

LANGAN SITE OBSERVATION REPORT – Day 016

CLIENT:	Gowanus Canal LLC and GowCan Owner, LLC	DATE:	Friday, September 2, 2022
PROJECT No.:	170295301	WEATHER:	Clear, 63 to 65°F Wind: 1.7-2.3 mph NNE
PROJECT:	Gowanus Canal Northside	TIME:	06:30 – 09:00
LOCATION:	Brooklyn, New York	BCP SITE ID:	C224080
EQUIPMENT:	Komatsu PC 490 Excavator Junttan PM20/25 Drill Rig Komatsu PC 240 Excavator JLG HC3 Boom Lift Komatsu PC 78 US Excavator Komatsu Wheel Loader Junttan PM20US Drill Rig	PRESENT AT SITE:	Langan: Liz McConnell Urban Atelier Group (UAG): Seth Anderson Kingdom Associates, Inc. (Kingdom): Paddy Kearney

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on-site to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved March 24, 2022 Remedial Action Work Plan (RAWP) for Brownfield Cleanup Program (BCP) Site No. C224080. Site Map 1 presents the Society Brooklyn and Sackett Place developments, which together comprise the BCP site.

Site Activities

- Kingdom exported previously stockpiled non-hazardous soil from waste characterization cells WC10 (WC10_COMP_0-5) and WC09 (WC09_COMP_0-5) in permitted tri-axle trucks for off-site disposal. See material tracking section for details.

Soil/Fill Import and Export Tracking

- Kingdom exported 3 truckloads of non-hazardous soil from waste characterization cells WC10 (WC10_COMP_0-5) and WC09 (WC09_COMP_0-5) to Bayshore Soil Management in Keasbey, NJ.

Material Export Summary			
Facility	Exported	Today	Total
Bayshore Soil Management Keasbey, NJ Nonhazardous Soil/Fill	No. Loads	3	3
	Quantity (CY)	60	60

Sampling

- No samples were collected

Community Air Monitoring

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) at the perimeters of the work area during ground-intrusive work. VOC and PM10 action levels were not exceeded during the monitoring period. Air monitoring data is attached to this report.
 - Downwind CAMP stations could not be placed adjacent to the work area due to equipment and stockpile congestion in the southwestern part of Sackett Place. Neither dust nor odors were apparent during non-hazardous soil export. CAMP station locations will be coordinated with anticipated soil-intrusive work locations moving forward.

Anticipated Activities

- Kingdom will perform load tests.

Cc:	J. Hayes, M. Burke, P. Farnham, E. Adkins, A. Nesci	By:	Liz McConnell Langan, D.P.C.
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Site Photographs:



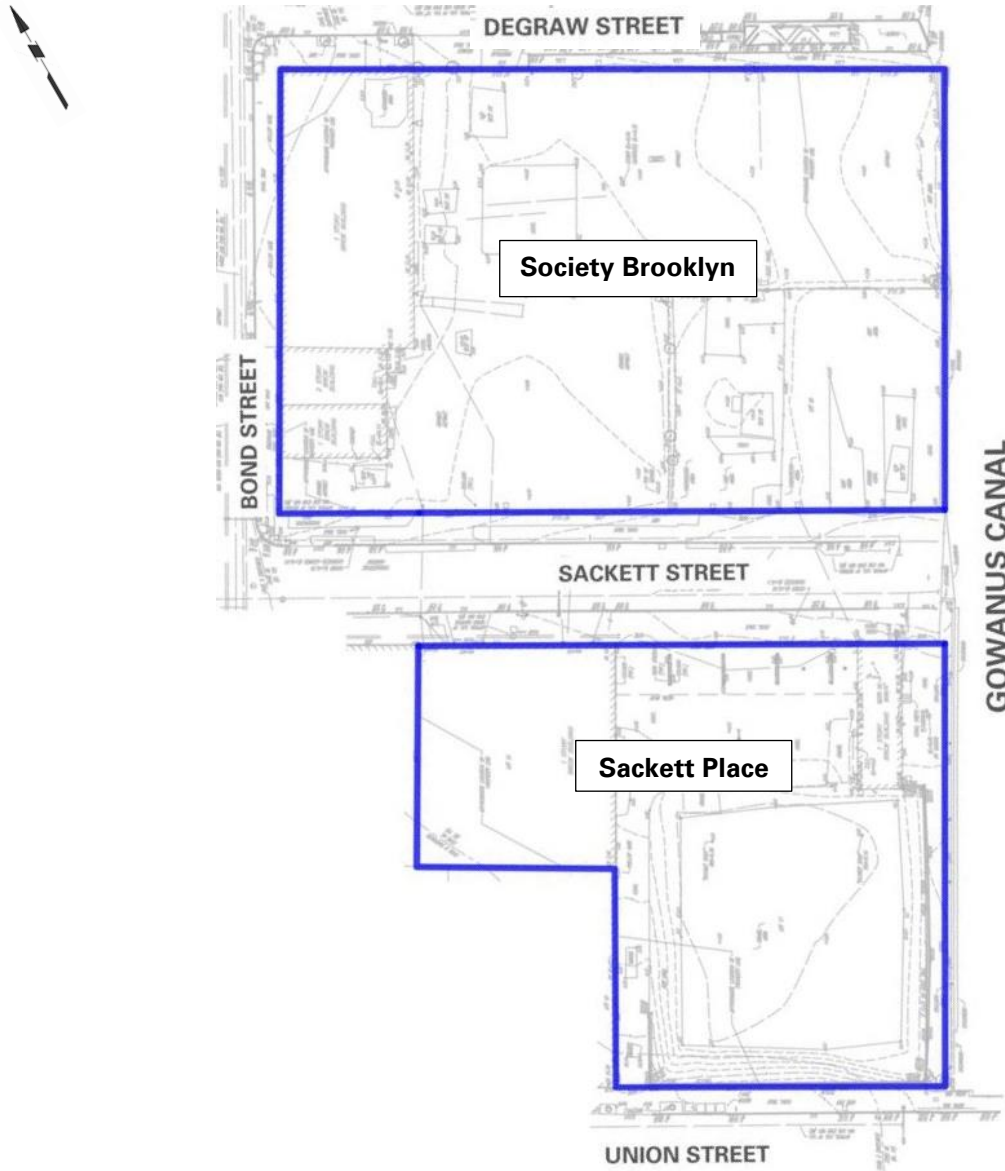
Photo 1: Kingdom loading a permitted tri-axle truck with non-hazardous soil in the southwestern part of Sackett Place (facing southeast)



Photo 2: Kingdom applying a tight-fitting cover to a truck prior to exporting soil for off-site disposal (facing north)

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Site Map 1:



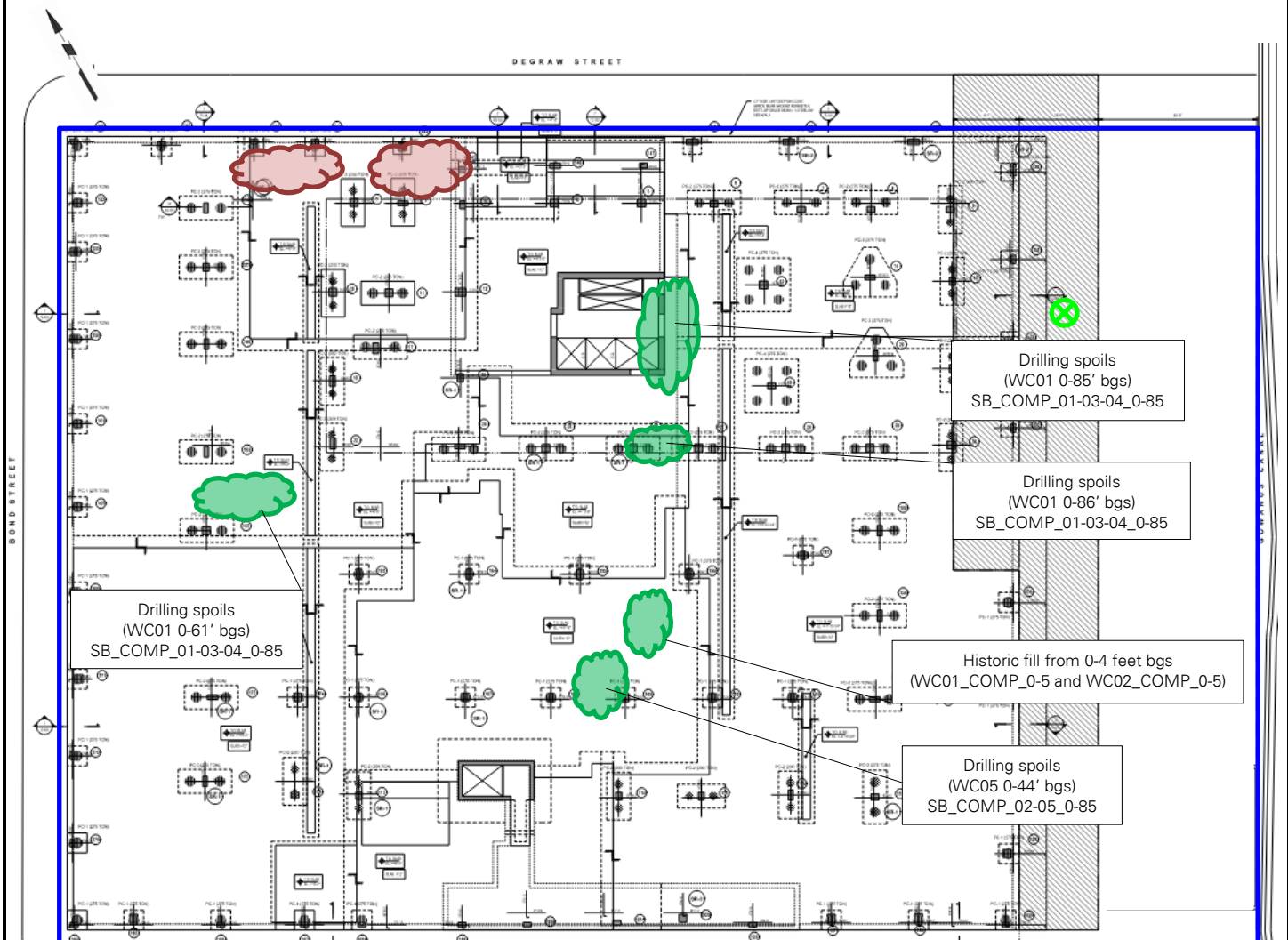
Notes

1. Base map adapted from 24 March 2022 RAWP, Figure 2 – Site Plan.
2. This Site Map is provided for context only; refer to the Northern (Society Brooklyn) and Southern (Sackett Place) Work Area Maps on the following pages for work and air monitoring location(s).

Cc:	J. Hayes, M. Burke, P. Farnham, E. Adkins, A. Nesci	By:	Liz McConnell Langan, D.P.C.
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Site Map 2: Northern Work Area Map (Society Brooklyn)

Base map adapted from 1 April 2022 drawing FO-201.00, "Ground Floor Framing Plan" for Society Brooklyn, prepared by DeSimone Consulting Engineers.



Legend:

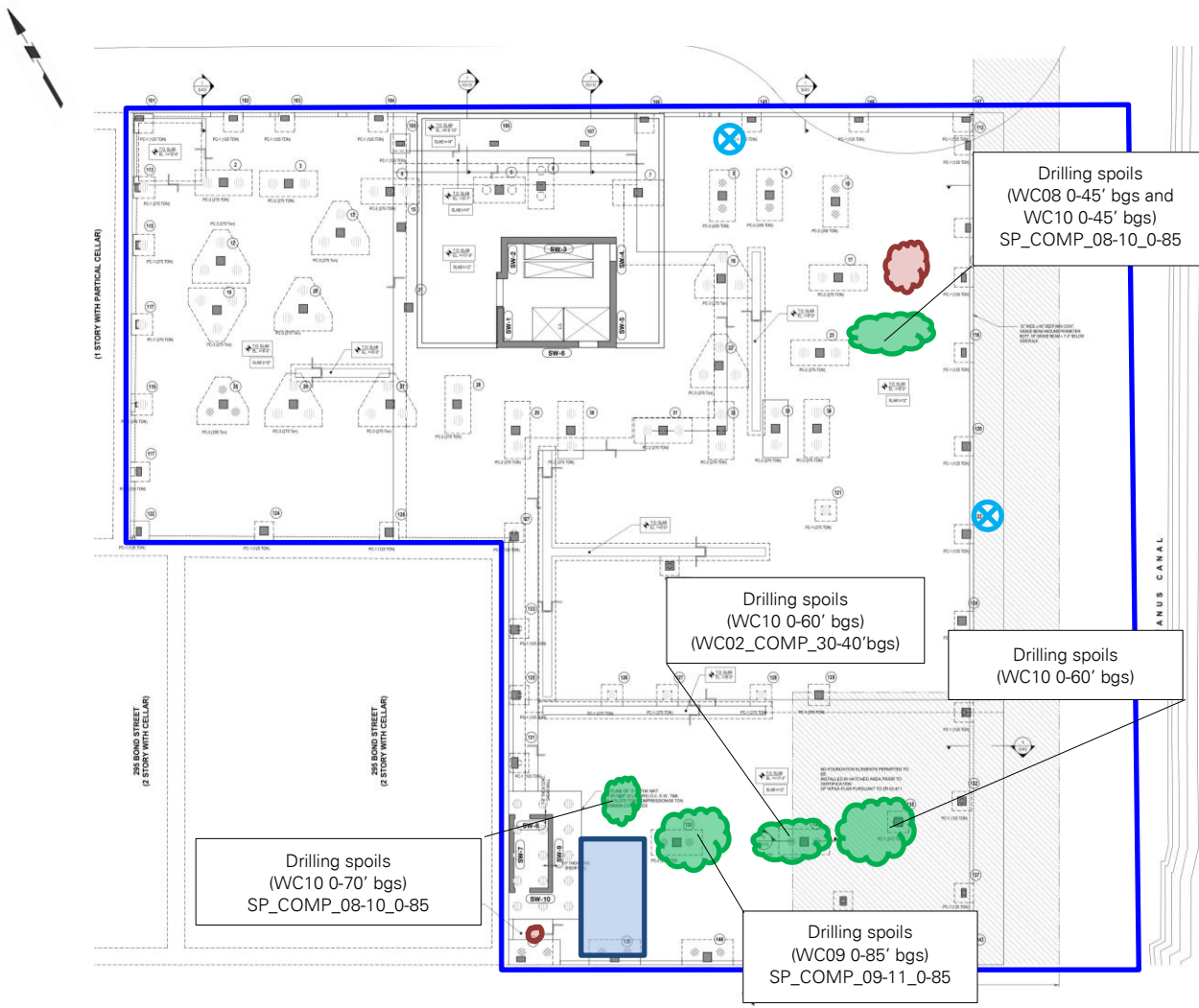
- Approximate site boundary
- X Upwind air monitoring station
- X Downwind air monitoring station
- Approximate work area
- ☁ Approximate soil/fill stockpile location
- ☁ Approximate C&D debris stockpile location
- Approximate location of pile drilled today
- Approximate sample location

Cc: J. Hayes, M. Burke, P. Farnham, E. Adkins, A. Nesci

By: Liz McConnell
Langan, D.P.C.

Site Map 3: Southern Work Area Map (Sackett Place)

Base map adapted from 1 April 2022 drawing FO-201.00, "Ground Floor Framing Plan" for Sackett Place, prepared by DeSimone Consulting Engineers.



Legend:

- Approximate site boundary

Upwind air monitoring station

Downwind air monitoring station

Approximate work area

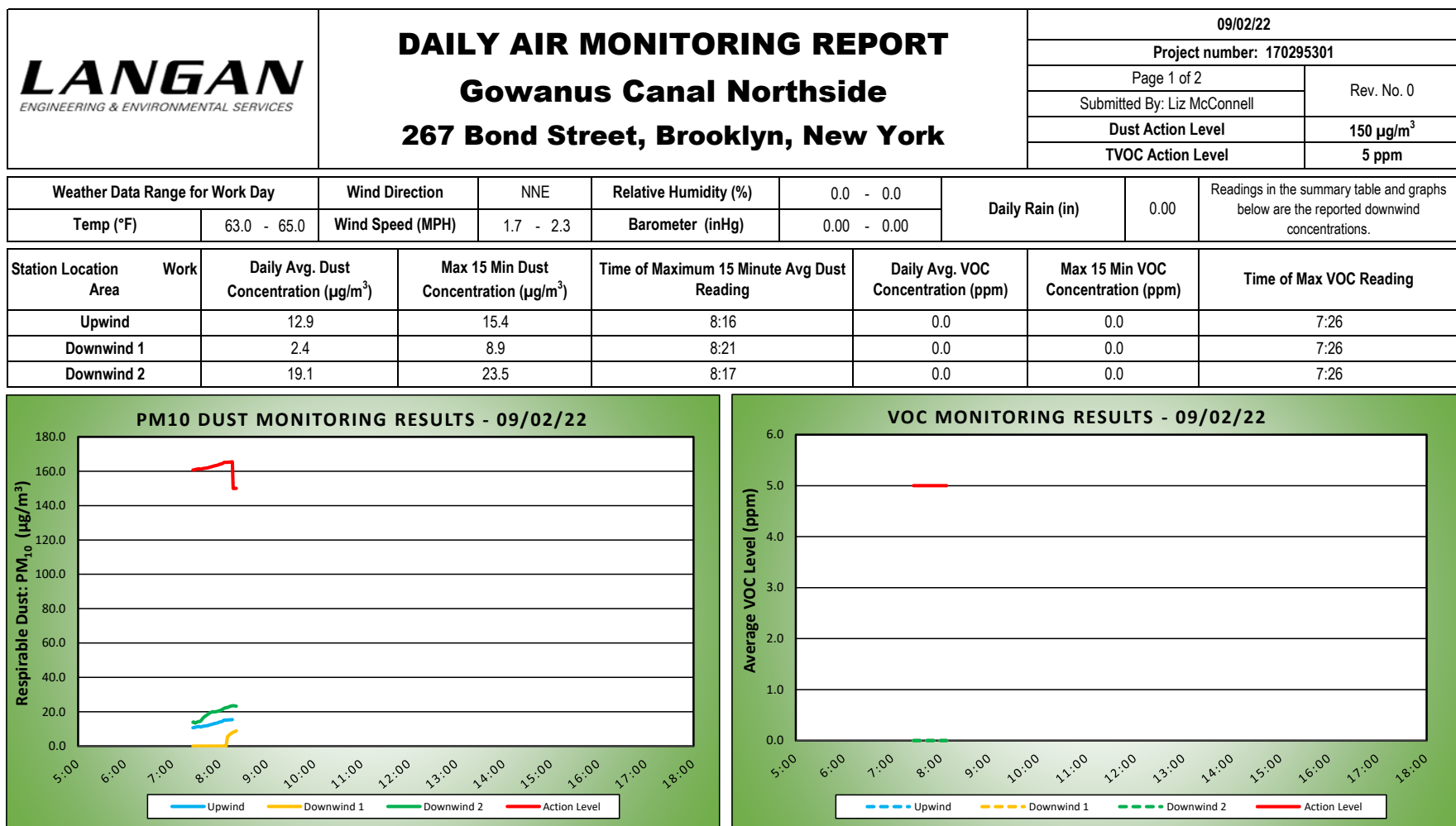
Approximate soil/fill stockpile location

Approximate C&D debris stockpile location

Approximate location of pile drilled today

Approximate sample location

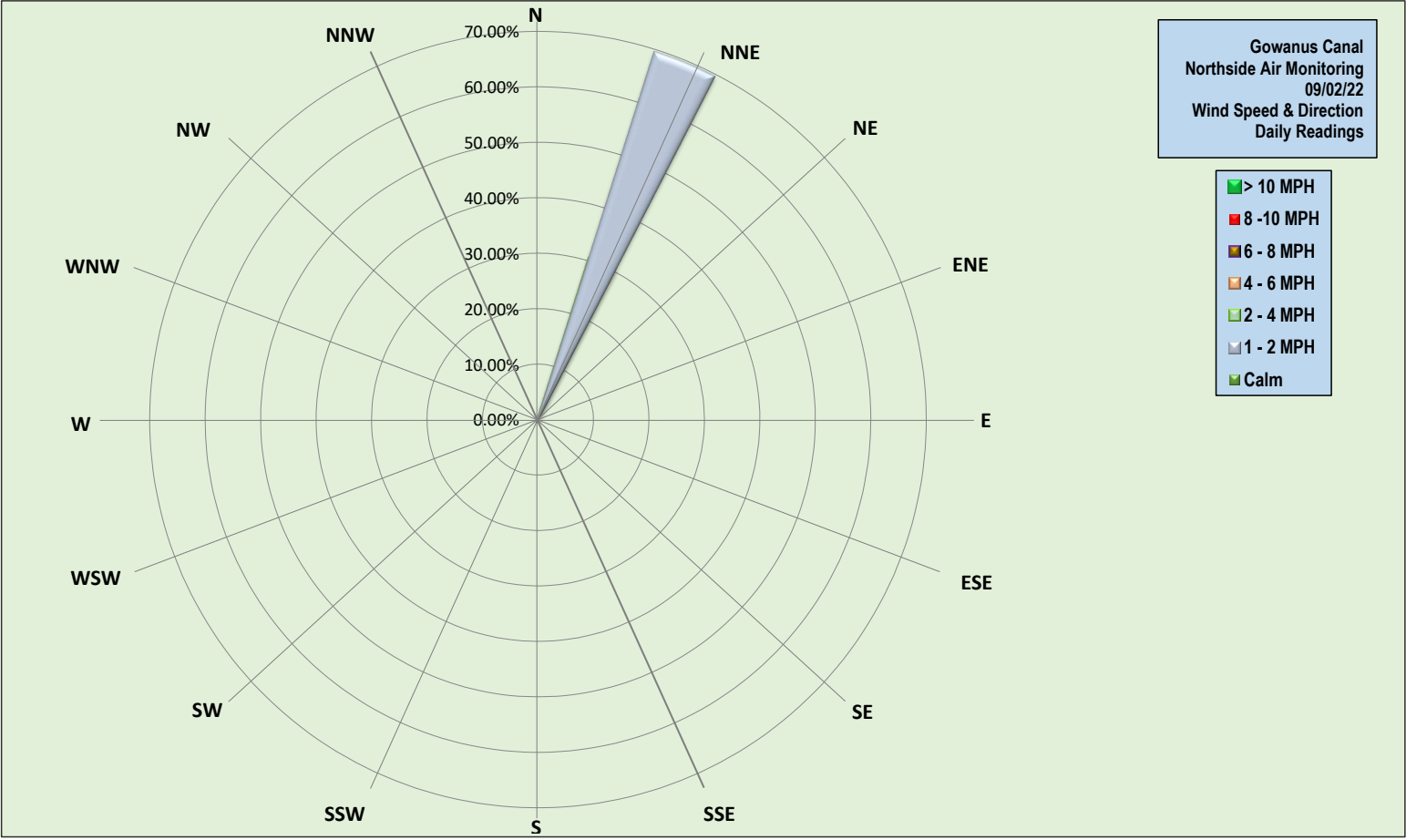
Cc:	J. Hayes, M. Burke, P. Farnham, E. Adkins, A. Nesci	By:	Liz McConnell
			Langan, D.P.C.



Air Monitoring Notes:

Sampling Notes:

Weather Notes:



Friday, September 2, 2022									
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =									0
Number of Comparable Data Points =									51
Start Time:									7:11
End Time:									8:21
PARTICULATE DATA									
Upwind			Downwind						Exceeds Particulate Alarm Limit
Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	
7:11	9.0	-	7:11	37.8	-	7:11	12.0	-	-
7:12	9.8	-	7:12	0.0	-	7:12	12.0	-	-
7:13	10.0	-	7:13	0.0	-	7:13	19.8	-	-
7:14	9.5	-	7:14	0.0	-	7:14	19.0	-	-
7:15	9.0	-	7:15	0.0	-	7:15	11.3	-	-
7:16	10.0	-	7:16	0.0	-	7:16	12.0	-	-
7:17	10.0	-	7:17	0.0	-	7:17	12.0	-	-
7:18	10.0	-	7:18	0.0	-	7:18	13.6	-	-
7:19	10.3	-	7:19	0.0	-	7:19	16.1	-	-
7:20	13.8	-	7:20	0.0	-	7:20	17.0	-	-
7:21	14.4	-	7:21	0.0	-	7:21	13.1	-	-
7:22	10.3	-	7:22	0.0	-	7:22	11.3	-	-
7:23	9.5	-	7:23	0.0	-	7:23	12.0	-	-
7:24	10.8	-	7:24	0.0	-	7:24	12.5	-	-
7:25	11.5	-	7:25	0.0	-	7:25	13.0	-	-
7:26	11.8	10.7	7:26	0.0	0.0	7:26	13.5	13.9	-
7:27	11.0	10.8	7:27	0.0	0.0	7:27	14.3	14.0	-
7:28	11.0	10.8	7:28	0.0	0.0	7:28	14.8	13.7	-
7:29	11.1	11.0	7:29	0.0	0.0	7:29	15.0	13.4	-
7:30	11.8	11.1	7:30	0.0	0.0	7:30	15.0	13.7	-
7:31	11.0	11.2	7:31	0.0	0.0	7:31	15.0	13.9	-
7:32	11.0	11.3	7:32	0.0	0.0	7:32	15.5	14.1	-
7:33	11.0	11.3	7:33	0.0	0.0	7:33	15.6	14.2	-
7:34	11.5	11.4	7:34	0.0	0.0	7:34	16.9	14.3	-
7:35	11.8	11.3	7:35	0.0	0.0	7:35	17.8	14.3	-
7:36	12.0	11.1	7:36	0.0	0.0	7:36	18.1	14.7	-
7:37	12.0	11.2	7:37	0.0	0.0	7:37	19.6	15.2	-
7:38	12.5	11.4	7:38	0.0	0.0	7:38	21.3	15.9	-
7:39	13.0	11.6	7:39	0.0	0.0	7:39	20.6	16.4	-
7:40	12.1	11.6	7:40	0.0	0.0	7:40	19.5	16.8	-
7:41	12.6	11.7	7:41	0.0	0.0	7:41	19.8	17.3	-
7:42	12.1	11.8	7:42	0.0	0.0	7:42	18.9	17.6	-
7:43	12.1	11.8	7:43	0.0	0.0	7:43	19.4	17.9	-
7:44	12.0	11.9	7:44	0.0	0.0	7:44	20.0	18.2	-
7:45	12.8	12.0	7:45	0.0	0.0	7:45	20.0	18.5	-
7:46	13.9	12.2	7:46	0.0	0.0	7:46	20.3	18.9	-
7:47	13.3	12.3	7:47	0.0	0.0	7:47	20.5	19.2	-
7:48	13.0	12.4	7:48	0.0	0.0	7:48	19.5	19.5	-
7:49	13.0	12.5	7:49	0.0	0.0	7:49	19.9	19.7	-
7:50	13.6	12.7	7:50	0.0	0.0	7:50	20.0	19.8	-
7:51	14.0	12.8	7:51	0.0	0.0	7:51	20.6	20.0	-
7:52	14.3	13.0	7:52	0.0	0.0	7:52	20.0	20.0	-
7:53	14.8	13.1	7:53	0.0	0.0	7:53	20.1	19.9	-
7:54	14.0	13.2	7:54	0.0	0.0	7:54	21.0	20.0	-
7:55	14.0	13.3	7:55	0.0	0.0	7:55	20.8	20.0	-
7:56	14.0	13.4	7:56	0.0	0.0	7:56	21.0	20.1	-
7:57	14.0	13.5	7:57	0.0	0.0	7:57	20.8	20.3	-
7:58	14.5	13.7	7:58	0.0	0.0	7:58	21.0	20.4	-
7:59	15.0	13.9	7:59	0.0	0.0	7:59	21.9	20.5	-
8:00	15.5	14.1	8:00	0.0	0.0	8:00	22.9	20.7	-
8:01	15.0	14.1	8:01	0.0	0.0	8:01	23.0	20.9	-
8:02	15.0	14.2	8:02	0.0	0.0	8:02	23.0	21.0	-
8:03	15.0	14.4	8:03	0.0	0.0	8:03	23.1	21.3	-
8:04	17.1	14.7	8:04	0.0	0.0	8:04	24.0	21.5	-
8:05	19.1	15.0	8:05	0.0	0.0	8:05	24.8	21.9	-
8:06	15.4	15.1	8:06	0.0	0.0	8:06	23.3	22.0	-
8:07	15.0	15.2	8:07	0.0	0.0	8:07	23.1	22.2	-
8:08	15.0	15.2	8:08	0.0	0.0	8:08	23.0	22.4	-
8:09	13.1	15.1	8:09	45.3	3.0	8:09	19.8	22.4	-
8:10	14.9	15.2	8:10	37.5	5.5	8:10	23.3	22.5	-
8:11	15.0	15.2	8:11	6.8	6.0	8:11	24.0	22.7	-
8:12	15.0	15.3	8:12	5.5	6.3	8:12	23.5	22.9	-
8:13	14.3	15.3	8:13	8.3	6.9	8:13	23.6	23.1	-
8:14	15.5	15.3	8:14	4.0	7.2	8:14	24.6	23.3	-
8:15	16.4	15.4	8:15	5.0	7.5	8:15	24.9	23.4	-
8:16	15.7	15.4	8:16	5.3	7.8	8:16	23.5	23.4	-
8:17	-	-	8:17	3.8	8.1	8:17	23.9	23.5	-
8:18	-	-	8:18	2.8	8.3	8:18	23.0	23.5	-
8:19	-	-	8:19	2.5	8.4	8:19	23.0	23.4	-
8:20	-	-	8:20	2.0	8.6	8:20	22.9	23.3	-
8:21	-	-	8:21	5.3	8.9	8:21	22.9	23.3	-

Friday, September 2, 2022									
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =									0
Number of Comparable Data Points =									42
Start Time:									7:11
End Time:									8:21
PID DATA									
Upwind			Downwind						Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
7:11	0.0	-	7:11	0.0	-	7:11	0.0	-	-
7:12	0.0	-	7:12	0.0	-	7:12	0.0	-	-
7:13	0.0	-	7:13	0.0	-	7:13	0.0	-	-
7:14	0.0	-	7:14	0.0	-	7:14	0.0	-	-
7:15	0.0	-	7:15	0.0	-	7:15	0.0	-	-
7:16	0.0	-	7:16	0.0	-	7:16	0.0	-	-
7:17	0.0	-	7:17	0.0	-	7:17	0.0	-	-
7:18	0.0	-	7:18	0.0	-	7:18	0.0	-	-
7:19	0.0	-	7:19	0.0	-	7:19	0.0	-	-
7:20	0.0	-	7:20	0.0	-	7:20	0.0	-	-
7:21	0.0	-	7:21	0.0	-	7:21	0.0	-	-
7:22	0.0	-	7:22	0.0	-	7:22	0.0	-	-
7:23	0.0	-	7:23	0.0	-	7:23	0.0	-	-
7:24	0.0	-	7:24	0.0	-	7:24	0.0	-	-
7:25	0.0	-	7:25	0.0	-	7:25	0.0	-	-
7:26	0.0	0.0	7:26	0.0	0.0	7:26	0.0	0.0	-
7:27	0.0	0.0	7:27	0.0	0.0	7:27	0.0	0.0	-
7:28	0.0	0.0	7:28	0.0	0.0	7:28	0.0	0.0	-
7:29	0.0	0.0	7:29	0.0	0.0	7:29	0.0	0.0	-
7:30	0.0	0.0	7:30	0.0	0.0	7:30	0.0	0.0	-
7:31	0.0	0.0	7:31	0.0	0.0	7:31	0.0	0.0	-
7:32	0.0	0.0	7:32	0.0	0.0	7:32	0.0	0.0	-
7:33	0.0	0.0	7:33	0.0	0.0	7:33	0.0	0.0	-
7:34	0.0	0.0	7:34	0.0	0.0	7:34	0.0	0.0	-
7:35	0.0	0.0	7:35	0.0	0.0	7:35	0.0	0.0	-
7:36	0.0	0.0	7:36	0.0	0.0	7:36	0.0	0.0	-
7:37	0.0	0.0	7:37	0.0	0.0	7:37	0.0	0.0	-
7:38	0.0	0.0	7:38	0.0	0.0	7:38	0.0	0.0	-
7:39	0.0	0.0	7:39	0.0	0.0	7:39	0.0	0.0	-
7:40	0.0	0.0	7:40	0.0	0.0	7:40	0.0	0.0	-
7:41	0.0	0.0	7:41	0.0	0.0	7:41	0.0	0.0	-
7:42	0.0	0.0	7:42	0.0	0.0	7:42	0.0	0.0	-
7:43	0.0	0.0	7:43	0.0	0.0	7:43	0.0	0.0	-
7:44	0.0	0.0	7:44	0.0	0.0	7:44	0.0	0.0	-
7:45	0.0	0.0	7:45	0.0	0.0	7:45	0.0	0.0	-
7:46	0.0	0.0	7:46	0.0	0.0	7:46	0.0	0.0	-
7:47	0.0	0.0	7:47	0.0	0.0	7:47	0.0	0.0	-
7:48	0.0	0.0	7:48	0.0	0.0	7:48	0.0	0.0	-
7:49	0.0	0.0	7:49	0.0	0.0	7:49	0.0	0.0	-
7:50	0.0	0.0	7:50	0.0	0.0	7:50	0.0	0.0	-
7:51	0.0	0.0	7:51	0.0	0.0	7:51	0.0	0.0	-
7:52	0.0	0.0	7:52	0.0	0.0	7:52	0.0	0.0	-
7:53	0.0	0.0	7:53	0.0	0.0	7:53	0.0	0.0	-
7:54	0.0	0.0	7:54	0.0	0.0	7:54	0.0	0.0	-
7:55	0.0	0.0	7:55	0.0	0.0	7:55	0.0	0.0	-
7:56	0.0	0.0	7:56	0.0	0.0	7:56	0.0	0.0	-
7:57	0.0	0.0	7:57	0.0	0.0	7:57	0.0	0.0	-
7:58	0.0	0.0	7:58	0.0	0.0	7:58	0.0	0.0	-
7:59	0.0	0.0	7:59	0.0	0.0	7:59	0.0	0.0	-
8:00	0.0	0.0	8:00	0.0	0.0	8:00	0.0	0.0	-
8:01	0.0	0.0	8:01	0.0	0.0	8:01	0.0	0.0	-
8:02	0.0	0.0	8:02	0.0	0.0	8:02	0.0	0.0	-
8:03	0.0	0.0	8:03	0.0	0.0	8:03	0.0	0.0	-
8:04	0.0	0.0	8:04	0.0	0.0	8:04	0.0	0.0	-
8:05	0.0	0.0	8:05	0.0	0.0	8:05	0.0	0.0	-
8:06	0.0	0.0	8:06	0.0	0.0	8:06	0.0	0.0	-
8:07	0.0	0.0	8:07	0.0	0.0	8:07	0.0	0.0	-
8:08	-	-	8:08	-	-	8:08	-	-	-
8:09	0.0	-	8:09	0.0	-	8:09	0.0	-	-
8:10	0.0	-	8:10	0.0	-	8:10	0.0	-	-
8:11	0.0	-	8:11	0.0	-	8:11	0.0	-	-
8:12	0.0	-	8:12	0.0	-	8:12	0.0	-	-
8:13	0.0	-	8:13	0.0	-	8:13	0.0	-	-
8:14	0.0	-	8:14	0.0	-	8:14	0.0	-	-
8:15	0.0	-	8:15	0.0	-	8:15	0.0	-	-
8:16	0.0	-	8:16	0.0	-	8:16	0.0	-	-
8:17	-	-	8:17	0.0	-	8:17	0.0	-	-
8:18	-	-	8:18	0.0	-	8:18	0.0	-	-
8:19	-	-	8:19	0.0	-	8:19	0.0	-	-
8:20	-	-	8:20	0.0	-	8:20	0.0	-	-
8:21	-	-	8:21	0.0	-	8:21	0.0	-	-