60
IW-100C	Injection	ND	ND	S3		E201506958	07/31/15	IA-01	586884.8	729609.7	118.90	Stainless	2	Stainless Screen	81	70 - 80
IW-101B	Injection	ND	ND	S2		E201506959	07/17/15	IA-02	586943.6	729571.7	118.62	Stainless	2	Stainless Screen	61	50 - 60

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-101C	Injection	ND	ND	S3		E201506960	07/13/15	IA-02	586943.7	729572.0	118.55	Stainless	2	Stainless Screen	91	80 - 90
IW-102B	Injection	ND	ND	S2		E201508402	08/24/15	IA-01	586822.7	729577.9	117.79	Stainless	2	Stainless Screen	61	50 - 60
IW-102C	Injection	ND	ND	S3		E201508403	08/20/15	IA-01	586822.7	729577.6	117.77	Stainless	2	Stainless Screen	91	80 - 90
IW-103B	Injection	ND	ND	S2		E201506961	07/30/15	IA-01	586881.4	729539.9	117.89	Stainless	2	Stainless Screen	61	50 - 60
IW-103C	Injection	ND	ND	S3		E201506962	07/30/15	IA-01	586881.7	729539.9	117.85	Stainless	2	Stainless Screen	91	80 - 90
IW-114C	Injection	ND	ND	S3		E201509727	08/27/15	IA-11	587703.5	727916.7	137.13	Steel	6	Open Hole	140	110 - 140
IW-115A1	Injection	OVB	Yes	S1		E201514671	01/12/16	IA-07	587485.1	729055.9	114.58	Stainless	2	Stainless Screen	22	11 - 21
IW-115A2	Injection	ND	ND	S1		E201514685	12/31/15	IA-07	587480.4	729059.4	114.59	Stainless	2	Stainless Screen	32	21 - 31
IW-115B	Injection	ND	ND	S2		E201514672	01/05/16	IA-07	587485.3	729056.1	114.56	Stainless	2	Stainless Screen	42	31 - 41
IW-119A1	Injection	OVB	Yes	S1		E201514679	01/12/16	IA-07	587458.7	729028.7	113.95	Stainless	2	Stainless Screen	22	11 - 21
IW-119A2	Injection	ND	ND	S1		E201514689	01/08/16	IA-07	587455.8	729024.6	113.38	Stainless	2	Stainless Screen	32	21 - 31
IW-119B	Injection	ND	ND	S2		E201514680	01/12/16	IA-07	587458.5	729028.8	113.91	Stainless	2	Stainless Screen	42	31 - 41
IW-120A1	Injection	ND	ND	S1		E201514681	01/12/16	IA-07	587507.0	729014.9	115.77	Stainless	2	Stainless Screen	22	11 - 21
IW-120A2	Injection	ND	ND	S1		E201514690	01/12/16	IA-07	587510.4	729012.7	114.85	Stainless	2	Stainless Screen	32	21 - 31
IW-120B	Injection	ND	ND	S2		E201514682	01/12/16	IA-07	587506.4	729015.2	115.95	Stainless	2	Stainless Screen	42	31 - 41
IW-121A1	Injection	ND	ND	S1		E201514861	01/12/16	IA-07	587517.7	728980.7	112.47	Stainless	2	Stainless Screen	22	11 - 21
IW-121A2	Injection	ND	ND	S1		E201514863	01/12/16	IA-07	587521.4	728978.0	114.77	Stainless	2	Stainless Screen	32	21 - 31
IW-121B	Injection	ND	ND	S2		E201514862	01/12/16	IA-07	587517.8	728981.0	112.47	Stainless	2	Stainless Screen	42	31 - 41
IW-122A1	Injection	ND	ND	S1		E201514683	01/12/16	IA-07	587564.8	728972.4	114.05	Stainless	2	Stainless Screen	22	11 - 21
IW-122A2	Injection	ND	ND	S1		E201514691	01/12/16	IA-07	587567.8	728969.0	113.91	Stainless	2	Stainless Screen	32	21 - 31
IW-122B	Injection	ND	ND	S2		E201514684	01/12/16	IA-07	587564.7	728972.7	114.11	Stainless	2	Stainless Screen	42	31 - 41
IW-123A1	Injection	OVB	Yes	S1		E201514775	02/03/16	IA-07	587407.3	728999.4	113.61	Stainless	2	Stainless Screen	22	11 - 21
IW-123A2	Injection	ND	ND	S1		E201514761	02/03/16	IA-07	587405.1	728995.5	113.63	Stainless	2	Stainless Screen	32	21 - 31
IW-123B	Injection	ND	ND	S2		E201514776	02/02/16	IA-07	587407.2	728999.5	113.64	Stainless	2	Stainless Screen	42	31 - 41
IW-124A1	Injection	ND	ND	S1		E201514777	01/08/16	IA-07	587450.8	728972.6	114.38	Stainless	2	Stainless Screen	22	11 - 21
IW-124A2	Injection	ND	ND	S1		E201514762	01/21/16	IA-07	587447.0	728967.9	114.41	Stainless	2	Stainless Screen	32	21 - 31
IW-124B	Injection	ND	ND	S2		E201514778	01/07/16	IA-07	587451.0	728972.2	114.27	Stainless	2	Stainless Screen	42	31 - 41
IW-125A1	Injection	ND	ND	S1		E201514779	12/30/15	IA-07	587491.2	728946.8	113.89	Stainless	2	Stainless Screen	22	11 - 21
IW-125A2	Injection	ND	ND	S1		E201514763	01/18/16	IA-07	587495.4	728944.1	113.66	Stainless	2	Stainless Screen	32	21 - 31
IW-125B	Injection	ND	ND	S2		E201514780	12/29/15	IA-07	587491.0	728946.8	113.88	Stainless	2	Stainless Screen	42	31 - 41
IW-126A1	Injection	OVB	Yes	S1		E201514781	01/29/16	IA-07	587369.9	728941.1	112.60	Stainless	2	Stainless Screen	22	11 - 21
IW-126A2	Injection	ND	ND	S1		E201514772	02/04/16	IA-07	587389.1	728952.0	112.91	Stainless	2	Stainless Screen	32	21 - 31
IW-126B	Injection	ND	ND	S2		E201514782	01/28/16	IA-07	587369.7	728941.0	112.61	Stainless	2	Stainless Screen	42	31 - 41
IW-127A1	Injection	OVB	Yes	S1		E201514783	12/30/15	IA-07	587408.2	728930.1	113.89	Stainless	2	Stainless Screen	22	11 - 21
IW-127A2	Injection	ND	ND	S1		E201514773	12/23/15	IA-07	587405.0	728925.9	113.93	Stainless	2	Stainless Screen	32	21 - 31
IW-127B	Injection	ND	ND	S2		E201514784	12/29/15	IA-07	587408.4	728930.3	113.85	Stainless	2	Stainless Screen	42	31 - 41
IW-128A1	Injection	OVB	Yes	S1		E201514785	12/29/15	IA-07	587445.4	728893.9	113.35	Stainless	2	Stainless Screen	22	11 - 21
IW-128A2	Injection	ND	ND	S1		E201514774	12/23/15	IA-07	587449.4	728890.4	113.84	Stainless	2	Stainless Screen	32	21 - 31
IW-128B	Injection	ND	ND	S2		E201514786	12/28/15	IA-07	587445.8	728893.7	113.28	Stainless	2	Stainless Screen	42	31 - 41
IW-129A1	Injection	OVB	Yes	S1		E201514787	01/13/16	IA-07	587358.1	728905.6	112.08	Stainless	2	Stainless Screen	22	11 - 21
IW-129A2	Injection	ND	ND	S1		E201514767	01/07/16	IA-07	587355.5	728901.0	112.41	Stainless	2	Stainless Screen	32	21 - 31
IW-130A1	Injection	OVB	Yes	S1		E201514789	12/23/15	IA-07	587351.6	728862.9	112.14	Stainless	2	Stainless Screen	22	11 - 21
IW-130A2	Injection	ND	ND	S1		E201514768	12/28/15	IA-07	587348.6	728858.0	111.92	Stainless	2	Stainless Screen	32	21 - 31
IW-130B	Injection	ND	ND	S2		E201514790	12/22/15	IA-07	587351.3	728862.8	112.22	Stainless	2	Stainless Screen	42	31 - 41
IW-131A1	Injection	OVB	Yes	S1		E201514791	01/11/16	IA-07	587397.6	728868.3	113.10	Stainless	2	Stainless Screen	22	11 - 21
IW-131A2	Injection	ND	ND	S1		E201514769	01/20/16	IA-07	587401.0	728864.7	113.22	Stainless	2	Stainless Screen	32	21 - 31
IW-131B	Injection	ND	ND	S2		E201514792	01/08/16	IA-07	587397.5	728868.7	113.06	Stainless	2	Stainless Screen	42	31 - 41

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-132A1	Injection	2E	Yes	S1		E201514793	01/13/16	IA-07	587416.2	728824.7	112.79	Stainless	2	Stainless Screen	22	11 - 21
IW-132A2	Injection	ND	ND	S1		E201514770	01/19/16	IA-07	587418.0	728819.2	112.98	Stainless	2	Stainless Screen	32	21 - 31
IW-132B	Injection	ND	ND	S2		E201514794	01/12/16	IA-07	587416.4	728824.7	112.81	Stainless	2	Stainless Screen	42	31 - 41
IW-136C2	Injection	ND	ND	S3		E201507909	09/09/15	IA-11	587653.7	728157.5	122.84	Steel	6	Open Hole	125	95 - 125
IW-152B	Injection	ND	ND	S2		E201509598	09/23/15	IA-13	587481.0	727706.7	107.50	Steel	6	Open Hole	60	35 - 60
IW-156B	Injection	ND	ND	S2		E201509877	08/24/15	IA-11	587341.2	727912.8	104.77	Steel	6	Open Hole	55	30 - 55
IW-157B	Injection	3E	No	S2		E201509287	08/31/15	IA-11	587314.9	727964.0	103.72	Steel	6	Open Hole	55	30 - 55
IW-157C1	Injection	3E	No	S3		E201509286	08/27/15	IA-11	587314.2	727955.7	103.43	Steel	6	Open Hole	80	55 - 80
IW-157C2	Injection	3E	No	S3		E201509285	08/25/15	IA-11	587320.7	727960.0	103.83	Steel	6	Open Hole	105	80 - 105
IW-158B	Injection	3E	No	S2		E201509290	08/27/15	IA-11	587282.0	728016.8	102.64	Steel	6	Open Hole	55	30 - 55
IW-158C1	Injection	3E	No	S3		E201509289	08/24/15	IA-11	587279.3	728004.8	102.09	Steel	6	Open Hole	80	55 - 80
IW-158C2	Injection	3E	No	S3		E201509288	08/19/15	IA-11	587291.1	728011.4	102.65	Steel	6	Open Hole	105	80 - 105
IW-159C1	Injection	3E	No	S3		E201508243	08/20/15	IA-11	587378.1	728166.1	106.81	Steel	6	Open Hole	85	60 - 85
IW-159C2	Injection	3E	No	S3		E201508244	08/17/15	IA-11	587385.8	728176.1	106.92	Steel	6	Open Hole	110	85 - 110
IW-160C2	Injection	3E	No	S3		E201510251	08/31/15	IA-11	587367.0	728248.2	106.52	Steel	6	Open Hole	110	80 - 110
IW-161B	Injection	3E	No	S2		E201507922	08/06/15	IA-11	587281.4	728299.5	103.87	Steel	6	Open Hole	57	32 - 57
IW-161C1	Injection	3E	No	S3		E201510254	08/26/15	IA-11	587291.6	728305.6	104.19	Steel	6	Open Hole	82	57 - 82
IW-161C2	Injection	3E	No	S3		E201510253	08/28/15	IA-11	587290.4	728294.6	104.19	Steel	6	Open Hole	107	82 - 107
IW-162C1	Injection	3E	No	S3		E201509292	08/12/15	IA-11	587228.5	728319.6	103.50	Steel	6	Open Hole	80	55 - 80
IW-162C2	Injection	3E	No	S3		E201509291	08/10/15	IA-11	587225.0	728326.7	102.92	Steel	6	Open Hole	105	80 - 105
IW-165C1	Injection	ND	ND	S3		E201507896	08/25/15	IA-11	587487.0	728242.9	112.34	Steel	6	Open Hole	90	65 - 90
IW-165C2	Injection	ND	ND	S3		E201507906	08/05/15	IA-11	587502.6	728239.1	112.46	Steel	6	Open Hole	111	90 - 111
IW-167C1	Injection	3E	No	S3		E201508109	08/07/15	IA-11	587370.6	728337.5	108.21	Steel	6	Open Hole	80	50 - 80
IW-167C2	Injection	3E	No	S3		E201508110	08/05/15	IA-11	587378.2	728335.9	108.57	Steel	6	Open Hole	110	80 - 110
IW-168B	Injection	2E	No	S2		E201507919	07/22/15	IA-11	587242.7	728400.7	104.11	Steel	6	Open Hole	56	31 - 56
IW-168C1	Injection	2E	No	S3		E201507920	07/27/15	IA-11	587243.5	728392.3	104.00	Steel	6	Open Hole	81	56 - 81
IW-168C2	Injection	2E	No	S3		E201507921	07/31/15	IA-11	587252.0	728396.4	103.98	Steel	6	Open Hole	106	81 - 106
IW-173B	Injection	ND	ND	S2		E201509584	09/16/15	IA-15	587489.7	727492.7	100.00	Stainless	6	Stainless Screen	46	21 - 46
IW-174B	Injection	ND	ND	S2		E201509585	09/16/15	IA-15	587475.8	727519.3	101.08	Stainless	6	Stainless Screen	51	21 - 51
IW-174C	Injection	ND	ND	S3		E201509583	09/14/15	IA-15	587471.4	727529.0	101.55	Steel	6	Open Hole	80	50 - 80
IW-175C	Injection	ND	ND	S3		E201512249	09/25/15	IA-15	587456.0	727557.6	102.72	Steel	6	Open Hole	85	55 - 85
IW-176B	Injection	ND	ND	S2		E201510603	09/11/15	IA-15	587393.2	727599.8	102.15	Stainless	6	Stainless Screen	47	17 - 47
IW-176C	Injection	ND	ND	S3		E201510601	09/11/15	IA-15	587382.1	727597.8	98.18	Steel	6	Open Hole	90	60 - 90
IW-177B	Injection	ND	ND	S2		E201509586	09/16/15	IA-15	587548.2	727481.9	103.99	Stainless	6	Stainless Screen	47	22 - 47
IW-178B	Injection	ND	ND	S2		E201509587	09/16/15	IA-15	587526.6	727528.3	101.49	Stainless	6	Stainless Screen	46	21 - 46
IW-180AR	Injection	3E	Yes	S1		E201701692	02/23/17	IA-11	587234.9	728240.0	102.85	PVC	4	PVC Screen	25	20 - 25
IW-181A	Injection	ND	ND	S1		E201607387	07/11/16	IA-12	587961.8	729778.9	123.82	Stainless	2	Stainless Screen	36	25 - 35
IW-181B2	Injection	ND	ND	S2		E201607382	07/12/16	IA-12	587964.2	729784.5	123.70	Stainless	2	Stainless Screen	51	45 - 50
IW-181B3	Injection	ND	ND	S2		E201607388	07/05/16	IA-12	587961.4	729779.3	123.75	Stainless	2	Stainless Screen	71	65 - 70
IW-182A	Injection	ND	ND	S1		E201607389	07/05/16	IA-12	587930.9	729734.7	123.51	Stainless	2	Stainless Screen	36	25 - 35
IW-182B2	Injection	ND	ND	S2		E201607383	07/12/16	IA-12	587933.9	729738.7	123.33	Stainless	2	Stainless Screen	51	45 - 50
IW-182B3	Injection	ND	ND	S2		E201607390	07/05/16	IA-12	587930.5	729734.9	123.60	Stainless	2	Stainless Screen	71	65 - 70
IW-183A	Injection	ND	ND	S1		E201607391	07/05/16	IA-12	587970.1	729729.6	124.15	Stainless	2	Stainless Screen	36	25 - 35
IW-183B2	Injection	ND	ND	S2		E201607384	07/13/16	IA-12	587970.4	729734.7	124.10	Stainless	2	Stainless Screen	51	45 - 50
IW-183B3	Injection	ND	ND	S2		E201607392	07/05/16	IA-12	587969.6	729729.8	124.11	Stainless	2	Stainless Screen	71	65 - 70
IW-184A	Injection	ND	ND	S1		E201607394	07/11/16	IA-12	587996.8	729765.4	124.55	Stainless	2	Stainless Screen	29	13 - 18
		ND	ND													23 - 28

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

Well Designation	Well Type	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	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-185A	Injection	ND	ND	S1		E201607395	07/12/16	IA-12	587962.4	729751.6	124.1	Stainless	2	Stainless Screen	29	13 - 18
	ND	ND	23 - 28													
IW-185B	Injection	ND	ND	S2		E201607399	07/06/16	IA-12	587959.2	729747.4	123.87	Stainless	2	Stainless Screen	61	35 - 45
	ND	ND	50 - 60													
IW-186A	Injection	ND	ND	S1		E201607396	07/11/16	IA-12	587919.9	729703	123.86	Stainless	2	Stainless Screen	29	13 - 18
	ND	ND	23 - 28													
IW-186B	Injection	ND	ND	S2		E201607400	07/08/16	IA-12	587928.2	729697.7	123.62	Stainless	2	Stainless Screen	61	35 - 45
	ND	ND	50 - 60													
IW-190B	Injection	3W	No	S2		E201712989	12/12/17	IA-02	587086.4	729407.3	118.49	ND	4	Stainless Screen	45	35 - 45
IW-195A	Injection	2W	Yes	S1		E201903464	04/09/19	IA-06	586818.7	729254.7	111.68	PVC	4	PVC Screen	31.2	5 - 30
IW-196A	Injection	2W	Yes	S1		E201903465	04/10/19	IA-06	586848.0	729241.7	111.75	PVC	4	PVC Screen	30.5	5 - 30
IW-197A	Injection	2W	Yes	S1		E201903466	04/08/19	IA-06	586821.6	729246.8	111.77	PVC	4	PVC Screen	28.5	23 - 28
IW-198A	Injection	2W	Yes	S1		E201903467	04/05/19	IA-06	586812.1	729231.8	112.18	PVC	4	PVC Screen	29	23 - 28
IW-199B	Injection	3W	No	S2		E201903468	04/05/19	IA-06	586826.3	729252.9	111.55	PVC	4	PVC Screen	42.5	27 - 42
IW-200A	Injection	2W	Yes	S1		E201903469	04/11/19	IA-06	586832.5	729217.4	112.44	PVC	4	PVC Screen	28.5	23 - 28
SVE-1	SVE	ND	ND	S1		2600053648	04/16/99	IA-03	588044.4	729030.6	118.81	PVC	6	Screen	23	3 - 23
SVE-2	SVE	ND	ND	S1		2600053928	05/11/99	IA-03	588004.2	728967.5	118.70	PVC	6	Screen	20	2 - 20
SVE-3	SVE	ND	ND	S1		2600053929	05/13/99	IA-03	588082.0	729088.1	118.91	PVC	6	Screen	21	3 - 21
VE-1210-1	SVE	ND	ND	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	ND	ND	S1		E201609289	08/05/16	IA-12	588022.8	729719.2	126.93	PVC	6	PVC Screen	14.0	3.0 - 13.0

Notes:

Shaded well designations indicate newly-installed wells

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

ND = Not determined

IWAS = In Well Air Stripping

SVE = Soil Vapor Extraction

OVV = Overburden

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

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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	OVb	Yes	S1	G4	2600019068	02/05/90	Off-Site	585799.6	730304.8	145.91	PVC	4	PVC Screen	28	15.5 - 28
MW-3W	OVb	Yes	S1	H4	2600019069	02/06/90	Off-Site	585808.4	730120.8	147.23	PVC	4	PVC Screen	31	16 - 31
MW-4W	OVb	Yes	S1	H4	2600019070	02/13/90	Off-Site	585790.2	730093.2	148.11	PVC	4	PVC Screen	30	16 - 30
MW-5AW	1W	Yes	S1	H4	2600020502	06/25/90	Off-Site	585777.5	730084.5	147.97	PVC	4	PVC Screen	65	50 - 65
MW-7W	1W	No	S2	H4	2600020504	06/26/90	Off-Site	585889.3	730128.6	142.68	PVC	4	PVC Screen	71.5	51.5 - 71.5
MW-8W	OVb	Yes	S1	H4	2600020499	06/15/90	Off-Site	585893.0	730122.5	142.87	PVC	4	PVC Screen	25	10 - 25
MW-9W	1W	No	S2	H4	2600020503	06/25/90	Off-Site	585868.4	730050.7	145.45	Steel	6	Open Hole	70	51.3 - 70
MW-10W	OVb	Yes	S1	H4	2600020498	06/12/90	Off-Site	585865.2	730053.2	145.01	PVC	4	PVC Screen	33.5	18.5 - 33.5
MW-11W	OVb	Yes	S1	H4	2600020500	06/27/90	Off-Site	585789.1	730011.5	135.84	PVC	4	PVC Screen	19	4 - 19
MW-12W	1W	Yes	S1	H3	2600020505	06/28/90	Off-Site	585601.0	730014.0	147.85	Steel	6	Open Hole	62	40 - 62
MW-13W	OVb	Yes	S1	G3	2600020501	06/28/90	Off-Site	585504.2	730303.9	153.03	PVC	4	PVC Screen	25	10 - 25
MW-14W	OVb	Yes	S1	G4	2600024733	05/17/91	Off-Site	585962.4	730231.8	133.38	PVC	4	PVC Screen	18.5	8.5 - 18.5
MW-15W	OVb	Yes	S1	G5	2600024734	05/20/91	IA-10	586007.1	730181.3	125.39	PVC	4	PVC Screen	15	5 - 15
MW-17AW	OVb	Yes	S1	H4	2600033838	06/21/93	IA-10	585909.6	730061.4	126.10	PVC	4	PVC Screen	11	3 - 11
MW-18W	OVb	Yes	S1	G5	2600043010	01/17/96	Off-Site	586007.7	730278.3	133.57	PVC	4	PVC Screen	16	6 - 16
MW-19W	1W	No	S3	H4	2600043011	01/30/96	Off-Site	585900.6	730119.5	142.91	PVC	4	PVC Screen	98	88 - 98
MW-20W Port 1	ND	Yes	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	ND	No	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	ND	No	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	1W	No	D1	H4	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	2W	No	D1	H4	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	2W	No	D2	H4	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	3W	No	D2	H4	2600088390-7	08/20/08	Off-Site	585778.2	730089.1	147.90	N/A	N/A	Liner Port	272	265 - 272
MW-21W	OVb	Yes	S1	H4	E201111133	07/13/11	Off-Site	585723.7	729878.9	139.02	PVC	2	PVC Screen	15	5 - 15
MW-23W	OVb	Yes	S1	H5	E201111132	07/19/11	IA-10	586154.9	729888.6	118.55	PVC	2	PVC Screen	8	3 - 8
MW-24W	OVb	Yes	S1	I5	E201111134	07/12/11	Off-Site	586050.9	729805.4	123.94	PVC	2	PVC Screen	13	3 - 13
MW-25W	OVb	Yes	S1	H3	E201111135	04/09/12	Off-Site	585661.2	730124.4	150.10	PVC	2	PVC Screen	20	10 - 20
MW-26W	3W	No	D2	G4	E201212678	10/26/12	Off-Site	585967.1	730306.5	136.14	PVC	2	PVC Screen	272	247 - 272
MW-27W	3W	No	D2	H3	E201212677	09/17/12	Off-Site	585657.8	730127.3	150.18	PVC	2	PVC Screen	323	298 - 323
MW-28W	4W	No	D2	H4	E201400718	01/16/14	Off-Site	585772.6	730106.4	147.76	PVC	2	PVC Screen	355	340 - 355
MW-29W	2W	No	D2	H3	E201400722	11/15/13	Off-Site	585577.9	729987.2	146.92	PVC	2	PVC Screen	256	241 - 256
MW-30W	1W	No	S2	G4	E201507051	07/08/15	Off-Site	585914.2	730474.7	139.63	PVC	2	PVC Screen	70	60 - 70
MW-31W	OVb	Yes	S1	H4	E201601470	02/18/16	Off-Site	585786.0	730086.0	N/A	PVC	2	PVC Screen	28	18 - 28
MW-32W	1W	No	S2	G6	E201506881	07/06/15	IA-10	586464.0	730183.1	119.22	PVC	2	PVC Screen	59	44 - 59
MW-37W	OVb	Yes	S1	H4	E201404546	04/25/14	Off-Site	585787.8	730008.6	135.82	PVC	2	PVC Screen	14	9 - 14
MW-38W	1W	Yes	S1	H4	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. Site - Nutley, NJ**

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-1N	5E	Yes	S2	T11	2600020904	06/25/90	Off-Site	587897.8	726501.1	67.17	PVC	4	PVC Screen	6	1 - 6
MW-2N	5E	Yes	S2	T11	2600022935	12/05/90	Off-Site	587979.7	726530.6	66.01	PVC	4	PVC Screen	12	2 - 12
MW-4N	5E	No	S3	T11	2600022931	12/07/90	Off-Site	587908.3	726505.0	67.16	Steel	6	Open Hole	25	15 - 25
MW-5N	5E	Yes	S2	T11	2600022934	12/03/90	Off-Site	587864.0	726468.8	67.84	PVC	4	PVC Screen	12	2 - 12
MW-6RN	5E	Yes	S2	S11	E201310284	07/29/13	Off-Site	587808.1	726604.5	67.07	PVC	2	PVC Screen	13	3 - 13
MW-7N	5E	Yes	S2	T11	2600025700	07/10/91	Off-Site	587956.7	726510.4	66.42	PVC	4	PVC Screen	14.5	4.5 - 14.5
MW-8N	5E	Yes	S2	T11	2600025701	07/23/91	Off-Site	588019.5	726514.1	66.15	PVC	4	PVC Screen	14.6	4.6 - 14.6
MW-10N	5E	No	S3	T11	2600028626	02/19/92	Off-Site	587930.0	726437.5	75.07	PVC	4	PVC Screen	31	21.25 - 31
MW-13N	5E	No	S3	T11	2600030040	07/13/92	Off-Site	587863.6	726474.4	67.59	Steel	6	Open Hole	50	41 - 50
MW-14N	5E	No	S3	T11	2600030041	07/14/92	Off-Site	587952.3	726508.7	66.39	Steel	6	Open Hole	60	39.5 - 60
MW-15N	5E	No	S3	T11	2600030039	07/13/92	Off-Site	587994.1	726447.0	75.95	PVC	4	PVC Screen	31	21 - 31
MW-16N	5E	No	S3	U11	2600034306	08/11/93	Off-Site	587808.9	726265.3	99.11	PVC	4	PVC Screen	58	38 - 58

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

Well Designation	Hydro-geologic Unit (HGU)	Shallow Yes / No	Vertical Investigation Zone	Figure 2 Grid Coordinates	Permit Number	Date Installed	Investigative 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-1G	OVB	Yes	S1	M7	E201216675	11/06/12	Off-Site	586784.4	728414.6	102.76	PVC	2	PVC Screen	14	4 - 14
MW-2G	OVB	Yes	S1	N7	E201216676	11/05/12	Off-Site	586720.0	728355.2	101.66	PVC	2	PVC Screen	13	4 - 13
MW-3G	OVB	Yes	S1	N7	E201216677	11/05/12	Off-Site	586777.8	728354.2	102.06	PVC	2	PVC Screen	14	4 - 14
MW-4G	OVB	Yes	S1	N7	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  
ND = Not determined  
Recent construction on the Site