



October 7, 2019

NYSDEC
Division of Environmental Remediation
47-40-21st Street
Long Island City, NY 11101

Attn: Christopher Allan
Environmental Engineer

Re: **Monthly Progress Report – September 2019**
Far Rockaway Development—Phase 1
BCP #C241224

Dear Mr. Allan:

CA RICH Consultants, Inc. is pleased to provide you with the following Monthly Progress Report (MPR) for the above-referenced Site. This MPR covers the time period from September 1, 2019 to September 30, 2019.

The following activities occurred In September 2019:

1. Site Activities
 - Removal of soils from 7 to 15 feet below grade to the Posillico Facility in Farmingdale, NY and Posillico Facility in Island Park, NY.
 - Stockpiling of soils from Building B and Building C.
 - Grading of soils and installation of building footings.
 - Installation of construction vapor barrier
2. Reporting Activities
 - Daily reports have been submitted in accordance with the RAWP.
3. Sampling Activities
 - No sampling occurred.
4. Notable deviations
 - Incomplete upwind dust monitoring data on 9/3, 9/4, 9/11, 9/13, and 9/16 due to charger malfunction.
 - Incomplete downwind dust monitoring data on 9/12 due to charger malfunction.
 - One 15 minute interval on 9/23 where downwind dust concentration was 131 ug/m³ due to area being cleared for truck access.
5. Other activities
 - None

The following work is planned for the Site/Project in October 2019:

- Continue with soil removal from Building C.
- Continue collecting endpoint soil samples as necessary.
- Continue with support of excavation.
- Installation of vapor barrier as part of the planned building construction for Buildings B and C.
- Removal of soils from 7 to 15 feet below grade to the Posillico Facility in Farmingdale, NY and Posillico Facility in Island Park, NY.
- Placement of approved reuse soils as necessary.

If there are any questions, please do not hesitate to call our office.

Respectfully,

CA RICH CONSULTANTS, INC.



Jason T. Cooper, PG
Senior Project Manager

cc: Eamonn O'Neil, NYSDOH (email only)
Madeline Gwyn Warner, Esq., NYSDEC (email only)
Matthew Kelly, Phipps Houses (email only)
Richard Izzo, CA Rich Consultants, Inc. (email only)
Karen Tyll, Tyll Engineering and Consulting PC, (email only)
Repository

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/3/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
		6:58:33 AM	26	26	Upwind dust monitor did not charge overnight
		7:13:33 AM	27	27	
		7:28:33 AM	24	24	
		7:43:33 AM	20	20	
		7:58:33 AM	18	18	
		8:13:33 AM	16	16	
		8:28:33 AM	16	16	
		8:43:33 AM	16	16	
		8:58:33 AM	15	15	
		9:13:33 AM	16	16	
		9:28:33 AM	21	21	Upwind dust monitoring station was enabled
		9:43:33 AM	18	18	
		9:58:33 AM	14	14	
10:04:49 AM	13	10:13:33 AM	14	1	
10:19:49 AM	14	10:28:33 AM	16	2	
10:34:49 AM	15	10:43:33 AM	14	-1	
10:49:49 AM	12	10:58:33 AM	15	3	
11:04:49 AM	12	11:13:33 AM	15	3	
11:19:49 AM	13	11:28:33 AM	16	3	
11:34:49 AM	12	11:43:33 AM	15	3	
11:49:49 AM	12	11:58:33 AM	14	2	
12:04:49 PM	11	12:13:33 PM	11	0	
12:19:49 PM	12	12:28:33 PM	13	1	
12:34:49 PM	11	12:43:33 PM	11	0	
12:49:49 PM	11	12:58:33 PM	12	1	
1:04:49 PM	11	1:13:33 PM	12	1	
1:19:49 PM	12	1:28:33 PM	14	2	
1:34:49 PM	13	1:43:33 PM	15	2	
1:49:49 PM	15	1:58:33 PM	16	1	
2:04:49 PM	16	2:13:33 PM	16	0	
2:19:49 PM	17				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/4/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
		6:51:10 AM	31	31	Upwind dust monitor did not charge overnight
		7:06:10 AM	34	34	
		7:21:10 AM	35	35	
		7:36:10 AM	31	31	
		7:51:10 AM	33	33	
		8:06:10 AM	31	31	
		8:21:10 AM	32	32	
		8:36:10 AM	29	29	
		8:51:10 AM	34	34	
		9:06:10 AM	31	31	
9:19:30 AM	24	9:21:10 AM	36	12	Upwind dust monitoring station was enabled
9:34:30 AM	26	9:36:10 AM	36	10	
9:49:30 AM	29	9:51:10 AM	36	7	
10:04:30 AM	32	10:06:10 AM	35	3	
10:19:30 AM	31	10:21:10 AM	34	3	
10:34:30 AM	25	10:36:10 AM	32	7	
10:49:30 AM	26	10:51:10 AM	29	3	
11:04:30 AM	25	11:06:10 AM	28	3	
11:19:30 AM	25	11:21:10 AM	29	4	
11:34:30 AM	24	11:36:10 AM	27	3	
11:49:30 AM	23	11:51:10 AM	26	3	
12:04:30 PM	20	12:06:10 PM	24	4	
12:19:30 PM	21	12:21:10 PM	25	4	
12:34:30 PM	19	12:36:10 PM	27	8	
12:49:30 PM	21	12:51:10 PM	26	5	
1:04:30 PM	22	1:06:10 PM	29	7	
1:19:30 PM	23	1:21:10 PM	31	8	
1:34:30 PM	23	1:36:10 PM	30	7	
1:49:30 PM	23	1:51:10 PM	28	5	
2:04:30 PM	23	2:06:10 PM	27	4	
2:19:30 PM	24	2:21:10 PM	30	6	
2:34:30 PM	24	2:36:10 PM	30	6	
		2:51:10 PM	30	30	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/5/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:53:43 AM	5	6:47:52 AM	6	1	
7:08:43 AM	6	7:02:52 AM	6	0	
7:23:43 AM	6	7:17:52 AM	7	1	
7:38:43 AM	8	7:32:52 AM	8	0	
7:53:43 AM	9	7:47:52 AM	10	1	
8:08:43 AM	9	8:02:52 AM	12	3	
8:23:43 AM	8	8:17:52 AM	7	-1	
8:38:43 AM	6	8:32:52 AM	7	1	
8:53:43 AM	6	8:47:52 AM	7	1	
9:08:43 AM	6	9:02:52 AM	7	1	
9:23:43 AM	7	9:17:52 AM	7	0	
9:38:43 AM	6	9:32:52 AM	6	0	
9:53:43 AM	7	9:47:52 AM	7	0	
10:08:43 AM	6	10:02:52 AM	5	-1	
10:23:43 AM	7	10:17:52 AM	4	-3	
10:38:43 AM	7	10:32:52 AM	4	-3	
10:53:43 AM	7	10:47:52 AM	4	-3	
11:08:43 AM	7	11:02:52 AM	4	-3	
11:23:43 AM	8	11:17:52 AM	4	-4	
11:38:43 AM	10	11:32:52 AM	4	-6	
11:53:43 AM	6	11:47:52 AM	4	-2	
12:08:43 PM	5	12:02:52 PM	4	-1	
12:23:43 PM	5	12:17:52 PM	3	-2	
12:38:43 PM	8	12:32:52 PM	4	-4	
12:53:43 PM	8	12:47:52 PM	3	-5	
1:08:43 PM	7	1:02:52 PM	5	-2	
1:23:43 PM	6	1:17:52 PM	4	-2	
1:38:43 PM	6	1:32:52 PM	4	-2	
1:53:43 PM	8	1:47:52 PM	3	-5	
2:08:43 PM	7	2:02:52 PM	4	-3	
2:23:43 PM	10	2:17:52 PM	5	-5	
		2:32:52 PM	4	4	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/6/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:37:59 AM	6	6:46:58 AM	7	1	
6:52:59 AM	7	7:01:58 AM	8	1	
7:07:59 AM	7	7:16:58 AM	8	1	
7:22:59 AM	7	7:31:58 AM	11	4	
7:37:59 AM	7	7:46:58 AM	9	2	
7:52:59 AM	7	8:01:58 AM	8	1	
8:07:59 AM	13	8:16:58 AM	9	-4	
8:22:59 AM	8	8:31:58 AM	8	0	
8:37:59 AM	8	8:46:58 AM	8	0	
8:52:59 AM	7	9:01:58 AM	8	1	
9:07:59 AM	7	9:16:58 AM	8	1	
9:22:59 AM	8	9:31:58 AM	8	0	
9:37:59 AM	8	9:46:58 AM	8	0	
9:52:59 AM	8	10:01:58 AM	7	-1	
10:07:59 AM	8	10:16:58 AM	9	1	
10:22:59 AM	7	10:31:58 AM	10	3	
10:37:59 AM	7	10:46:58 AM	10	3	
10:52:59 AM	8	11:01:58 AM	9	1	
11:07:59 AM	20	11:16:58 AM	12	-8	
11:22:59 AM	10	11:31:58 AM	11	1	
11:37:59 AM	10	11:46:58 AM	9	-1	
11:52:59 AM	10	12:01:58 PM	9	-1	
12:07:59 PM	16				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/9/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:42:23 AM	9	6:52:17 AM	11	2	
6:57:23 AM	9	7:07:17 AM	20	11	
7:12:23 AM	10	7:22:17 AM	15	5	
7:27:23 AM	12	7:37:17 AM	17	5	
7:42:23 AM	12	7:52:17 AM	17	5	
7:57:23 AM	12	8:07:17 AM	20	8	
8:12:23 AM	10	8:22:17 AM	12	2	
8:27:23 AM	9	8:37:17 AM	10	1	
8:42:23 AM	8	8:52:17 AM	10	2	
8:57:23 AM	57	9:07:17 AM	10	-47	
9:12:23 AM	11	9:22:17 AM	10	-1	
9:27:23 AM	9	9:37:17 AM	10	1	
9:42:23 AM	9	9:52:17 AM	11	2	
9:57:23 AM	9	10:07:17 AM	10	1	
10:12:23 AM	10	10:22:17 AM	9	-1	
10:27:23 AM	16	10:37:17 AM	9	-7	
10:42:23 AM	10	10:52:17 AM	9	-1	
10:57:23 AM	10	11:07:17 AM	9	-1	
11:12:23 AM	10	11:22:17 AM	9	-1	
11:27:23 AM	10	11:37:17 AM	9	-1	
11:42:23 AM	11	11:52:17 AM	9	-2	
11:57:23 AM	13	12:07:17 PM	9	-4	
12:12:23 PM	10	12:22:17 PM	10	0	
12:27:23 PM	10	12:37:17 PM	9	-1	
12:42:23 PM	10	12:52:17 PM	8	-2	
12:57:23 PM	9	1:07:17 PM	8	-1	
1:12:23 PM	9	1:22:17 PM	8	-1	
1:27:23 PM	9	1:37:17 PM	8	-1	
1:42:23 PM	10	1:52:17 PM	8	-2	
1:57:23 PM	10	2:07:17 PM	8	-2	
2:12:23 PM	9	2:22:17 PM	9	0	
2:27:23 PM	10				
2:42:23 PM	10				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/10/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:54:39 AM	14	7:03:03 AM	16	2	
7:09:39 AM	14	7:18:03 AM	17	3	
7:24:39 AM	16	7:33:03 AM	25	9	
7:39:39 AM	16	7:48:03 AM	22	6	
7:54:39 AM	16	8:03:03 AM	20	4	
8:09:39 AM	15	8:18:03 AM	16	1	
8:24:39 AM	17	8:33:03 AM	18	1	
8:39:39 AM	18	8:48:03 AM	15	-3	
8:54:39 AM	16	9:03:03 AM	12	-4	
9:09:39 AM	11	9:18:03 AM	10	-1	
9:24:39 AM	11	9:33:03 AM	12	1	
9:39:39 AM	10	9:48:03 AM	9	-1	
9:54:39 AM	12	10:03:03 AM	9	-3	
10:09:39 AM	9	10:18:03 AM	10	1	
10:24:39 AM	9	10:33:03 AM	11	2	
10:39:39 AM	10	10:58:32 AM	28	18	Moved downwind station for vehicle to go past
10:54:39 AM	12	11:13:32 AM	10	-2	
11:09:39 AM	9	11:28:32 AM	7	-2	
11:24:39 AM	10	11:43:32 AM	9	-1	
11:39:39 AM	10	11:58:32 AM	9	-1	
11:54:39 AM	20	12:13:32 PM	7	-13	
12:09:39 PM	11	12:28:32 PM	8	-3	
12:24:39 PM	8	12:43:32 PM	10	2	
12:39:39 PM	12	12:58:32 PM	7	-5	
12:54:39 PM	9	1:13:32 PM	6	-3	
1:09:39 PM	11	1:28:32 PM	8	-3	
1:24:39 PM	14	1:43:32 PM	7	-7	
1:39:39 PM	8	1:58:32 PM	6	-2	
1:54:39 PM	8				
2:09:39 PM	13				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/11/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
		6:53:21 AM	14	14	Upwind dusttrak station did not charge overnight
		7:08:21 AM	20	20	
		7:23:21 AM	16	16	
		7:38:21 AM	17	17	
		7:53:21 AM	15	15	
		8:08:21 AM	14	14	
		8:23:21 AM	14	14	
		8:38:21 AM	19	19	
		8:53:21 AM	15	15	
		9:08:21 AM	16	16	
		9:23:21 AM	13	13	
		9:38:21 AM	15	15	
		9:53:21 AM	17	17	
		10:08:21 AM	17	17	
		10:23:21 AM	19	19	
		10:38:21 AM	19	19	Upwind dusttrak station enabled
10:53:05 AM	15	10:53:21 AM	17	2	
11:08:05 AM	15	11:08:21 AM	16	1	
11:23:05 AM	14	11:23:21 AM	23	9	
11:38:05 AM	16	11:38:21 AM	22	6	
11:53:05 AM	19	11:53:21 AM	21	2	
12:08:05 PM	23	12:08:21 PM	26	3	
12:23:05 PM	22	12:23:21 PM	25	3	
12:38:05 PM	23	12:38:21 PM	25	2	
12:53:05 PM	25	12:53:21 PM	23	-2	
1:08:05 PM	26	1:08:21 PM	26	0	
1:23:05 PM	24	1:23:21 PM	23	-1	
1:38:05 PM	26	1:38:21 PM	27	1	
1:53:05 PM	18	1:53:21 PM	26	8	
2:08:05 PM	16	2:08:21 PM	20	4	
2:23:05 PM	16				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/12/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:55:04 AM	60	7:00:48 AM	62	2	
7:10:04 AM	67	7:15:48 AM	57	-10	
7:25:04 AM	65	7:30:48 AM	54	-11	
7:40:04 AM	67	7:45:48 AM	53	-14	
7:55:04 AM	62	8:00:48 AM	54	-8	
8:10:04 AM	60	8:15:48 AM	51	-9	
8:25:04 AM	60	8:30:48 AM	51	-9	
8:40:04 AM	69	8:45:48 AM	55	-14	
8:55:04 AM	66	9:00:48 AM	54	-12	
9:10:04 AM	59	9:15:48 AM	54	-5	
9:25:04 AM	64	9:30:48 AM	54	-10	
9:40:04 AM	61	9:45:48 AM	48	-13	
9:55:04 AM	46	10:00:48 AM	37	-9	
10:10:04 AM	35	10:15:48 AM	31	-4	Downwind dustrak battery died
10:25:04 AM	33			-33	
10:40:04 AM	34			-34	
10:55:04 AM	32			-32	
11:10:04 AM	31			-31	
11:25:04 AM	30			-30	
11:40:04 AM	31			-31	
11:55:04 AM	37			-37	
12:10:04 PM	30			-30	
12:25:04 PM	27			-27	
12:40:04 PM	28			-28	
12:55:04 PM	27			-27	
1:10:04 PM	29			-29	
1:25:04 PM	44			-44	
1:40:04 PM	41			-41	
1:55:04 PM	26			-26	
2:10:04 PM	35			-35	Demobed upwind dustrak due to precipitation

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/13/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
		6:58:25 AM	8	8	Upwind dusttrak did not charge overnight
		7:13:25 AM	8	8	
		7:28:25 AM	8	8	
		7:43:25 AM	8	8	
		7:58:25 AM	8	8	
		8:13:25 AM	8	8	
		8:28:25 AM	8	8	
		8:43:25 AM	9	9	
		8:58:25 AM	9	9	
		9:13:25 AM	7	7	
		9:28:25 AM	7	7	
		9:43:25 AM	8	8	
		9:58:25 AM	7	7	
		10:13:25 AM	8	8	
		10:28:25 AM	11	11	
		10:43:25 AM	10	10	
		10:58:25 AM	10	10	
		11:13:25 AM	12	12	
		11:28:25 AM	9	9	
		11:43:25 AM	9	9	
12:01:37 PM	6	11:58:25 AM	12	6	Upwind dusttrak monitoring enabled
12:16:37 PM	5	12:13:25 PM	11	6	
12:31:37 PM	6	12:28:25 PM	10	4	
12:46:37 PM	5	12:43:25 PM	10	5	
1:01:37 PM	4	12:58:25 PM	8	4	
1:16:37 PM	5	1:13:25 PM	9	4	
1:31:37 PM	6	1:28:25 PM	8	2	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/16/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
		6:56:58 AM	24	24	Upwind DustTrak did not charge overnight
		7:11:58 AM	28	28	
		7:26:58 AM	46	46	
		7:41:58 AM	28	28	
		7:56:58 AM	36	36	
		8:11:58 AM	21	21	
		8:26:58 AM	37	37	
		8:41:58 AM	22	22	
		8:56:58 AM	19	19	
		9:11:58 AM	20	20	
		9:26:58 AM	22	22	
		9:41:58 AM	23	23	
		9:56:58 AM	27	27	
10:11:13 AM	17	10:11:58 AM	25	8	Upwind dusttrak monitoring enabled
10:26:13 AM	16	10:26:58 AM	14	-2	
10:41:13 AM	15	10:41:58 AM	15	0	
10:56:13 AM	15	10:56:58 AM	17	2	
11:11:13 AM	15	11:11:58 AM	16	1	
11:26:13 AM	15	11:26:58 AM	15	0	
11:41:13 AM	15	11:41:58 AM	15	0	
11:56:13 AM	18	11:56:58 AM	18	0	
12:11:13 PM	19	12:11:58 PM	18	-1	
12:26:13 PM	16	12:26:58 PM	19	3	
12:41:13 PM	16	12:41:58 PM	17	1	
12:56:13 PM	17	12:56:58 PM	17	0	
1:11:13 PM	20	1:11:58 PM	36	16	
1:26:13 PM	20	1:26:58 PM	29	9	
1:41:13 PM	22	1:41:58 PM	29	7	
1:56:13 PM	21	1:56:58 PM	99	78	
2:11:13 PM	25	2:11:58 PM	21	-4	
2:26:13 PM	24	2:26:58 PM	20	-4	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/17/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:59:46 AM	12	7:08:14 AM	12	0	
7:14:46 AM	12	7:23:14 AM	14	2	
7:29:46 AM	14	7:38:14 AM	21	7	
7:44:46 AM	13	7:53:14 AM	16	3	
7:59:46 AM	13	8:08:14 AM	15	2	
8:14:46 AM	11	8:23:14 AM	22	11	
8:29:46 AM	13	8:38:14 AM	14	1	
8:44:46 AM	13	8:53:14 AM	16	3	
8:59:46 AM	11	9:08:14 AM	13	2	
9:14:46 AM	15	9:23:14 AM	10	-5	
9:29:46 AM	9	9:38:14 AM	11	2	
9:44:46 AM	14	9:53:14 AM	15	1	
9:59:46 AM	13	10:08:14 AM	12	-1	
10:14:46 AM	9	10:23:14 AM	14	5	
10:29:46 AM	9	10:38:14 AM	9	0	
10:44:46 AM	11	10:53:14 AM	8	-3	
10:59:46 AM	11	11:08:14 AM	8	-3	
11:14:46 AM	13	11:23:14 AM	16	3	
11:29:46 AM	11	11:38:14 AM	10	-1	
11:44:46 AM	9	11:53:14 AM	15	6	
11:59:46 AM	24	12:08:14 PM	7	-17	
12:14:46 PM	10	12:23:14 PM	7	-3	
12:29:46 PM	10	12:38:14 PM	8	-2	
12:44:46 PM	13	12:53:14 PM	8	-5	
12:59:46 PM	13	1:08:14 PM	15	2	
1:14:46 PM	13	1:23:14 PM	8	-5	
1:29:46 PM	10	1:38:14 PM	7	-3	
1:44:46 PM	10	1:53:14 PM	7	-3	
1:59:46 PM	11	2:08:14 PM	11	0	
2:14:46 PM	14	2:23:14 PM	7	-7	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/18/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:53:15 AM	13	7:02:31 AM	16	3	
7:08:15 AM	15	7:17:31 AM	19	4	
7:23:15 AM	16	7:32:31 AM	19	3	
7:38:15 AM	12	7:47:31 AM	15	3	
7:53:15 AM	11	8:02:31 AM	14	3	
8:08:15 AM	10	8:17:31 AM	13	3	
8:23:15 AM	11	8:32:31 AM	12	1	
8:38:15 AM	13	8:47:31 AM	13	0	
8:53:15 AM	10	9:02:31 AM	13	3	
9:08:15 AM	7	9:17:31 AM	8	1	
9:23:15 AM	8	9:32:31 AM	13	5	
9:38:15 AM	8	9:47:31 AM	12	4	
9:53:15 AM	8	10:02:31 AM	10	2	
10:08:15 AM	8	10:17:31 AM	10	2	
10:23:15 AM	8	10:32:31 AM	9	1	
10:38:15 AM	7	10:47:31 AM	10	3	
10:53:15 AM	9	11:02:31 AM	12	3	
11:08:15 AM	9	11:17:31 AM	20	11	
11:23:15 AM	8	11:32:31 AM	9	1	
11:38:15 AM	8	11:47:31 AM	10	2	
11:53:15 AM	9	12:02:31 PM	8	-1	
12:08:15 PM	8	12:17:31 PM	10	2	
12:23:15 PM	8	12:32:31 PM	9	1	
12:38:15 PM	8	12:47:31 PM	10	2	
12:53:15 PM	9	1:02:31 PM	11	2	
1:08:15 PM	10	1:17:31 PM	11	1	
1:23:15 PM	12	1:32:31 PM	10	-2	
1:38:15 PM	10	1:47:31 PM	9	-1	
1:53:15 PM	9	2:02:31 PM	32	23	
2:08:15 PM	10	2:17:31 PM	8	-2	
2:23:15 PM	11				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/19/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:55:28 AM	15	7:02:08 AM	16	1	
7:10:28 AM	21	7:17:08 AM	16	-5	
7:25:28 AM	23	7:32:08 AM	19	-4	
7:40:28 AM	18	7:47:08 AM	13	-5	
7:55:28 AM	13	8:02:08 AM	11	-2	
8:10:28 AM	13	8:17:08 AM	11	-2	
8:25:28 AM	20	8:32:08 AM	11	-9	
8:40:28 AM	17	8:47:08 AM	10	-7	
8:55:28 AM	12	9:02:08 AM	11	-1	
9:10:28 AM	30	9:17:08 AM	14	-16	
9:25:28 AM	38	9:32:08 AM	16	-22	
9:40:28 AM	55	9:47:08 AM	15	-40	
9:55:28 AM	9	10:02:08 AM	13	4	
10:10:28 AM	12	10:17:08 AM	17	5	
10:25:28 AM	45	10:32:08 AM	11	-34	
10:40:28 AM	17	10:47:08 AM	12	-5	
10:55:28 AM	9	11:02:08 AM	10	1	
11:10:28 AM	9	11:17:08 AM	9	0	
11:25:28 AM	8	11:32:08 AM	11	3	
11:40:28 AM	8	11:47:08 AM	10	2	
11:55:28 AM	14	12:02:08 PM	9	-5	
12:10:28 PM	9	12:17:08 PM	9	0	
12:25:28 PM	8	12:32:08 PM	11	3	
12:40:28 PM	9	12:47:08 PM	14	5	
12:55:28 PM	10	1:02:08 PM	12	2	
1:10:28 PM	11	1:17:08 PM	16	5	
1:25:28 PM	18	1:32:08 PM	24	6	
1:40:28 PM	15	1:47:08 PM	14	-1	
1:55:28 PM	14	2:02:08 PM	14	0	
2:10:28 PM	11	2:17:08 PM	13	2	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/20/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:44:44 AM	17	6:49:06 AM	19	2	
6:59:44 AM	18	7:04:06 AM	19	1	
7:14:44 AM	21	7:19:06 AM	20	-1	
7:29:44 AM	19	7:34:06 AM	20	1	
7:44:44 AM	28	7:49:06 AM	20	-8	
7:59:44 AM	22	8:04:06 AM	23	1	
8:14:44 AM	22	8:19:06 AM	24	2	
8:29:44 AM	24	8:34:06 AM	24	0	
8:44:44 AM	25	8:49:06 AM	29	4	
8:59:44 AM	24	9:04:06 AM	28	4	
9:14:44 AM	26	9:19:06 AM	29	3	
9:29:44 AM	26	9:34:06 AM	31	5	
9:44:44 AM	26	9:49:06 AM	30	4	
9:59:44 AM	25	10:04:06 AM	43	18	
10:14:44 AM	24	10:19:06 AM	30	6	
10:29:44 AM	22	10:34:06 AM	25	3	
10:44:44 AM	21	10:49:06 AM	25	4	
10:59:44 AM	20	11:04:06 AM	24	4	
11:14:44 AM	20				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/23/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530113613

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:55:09 AM	33	6:48:35 AM	30	-3	
7:10:09 AM	31	7:03:35 AM	34	3	
7:25:09 AM	32	7:18:35 AM	36	4	
7:40:09 AM	29	7:33:35 AM	37	8	
7:55:09 AM	28	7:48:35 AM	131	103	Excavator was clearing area for parking.
8:10:09 AM	31	8:03:35 AM	85	54	
8:25:09 AM	33	8:18:35 AM	84	51	
8:40:09 AM	28	8:33:35 AM	37	9	
8:55:09 AM	27	8:48:35 AM	49	22	
9:10:09 AM	26	9:03:35 AM	31	5	
9:25:09 AM	27	9:18:35 AM	80	53	
9:40:09 AM	31	9:33:35 AM	85	54	
9:55:09 AM	30	9:48:35 AM	38	8	
10:10:09 AM	28	10:03:35 AM	32	4	
10:25:09 AM	30	10:18:35 AM	32	2	
10:40:09 AM	30	10:33:35 AM	33	3	
10:55:09 AM	32	10:48:35 AM	39	7	
11:10:09 AM	32	11:03:35 AM	67	35	
11:25:09 AM	34	11:18:35 AM	115	81	
11:40:09 AM	32	11:33:35 AM	58	26	
11:55:09 AM	37	11:48:35 AM	34	-3	
12:10:09 PM	35	12:03:35 PM	33	-2	
12:25:09 PM	35	12:18:35 PM	40	5	
12:40:09 PM	34	12:33:35 PM	34	0	
12:55:09 PM	35	12:48:35 PM	35	0	
1:10:09 PM	36	1:03:35 PM	40	4	
1:25:09 PM	47	1:18:35 PM	41	-6	
1:40:09 PM	42	1:33:35 PM	54	12	
1:55:09 PM	37	1:48:35 PM	45	8	
2:10:09 PM	38	2:03:35 PM	40	2	
2:25:09 PM	36	2:18:35 PM	40	4	
2:40:09 PM	34	12:00:00 AM	0	-34	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/24/2019

Upwind Serial Number 8530113613
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
6:58:11 AM	10	7:52:07 AM	15	5	
7:13:11 AM	10	8:07:07 AM	15	5	
7:28:11 AM	11	8:22:07 AM	15	4	
7:43:11 AM	11	8:37:07 AM	13	2	
7:58:11 AM	11	8:52:07 AM	14	3	
8:13:11 AM	12	9:07:07 AM	14	2	
8:28:11 AM	10	9:22:07 AM	12	2	
8:43:11 AM	9	9:37:07 AM	10	1	
8:58:11 AM	8	9:52:07 AM	10	2	
9:13:11 AM	8	10:07:07 AM	10	2	
9:28:11 AM	12	10:22:07 AM	8	-4	
9:43:11 AM	32	10:37:07 AM	7	-25	
9:58:11 AM	7	10:52:07 AM	7	0	
10:13:11 AM	6	11:07:07 AM	8	2	
10:28:11 AM	6	11:22:07 AM	8	2	
10:43:11 AM	6	11:37:07 AM	10	4	
10:58:11 AM	6	11:52:07 AM	10	4	
11:13:11 AM	7	12:07:07 PM	11	4	
11:28:11 AM	7	12:22:07 PM	11	4	
11:43:11 AM	6	12:37:07 PM	9	3	
11:58:11 AM	6	12:52:07 PM	10	4	
12:13:11 PM	7	1:07:07 PM	10	3	
12:28:11 PM	8	1:22:07 PM	10	2	
12:43:11 PM	6	1:37:07 PM	10	4	
12:58:11 PM	6	1:52:07 PM	8	2	
1:13:11 PM	5	2:07:07 PM	9	4	
1:28:11 PM	5	2:22:07 PM	8	3	
1:43:11 PM	5	2:37:07 PM	9	4	
1:58:11 PM	6	2:52:07 PM	11	5	
2:13:11 PM	5	3:07:07 PM	12	7	
2:28:11 PM	6				

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/25/2019

Upwind Serial Number 8530173316
 Downwind Serial Number 8530103306

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:01:55 AM	13	6:57:43 AM	22	9	
7:16:55 AM	11	7:12:43 AM	16	5	
7:31:55 AM	16	7:27:43 AM	15	-1	
7:46:55 AM	13	7:42:43 AM	13	0	
8:01:55 AM	12	7:57:43 AM	14	2	
8:16:55 AM	14	8:12:43 AM	15	1	
8:31:55 AM	14	8:27:43 AM	16	2	
8:46:55 AM	14	8:42:43 AM	17	3	
9:01:55 AM	14	8:57:43 AM	17	3	
9:16:55 AM	13	9:12:43 AM	14	1	
9:31:55 AM	20	9:27:43 AM	14	-6	
9:46:55 AM	14	9:42:43 AM	14	0	
10:01:55 AM	13	9:57:43 AM	13	0	
10:16:55 AM	14	10:12:43 AM	14	0	
10:31:55 AM	16	10:27:43 AM	18	2	
10:46:55 AM	16	10:42:43 AM	17	1	
11:01:55 AM	21	10:57:43 AM	16	-5	
11:16:55 AM	14	11:12:43 AM	15	1	
11:31:55 AM	13	11:27:43 AM	16	3	
11:46:55 AM	14	11:42:43 AM	14	0	
12:01:55 PM	12	11:57:43 AM	13	1	Downwind Dustrack was replaced for data download
12:16:55 PM	13				
12:31:55 PM	14				
12:46:55 PM	17	12:42:03 PM	11	-6	
1:01:55 PM	17	12:57:03 PM	-1	-18	
1:16:55 PM	13	1:12:03 PM	-4	-17	
1:31:55 PM	13	1:27:03 PM	-6	-19	
1:46:55 PM	13	1:42:03 PM	-8	-21	
2:01:55 PM	13	1:57:03 PM	-8	-21	
2:16:55 PM	12	2:12:03 PM	-9	-21	
2:31:55 PM	15	2:27:03 PM	-9	-24	
		2:42:03 PM	-9	-9	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/26/2019

Upwind Serial Number 8530103306
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:33:14 AM	0	7:35:49 AM	12	12	
7:48:14 AM	2	7:50:49 AM	11	9	
8:03:14 AM	4	8:05:49 AM	15	11	
8:18:14 AM	4	8:20:49 AM	18	14	
8:33:14 AM	6	8:35:49 AM	12	6	
8:48:14 AM	4	8:50:49 AM	12	8	
9:03:14 AM	71	9:05:49 AM	13	-58	
9:18:14 AM	47	9:20:49 AM	13	-34	
9:33:14 AM	81	9:35:49 AM	14	-67	
9:48:14 AM	51	9:50:49 AM	13	-38	
10:03:14 AM	39	10:05:49 AM	14	-25	
10:18:14 AM	26	10:20:49 AM	13	-13	
10:33:14 AM	19	10:35:49 AM	12	-7	
10:48:14 AM	9	10:50:49 AM	11	2	
11:03:14 AM	7	11:05:49 AM	12	5	
11:18:14 AM	2	11:20:49 AM	13	11	
11:33:14 AM	0	11:35:49 AM	13	13	
11:48:14 AM	4	11:50:49 AM	15	11	
12:03:14 PM	3	12:05:49 PM	16	13	
12:18:14 PM	7	12:20:49 PM	18	11	
12:33:14 PM	8	12:35:49 PM	17	9	
12:48:14 PM	9	12:50:49 PM	17	8	
1:03:14 PM	10	1:05:49 PM	18	8	
1:18:14 PM	9	1:20:49 PM	20	11	
1:33:14 PM	11	1:35:49 PM	22	11	
1:48:14 PM	13	1:50:49 PM	21	8	
2:03:14 PM	11	2:05:49 PM	18	7	
2:18:14 PM	8	2:20:49 PM	15	7	
2:33:14 PM	12	2:35:49 PM	16	4	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/27/2019

Upwind Serial Number 8530103306
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:32:36 AM	24	7:31:53 AM	35	11	
7:47:36 AM	23	7:46:53 AM	37	14	
8:02:36 AM	22	8:01:53 AM	30	8	
8:17:36 AM	21	8:16:53 AM	30	9	
8:32:36 AM	18	8:31:53 AM	22	4	
8:47:36 AM	19	8:46:53 AM	35	16	
9:02:36 AM	19	9:01:53 AM	27	8	
9:17:36 AM	18	9:16:53 AM	32	14	
9:32:36 AM	18	9:31:53 AM	16	-2	
9:47:36 AM	20	9:46:53 AM	19	-1	
10:02:36 AM	21	10:01:53 AM	24	3	
10:17:36 AM	21	10:16:53 AM	22	1	
10:32:36 AM	22	10:31:53 AM	21	-1	
10:47:36 AM	21	10:46:53 AM	22	1	
11:02:36 AM	22	11:01:53 AM	28	6	
11:17:36 AM	24	11:16:53 AM	32	8	
11:32:36 AM	23	11:31:53 AM	38	15	
11:47:36 AM	24	11:46:53 AM	29	5	
12:02:36 PM	25	12:01:53 PM	25	0	
12:17:36 PM	26	12:16:53 PM	25	-1	
12:32:36 PM	26	12:31:53 PM	26	0	
12:47:36 PM	27	12:46:53 PM	32	5	
1:02:36 PM	26	1:01:53 PM	40	14	
1:17:36 PM	29	1:16:53 PM	53	24	
1:32:36 PM	28	1:31:53 PM	36	8	
1:47:36 PM	27	1:46:53 PM	31	4	
2:02:36 PM	28	2:01:53 PM	66	38	
2:17:36 PM	24	2:16:53 PM	66	42	
2:32:36 PM	25	2:31:53 PM	52	27	

CA RICH Consultants
Community Air Monitoring Program - DUST (PM-10)

Project: Far Rockaway
 Location: 20-02 Mott Avenue
 Date: 9/30/2019

Upwind Serial Number 8530103306
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:29:04 AM	9	7:28:42 AM	9	0	
7:44:04 AM	2	7:43:42 AM	7	5	
7:59:04 AM	2	7:58:42 AM	8	6	
8:14:04 AM	2	8:13:42 AM	10	8	
8:29:04 AM	3	8:28:42 AM	10	7	
8:44:04 AM	3	8:43:42 AM	7	4	
8:59:04 AM	3	8:58:42 AM	10	7	
9:14:04 AM	2	9:13:42 AM	8	6	
9:29:04 AM	1	9:28:42 AM	9	8	
9:44:04 AM	2	9:43:42 AM	10	8	
9:59:04 AM	2	9:58:42 AM	14	12	
10:14:04 AM	1	10:13:42 AM	12	11	
10:29:04 AM	1	10:28:42 AM	11	10	
10:44:04 AM	1	10:43:42 AM	11	10	
10:59:04 AM	3	10:58:42 AM	11	8	
11:14:04 AM	2	11:13:42 AM	10	8	
11:29:04 AM	0	11:28:42 AM	9	9	
11:44:04 AM	4	11:43:42 AM	9	5	
11:59:04 AM	11	11:58:42 AM	8	-3	
12:14:04 PM	26	12:13:42 PM	7	-19	
12:29:04 PM	22	12:28:42 PM	9	-13	
12:44:04 PM	18	12:43:42 PM	11	-7	
12:59:04 PM	14	12:58:42 PM	13	-1	
1:14:04 PM	13	1:13:42 PM	17	4	
1:29:04 PM	11	1:28:42 PM	15	4	
1:44:04 PM	8	1:43:42 PM	14	6	
1:59:04 PM	4	1:58:42 PM	16	12	
2:14:04 PM	6	2:13:42 PM	18	12	
2:29:04 PM	8	2:28:42 PM	15	7	