



December 6, 2019

**NYSDEC**  
**Division of Environmental Remediation**  
47-40-21<sup>st</sup> Street  
Long Island City, NY 11101

Attn: Christopher Allan  
Environmental Engineer

Re: **Monthly Progress Report – November 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 November 1, 2019 to November 30, 2019.

**The following activities occurred In November 2019:**

1. Site Activities
  - Grading of soils and installation of building footings.
  - Installation of construction vapor barrier
  - Support of excavation activities
  - Excavation and disposal of soils. 41 Loads of soil were removed and transported to Blue Water Environmental in Island Park, NY for disposal.
  - 3 truckloads of #67 stone were imported to the site from the Tilcon facility in West Nyack, New York.
2. Reporting Activities
  - Daily reports have been submitted in accordance with the RAWP.
3. Sampling Activities
  - No sampling has occurred.
4. Notable deviations
  - No dust monitoring occurred on 11/12 due to rainy site conditions
5. Other activities
  - None

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

- Complete Building B concrete slab and sidewalls, then backfill and begin super structure.
- Continue with excavation for footings, and elevator pit in Building C.
- Continue trucking soil from Building C if needed.
- Begin waterproofing, backfilling behind sidewalls, finish up sidewalls, and pouring concrete mat slabs in Building C.

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)  
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: 11/1/2019

Upwind Serial Number 8530173316  
 Downwind Serial Number 8530172413

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:28:25 AM	3	7:24:26 AM	24	21	
7:43:25 AM	1	7:39:26 AM	23	22	
7:58:25 AM	1	7:54:26 AM	22	21	
8:13:25 AM	1	8:09:26 AM	21	20	
8:28:25 AM	1	8:24:26 AM	18	17	
8:43:25 AM	1	8:39:26 AM	19	18	
8:58:25 AM	5	8:54:26 AM	19	14	
9:13:25 AM	3	9:09:26 AM	18	15	
9:28:25 AM	4	9:24:26 AM	18	14	
9:43:25 AM	3	9:39:26 AM	20	17	
9:58:25 AM	3	9:54:26 AM	21	18	
10:13:25 AM	2	10:09:26 AM	21	19	
10:28:25 AM	2	10:24:26 AM	22	20	
10:43:25 AM	2	10:39:26 AM	21	19	
10:58:25 AM	4	10:54:26 AM	22	18	
11:13:25 AM	3	11:09:26 AM	24	21	
11:28:25 AM	4	11:24:26 AM	23	19	
11:43:25 AM	4	11:39:26 AM	24	20	
11:58:25 AM	5	11:54:26 AM	25	20	
12:13:25 PM	4	12:09:26 PM	26	22	
12:28:25 PM	4	12:24:26 PM	26	22	
12:43:25 PM	8	12:39:26 PM	27	19	
12:58:25 PM	5	12:54:26 PM	26	21	
1:13:25 PM	9	1:09:26 PM	29	20	
1:28:25 PM	12	1:24:26 PM	28	16	
1:43:25 PM	9	1:39:26 PM	27	18	
1:58:25 PM	7	1:54:26 PM	28	21	
2:13:25 PM	5	2:09:26 PM	24	19	
2:28:25 PM	4	2:24:26 PM	25	21	
2:43:25 PM	5	2:41:27 PM	39	34	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/4/2019

Upwind Serial Number 8530173316  
 Downwind Serial Number 8530172413

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:27:09 AM	8	7:33:30 AM	13	5	
7:42:09 AM	5	7:48:30 AM	19	14	
7:57:09 AM	6	8:03:30 AM	29	23	
8:12:09 AM	6	8:18:30 AM	24	18	
8:27:09 AM	6	8:33:30 AM	16	10	
8:42:09 AM	5	8:48:30 AM	25	20	
8:57:09 AM	5	9:03:30 AM	24	19	
9:12:09 AM	7	9:18:30 AM	12	5	
9:27:09 AM	7	9:33:30 AM	15	8	
9:42:09 AM	7	9:48:30 AM	12	5	
9:57:09 AM	8	10:03:30 AM	10	2	
10:12:09 AM	8	10:18:30 AM	15	7	
10:27:09 AM	8	10:33:30 AM	14	6	
10:42:09 AM	7	10:48:30 AM	16	9	
10:57:09 AM	6	11:03:30 AM	14	8	
11:12:09 AM	10	11:18:30 AM	24	14	
11:27:09 AM	8	11:33:30 AM	19	11	
11:42:09 AM	8	11:48:30 AM	24	16	
11:57:09 AM	7	12:03:30 PM	29	22	
12:12:09 PM	9	12:18:30 PM	31	22	
12:27:09 PM	8	12:33:30 PM	28	20	
12:42:09 PM	12	12:48:30 PM	26	14	
12:57:09 PM	11	1:03:30 PM	19	8	
1:12:09 PM	13	1:18:30 PM	22	9	
1:27:09 PM	18	1:33:30 PM	28	10	
1:42:09 PM	22	1:48:30 PM	33	11	
1:57:09 PM	19	2:03:30 PM	30	11	
2:12:09 PM	15	2:18:30 PM	25	10	
2:27:09 PM	16	2:33:30 PM	22	6	
2:42:09 PM	14	2:48:30 PM	23	9	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/5/2019

Upwind Serial Number 8530173316  
 Downwind Serial Number 8530172413

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:29:36 AM	34	7:28:51 AM	31	-3	
7:44:36 AM	25	7:43:51 AM	25	0	
7:59:36 AM	23	7:58:51 AM	25	2	
8:14:36 AM	32	8:13:51 AM	25	-7	
8:29:36 AM	27	8:28:51 AM	26	-1	
8:44:36 AM	22	8:43:51 AM	27	5	
8:59:36 AM	22	8:58:51 AM	27	5	
9:14:36 AM	22	9:13:51 AM	27	5	
9:29:36 AM	25	9:28:51 AM	31	6	
9:44:36 AM	25	9:43:51 AM	39	14	
9:59:36 AM	26	9:58:51 AM	46	20	
10:14:36 AM	25	10:13:51 AM	39	14	
10:29:36 AM	27	10:28:51 AM	39	12	
10:44:36 AM	29	10:43:51 AM	38	9	
10:59:36 AM	33	10:58:51 AM	38	5	
11:14:36 AM	34	11:13:51 AM	39	5	
11:29:36 AM	32	11:28:51 AM	43	11	
11:44:36 AM	33	11:43:51 AM	38	5	
11:59:36 AM	34	11:58:51 AM	35	1	
12:14:36 PM	34	12:13:51 PM	32	-2	
12:29:36 PM	38	12:28:51 PM	30	-8	
12:44:36 PM	34	12:43:51 PM	37	3	
12:59:36 PM	33	12:58:51 PM	32	-1	
1:14:36 PM	29	1:13:51 PM	36	7	
1:29:36 PM	26	1:28:51 PM	39	13	
1:44:36 PM	30	1:43:51 PM	31	1	
1:59:36 PM	33	1:58:51 PM	28	-5	
2:14:36 PM	31	2:13:51 PM	33	2	
2:29:36 PM	28	2:28:51 PM	34	6	
2:44:36 PM	24	2:43:51 PM	36	12	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/6/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:32:34 AM	14	7:37:47 AM	26	12	
7:47:34 AM	15	7:52:47 AM	21	6	
8:02:34 AM	16	8:07:47 AM	20	4	
8:17:34 AM	12	8:22:47 AM	22	10	
8:32:34 AM	13	8:37:47 AM	22	9	
8:47:34 AM	13	8:52:47 AM	24	11	
9:02:34 AM	14	9:07:47 AM	22	8	
9:17:34 AM	13	9:22:47 AM	20	7	
9:32:34 AM	13	9:37:47 AM	20	7	
9:47:34 AM	13	9:52:47 AM	19	6	
10:02:34 AM	16	10:07:47 AM	22	6	
10:17:34 AM	17	10:22:47 AM	21	4	
10:32:34 AM	19	10:37:47 AM	20	1	
10:47:34 AM	17	10:52:47 AM	29	12	
11:02:34 AM	16	11:07:47 AM	17	1	
11:17:34 AM	18	11:22:47 AM	20	2	
11:32:34 AM	22	11:37:47 AM	16	-6	
11:47:34 AM	18	11:52:47 AM	15	-3	
12:02:34 PM	18	12:07:47 PM	17	-1	
12:17:34 PM	15	12:22:47 PM	17	2	
12:32:34 PM	14	12:37:47 PM	20	6	
12:47:34 PM	17	12:52:47 PM	23	6	
1:02:34 PM	16	1:07:47 PM	22	6	
1:17:34 PM	15	1:22:47 PM	25	10	
1:32:34 PM	15	1:37:47 PM	19	4	
1:47:34 PM	15	1:52:47 PM	17	2	
2:02:34 PM	16	2:07:47 PM	19	3	
2:17:34 PM	17	2:22:47 PM	22	5	
2:32:34 PM	20	2:37:47 PM	26	6	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/7/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:33:06 AM	3	7:32:33 AM	23	20	
7:48:06 AM	0	7:47:33 AM	23	23	
8:03:06 AM	0	8:02:33 AM	23	23	
8:18:06 AM	1	8:17:33 AM	24	23	
8:33:06 AM	1	8:32:33 AM	22	21	
8:48:06 AM	6	8:47:33 AM	23	17	
9:03:06 AM	3	9:02:33 AM	24	21	
9:18:06 AM	5	9:17:33 AM	23	18	
9:33:06 AM	9	9:32:33 AM	23	14	
9:48:06 AM	7	9:47:33 AM	20	13	
10:03:06 AM	11	10:02:33 AM	18	7	
10:18:06 AM	13	10:17:33 AM	21	8	
10:33:06 AM	16	10:32:33 AM	20	4	
10:48:06 AM	17	10:47:33 AM	26	9	
11:03:06 AM	14	11:02:33 AM	18	4	
11:18:06 AM	18	11:17:33 AM	16	-2	
11:33:06 AM	16	11:32:33 AM	17	1	
11:48:06 AM	14	11:47:33 AM	18	4	
12:03:06 PM	11	12:02:33 PM	24	13	
12:18:06 PM	9	12:17:33 PM	18	9	
12:33:06 PM	8	12:32:33 PM	19	11	
12:48:06 PM	9	12:47:33 PM	22	13	
1:03:06 PM	14	1:02:33 PM	20	6	
1:18:06 PM	15	1:17:33 PM	18	3	
1:33:06 PM	14	1:32:33 PM	23	9	
1:48:06 PM	17	1:47:33 PM	21	4	
2:03:06 PM	13	2:02:33 PM	22	9	
2:18:06 PM	11	2:17:33 PM	24	13	
2:33:06 PM	9	2:32:33 PM	21	12	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/8/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:34:55 AM	3	7:38:14 AM	7	4	
7:49:55 AM	2	7:53:14 AM	5	3	
8:04:55 AM	2	8:08:14 AM	5	3	
8:19:55 AM	2	8:23:14 AM	5	3	
8:34:55 AM	2	8:38:14 AM	8	6	
8:49:55 AM	5	8:53:14 AM	4	-1	
9:04:55 AM	3	9:08:14 AM	14	11	
9:19:55 AM	2	9:23:14 AM	5	3	
9:34:55 AM	2	9:38:14 AM	7	5	
9:49:55 AM	2	9:53:14 AM	5	3	
10:04:55 AM	1	10:08:14 AM	5	4	
10:19:55 AM	1	10:23:14 AM	4	3	
10:34:55 AM	5	10:38:14 AM	5	0	
10:49:55 AM	4	10:53:14 AM	4	0	
11:04:55 AM	8	11:08:14 AM	11	3	
11:19:55 AM	6	11:23:14 AM	8	2	
11:34:55 AM	3	11:38:14 AM	12	9	
11:49:55 AM	2	11:53:14 AM	8	6	
12:04:55 PM	1	12:08:14 PM	9	8	
12:19:55 PM	3	12:23:14 PM	11	8	
12:34:55 PM	5	12:38:14 PM	13	8	
12:49:55 PM	4	12:53:14 PM	11	7	
1:04:55 PM	7	1:08:14 PM	8	1	
1:19:55 PM	8	1:23:14 PM	9	1	
1:34:55 PM	6	1:38:14 PM	10	4	
1:49:55 PM	5	1:53:14 PM	12	7	
2:04:55 PM	8	2:08:14 PM	14	6	
2:19:55 PM	4	2:23:14 PM	13	9	
2:34:55 PM	3	2:38:14 PM	11	8	



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

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

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:30:26 AM	24	7:40:42 AM	38	14	
7:45:26 AM	19	7:55:42 AM	28	9	
8:00:26 AM	14	8:10:42 AM	29	15	
8:15:26 AM	16	8:25:42 AM	29	13	
8:30:26 AM	14	8:40:42 AM	27	13	
8:45:26 AM	13	8:55:42 AM	28	15	
9:00:26 AM	8	9:10:42 AM	31	23	
9:15:26 AM	6	9:25:42 AM	37	31	
9:30:26 AM	12	9:40:42 AM	40	28	
9:45:26 AM	18	9:55:42 AM	39	21	
10:00:26 AM	15	10:10:42 AM	34	19	
10:15:26 AM	22	10:25:42 AM	34	12	
10:30:26 AM	17	10:40:42 AM	33	16	
10:45:26 AM	13	10:55:42 AM	34	21	
11:00:26 AM	11	11:10:42 AM	34	23	
11:15:26 AM	18	11:25:42 AM	35	17	
11:30:26 AM	22	11:40:42 AM	36	14	
11:45:26 AM	19	11:55:42 AM	29	10	
12:00:26 PM	14	12:10:42 PM	31	17	
12:15:26 PM	13	12:25:42 PM	32	19	
12:30:26 PM	19	12:40:42 PM	28	9	
12:45:26 PM	22	12:55:42 PM	30	8	
1:00:26 PM	28	1:10:42 PM	32	4	
1:15:26 PM	24	1:25:42 PM	36	12	
1:30:26 PM	17	1:40:42 PM	37	20	
1:45:26 PM	16	1:55:42 PM	35	19	
2:00:26 PM	19	2:10:42 PM	31	12	
2:15:26 PM	15	2:25:42 PM	33	18	
2:30:26 PM	14	2:40:42 PM	32	18	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/12/2019

Upwind Serial Number 0  
 Downwind Serial Number 0

Upwind		Downwind		Corrected <sup>1</sup> Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
No CAMP performed due to Rain.					Rain all day

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/13/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:29:05 AM	5	7:36:56 AM	10	5	
7:44:05 AM	4	7:51:56 AM	7	3	
7:59:05 AM	3	8:06:56 AM	6	3	
8:14:05 AM	3	8:21:56 AM	7	4	
8:29:05 AM	3	8:36:56 AM	9	6	
8:44:05 AM	2	8:51:56 AM	6	4	
8:59:05 AM	2	9:06:56 AM	7	5	
9:14:05 AM	6	9:21:56 AM	5	-1	
9:29:05 AM	9	9:36:56 AM	5	-4	
9:44:05 AM	12	9:51:56 AM	6	-6	
9:59:05 AM	15	10:06:56 AM	5	-10	
10:14:05 AM	13	10:21:56 AM	5	-8	
10:29:05 AM	16	10:36:56 AM	5	-11	
10:44:05 AM	17	10:51:56 AM	5	-12	
10:59:05 AM	12	11:06:56 AM	5	-7	
11:14:05 AM	13	11:21:56 AM	5	-8	
11:29:05 AM	15	11:36:56 AM	5	-10	
11:44:05 AM	19	11:51:56 AM	5	-14	
11:59:05 AM	22	12:06:56 PM	6	-16	
12:14:05 PM	18	12:21:56 PM	6	-12	
12:29:05 PM	21	12:36:56 PM	9	-12	
12:44:05 PM	15	12:51:56 PM	8	-7	
12:59:05 PM	17	1:06:56 PM	7	-10	
1:14:05 PM	13	1:21:56 PM	8	-5	
1:29:05 PM	15	1:36:56 PM	8	-7	
1:44:05 PM	16	1:51:56 PM	13	-3	
1:59:05 PM	14	2:06:56 PM	8	-6	
2:14:05 PM	12	2:21:56 PM	7	-5	
2:29:05 PM	13	2:36:56 PM	9	-4	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/14/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:31:59 AM	4	7:31:08 AM	14	10	
7:46:59 AM	1	7:46:08 AM	11	10	
8:01:59 AM	1	8:01:08 AM	10	9	
8:16:59 AM	1	8:16:08 AM	10	9	
8:31:59 AM	1	8:31:08 AM	9	8	
8:46:59 AM	1	8:46:08 AM	9	8	
9:01:59 AM	3	9:01:08 AM	10	7	
9:16:59 AM	5	9:16:08 AM	10	5	
9:31:59 AM	6	9:31:08 AM	9	3	
9:46:59 AM	7	9:46:08 AM	10	3	
10:01:59 AM	8	10:01:08 AM	9	1	
10:16:59 AM	10	10:16:08 AM	8	-2	
10:31:59 AM	11	10:31:08 AM	9	-2	
10:46:59 AM	15	10:46:08 AM	9	-6	
11:01:59 AM	13	11:01:08 AM	9	-4	
11:16:59 AM	11	11:16:08 AM	9	-2	
11:31:59 AM	8	11:31:08 AM	11	3	
11:46:59 AM	9	11:46:08 AM	10	1	
12:01:59 PM	5	12:01:08 PM	12	7	
12:16:59 PM	8	12:16:08 PM	10	2	
12:31:59 PM	6	12:31:08 PM	13	7	
12:46:59 PM	11	12:46:08 PM	11	0	
1:01:59 PM	13	1:01:08 PM	9	-4	
1:16:59 PM	9	1:16:08 PM	8	-1	
1:31:59 PM	6	1:31:08 PM	9	3	
1:46:59 PM	7	1:46:08 PM	11	4	
2:01:59 PM	5	2:01:08 PM	12	7	
2:16:59 PM	8	2:16:08 PM	11	3	
2:31:59 PM	9	2:31:08 PM	13	4	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/15/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:32:15 AM	13	7:30:11 AM	35	22	
7:47:15 AM	1	7:45:11 AM	31	30	
8:02:15 AM	8	8:00:11 AM	30	22	
8:17:15 AM	9	8:15:11 AM	29	20	
8:32:15 AM	15	8:30:11 AM	28	13	
8:47:15 AM	14	8:45:11 AM	30	16	
9:02:15 AM	18	9:00:11 AM	31	13	
9:17:15 AM	16	9:15:11 AM	30	14	
9:32:15 AM	11	9:30:11 AM	38	27	
9:47:15 AM	22	9:45:11 AM	33	11	
10:02:15 AM	19	10:00:11 AM	32	13	
10:17:15 AM	14	10:15:11 AM	35	21	
10:32:15 AM	18	10:30:11 AM	31	13	
10:47:15 AM	17	10:45:11 AM	30	13	
11:02:15 AM	19	11:00:11 AM	29	10	
11:17:15 AM	20	11:15:11 AM	29	9	
11:32:15 AM	13	11:30:11 AM	28	15	
11:47:15 AM	17	11:45:11 AM	30	13	
12:02:15 PM	14	12:00:11 PM	31	17	
12:17:15 PM	19	12:15:11 PM	30	11	
12:32:15 PM	15	12:30:11 PM	33	18	
12:47:15 PM	11	12:45:11 PM	35	24	
1:02:15 PM	13	1:00:11 PM	34	21	
1:17:15 PM	12	1:15:11 PM	30	18	
1:32:15 PM	12	1:30:11 PM	32	20	
1:47:15 PM	14	1:45:11 PM	29	15	
2:02:15 PM	19	2:00:11 PM	31	12	
2:17:15 PM	18	2:15:11 PM	36	18	
2:32:15 PM	18	2:30:11 PM	35	17	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/18/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:33:26 AM	14	7:40:43 AM	13	-1	
7:48:26 AM	16	7:55:43 AM	9	-7	
8:03:26 AM	19	8:10:43 AM	9	-10	
8:18:26 AM	12	8:25:43 AM	9	-3	
8:33:26 AM	8	8:40:43 AM	10	2	
8:48:26 AM	9	8:55:43 AM	9	0	
9:03:26 AM	11	9:10:43 AM	9	-2	
9:18:26 AM	15	9:25:43 AM	13	-2	
9:33:26 AM	18	9:40:43 AM	15	-3	
9:48:26 AM	17	9:55:43 AM	6	-11	
10:03:26 AM	22	10:10:43 AM	8	-14	
10:18:26 AM	19	10:25:43 AM	7	-12	
10:33:26 AM	14	10:40:43 AM	10	-4	
10:48:26 AM	13	10:55:43 AM	9	-4	
11:03:26 AM	16	11:10:43 AM	11	-5	
11:18:26 AM	18	11:25:43 AM	12	-6	
11:33:26 AM	17	11:40:43 AM	11	-6	
11:48:26 AM	16	11:55:43 AM	8	-8	
12:03:26 PM	16	12:10:43 PM	13	-3	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/19/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:32:50 AM	5	7:36:22 AM	46	41	
7:47:50 AM	7	7:51:22 AM	41	34	
8:02:50 AM	6	8:06:22 AM	34	28	
8:17:50 AM	5	8:21:22 AM	33	28	
8:32:50 AM	4	8:36:22 AM	32	28	
8:47:50 AM	4	8:51:22 AM	27	23	
9:02:50 AM	8	9:06:22 AM	27	19	
9:17:50 AM	9	9:21:22 AM	24	15	
9:32:50 AM	11	9:36:22 AM	21	10	
9:47:50 AM	14	9:51:22 AM	17	3	
10:02:50 AM	13	10:06:22 AM	19	6	
10:17:50 AM	16	10:21:22 AM	19	3	
10:32:50 AM	15	10:36:22 AM	20	5	
10:47:50 AM	11	10:51:22 AM	21	10	
11:02:50 AM	9	11:06:22 AM	20	11	
11:17:50 AM	8	11:21:22 AM	19	11	
11:32:50 AM	13	11:36:22 AM	21	8	
11:47:50 AM	19	11:51:22 AM	22	3	
12:02:50 PM	14	12:06:22 PM	18	4	
12:17:50 PM	15	12:21:22 PM	19	4	
12:32:50 PM	12	12:36:22 PM	23	11	
12:47:50 PM	10	12:51:22 PM	26	16	
1:02:50 PM	11	1:06:22 PM	22	11	
1:17:50 PM	13	1:21:22 PM	25	12	
1:32:50 PM	8	1:36:22 PM	23	15	
1:47:50 PM	9	1:51:22 PM	24	15	
2:02:50 PM	12	2:06:22 PM	29	17	
2:17:50 PM	14	2:21:22 PM	31	17	
2:32:50 PM	10	2:36:22 PM	28	18	

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

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

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:28:52 AM	12	7:35:14 AM	18	6	
7:43:52 AM	12	7:50:14 AM	17	5	
7:58:52 AM	21	8:05:14 AM	19	-2	
8:13:52 AM	13	8:20:14 AM	18	5	
8:28:52 AM	12	8:35:14 AM	17	5	
8:43:52 AM	11	8:50:14 AM	19	8	
8:58:52 AM	10	9:05:14 AM	19	9	
9:13:52 AM	11	9:20:14 AM	14	3	
9:28:52 AM	11	9:35:14 AM	13	2	
9:43:52 AM	12	9:50:14 AM	12	0	
9:58:52 AM	11	10:05:14 AM	12	1	
10:13:52 AM	11	10:20:14 AM	14	3	
10:28:52 AM	11	10:35:14 AM	14	3	
10:43:52 AM	12	10:50:14 AM	14	2	
10:58:52 AM	12	11:05:14 AM	12	0	
11:13:52 AM	13	11:20:14 AM	12	-1	
11:28:52 AM	12	11:35:14 AM	11	-1	
11:43:52 AM	12	11:50:14 AM	10	-2	
11:58:52 AM	13	12:05:14 PM	9	-4	
12:13:52 PM	13	12:20:14 PM	13	0	
12:28:52 PM	12	12:35:14 PM	12	0	
12:43:52 PM	14	12:50:14 PM	15	1	
12:58:52 PM	14	1:05:14 PM	16	2	
1:13:52 PM	13	1:20:14 PM	14	1	
1:28:52 PM	15	1:35:14 PM	11	-4	
1:43:52 PM	16	1:50:14 PM	13	-3	
1:58:52 PM	12	2:05:14 PM	12	0	
2:13:52 PM	17	2:20:14 PM	15	-2	
2:28:52 PM	15	2:35:14 PM	11	-4	



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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/21/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:30:47 AM	8	7:38:26 AM	17	9	
7:45:47 AM	6	7:53:26 AM	15	9	
8:00:47 AM	6	8:08:26 AM	15	9	
8:15:47 AM	8	8:23:26 AM	14	6	
8:30:47 AM	7	8:38:26 AM	16	9	
8:45:47 AM	8	8:53:26 AM	20	12	
9:00:47 AM	7	9:08:26 AM	22	15	
9:15:47 AM	8	9:23:26 AM	21	13	
9:30:47 AM	10	9:38:26 AM	21	11	
9:45:47 AM	11	9:53:26 AM	19	8	
10:00:47 AM	9	10:08:26 AM	18	9	
10:15:47 AM	8	10:23:26 AM	18	10	
10:30:47 AM	9	10:38:26 AM	18	9	
10:45:47 AM	1	10:53:26 AM	18	17	
11:00:47 AM	0	11:08:26 AM	19	19	
11:15:47 AM	5	11:23:26 AM	20	15	
11:30:47 AM	8	11:38:26 AM	18	10	
11:45:47 AM	13	11:53:26 AM	19	6	
12:00:47 PM	9	12:08:26 PM	22	13	
12:15:47 PM	11	12:23:26 PM	17	6	
12:30:47 PM	13	12:38:26 PM	16	3	
12:45:47 PM	8	12:53:26 PM	19	11	
1:00:47 PM	22	1:08:26 PM	21	-1	
1:15:47 PM	25	1:23:26 PM	22	-3	
1:30:47 PM	18	1:38:26 PM	18	0	
1:45:47 PM	14	1:53:26 PM	19	5	
2:00:47 PM	11	2:08:26 PM	22	11	
2:15:47 PM	15	2:23:26 PM	21	6	
2:30:47 PM	18	2:38:26 PM	18	0	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/22/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:28:04 AM	21	7:29:24 AM	35	14	
7:43:04 AM	21	7:44:24 AM	34	13	
7:58:04 AM	22	7:59:24 AM	33	11	
8:13:04 AM	21	8:14:24 AM	32	11	
8:28:04 AM	22	8:29:24 AM	32	10	
8:43:04 AM	23	8:44:24 AM	32	9	
8:58:04 AM	24	8:59:24 AM	34	10	
9:13:04 AM	25	9:14:24 AM	33	8	
9:28:04 AM	28	9:29:24 AM	33	5	
9:43:04 AM	25	9:44:24 AM	33	8	
9:58:04 AM	24	9:59:24 AM	34	10	
10:13:04 AM	26	10:14:24 AM	31	5	
10:28:04 AM	23	10:29:24 AM	33	10	
10:43:04 AM	25	10:44:24 AM	29	4	
10:58:04 AM	30	10:59:24 AM	27	-3	
11:13:04 AM	24	11:14:24 AM	25	1	
11:28:04 AM	17	11:29:24 AM	22	5	
11:43:04 AM	16	11:44:24 AM	23	7	
11:58:04 AM	15	11:59:24 AM	26	11	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/25/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:34:27 AM	19	7:32:35 AM	38	19	
7:49:27 AM	18	7:47:35 AM	37	19	
8:04:27 AM	19	8:02:35 AM	37	18	
8:19:27 AM	19	8:17:35 AM	37	18	
8:34:27 AM	19	8:32:35 AM	38	19	
8:49:27 AM	18	8:47:35 AM	36	18	
9:04:27 AM	20	9:02:35 AM	36	16	
9:19:27 AM	20	9:17:35 AM	34	14	
9:34:27 AM	20	9:32:35 AM	32	12	
9:49:27 AM	18	9:47:35 AM	32	14	
10:04:27 AM	21	10:02:35 AM	32	11	
10:19:27 AM	18	10:17:35 AM	31	13	
10:34:27 AM	17	10:32:35 AM	32	15	
10:49:27 AM	17	10:47:35 AM	32	15	
11:04:27 AM	17	11:02:35 AM	30	13	
11:19:27 AM	17	11:17:35 AM	31	14	
11:34:27 AM	17	11:32:35 AM	34	17	
11:49:27 AM	17	11:47:35 AM	36	19	
12:04:27 PM	18	12:02:35 PM	34	16	
12:19:27 PM	19	12:17:35 PM	32	13	
12:34:27 PM	22	12:32:35 PM	31	9	
12:49:27 PM	21	12:47:35 PM	33	12	
1:04:27 PM	19	1:02:35 PM	36	17	
1:19:27 PM	18	1:17:35 PM	34	16	
1:34:27 PM	16	1:32:35 PM	35	19	
1:49:27 PM	12	1:47:35 PM	37	25	
2:04:27 PM	14	2:02:35 PM	33	19	
2:19:27 PM	16	2:17:35 PM	32	16	
2:34:27 PM	18	2:32:35 PM	35	17	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/26/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:31:06 AM	4	7:31:56 AM	29	25	
7:46:06 AM	4	7:46:56 AM	28	24	
8:01:06 AM	5	8:01:56 AM	27	22	
8:16:06 AM	5	8:16:56 AM	26	21	
8:31:06 AM	3	8:31:56 AM	25	22	
8:46:06 AM	4	8:46:56 AM	23	19	
9:01:06 AM	2	9:01:56 AM	22	20	
9:16:06 AM	2	9:16:56 AM	23	21	
9:31:06 AM	2	9:31:56 AM	24	22	
9:46:06 AM	3	9:46:56 AM	22	19	
10:01:06 AM	3	10:01:56 AM	20	17	
10:16:06 AM	2	10:16:56 AM	23	21	
10:31:06 AM	6	10:31:56 AM	22	16	
10:46:06 AM	4	10:46:56 AM	25	21	
11:01:06 AM	4	11:01:56 AM	24	20	
11:16:06 AM	5	11:16:56 AM	22	17	
11:31:06 AM	8	11:31:56 AM	26	18	
11:46:06 AM	9	11:46:56 AM	25	16	
12:01:06 PM	11	12:01:56 PM	27	16	
12:16:06 PM	15	12:16:56 PM	28	13	
12:31:06 PM	12	12:31:56 PM	22	10	
12:46:06 PM	12	12:46:56 PM	25	13	
1:01:06 PM	14	1:01:56 PM	24	10	
1:16:06 PM	18	1:16:56 PM	25	7	
1:31:06 PM	19	1:31:56 PM	25	6	
1:46:06 PM	17	1:46:56 PM	26	9	
2:01:06 PM	16	2:01:56 PM	24	8	
2:16:06 PM	18	2:16:56 PM	22	4	
2:31:06 PM	14	2:31:56 PM	23	9	

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

Project: Far Rockaway  
 Location: 20-02 Mott Avenue  
 Date: 11/27/2019

Upwind Serial Number 8530172413  
 Downwind Serial Number 8530173316

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [ug/m3]	Time	Concentration [ug/m3]	Concentration [ug/m3]	
7:29:44 AM	10	7:33:24 AM	25	15	
7:44:44 AM	9	7:48:24 AM	16	7	
7:59:44 AM	9	8:03:24 AM	11	2	
8:14:44 AM	9	8:18:24 AM	9	0	
8:29:44 AM	11	8:33:24 AM	9	-2	
8:44:44 AM	11	8:48:24 AM	16	5	
8:59:44 AM	13	9:03:24 AM	15	2	
9:14:44 AM	10	9:18:24 AM	13	3	
9:29:44 AM	9	9:33:24 AM	16	7	
9:44:44 AM	11	9:48:24 AM	10	-1	
9:59:44 AM	12	10:03:24 AM	11	-1	
10:14:44 AM	15	10:18:24 AM	10	-5	
10:29:44 AM	16	10:33:24 AM	8	-8	
10:44:44 AM	17	10:48:24 AM	11	-6	
10:59:44 AM	15	11:03:24 AM	13	-2	
11:14:44 AM	11	11:18:24 AM	15	4	
11:29:44 AM	21	11:33:24 AM	12	-9	
11:44:44 AM	13	11:48:24 AM	16	3	
11:59:44 AM	12	12:03:24 PM	19	7	
12:14:44 PM	14	12:18:24 PM	18	4	
12:29:44 PM	19	12:33:24 PM	17	-2	
12:44:44 PM	16	12:48:24 PM	16	0	
12:59:44 PM	17	1:03:24 PM	19	2	
1:14:44 PM	13	1:18:24 PM	22	9	
1:29:44 PM	11	1:33:24 PM	21	10	
1:44:44 PM	14	1:48:24 PM	19	5	
1:59:44 PM	15	2:03:24 PM	19	4	
2:14:44 PM	12	2:18:24 PM	17	5	
2:29:44 PM	9	2:33:24 PM	18	9	