DAILY FIELD REPORT 001

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Sunny	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP Project No:	C241174	**Date:**	September 1, 2021
Project Name:	ABC Block 26 – SRI No.3	**Time:**	8:00 am to 5:30 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Subcontractor: AARCO Environmental Services Corp. (AARCO)

Langan Field Personnel:
Andrew Nesci
Caroline Grattan
Elsah Boak

Work Activities Performed:

Langan began implementing Supplemental Remedial Investigation (SRI) No. 3 in accordance with the August 12, 2021 New York State Department of Environmental Conservation (NYSDEC)-approved Supplemental Remedial Investigation Work Plan (SRIWP) No. 3.

- AARCO used a Geoprobe® 7822DT equipped with hollow stem augers to advance four soil borings to install permanent groundwater monitoring wells MW20S, MW20D, MW21S, and MW21D.
    - MW20S was advanced to a depth of 11 feet below grade surface (bgs).
        - The permanent monitoring well was constructed using a 10-foot long, 2-inch diameter, 0.01-inch slotted, Schedule 40 polyvinyl chloride (PVC) well screen placed across the observed water table and solid PVC riser. Clean sand (Morie No. 1) was used to backfill the annulus around the screen up to about 1 foot above the top of the screened interval followed by a hydrated bentonite/grout slurry seal to the surface. The well was finished flushed to surrounding grade with a metal access cover.
    - MW20D was advanced to a depth of 24 feet bgs.
        - The permanent monitoring well was constructed using a 10-foot long, 2-inch diameter, 0.01-inch slotted, Schedule 40 PVC well screen placed across the observed water table and a solid PVC riser. Clean sand (Morie No. 1) was used to backfill the annulus around the screen up to about 1 foot above the top of the screened interval followed by a hydrated bentonite/grout slurry seal to the surface. The well was finished flushed to surrounding grade with a metal access cover.
    - MW21S was advanced to a depth of 9 feet bgs.
        - The permanent monitoring well was constructed using a 9-foot long, 2-inch diameter, 0.01-inch slotted, Schedule 40 PVC well screen placed across the observed water table. Clean sand (Morie No. 1) was used to backfill the annulus around the screen up to about 1 foot above the top of the screened interval followed by a hydrated bentonite/grout slurry seal to the surface. The well was finished flushed to surrounding grade with a metal access cover.
    - MW21D was advanced to a depth of 18 feet bgs.
        - The permanent monitoring well was constructed using a 7-foot long, 2-inch diameter, 0.01-inch slotted, Schedule 40 PVC well screen placed across the observed water table and a solid PVC riser. Clean sand (Morie No. 1) was used to backfill the annulus around the screen up to about 1 foot above the top of the screened interval followed by a hydrated bentonite/grout slurry seal to the surface. The well was finished flushed to surrounding grade with a metal access cover.
- AARCO used a submersible whale pump to develop monitoring wells MW20S, MW20D, MW21S, and MW21D until purged groundwater was observed to be clear and free of sediment.

Groundwater Gauging Results			
Monitoring Well	**Depth to Product (feet below top of casing)**	**Depth to Water (feet below top of casing)**	**Product Thickness (feet)**
MW08D	N/A	12.80	N/A
MW30S	N/A	9.24	N/A
MW30D	12.07	12.30	0.23
MW31S	N/A	8.00	N/A
MW31D	N/A	12.14	N/A
MW33S	5.42	5.43	0.01
MW33D	N/A	9.84	N/A
N/A = Not Applicable			

Samples Collected:

The following groundwater samples were collected and submitted for laboratory analysis of Target Compound List (TCL) volatile organic compounds (VOC), semivolatile organic compounds (SVOC), sulfate, and sulfide:

- C241174_MW08D_090121
- C241174_MW30D_090121
- C241174_MW33S_090121

The following groundwater samples were collected and submitted for laboratory analysis of dissolved SVOCs:

- C241174_MW08D(DS)_090121
- C241174_MW30D(DS)_090121
- C241174_MW33S(DS)_090121

Material Tracking:

Soil cuttings generated from monitoring well installation consisted of historical fill and native soil and exhibited signs of petroleum- or chemical-like impacts. Soil cuttings generated from monitoring well installation were containerized into one United Nations/Department of Transportation (UN/DOT)-approved 55-gallon drum. AARCO transported the drum for off-site disposal to the Dale Transfer Corp. facility in West Babylon, New York.

Purged groundwater from groundwater sampling and monitoring well development was containerized into two UN/DOT-approved 55-gallon drums. The drum will be transported to a permitted receiving facility for off-site disposal at a later date.

Planned Activities:

- Langan will continue implementing SRI No. 3.

Photo Log

Photo 1: View of AARCO installing monitoring well MW20D.	
Photo 2: View of Langan sampling monitoring well MW30D.	

File Name: 2021-09-01 ABC Block 26 SRI No. 3 - Daily Field Report_001

DAILY FIELD REPORT 002

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Sunny	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP Project No:	C241174	**Date:**	September 2, 2021
Project Name:	ABC Block 26 – SRI No.3	**Time:**	8:00 am to 5:30 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Subcontractor: None.

Langan Field Personnel:
Andrew Nesci
Elsah Boak

Work Activities Performed:

Langan continued implementation of Supplemental Remedial Investigation (SRI) No. 3 in accordance with the August 12, 2021 New York State Department of Environmental Conservation (NYSDEC)-approved Supplemental Remedial Investigation Work Plan (SRIWP) No. 3.

Groundwater Gauging Results

Monitoring Well	Depth to Product (feet below top of casing)	Depth to Water (feet below top of casing)	Product Thickness (feet)
MW08S	N/A	7.24	N/A
MW10S	N/A	5.12	N/A

N/A = Not Applicable

Samples Collected:

The following groundwater samples were collected and submitted for laboratory analysis of Target Compound List (TCL) volatile organic compounds (VOC), semivolatile organic compounds (SVOC), sulfate, and sulfide:

- C241174_MW08S_090621
- C241174_MW10D_090621

The following groundwater samples were collected and submitted for laboratory analysis of dissolved SVOCs:

- C241174_MW08S(DS)_090621
- C241174_MW10D(DS)_090621

Material Tracking:

Purged groundwater was containerized into one United Nations/Department of Transportation (UN/DOT)-approved 55-gallon drum. The drum will be transported to a permitted receiving facility for off-site disposal at a later date.

Planned Activities:

- Langan will continue implementing SRI No. 3.

Photo Log

Photo 1: View of Langan sampling monitoring well MW08S.	

File Name: 2021-09-02 ABC Block 26 SRI No. 3 - Daily Field Report_002

DAILY FIELD REPORT 003

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Sunny	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP Project No:	C241174	**Date:**	September 7, 2021
Project Name:	ABC Block 26 – SRI No.3	**Time:**	8:00 am to 5:30 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Subcontractor: None.

Langan Field Personnel:
Elsah Boak

Work Activities Performed:

Langan continued implementation of Supplemental Remedial Investigation (SRI) No. 3 in accordance with the August 12, 2021 New York State Department of Environmental Conservation (NYSDEC)-approved Supplemental Remedial Investigation Work Plan (SRIWP) No. 3.

Groundwater Gauging Results

Monitoring Well	Depth to Product (feet below top of casing)	Depth to Water (feet below top of casing)	Product Thickness (feet)
MW06S	N/A	6.05	N/A
MW06D	N/A	9.10	N/A
MW19D	8.92	13.10	4.18
MW25D	8.30	9.37	1.07
MW26D	9.64	10.03	0.39

N/A = Not Applicable

Samples Collected:

The following groundwater samples were collected and submitted for laboratory analysis of Target Compound List (TCL) volatile organic compounds (VOC), semivolatile organic compounds (SVOC), sulfate, and sulfide:

- C241174_MW06S_090721
- C241174_MW06D_090721

The following groundwater samples were collected and submitted for laboratory analysis of dissolved SVOCs:

- C241174_MW06S(DS)_090721
- C241174_MW06D(DS)_090721

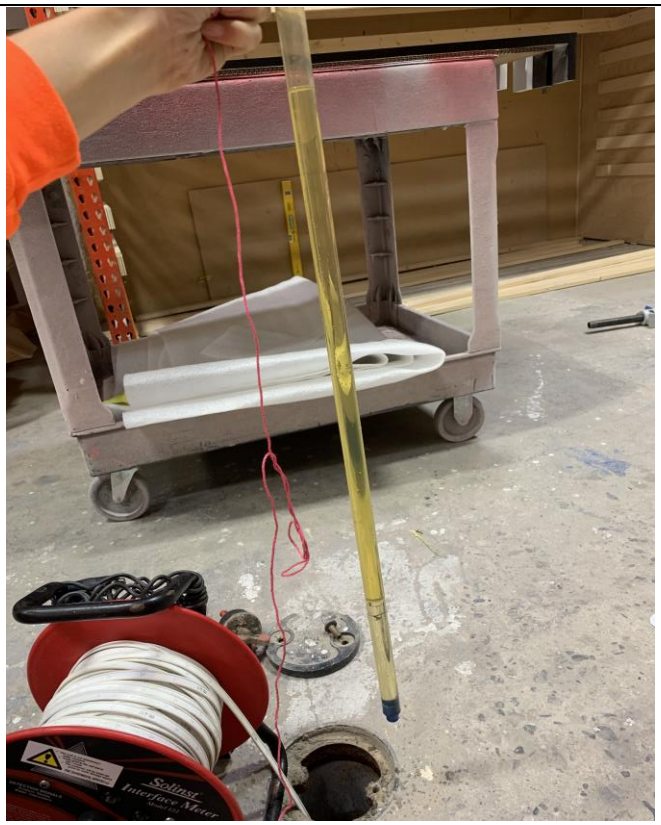
Material Tracking:

Purged groundwater was containerized into one United Nations/Department of Transportation (UN/DOT)-approved 55-gallon drum. The drum will be transported to a permitted receiving facility for off-site disposal at a later date.

Planned Activities:

- Langan will continue implementing SRI No. 3.

Photo Log

Photo 1: View of product observed in MW25D.	

File Name: 2021-09-07 ABC Block 26 SRI No. 3 - Daily Field Report_003

DAILY FIELD REPORT 004

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Sunny	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP Project No:	C241174	**Date:**	September 8, 2021
Project Name:	ABC Block 26 – SRI No.3	**Time:**	8:00 am to 5:30 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Subcontractor: None.

Langan Field Personnel:
Elsah Boak

Work Activities Performed:

Langan continued implementation of Supplemental Remedial Investigation (SRI) No. 3 in accordance with the August 12, 2021 New York State Department of Environmental Conservation (NYSDEC)-approved Supplemental Remedial Investigation Work Plan (SRIWP) No. 3.

Groundwater Gauging Results			
Monitoring Well	**Depth to Product (feet below top of casing)**	**Depth to Water (feet below top of casing)**	**Product Thickness (feet)**
MW10D	8.87	10.56	1.69

Samples Collected:

- None.

Material Tracking:

- None.

Planned Activities:

- Langan will continue implementing SRI No. 4.

Photo Log

Photo 1: View of product observed in monitoring well MW10D.