

SITE OBSERVATION REPORT

PROJECT NO. 170384501	CLIENT: 550 Clinton Partners LLC/539	DATE: Monday, Oct. 28, 2019
PROJECT: 805-825 Atlantic Avenue	Vanderbilt Partners LLC	WEATHER: Cloudy, 60s Wind: SE 5 mph
LOCATION: 805-825 Atlantic Avenue, Brooklyn, NY		TIME: 7:00am to 4:00 pm
CONTRACTOR: Regensis		LANGAN REP. : Tyler Goodnough
CONTRACTOR'S EQUIPMENT: Regensis – Trailer containing injection equipment	PRESENT AT SITE: Day 20 Tyler Goodnough - Langan Will Clogan and Rhys Goddard - Regensis	

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to implement the August 20, 2019 Remedial Design – In-Situ Groundwater Remediation Technical Memorandum (Tech Memo) for the for BCP site C224228 at 805-825 Atlantic Avenue (Block 2010, Lots 1 and 59). Observed activities were as follows:

Site Activities

- Triton cleared demolition debris with a Bobcat to uncover monitoring wells MW-112 and MW-111.
- Regensis injected PlumeStop solution into six injection points (IP-01, IP-03, IP-04, IP-09, IP-10, and IP-13). The solution was created in 300-gallon batches, which comprised of 231 gallons of water, and 69 gallons of PlumeStop. A total of 4,225 gallons of PlumeStop solution was injected into the six injection points. Flow rate and total volume of product injected into each well were calculated using in-series totalizers. PlumeStop volumes injected per injection point today and to date are provided in the table below:

Injection Point ID	Proposed Total Injection Volume of PlumeStop (gallons)	Total Volume Injected Today (gallons)	Total Volume Injected (gallons)
IP-01	2,651	346	346
IP-02	2,651		
IP-03	2,651	821	2,252
IP-04	2,651	539	539
IP-05	2,651		2,651
IP-06	2,651		2,651
IP-07	2,651		
IP-08	2,651		
IP-09	4,026	1,244	3,000
IP-10	1,325	618	1,325
IP-11	1,266		1,226
IP-12	2,651		
IP-13	4,026	657	4,044

Sampling:

- None

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Colin Anderson
			LANGAN

SITE OBSERVATION REPORT

CAMP Activities

- Langan did not perform community air monitoring because there were no soil intrusive activities. Volatile organic compound (VOC) readings were periodically collected along the perimeter of the site with a handheld photoionization detector (PID). Recorded VOC concentrations did not exceed 0.0.

Anticipated Activities

- Regensis will continue injection of PlumeStop per the Tech Memo.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

FIGURE 1: REMEDIAL DESIGN



Legend:

- Injection locations
- PlumeStop totes
- Regenesis trailer

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Tyler Goodnough
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SITE OBSERVATION REPORT

SITE PHOTOGRAPHS



Photo 1: Bobcat clearing demo debris to uncover monitoring well MW-112, looking southwest.



Photo 2: Individual flow meters located inside the trailer, indicating instantaneous and total flow.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

PROJECT NO. 170384501	CLIENT: 550 Clinton Partners LLC/539 Vanderbilt Partners LLC	DATE: Tuesday, Oct. 29, 2019
PROJECT: 805-825 Atlantic Avenue		WEATHER: Light rain, 60s Wind: SE 5 mph
LOCATION: 805-825 Atlantic Avenue, Brooklyn, NY		TIME: 7:00am to 3:30 pm
CONTRACTOR: Regensis		LANGAN REP. : Tyler Goodnough
CONTRACTOR'S EQUIPMENT: Regensis – Trailer containing injection equipment	PRESENT AT SITE: Day 21 Tyler Goodnough - Langan Will Clogan and Rhys Goddard - Regensis	

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to implement the August 20, 2019 Remedial Design – In-Situ Groundwater Remediation Technical Memorandum (Tech Memo) for the for BCP site C224228 at 805-825 Atlantic Avenue (Block 2010, Lots 1 and 59). Observed activities were as follows:

Site Activities

- Regensis injected PlumeStop solution into six injection points (IP-01, IP-03, IP-04, IP-08, IP-09, and IP-12). The solution was created in 300-gallon batches, which comprised of 231 gallons of water, and 69 gallons of PlumeStop. About 4,250 gallons of PlumeStop solution was injected into the six injection points. Flow rate and total volume of product injected into each well were calculated using in-series totalizers. PlumeStop volumes injected per injection point today and to date are provided in the table below:

Injection Point ID	Proposed Total Injection Volume of PlumeStop (gallons)	Total Volume Injected Today (gallons)	Total Volume Injected (gallons)
IP-01	2,651	1,495	1,841
IP-02	2,651		
IP-03	2,651	398	2,650
IP-04	2,651	1,065	1,604
IP-05	2,651		2,651
IP-06	2,651		2,651
IP-07	2,651		
IP-08	2,651	98	98
IP-09	4,026	1,017	4,017
IP-10	1,325		1,325
IP-11	1,266		1,226
IP-12	2,651	181	181
IP-13	4,026		4,044

Sampling:

- No samples were collected.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)	By: Tyler Goodnough
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SITE OBSERVATION REPORT

CAMP Activities

- Langan did not perform community air monitoring because there was no soil intrusive activities. Volatile organic compound (VOC) readings were periodically collected along the perimeter of the site with a handheld photoionization detector (PID). Recorded VOC concentrations did not exceed 0.0.

Anticipated Activities

- Regenesis will continue injection of PlumeStop per the Tech Memo

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Colin Anderson

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SITE OBSERVATION REPORT

FIGURE 1: REMEDIAL DESIGN



Legend:

- Injection locations
- PlumeStop totes
- Regenesis trailer

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Colin Anderson
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SITE OBSERVATION REPORT

SITE PHOTOGRAPHS



Photo 1: Hoses connected to injection points IP-01, IP-03, IP-04, and IP-09, looking east.



Photo 2: Close up of injection fitting and hose connected to injection point IP-04.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Colin Anderson

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SITE OBSERVATION REPORT

PROJECT NO. 170384501	CLIENT: 550 Clinton Partners LLC/539 Vanderbilt Partners LLC	DATE: Wednesday, Oct. 30, 2019
PROJECT: 805-825 Atlantic Avenue		WEATHER: Light rain, 60s Wind: SE 5 mph
LOCATION: 805-825 Atlantic Avenue, Brooklyn, NY		TIME: 7:00am to 4:00 pm
CONTRACTOR: Regensis		LANGAN REP. : Tyler Goodnough

CONTRACTOR'S EQUIPMENT: Regensis – Trailer containing injection equipment	PRESENT AT SITE: Tyler Goodnough - Langan Josh Grasser and Rhys Goddard - Regensis	Day 22
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OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to implement the August 20, 2019 Remedial Design – In-Situ Groundwater Remediation Technical Memorandum (Tech Memo) for the for BCP site C224228 at 805-825 Atlantic Avenue (Block 2010, Lots 1 and 59). Observed activities were as follows:

Site Activities

- Regensis injected PlumeStop solution into six injection points (IP-01, IP-02, IP-04, IP-07, IP-08, and IP-12). The solution was created in 300-gallon batches, which comprised of 231 gallons of water, and 69 gallons of PlumeStop. About 4,200 gallons of PlumeStop solution was injected into the six injection points. Flow rate and total volume of product injected into each well were calculated using in-series totalizers. PlumeStop volumes injected per injection point today and to date are provided in the table below:

Injection Point ID	Proposed Total Injection Volume of PlumeStop (gallons)	Total Volume Injected Today (gallons)	Total Volume Injected (gallons)
IP-01	2,651	810	2,651
IP-02	2,651	629	629
IP-03	2,651		2,650
IP-04	2,651	1,047	2,651
IP-05	2,651		2,651
IP-06	2,651		2,651
IP-07	2,651	422	422
IP-08	2,651	817	915
IP-09	4,026		4,017
IP-10	1,325		1,325
IP-11	1,266		1,226
IP-12	2,651	475	656
IP-13	4,026		4,044

Sampling:

- None

Cc: K. Del Col, S. Knoop, M. Burke (Langan)	By: Tyler Goodnough
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SITE OBSERVATION REPORT

CAMP Activities

- Langan did not perform community air monitoring because there was no soil intrusive activities. Volatile organic compound (VOC) readings were periodically collected along the perimeter of the site with a handheld photoionization detector (PID). Recorded VOC concentrations did not exceed 0.0.

Anticipated Activities

- Regenesis will continue injection of PlumeStop per the Tech Memo

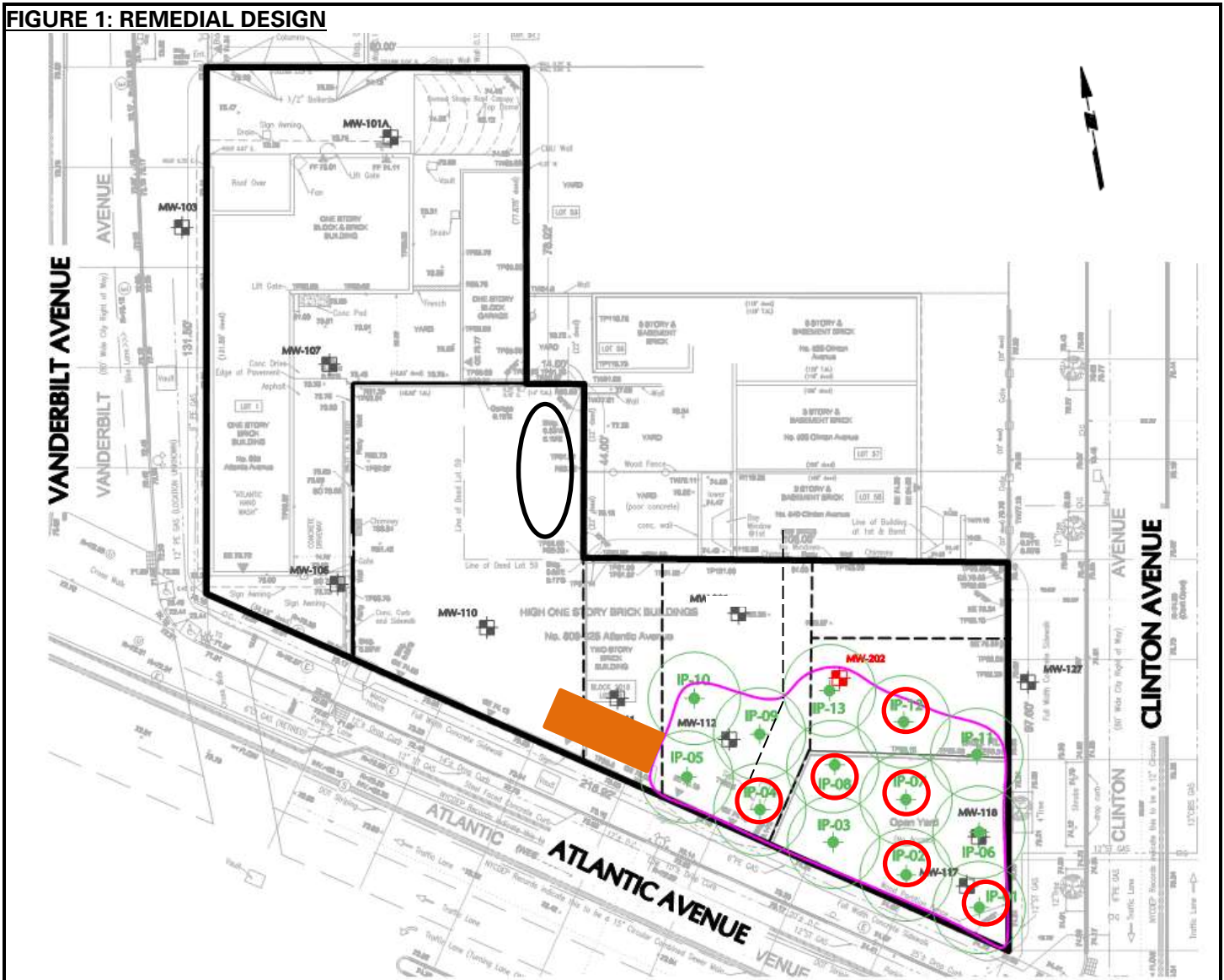
Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

FIGURE 1: REMEDIAL DESIGN



Legend:

- Injection locations
- PlumeStop totes
- Regenesis trailer

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Tyler Goodnough LANGAN
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SITE OBSERVATION REPORT

SITE PHOTOGRAPHS



Photo 1: Hoses connected to injection points IP-07, IP-08, and IP-12, looking northeast.



Photo 2: Hose connected to injection point IP-01, looking west.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

PROJECT NO. 170384501	CLIENT: 550 Clinton Partners LLC/539 Vanderbilt Partners LLC	DATE: Thursday, Oct. 31, 2019
PROJECT: 805-825 Atlantic Avenue		WEATHER: Light rain, 60s Wind: SE 10 mph
LOCATION: 805-825 Atlantic Avenue, Brooklyn, NY		TIME: 7:00am to 3:30 pm
CONTRACTOR: Regensis		LANGAN REP. : Tyler Goodnough
CONTRACTOR'S EQUIPMENT: Regensis – Trailer containing injection equipment	PRESENT AT SITE: Day 23 Tyler Goodnough - Langan Josh Grasser and Rhys Goddard - Regensis	

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to implement the August 20, 2019 Remedial Design – In-Situ Groundwater Remediation Technical Memorandum (Tech Memo) for the for BCP site C224228 at 805-825 Atlantic Avenue (Block 2010, Lots 1 and 59). Observed activities were as follows:

Site Activities

- Regensis injected PlumeStop solution into four injection points (IP-02, IP-07, IP-08, and IP-12). The solution was created in 300-gallon batches, which comprised of 231 gallons of water, and 69 gallons of PlumeStop. About 4,500 gallons of PlumeStop solution was injected into the four injection points. Flow rate and total volume of product injected into each well were calculated using in-series totalizers. PlumeStop volumes injected per injection point today and to date are provided in the table below:

Injection Point ID	Proposed Total Injection Volume of PlumeStop (gallons)	Total Volume Injected Today (gallons)	Total Volume Injected (gallons)
IP-01	2,651		2,651
IP-02	2,651	1,183	1,812
IP-03	2,651		2,650
IP-04	2,651		2,651
IP-05	2,651		2,651
IP-06	2,651		2,651
IP-07	2,651	1,706	2,128
IP-08	2,651	855	1,770
IP-09	4,026		4,017
IP-10	1,325		1,325
IP-11	1,266		1,226
IP-12	2,651	756	1,412
IP-13	4,026		4,044

Sampling:

- None

Cc: K. Del Col, S. Knoop, M. Burke (Langan)	By: Tyler Goodnough
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SITE OBSERVATION REPORT

CAMP Activities

- Langan did not perform community air monitoring because there was no soil intrusive activities. Volatile organic compound (VOC) readings were periodically collected along the perimeter of the site with a handheld photoionization detector (PID). Recorded VOC concentrations did not exceed 0.0.

Anticipated Activities

- Regenesis will continue injection of PlumeStop and Nutrisulfate per the Tech Memo

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

FIGURE 1: REMEDIAL DESIGN



Legend:

- Injection locations
- PlumeStop totes
- Regenesis trailer

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Tyler Goodnough
			LANGAN

SITE OBSERVATION REPORT

SITE PHOTOGRAPHS



Photo 1: Hoses connected to injection points IP-07 and IP-08, looking west.



Photo 2: Regensis using a forklift to move PlumeStop totes to the injection area.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

PROJECT NO. 170384501	CLIENT: 550 Clinton Partners LLC/539	DATE: Friday, Nov. 1, 2019
PROJECT: 805-825 Atlantic Avenue	Vanderbilt Partners LLC	WEATHER: Sunny, 50s Wind: SE 15 mph
LOCATION: 805-825 Atlantic Avenue, Brooklyn, NY		TIME: 7:00am to 3:30 pm
CONTRACTOR: Regensis		LANGAN REP. : Tyler Goodnough
CONTRACTOR'S EQUIPMENT: Regensis – Trailer containing injection equipment	PRESENT AT SITE: Day 24 Tyler Goodnough - Langan Josh Grasser and Rhys Goddard - Regensis	

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to implement the August 20, 2019 Remedial Design – In-Situ Groundwater Remediation Technical Memorandum (Tech Memo) for the for BCP site C224228 at 805-825 Atlantic Avenue (Block 2010, Lots 1 and 59). Observed activities were as follows:

Site Activities

- Regensis injected PlumeStop solution into four injection points (IP-02, IP-07, IP-08, and IP-12). The solution was created in 300-gallon batches, which comprised of 231 gallons of water, and 69 gallons of PlumeStop. About 2,758 gallons of PlumeStop solution was injected into the four injection points. Flow rate and total volume of product injected into each well were calculated using in-series totalizers. PlumeStop volumes injected per injection point today and to date are provided in the table below:

Injection Point ID	Proposed Total Injection Volume of PlumeStop (gallons)	Total Volume Injected Today (gallons)	Total Volume Injected (gallons)
IP-01	2,651		2,651
IP-02	2,651	839	2,651
IP-03	2,651		2,650
IP-04	2,651		2,651
IP-05	2,651		2,651
IP-06	2,651		2,651
IP-07	2,651	375	2,503
IP-08	2,651	885	2,655
IP-09	4,026		4,017
IP-10	1,325		1,325
IP-11	1,266		1,226
IP-12	2,651	659	2,071
IP-13	4,026		4,044

- Regensis injected 300 gallons of Nutrisulfate-LT granular (Nutrisulfate) mixture into IP-04. The Nutrisulfate solution was created in 100 gallon batches, which comprised of 100 gallons of water mixed with approximately 42 pounds of Nutrisulfate.

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Tyler Goodnough
			LANGAN

SITE OBSERVATION REPORT

Sampling:

- None

CAMP Activities

- Langan did not perform community air monitoring because there was no soil intrusive activities. Volatile organic compound (VOC) readings were periodically collected along the perimeter of the site with a handheld photoionization detector (PID). Recorded VOC concentrations did not exceed 0.0.

Anticipated Activities

- Regenesis will continue injection of PlumeStop and Nutrisulfate per the Tech Memo

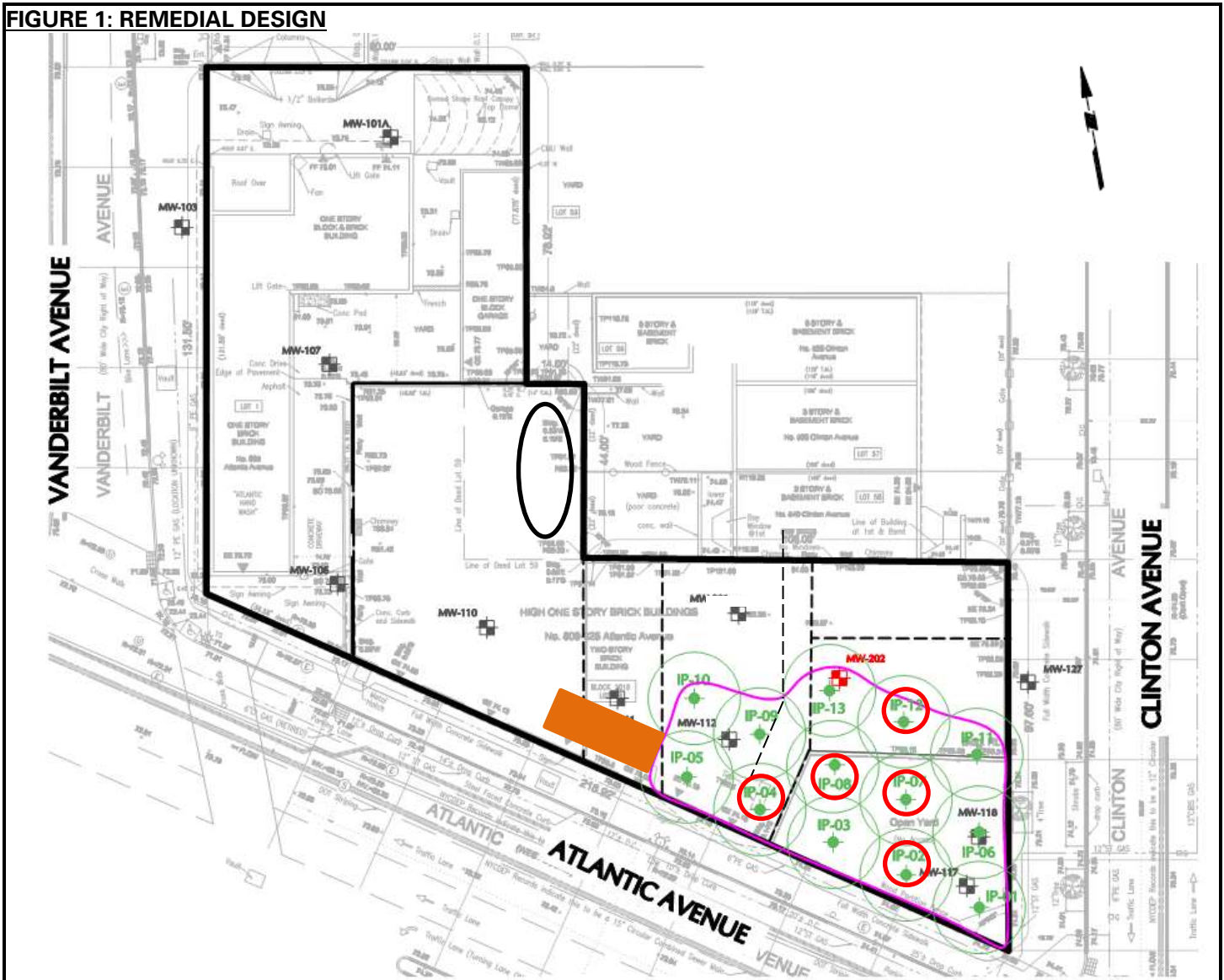
Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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SITE OBSERVATION REPORT

FIGURE 1: REMEDIAL DESIGN



Legend:

- Injection locations
- PlumeStop totes
- Regenesis trailer

Cc:	K. Del Col, S. Knoop, M. Burke (Langan)	By:	Tyler Goodnough
			LANGAN

SITE OBSERVATION REPORT

SITE PHOTOGRAPHS



Photo 1: Hoses connected to injection points IP-02, IP-07, IP-08, and IP-12 looking east.



Photo 2: Regeneration mixing and injecting Nutrisulfate at IP-04, looking south.

Cc: K. Del Col, S. Knoop, M. Burke (Langan)

By: Tyler Goodnough

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