

APPENDIX F – MONTHLY REPORTS



Project Progress Report No. 1 Reporting Period: July 2016

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To: Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 1 - July 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184

Date: August 19, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 1 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2016

- On 7/6/2016, DPR submitted the revised Project Management Plan to the Environmental Protection Agency (EPA).
- On 7/7/2016, the Removal Order referenced above was finalized by EPA and has been received by DPR.
- On 7/15/2016, TRC submitted Draft 50% Contract Drawings and the Draft Schematic Cost Estimate to DPR for review.



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- On 7/25/2016, the Preliminary design package submission was approved by the Public Design Commission (PDC).
- On 7/28/2016, the Environmental Protection Agency (EPA) approved the revised Project Management Plan dated 7/6/2016.
- On 7/28/2016, DPR received EPA comments to the Interim Design Plan.
- On 6/6/2016, DPR published a page on its website dedicated to the Red Hook Recreation Area Remediation¹ for the general public regarding the removal action at Ball Fields 5 through 8 as well as all other fields within the park. The DPR webpage was updated on August 8, 2016. On 7/22/2016, DPR announced that it would hold a public meeting jointly with EPA on August 4, 2016, to discuss the time frame and scope of the removal action and update park users on the status of the other fields within the park.
- On 7/29/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated August 1, 2016. The Monthly Inspection Report is included as Appendix A. The inspection did not identify any conditions which require corrective actions with the exception of the following:
 - Addition of wood chips to the tree pits along Henry Street.
 - Addition of wood chips to the planting strip along Henry Street.
 - Addition of wood chips to the tree pits along Lorraine Street.
 - Addition of wood chips and repair of the fencing of the planting strip along Lorraine Street.
 - Addition of wood chips to the tree pits along Hicks Street.
 - Addition of wood chips to the tree pits along Bay Street.
 - Addition of wood chips and repair of the fencing of the planting strip along Bay Street.

The above-listed corrective actions were initiated on 8/1/2016 and completed on 8/3/2016. Please note that the street tree pits are covered with an approximately 1 to 2-inch layer of wood chips. Due to the grade of the soil in the street tree pits it is not possible to maintain a thicker layer of wood chips.

Problems Encountered and Resolutions – July 2016

No problems were encountered.

Analytical Data Received – July 2016

No analytical data was received during July 2016. On 6/22/2016, DPR submitted the Infiltration, Soil and Groundwater Testing Report to the EPA. On 6/17/2016, TRC submitted the Geotechnical Investigation Report to DPR for review.

¹ <https://www.nycgovparks.org/about/whats-happening/red-hook-park-remediation>



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Upcoming Activities – August 2016

- Corrective actions related to the Interim Removal Measures, including the additional of wood chips and repair of the fencing in various areas, were completed by 8/3/2016. Corrective actions will be inspected and documented in the next Project Progress Report.
- Monthly inspection of the Interim Removal Measures in August 2016.
- DPR to issue revised Interim Design Plan to EPA for review on August 19, 2016.
- DPR to issue draft 50% Contract Drawings to EPA for review in August or September 2016.

Anticipated Problems and Planned Resolutions – August 2016

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

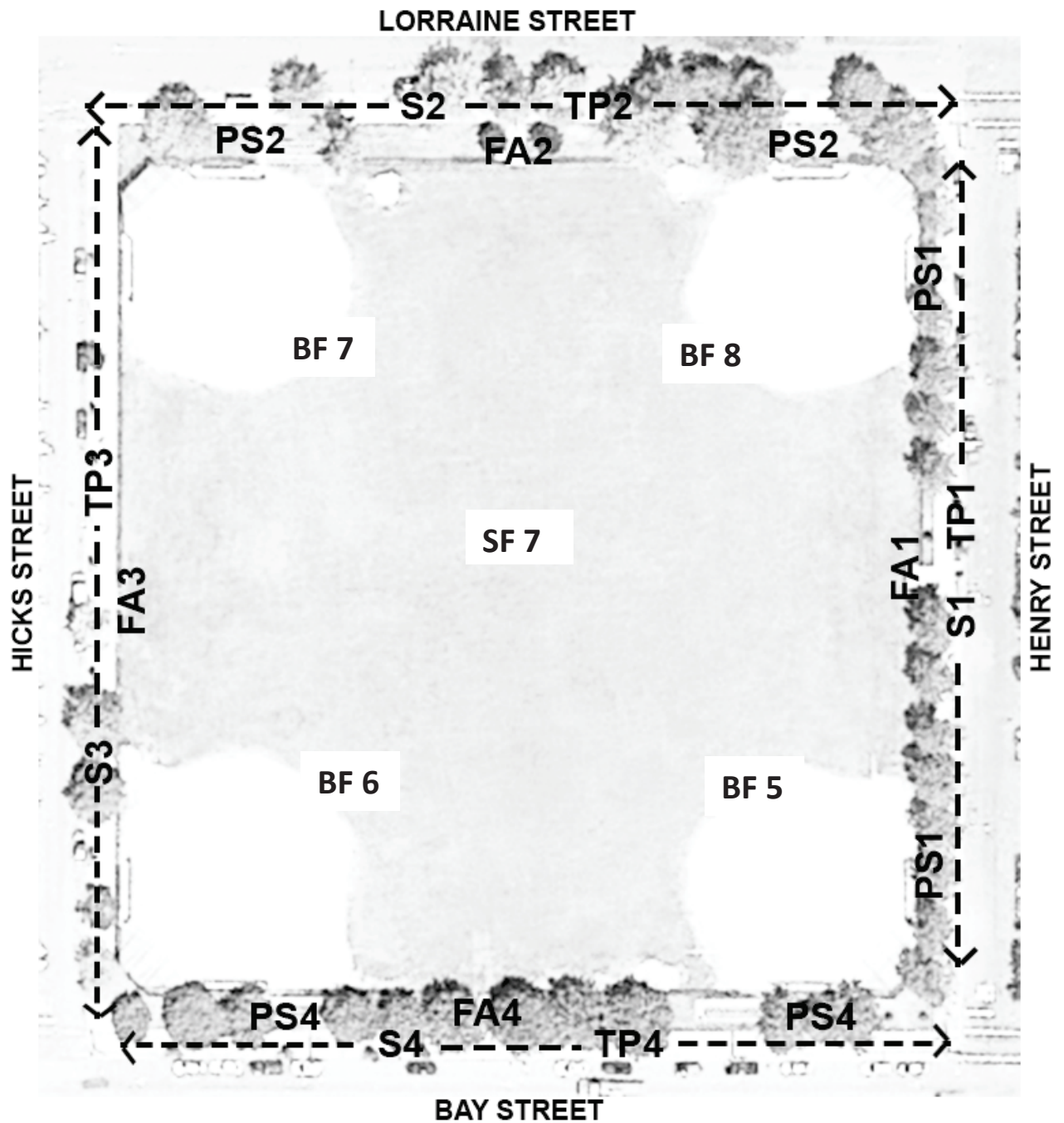
REPORT DATE	August 1, 2016
INSPECTION DATE	July 29, 2016
FOR MONTHLY PERIOD OF	July 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt Deputy Chief of Operations (718) 965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES NO		
TP1	TREES PITS – HENRY ST.	ARE THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	ANY WORN OR BARE SPOTS? YES NO	Woodchips are being added.
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES NO	IS THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	Woodchips are being added.
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES NO	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES NO	
S2	SIDEWALK – LORRAINE ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES NO		
TP2	TREES PITS – LORRAINE ST.	ARE THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	ANY WORN OR BARE SPOTS? YES NO	Woodchips are being added.
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES NO	IS THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	Woodchips are being added and fence is being repaired.

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN	LOCATION ON MAP
FA3	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES NO	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES NO	
S3	SIDEWALK – HICKS ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES NO		
TP3	TREES PITS – HICKS ST.	ARE THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	ANY WORN OR BARE SPOTS? YES NO	Woodchips are being added.
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES NO	IS SIGNAGE IN PLACE? YES NO	
S4	SIDEWALK – BAY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES NO		
TP4	TREES PITS – BAY ST.	ARE THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	ANY WORN OR BARE SPOTS? YES NO	Woodchips are being added.
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES NO	IS THERE 4-6 INCHES OF WOODCHIP COVERING? YES NO	Woodchips are being added and fence is being repaired.
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES NO	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES NO	
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES NO		
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES NO		
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES NO		
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES NO		

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES NO	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES NO	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 2

Reporting Period: August 2016

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To: Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 2 - August 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184

Date: September 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 2 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2016

- **50% Contract Drawings and Schematic Cost Estimate**
 - On 7/15/2016, TRC submitted Draft 50% Contract Drawings and the Draft Schematic Cost Estimate to DPR for review.
 - On 8/18/2016, TRC received DPR comments to the Draft 50% contract Drawings and Draft Schematic Cost Estimate.
- **Interim Design Plan**
 - On 7/28/2016, DPR received EPA comments to the Interim Design Plan.
 - On 8/25/2016, TRC submitted revised Interim Design Plan to DPR for review.



Project Progress Report No. 2

Reporting Period: August 2016

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- On 8/26/2016, DPR submitted revised Interim Design Plan to EPA for review.
- On 9/8/2016, DPR received EPA comments to the revised Interim Design Plan.
- On 8/4/2016, DPR held a public meeting jointly with EPA to discuss the time frame and scope of the removal action and update park users on the status of the other fields within the park.
- On 8/8/2016, DPR updated its website dedicated to the Red Hook Recreation Area Remediation¹ for the general public regarding the removal action at Ball Fields 5 through 8 as well as all other fields within the park.
- On 8/30/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated September 2, 2016. The Monthly Inspection Report is included as Appendix A. The inspection identified the following condition that requires corrective action:
 - Repair of the fencing of the planting strip along Bay Street.

The fencing was repaired on 8/30/2016.

Problems Encountered and Resolutions – August 2016

No problems were encountered.

Analytical Data Received – August 2016

No analytical data was received during August 2016.

Upcoming Activities – September 2016

- Monthly inspection of the Interim Removal Measures in September 2016.
- DPR to issue revised Interim Design Plan to EPA for review on or before September 22, 2016.
- TRC to issue draft 90% Contract Drawings to DPR for review in September 2016.

Anticipated Problems and Planned Resolutions – September 2016

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation

¹ <https://www.nycgovparks.org/about/whats-happening/red-hook-park-remediation>

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

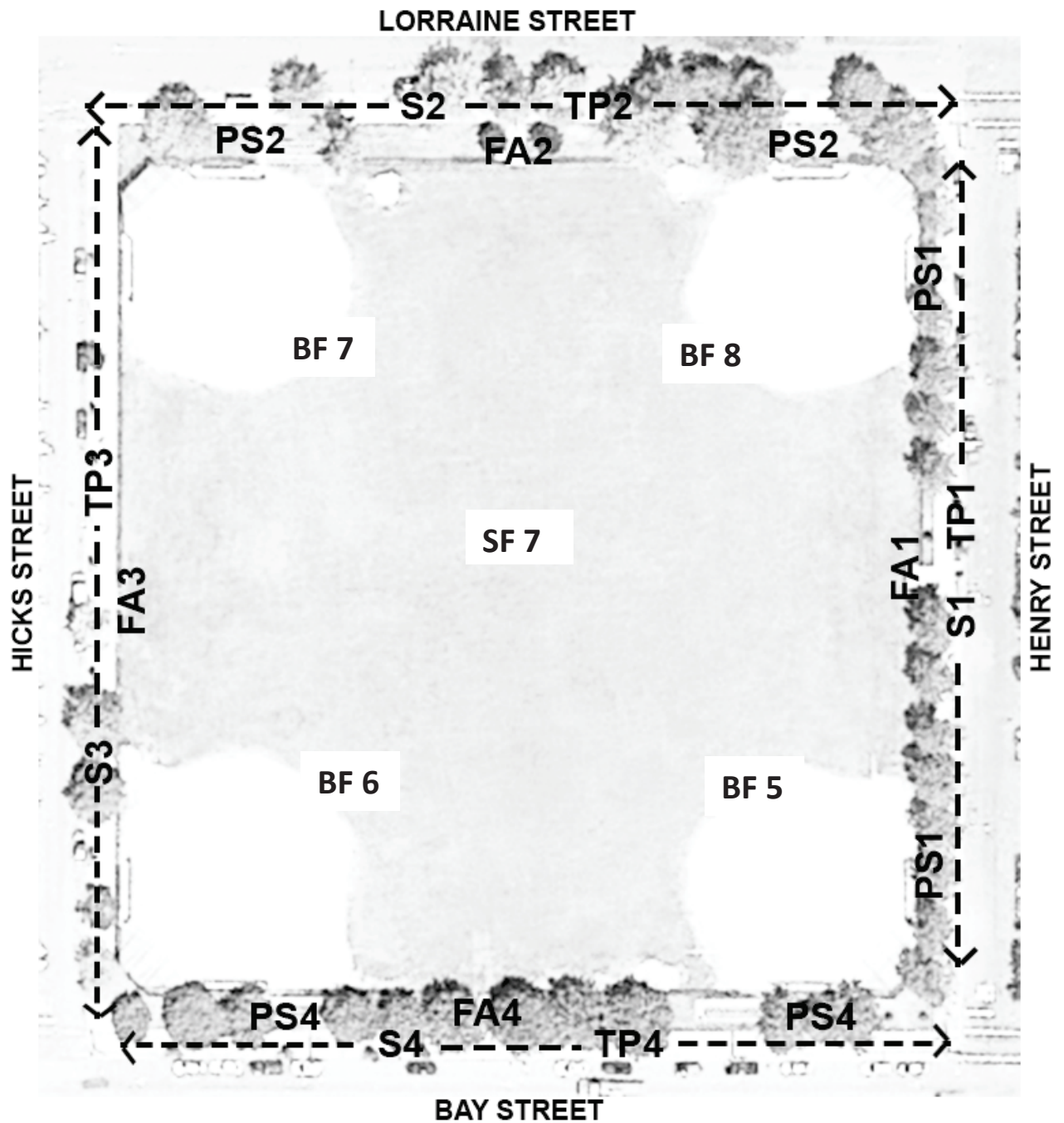
REPORT DATE	9/2/16
INSPECTION DATE	8/30/16
FOR MONTHLY PERIOD OF	August, 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA3	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	One portion of fence was damaged. Repaired at time of inspection on 8/30.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
F7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Site was last mowed on 7/27/16.

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 3 Reporting Period: September 2016

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To: Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 3 - September 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: October 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 3 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2016

- **90% Contract Drawings and Schematic Cost Estimate**
 - TRC continued preparation of the 90% contract drawings, specifications and cost estimate.
- **Interim Design Plan**
 - On 9/8/2016, DPR received EPA comments to the revised Interim Design Plan.
 - On 9/21/2016, TRC submitted the revised Interim Design Plan to DPR for review.
 - On 9/21/2016, DPR submitted the revised Interim Design Plan to EPA for review.
 - On 9/22/2016, EPA approved the Interim Design Plan dated 9/22/2016 pending minor revisions.



Project Progress Report No. 3 Reporting Period: September 2016

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- On 9/22/2016, TRC issued the revised Interim Design Plan to DPR for review.
- On 9/23/2016, DPR issued the revised Interim Design Plan to EPA for review.
- On 9/23/2016, EPA provided minor comments on the Interim Design Plan (schedule) to DPR.
- On 9/27/2016, TRC submitted the revised Interim Design Plan to DPR for review.
- On 9/27/2016, DPR submitted the revised Interim Design Plan to EPA for review.
- On 9/27/2016, EPA accepted the revised Interim Design Plan as final.
- On 9/20/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated September 21, 2016. The Monthly Inspection Report is included as Appendix A. The inspection identified the following condition that requires corrective action:
 - Repair of the fencing of the planting strip along Lorraine Street.

The fencing was repaired on 9/21/2016.

Problems Encountered and Resolutions – September 2016

No problems were encountered.

Analytical Data Received – September 2016

No analytical data was received.

Upcoming Activities – October 2016

- Monthly inspection of the Interim Removal Measures in October 2016.
- TRC to issue partial draft 90% Contract Drawings to DPR for review in October 2016.
- The public scope meeting for Ball Field 9 and Soccer Field 2 is scheduled for 6:00 pm on 10/18/2016.

Anticipated Problems and Planned Resolutions – October 2016

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

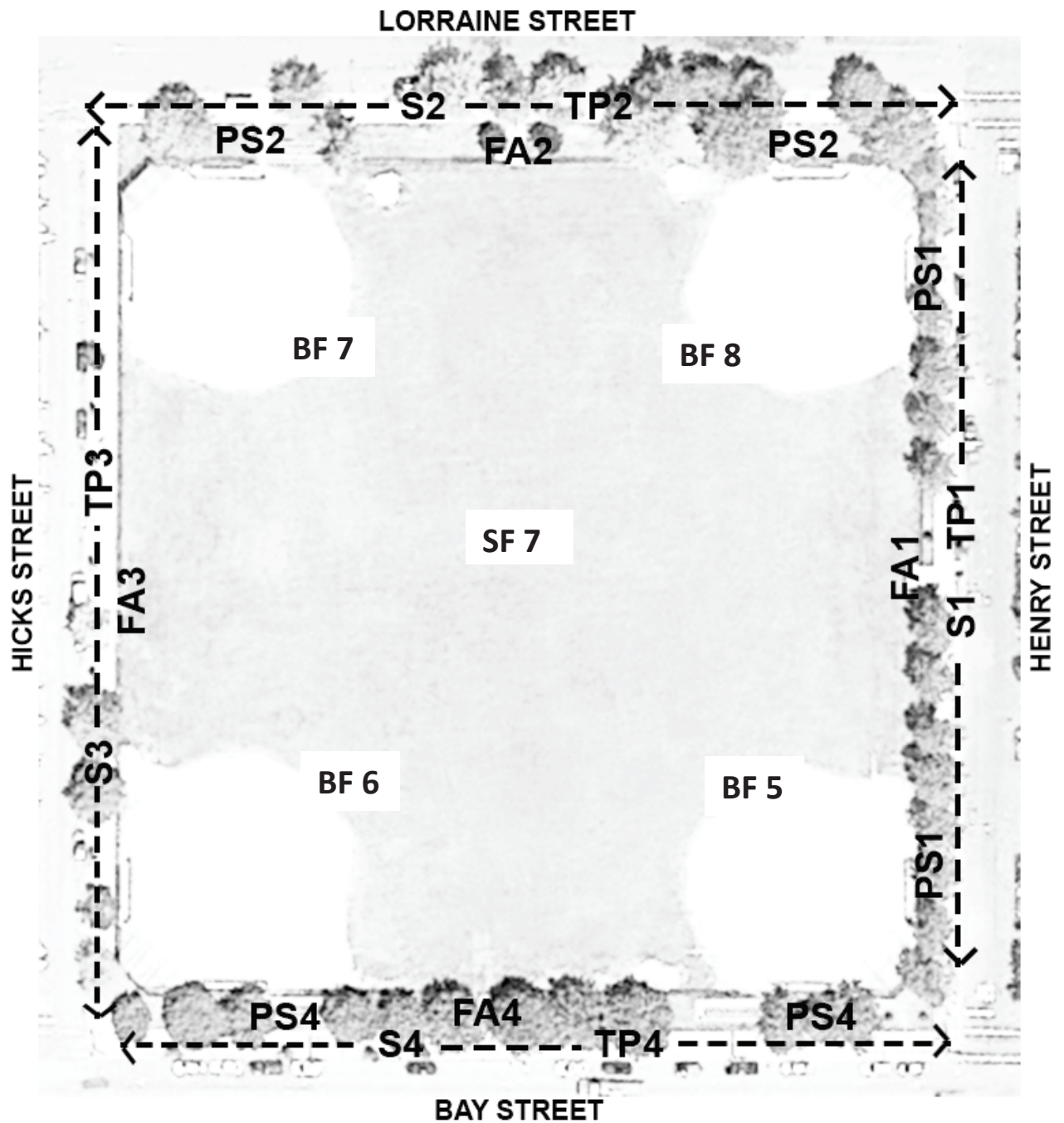
REPORT DATE	9/21/16
INSPECTION DATE	9/20/16
FOR MONTHLY PERIOD OF	September, 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	One fence post down at corner of Lorraine & Hicks. Repaired on 9/21/16.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Site was last mowed on 7/27/16.

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 4 Reporting Period: October 2016

Page 1 of 2

To: Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679
Attn: Daniel Gaughan

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 4 - October 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: November 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 4 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2016

- 90% Contract Drawings and Schematic Cost Estimate
 - TRC continued preparation of the 90% contract drawings, specifications and cost estimate.
- On 10/14/2016, TRC submitted a Supplemental Geotechnical Work Plan to DPR.
- On 10/14/2016, DPR submitted the Supplemental Geotechnical Work Plan to EPA.
- On 10/19/2016, EPA approved the Supplemental Geotechnical Work Plan.
- On 10/26/2016, TRC started the on-site activities for the Supplemental Geotechnical Investigation.



Project Progress Report No. 4 Reporting Period: October 2016

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- On 10/27/2016, TRC continued the on-site activities for the Supplemental Geotechnical Investigation.
- On 10/28/2016, TRC completed the on-site activities for the Supplemental Geotechnical Investigation.
- On 10/26/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 11/3/2016. The Monthly Inspection Report is included as Appendix A. The inspection identified the following condition that requires corrective action:
 - Repair of the fencing of the planting strip along Lorraine Street.

The fencing was repaired on 10/27/2016.

Problems Encountered and Resolutions – October 2016

No problems were encountered.

Analytical Data Received – October 2016

No analytical data was received.

Upcoming Activities – November 2016

- TRC to issue partial draft 90% Contract Drawings to DPR for review in November 2016.
- Monthly inspection of the Interim Removal Measures in October 2016.

Anticipated Problems and Planned Resolutions – November 2016

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

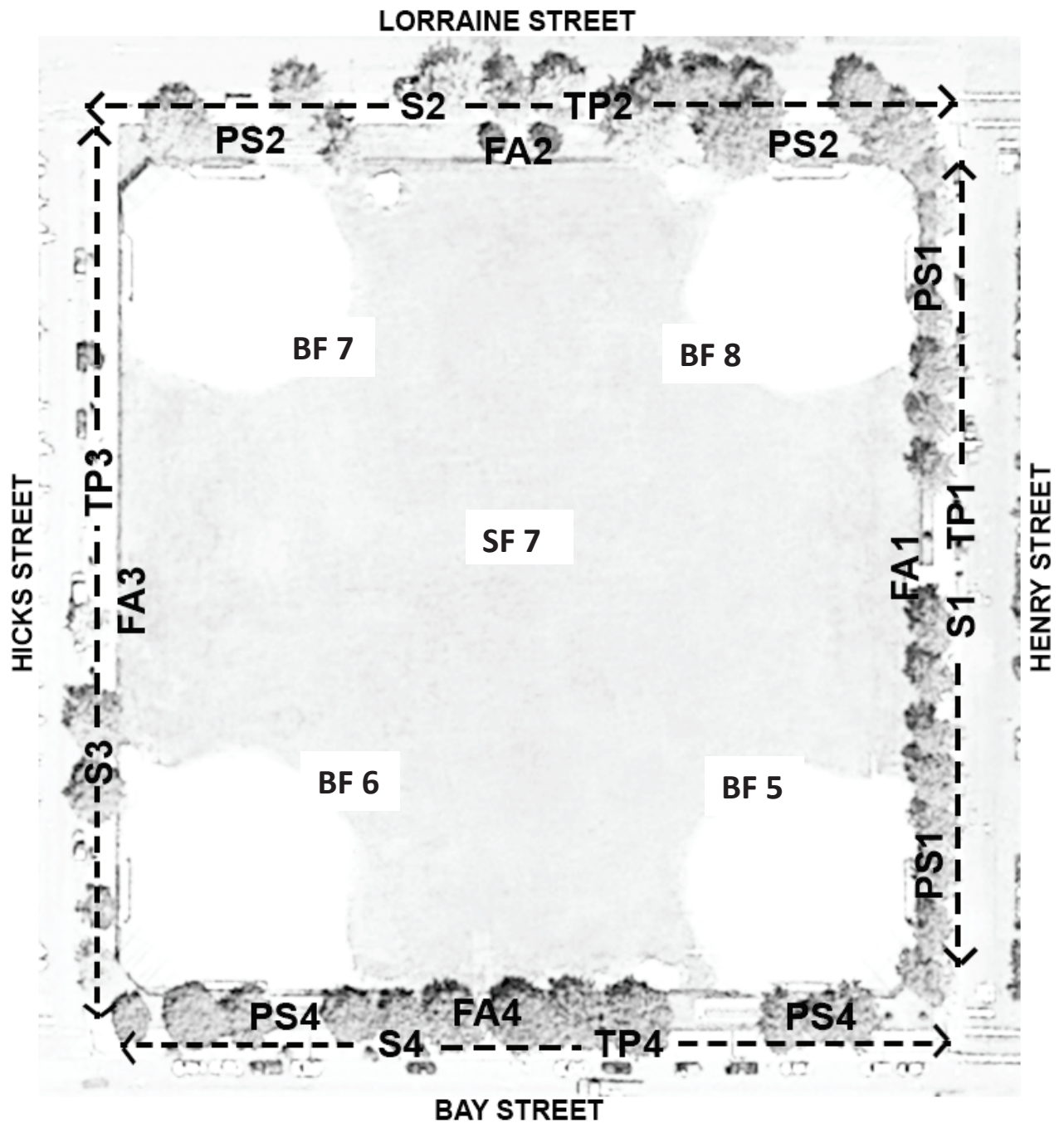
REPORT DATE	11/3/16
INSPECTION DATE	10/26/16
FOR MONTHLY PERIOD OF	October, 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	One fence post down at corner of Lorraine & Hicks. Repaired on 10/27/16.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Site was last mowed on 10/4/16.
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 5 Reporting Period: November 2016

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 5 - November 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: December 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 5 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2016

- 90% Contract Drawings and Schematic Cost Estimate
 - TRC continued preparation of the 90% contract drawings, specifications and cost estimate.
 - On 11/30/2016, TRC submitted partial 90% contract drawings to DPR.
- On 11/3/2016, TRC's mechanical, electrical and plumbing engineer subcontractor DVL, submitted the backflow prevention device application to DPR.
- On 11/15/2016, DPR issued the Monthly Progress Report No. 4 for October 2016 to EPA.
- On 11/28/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 12/6/2016. The



Project Progress Report No. 5 Reporting Period: November 2016

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Monthly Inspection Report is included as Appendix A. The inspection identified the following condition that required corrective action:

- Repair of the fencing of the planting strip at the intersection of Lorraine Street and Hick Street. The fencing was repaired on 11/29/2016.

Problems Encountered and Resolutions – November 2016

No problems were encountered.

Analytical Data Received – November 2016

No analytical data was received.

Upcoming Activities – December 2016

- TRC to issue remaining draft 90% Contract Drawings to DPR for review in December 2016.
- TRC to issue 90% specifications and cost estimate to DPR for review in December 2016.
- TRC to issue submission for Final Approval to the Public Design Commission (PDC) on 12/16/2106.
- TRC to continue preparation of the Design and Implementation Plan.
- Monthly inspection of the Interim Removal Measures in December 2016.

Anticipated Problems and Planned Resolutions – December 2016

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 11/28/2016

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

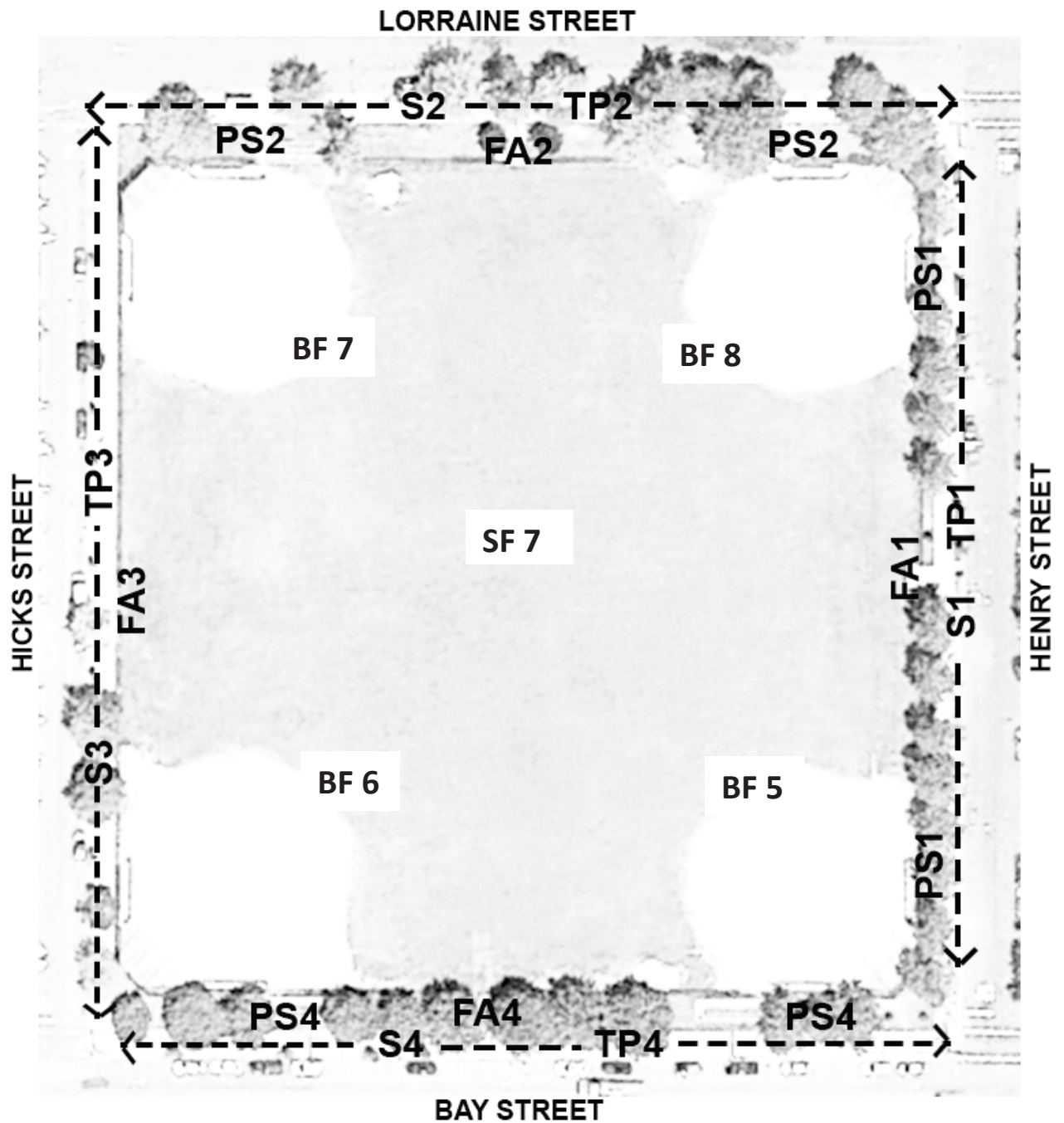
REPORT DATE	12/6/16
INSPECTION DATE	11/28/16
FOR MONTHLY PERIOD OF	November, 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence down at corner of Lorraine & Hicks. Repaired and reinforced on 11/29/16.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 6 Reporting Period: December 2016

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 6 - December 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593, Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 13, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 6 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2016 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Removal Order dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2016

- 90% Contract Drawings, Specifications and Cost Estimate
 - On 12/14/2016, TRC submitted 90% specifications to DPR.
 - On 12/16/2016, ABB submitted the Final Submission to PDC.
 - TRC continued preparation of the 90% cost estimate.
- On 12/2/2016, TRC submitted the drain line inspection video to DPR.
- On 12/12/2016, ABB submitted revocable consent form to DPR.
- On 12/13/2016, DPR submitted the BPP, and sidewalk construction phasing plan to NYC DOT.



Project Progress Report No. 6 Reporting Period: December 2016

Page 2 of 2

- On 12/15/2016, DPR issued the Monthly Progress Report No. 5 for November 2016 to EPA.
- On 12/23/2016, DPR submitted the revised Geotechnical Report to EPA.
- On 12/29/2016, TRC submitted the approved RPZ submission to DPR.
- On 12/29/2016, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 1/4/2017. The Monthly Inspection Report is included as Appendix A. No conditions were identified during the inspection that required corrective action.

Problems Encountered and Resolutions – December 2016

No problems were encountered.

Analytical Data Received – December 2016

No analytical data was received.

Upcoming Activities – January 2017

- TRC to issue 90% cost estimate and take-offs to DPR for review in January 2017.
- TRC to issue the Design and Implementation Plan to DPR for review in January 2017.
- Monthly inspection of the Interim Removal Measures in January 2017.

Anticipated Problems and Planned Resolutions – January 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 1/4/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

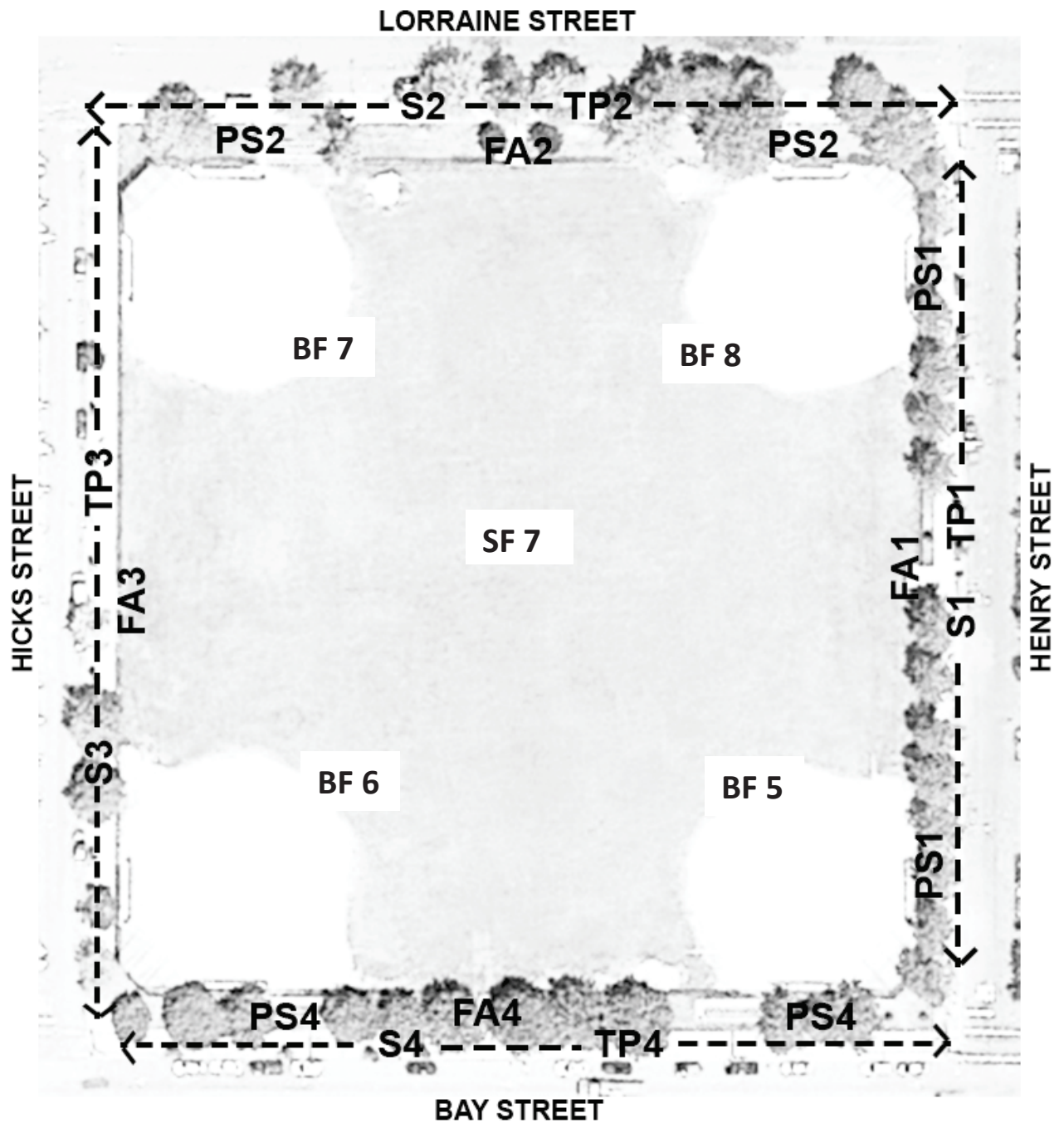
REPORT DATE	1/4/17
INSPECTION DATE	12/29/16
FOR MONTHLY PERIOD OF	December, 2016
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 7 Reporting Period: January 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 7 - January 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 7 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2017

- DPR continued review of the 90% Contract Drawings and Specifications.
- On 1/3/2017, ABB submitted the revocable consent submission to NYC DOT for review.
- On 1/16/2017, TRC submitted the draft Design and Implementation Plan to DPR.
- On 1/18/2017, PDC approved the final design submission.
- On 1/19/2017, TRC submitted the 90% Engineers Estimate and Take-offs to DPR.
- On 1/13/2017, DPR issued the Monthly Progress Report No. 6 for December 2016 to EPA.



Project Progress Report No. 7 Reporting Period: January 2017

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- On 1/27/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 2/2/2017. The Monthly Inspection Report is included as Appendix A. No conditions were identified during the inspection that required corrective action.

Problems Encountered and Resolutions – January 2017

No problems were encountered.

Analytical Data Received – January 2017

No analytical data was received.

Upcoming Activities – February 2017

- TRC to receive DPR comments to the 90% Contract Drawings/Specifications, Engineers Estimate, and Take-Offs in February 2017.
- Based on DPR comments on the 90% design submittals, TRC to revise the Contract Drawings/Specifications, Engineering Estimate/Take-Offs.
- TRC to receive comments on the draft Design and Implementation Plan from DPR.
- Monthly inspection of the Interim Removal Measures in February 2017.

Anticipated Problems and Planned Resolutions – February 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 2/2/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

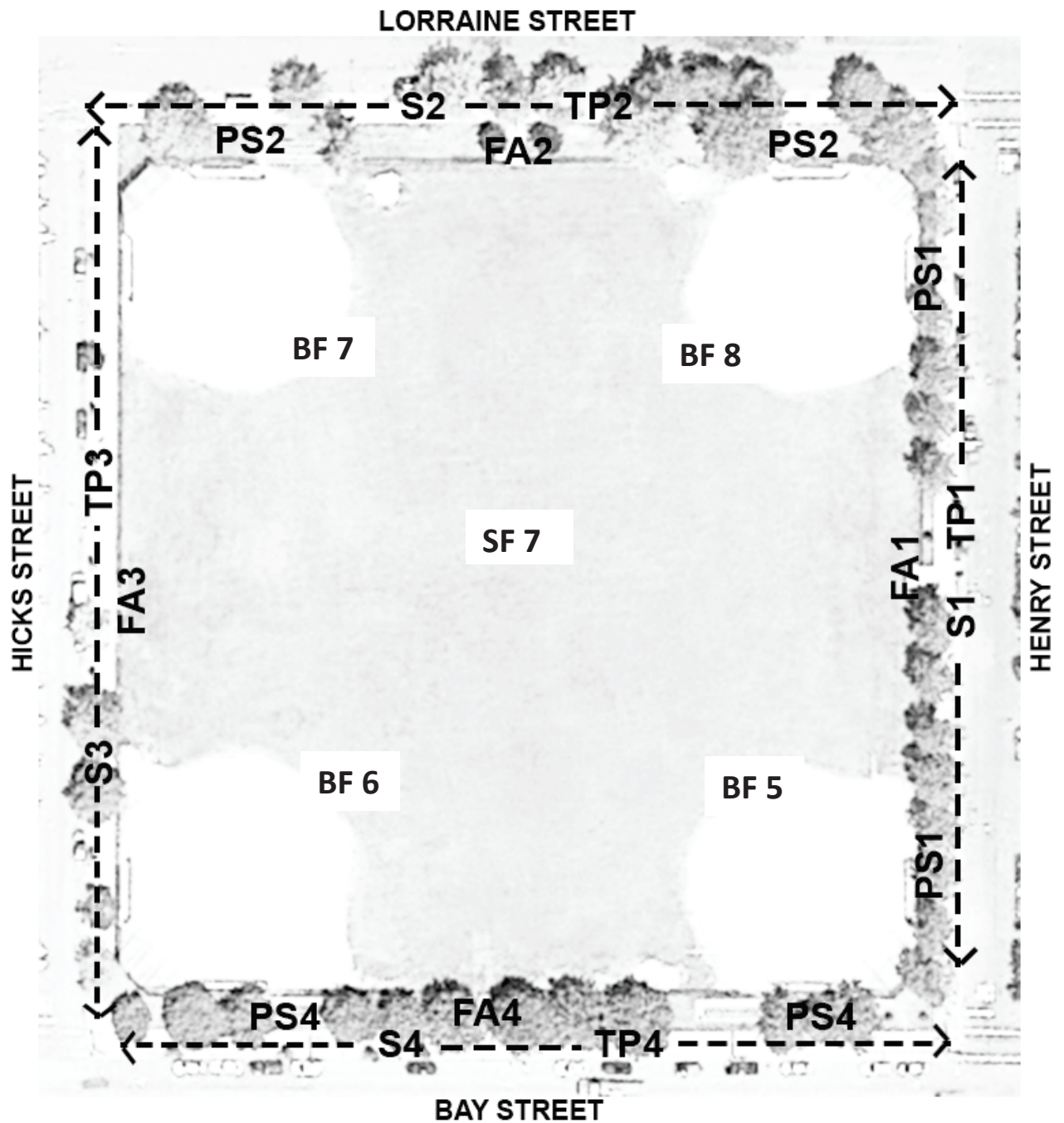
REPORT DATE	2/2/17
INSPECTION DATE	1/27/17
FOR MONTHLY PERIOD OF	January 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 8 Reporting Period: February 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 8 - February 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: March 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 8 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2017

- On 2/14/2017, DPR provided TRC with comments to the 90% Engineers Estimate.
- On 2/15/2017, DPR issued the Monthly Progress Report No. 7 for January 2017 to EPA.
- On 2/16/2017, DPR submitted a revised PMP to EPA.
- On 2/21/2017 and 2/22/2017, DPR provided TRC with partial comments to the 90% Contract Drawings and Specifications.
- On 2/22/2017, TRC performed Supplemental Soil Sampling to characterize the surface soil at Ball Fields 5 through 8 for total lead and leachable lead to assess the hazardous waste characteristics.



Project Progress Report No. 8

Reporting Period: February 2017

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- On 2/28/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 3/2/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified the following condition that required corrective action.
 - Repair of a section of range fencing located along Lorraine Street. The fencing was repaired on 3/1/2017.

Problems Encountered and Resolutions – February 2017

No problems were encountered.

Analytical Data Received – February 2017

The laboratory analytical results of the Supplemental Soil Sampling Performed by TRC were received. A summary of the results is provided below.

Total lead was detected in all 11 surface soil samples at concentrations ranging from 152 to 2,580 mg/kg. Eight (8) of the 11 surface soil samples exceeded the Restricted Residential Use Soil Cleanup Objectives (RRUSCO) and Removal Management Levels (RML) of 400 mg/kg for total lead at concentrations ranging from 563 to 2,580 mg/kg. The highest total lead levels were detected in the surface soil in the outfield areas and planting strip along Lorraine Street. Total lead was only detected in one of the infield clay samples (Ball Field 6) above the RRUSCO and RML.

Toxicity Characteristic Leaching Procedure (TCLP) lead was detected in three (3) of the surface soil samples (Grid Boxes 6, 7 and 8) collected from the infield at Ball Field 6 and outfields of Ball Fields 5 and 6 at concentrations ranging from 0.56 to 1.5 mg/L. None of the TCLP lead soil sample results exceeded the EPA hazardous waste toxicity characteristic criterion for lead (5 mg/L).

Based on the laboratory analytical soil data, the soil located from 0- to 6-inches bgs at the Site will likely be characterized as a non-hazardous regulated material for off-site disposal.

Upcoming Activities – March 2017

- TRC to receive remaining DPR comments to the 90% Contract Drawings/Specifications, Engineers Estimate, and Take-Offs.
- TRC to prepare and submit the 100% and Final Contract Drawings/Specifications, Engineering Estimate/Take-Offs to DPR.
- DPR will submit the draft Design and Implementation Plan to EPA.
- Monthly inspection of the Interim Removal Measures in March 2017.

Anticipated Problems and Planned Resolutions – March 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 3/2/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

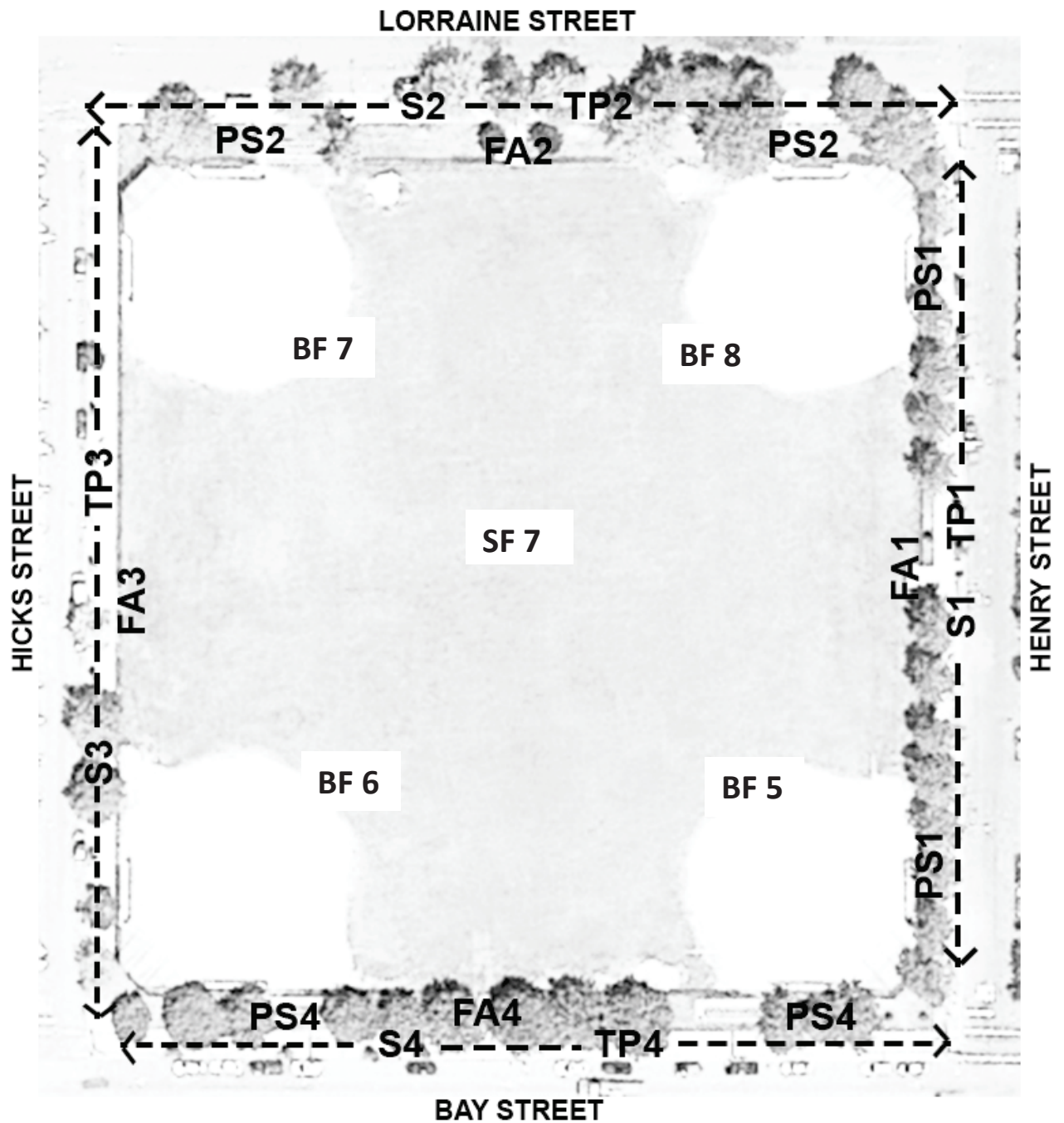
REPORT DATE	3/2/17
INSPECTION DATE	2/28/17
FOR MONTHLY PERIOD OF	February, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence repaired on 3/1/17.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 9 Reporting Period: March 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 9 - March 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 13, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 9 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2017

- On 3/3/2017, TRC submitted the draft Supplemental Surface Soil Sampling Report to DPR.
- On 3/3/2017, DPR submitted the draft Supplemental Surface Soil Sampling Report to EPA.
- On 3/9/2017, NYCDOT requested clarification in connection with the revocable consent form.
- On 3/13/2017, TRC submitted the 100% Contract Drawings to DPR.
- On 3/15/2017, ABB responded to the NYCDOT with supplemental information in connection with the revocable consent.
- On 3/15/2017, DPR issued the Monthly Progress Report No. 8 for February 2017 to EPA.



Project Progress Report No. 9 Reporting Period: March 2017

Page 2 of 2

- On 3/24/2017, DPR issued the draft Design and Implementation Plan to EPA.
- On 3/27/2017, TRC submitted custom specifications to DPR.
- On 3/27/2017, TRC submitted the Stormwater Pollution Prevention Plan (SWPPP) to DPR.
- On 3/29/2017, DPR issued comments to the specification list to TRC.
- On 3/29/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 4/11/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no condition that required corrective action.

Problems Encountered and Resolutions – March 2017

No problems were encountered.

Analytical Data Received – March 2017

No analytical data was received.

Upcoming Activities – April 2017

- TRC will prepare and submit the draft Final Contract Drawings/Specifications, Engineering Estimate/Take-Offs to DPR.
- DPR will receive EPA comments to the draft Design and Implementation Plan.
- Monthly inspection of the Interim Removal Measures in April 2017.

Anticipated Problems and Planned Resolutions – April 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 4/11/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

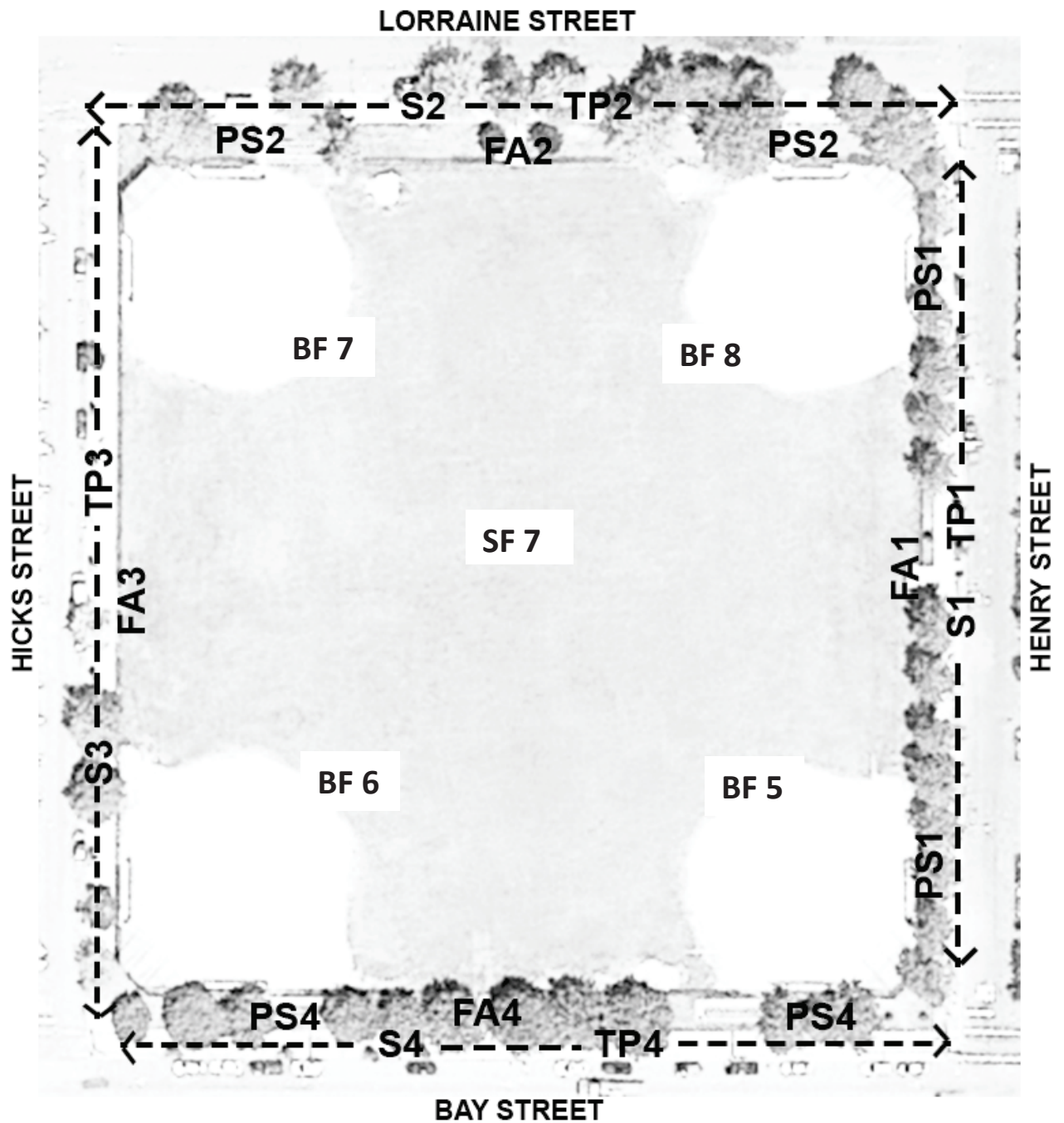
REPORT DATE	4/11/17
INSPECTION DATE	3/29/17
FOR MONTHLY PERIOD OF	March, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 10 **Reporting Period: April 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 10 - April 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: May 12, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 10 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2017

- On 4/4/2017, TRC submitted a revised item list to DPR.
- On 4/5/2017, EPA requested a full size set of the contract drawings included in the Design and Implementation Plan.
- On 4/5/2017, TRC submitted a full size set of the contract drawings included in the Design and Implementation Plan to EPA.
- On 4/12/2017, DPR provided TRC with comments to specifications.
- On 4/13/2017, DPR issued the Monthly Progress Report No. 9 for March 2017 to EPA.
- On 4/20/2017, TRC provided a full size set of draft Final contract drawings to DPR.



Project Progress Report No. 10 Reporting Period: April 2017

Page 2 of 2

- On 4/25/2017, TRC received the NYCDOT approved cost estimate and Site security lighting plan.
- On 4/26/2017, TRC submitted draft curb cut application and revised specifications to DPR.
- On 4/27/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 4/11/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no condition that required corrective action.

Problems Encountered and Resolutions – April 2017

No problems were encountered.

Analytical Data Received – April 2017

No analytical data was received.

Upcoming Activities – May 2017

- TRC will incorporate EPA comments into the Design and Implementation Plan and resubmit the revised Design and Implementation Plan to DPR.
- TRC will prepare and submit the draft Final Contract Drawings/Specifications, Engineering Estimate/Take-Offs to DPR.
- TRC to provide update on status of DOT review of supplemental information provided in connection with the Revocable Consent to DPR.
- TRC to submit NYCDOT approved cost estimate and Site security lighting plan to DPR.
- TRC's permit expeditor to submit Builders Pavement Plan and Curb Cut Application to NYCDOB.
- Monthly inspection of the Interim Removal Measures in May 2017.
- DPR is planning a community update meeting tentatively scheduled for early June, 2017, in response to a request by the council member of District 38.

Anticipated Problems and Planned Resolutions – May 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 5/5/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

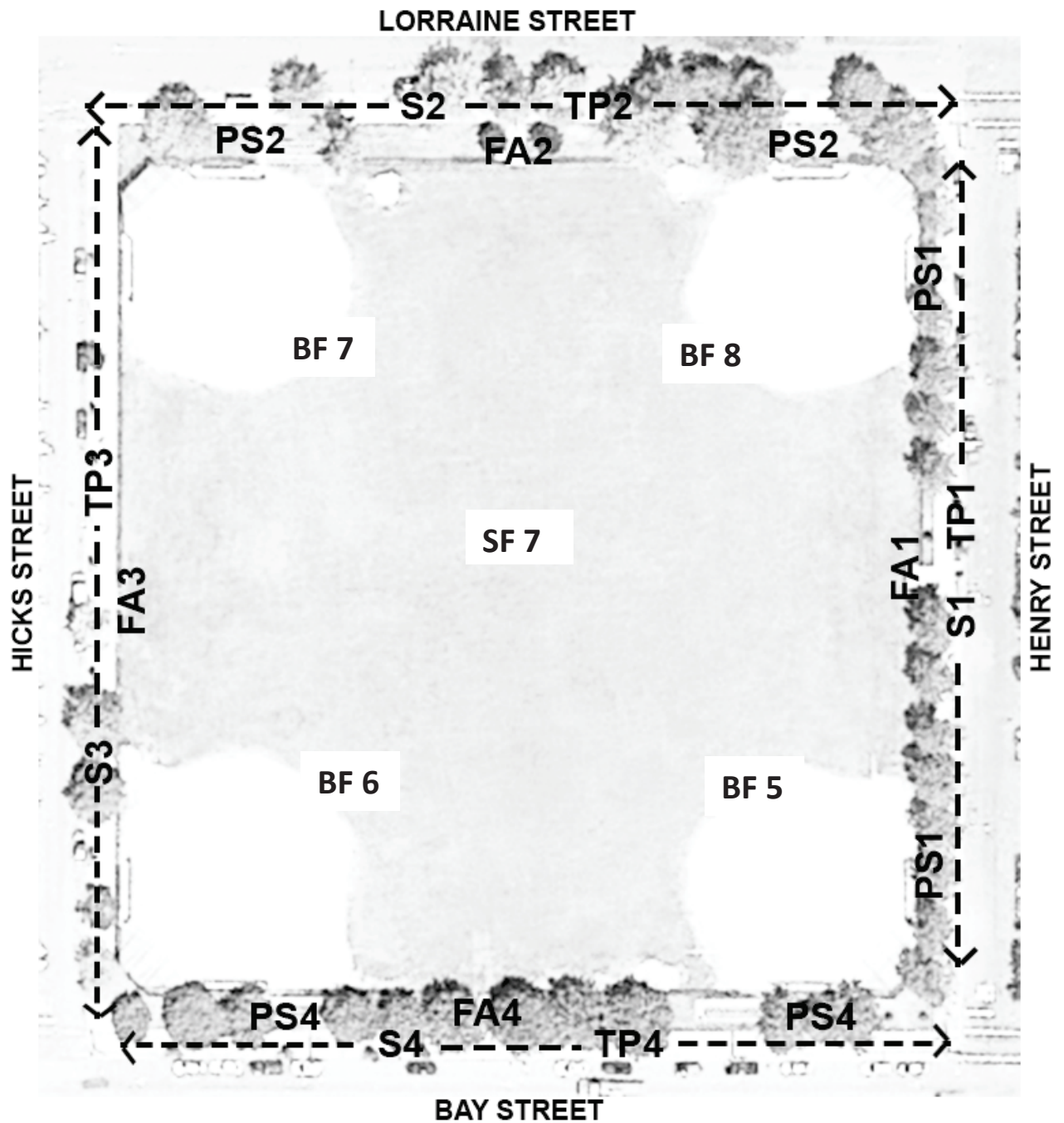
REPORT DATE	5/5/17
INSPECTION DATE	4/27/17
FOR MONTHLY PERIOD OF	April, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 11 Reporting Period: May 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 11 - May 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: June 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 11 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2017

- On 5/5/2017, DPR received comments from EPA to the Design and Implementation Plan.
- On 5/12/2017, DPR submitted the April 2017 progress report to EPA.
- On 5/16/2017, TRC submitted revised Design and Implementation Plan to DPR.
- On 5/19/2017, DPR submitted revised Design and Implementation Plan to EPA.
- On 5/22/2017, EPA accepted the Design and Implementation Plan.
- On 5/24/2017, TRC submitted Site connection proposal, application letter, and drawings to DPR.
- On 5/24/2017, TRC submitted draft Final Engineers Estimate to DPR.



Project Progress Report No. 11 Reporting Period: May 2017

Page 2 of 2

- On 5/26/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 6/7/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 5/27/2017.
 - Wood chips were added to the Tree Pits located along Bay Street on 5/28/2017.
- On 5/31/2017, TRC submitted a full size set of contract drawings to DPR.

Problems Encountered and Resolutions – May 2017

No problems were encountered.

Analytical Data Received – May 2017

No analytical data was received.

Upcoming Activities – June 2017

- TRC will prepare and submit the draft Final Contract Drawings/Specifications, Engineering Estimate to DPR.
- TRC to provide update on status of DOT review of supplemental information provided in connection with the Revocable Consent to DPR.
- TRC's permit expeditor to submit Builders Pavement Plan and Curb Cut Application to NYCDOB.
- Monthly inspection of the Interim Removal Measures in June 2017.
- Community update meeting scheduled for June 13, 2017, in response to a request by the council member of District 38.

Anticipated Problems and Planned Resolutions – June 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 5/5/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

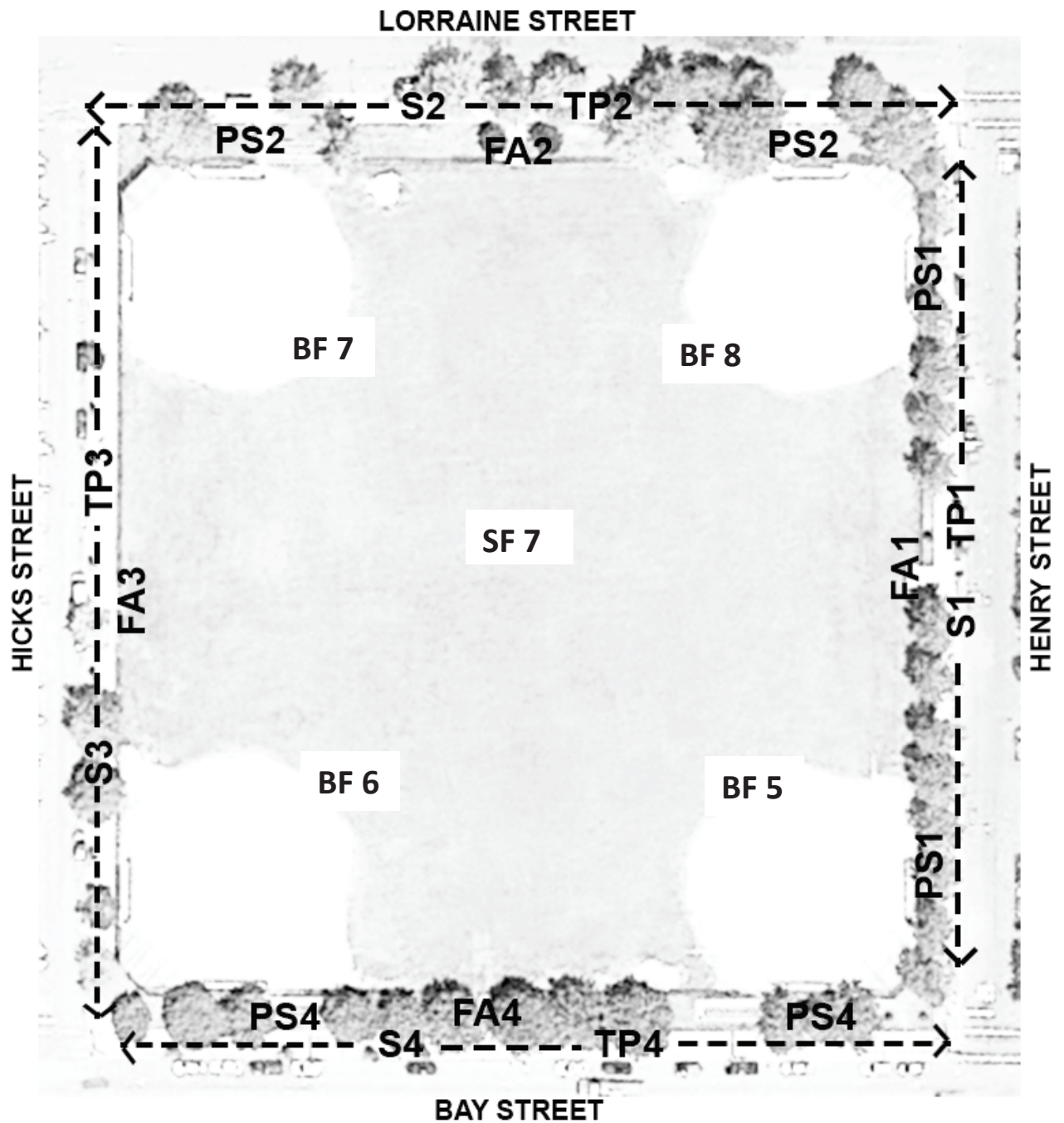
REPORT DATE	6/7/17
INSPECTION DATE	5/26/17
FOR MONTHLY PERIOD OF	May, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence at corner near bus stop damaged again. Repaired over the weekend on 5/27/17.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Woodchips to be added. (Added on 5/28/17).
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
			CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 12 Reporting Period: June 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 12 - June 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: July 11, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 12 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2017

- On 6/8/2017, DPR provided the signed Site Connection Request Letter. Site Connection to be submitted in July.
- On 6/13/2017, TRC provided revocable consent package to DPR to allow DPR attorney to follow-up directly with DOT.
- On 6/13/2017, TRC, DPR, ABB, and EPA attended public update meeting in Red Hook.
- On 6/16/2017, DPR submitted the June 2017 progress report to EPA.
- On 6/28/2017, TRC submitted final Contract Drawings, specifications, engineers estimate, to DPR.



Project Progress Report No. 12 Reporting Period: June 2017

Page 2 of 2

- On 6/30/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 7/3/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no condition that required corrective action.

Problems Encountered and Resolutions – June 2017

No problems were encountered.

Analytical Data Received – June 2017

No analytical data was received.

Upcoming Activities – July 2017

- DOT to complete review of Revocable Consent.
- TRC's permit expeditor to submit Builders Pavement Plan and Curb Cut Application to NYCDOB.
- TRC's stormwater engineer to submit Site Connection Application.
- Monthly inspection of the Interim Removal Measures in June 2017.

Anticipated Problems and Planned Resolutions – July 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 7/3/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

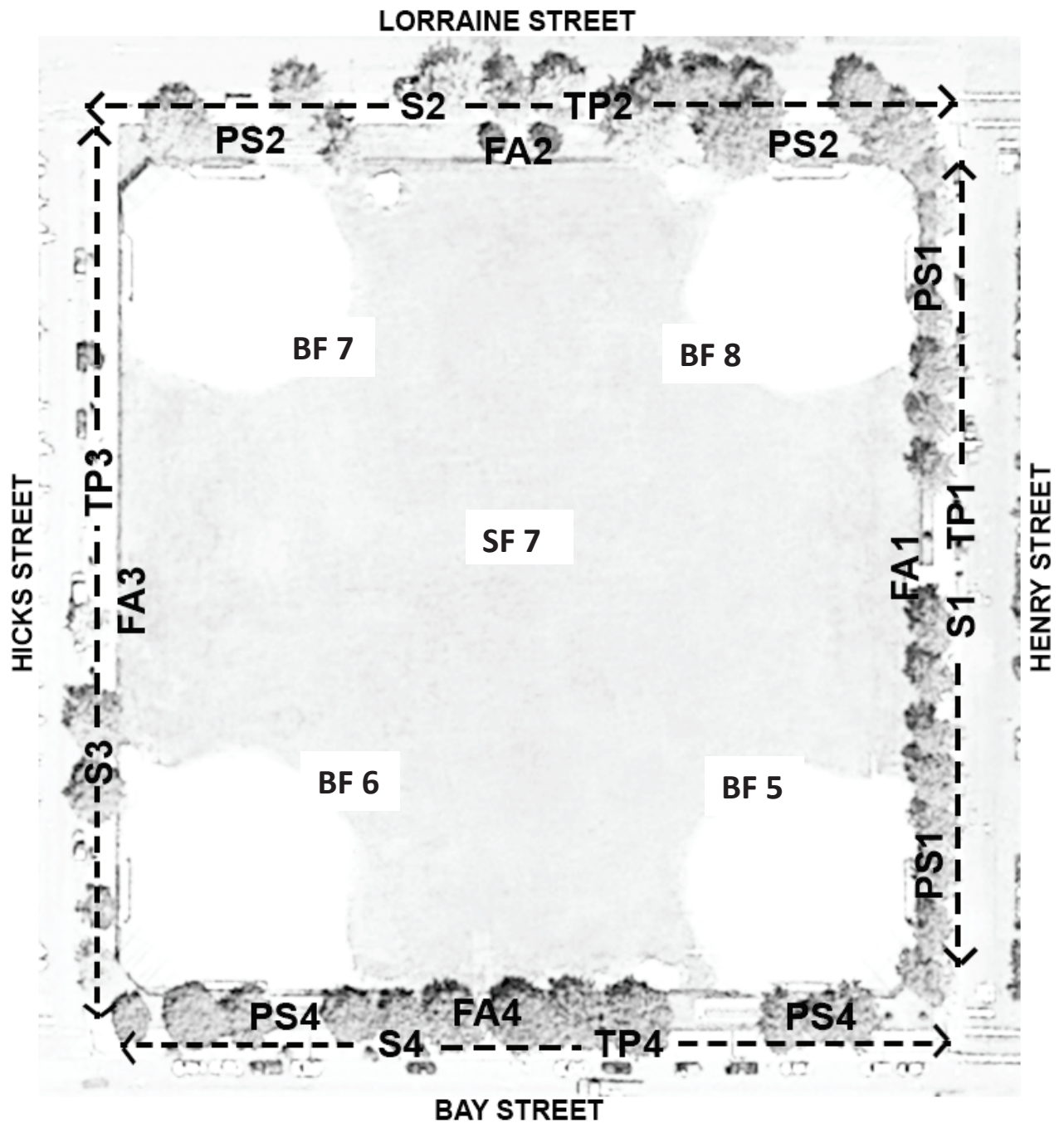
REPORT DATE	7/3/17
INSPECTION DATE	6/30/17
FOR MONTHLY PERIOD OF	June, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 13 **Reporting Period: July 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 13 - July 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: August 14, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 13 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2017

- On 7/14/2017, DPR submitted the June 2017 progress report to EPA.
- On 7/27/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 8/7/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Wood chips were added to the Tree Pits located along Henry Street on 8/3/2017.
 - Wood chips were added to the Tree Pits located along Lorraine Street on 8/3/2017.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 8/3/2017.



Project Progress Report No. 13 Reporting Period: July 2017

Page 2 of 2

- Wood chips were added to the Tree Pits located along Hicks Street on 8/3/2017.
- Wood chips were added to the Tree Pits located along Bay Street on 8/3/2017.

Problems Encountered and Resolutions – July 2017

No problems were encountered.

Analytical Data Received – July 2017

No analytical data was received.

Upcoming Activities – August 2017

- DPR and City to complete legal review of the contract documents.
- DOT to complete review of Revocable Consent.
- DPR to complete review and provide signed Builders Pavement Plan and Curb Cut Application.
- TRC's stormwater engineer to submit Site Connection Application (pending contractor selection).
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – August 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 8/7/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

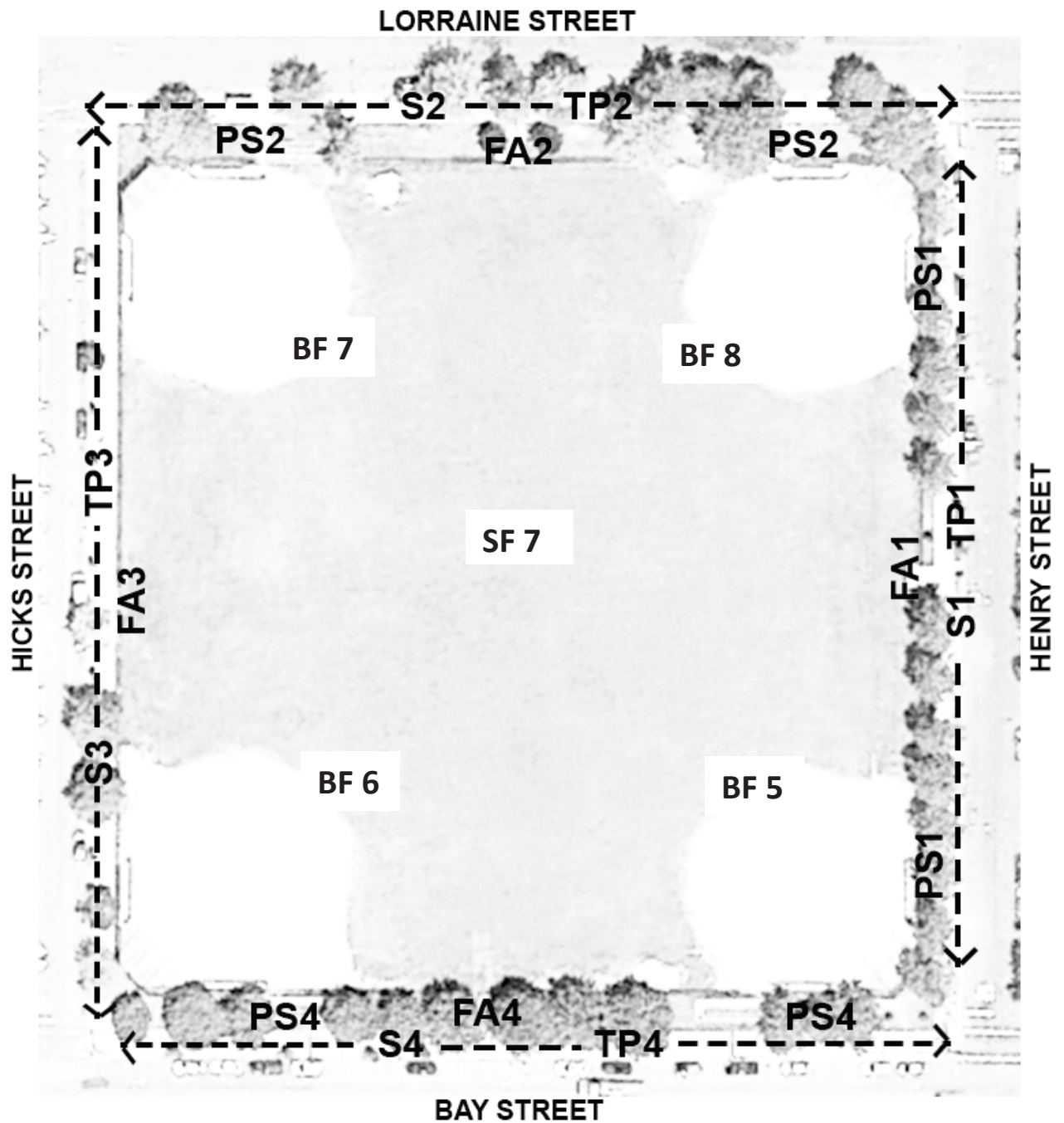
REPORT DATE	8/7/17
INSPECTION DATE	7/27/17
FOR MONTHLY PERIOD OF	July, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	All perimeter tree pits chipped as of 8/3/17.
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	All perimeter tree pits chipped as of 8/3/17.

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Bus stop section damaged again. Fence repaired as of 8/3/17
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	All perimeter tree pits chipped as of 8/3/17.
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	All perimeter tree pits chipped as of 8/3/17.
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 14 Reporting Period: August 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 14 - August 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 12, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 14 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2017

- On 8/15/2017, DPR submitted the July 2017 progress report to EPA.
- On 8/15/2017, NYCDEP provided comments to the proposed Site Connection to TRC's stormwater engineer.
- On 8/22/2017, TRC's expeditor filed the Builders Pavement Plan (BPP) and Curb Cut Application with DOB.
- On 8/23/2017, received DOB comments to the BPP dated 8/15/2017.
- On 8/30/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 9/8/2017. The Monthly



Project Progress Report No. 14 Reporting Period: August 2017

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Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.

Problems Encountered and Resolutions – August 2017

No problems were encountered.

Analytical Data Received – August 2017

No analytical data was received.

Upcoming Activities – September 2017

- City Law to complete legal review of the contract documents.
- DOT to complete review of Revocable Consent.
- TRC's expeditor to submit revised Builders Pavement Plan to DOB.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – September 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 9/8/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

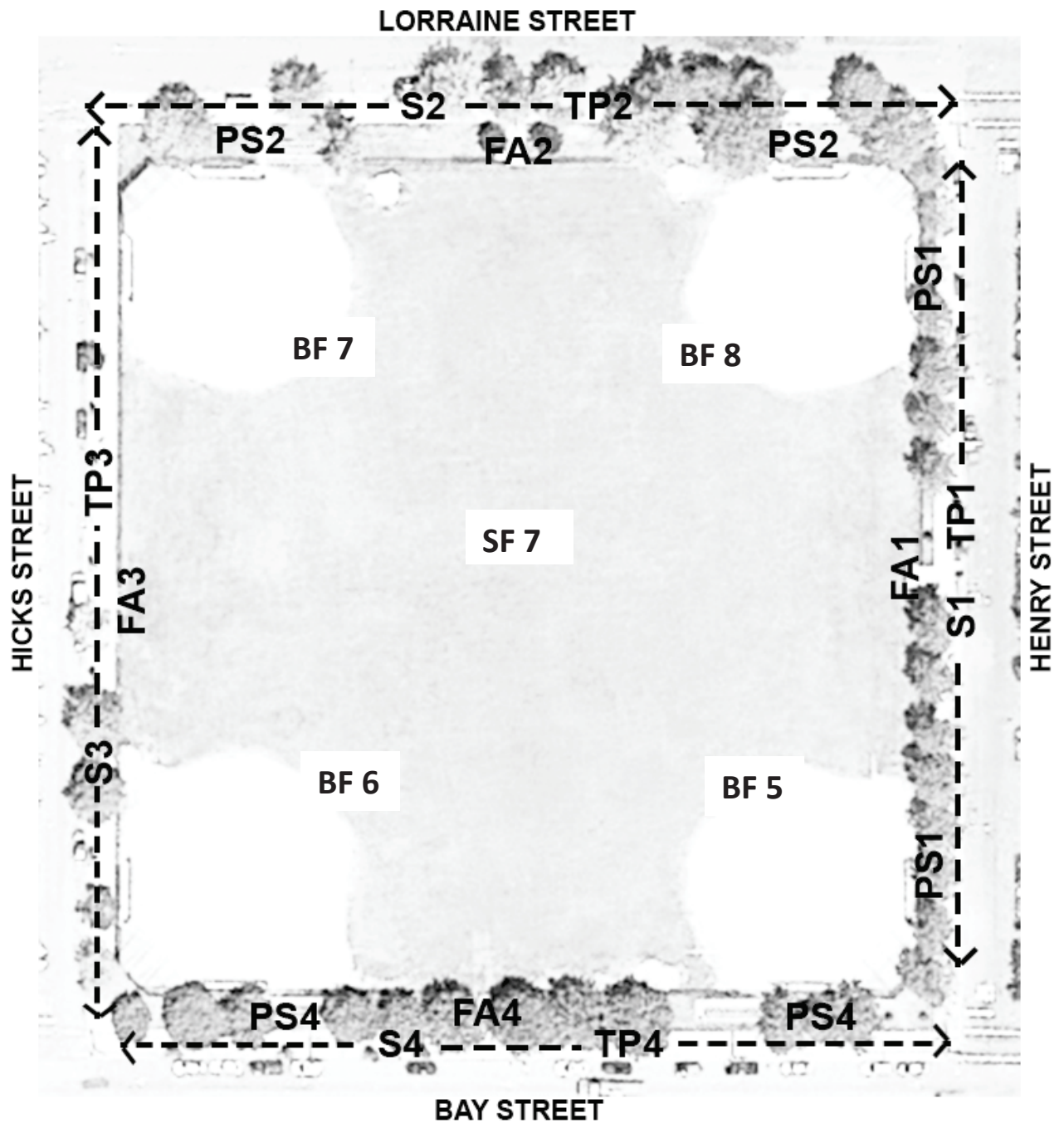
REPORT DATE	9/8/17
INSPECTION DATE	8/30/17
FOR MONTHLY PERIOD OF	August, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 15 Reporting Period: September 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 15 - September 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 29, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 15 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2017

- On 9/12/2017, DPR submitted the August 2017 progress report to EPA.
- On 9/22/2017, TRC submitted revised Builders Pavement Plan to DPR for review.
- On 9/27/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 9/28/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.

Problems Encountered and Resolutions – September 2017

No problems were encountered.



Project Progress Report No. 15 Reporting Period: September 2017

Page 2 of 2

Analytical Data Received – September 2017

No analytical data was received.

Upcoming Activities – October 2017

- On 10/11/2017, the construction contract will be available for pickup by contractors.
- On 10/25/2017, DPR will hold the pre-bid meeting with prospective contractors.
- DOT to complete review of Revocable Consent.
- TRC's expeditor to submit revised Builders Pavement Plan to DOB.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – October 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 9/28/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

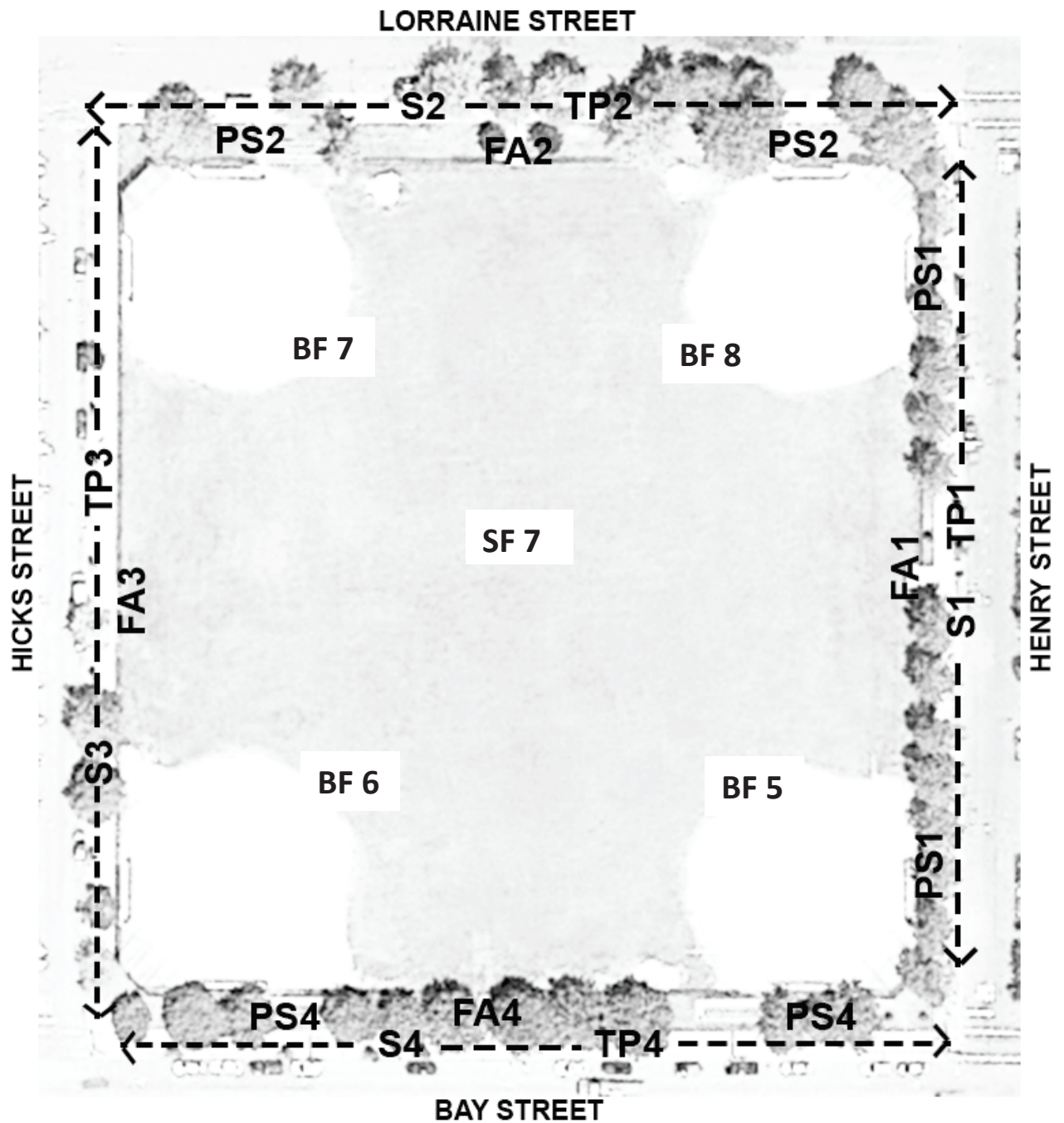
REPORT DATE	9/28/17
INSPECTION DATE	9/27/17
FOR MONTHLY PERIOD OF	September, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 16 Reporting Period: October 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 16 - October 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: November 16, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 16 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2017

- On 9/29/2017, DPR submitted the September 2017 progress report to EPA.
- On 10/11/2017, the Bid Book was made available for pickup at DPR offices.
- On 10/18/2017, TRC's expeditor (CPS) held a meeting with DOB to review the Curb Cut Application. DOB provided additional comments.
- On 10/19/2017, TRC's stormwater engineer (PDE) held meeting with DEP to review the revised Site Connection Application. DEP requested two additional revisions.
- On 10/25/2017, DPR held a pre-bid meeting with prospective contractors.



Project Progress Report No. 16 Reporting Period: October 2017

Page 2 of 2

- On 10/26/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 11/9/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- On 10/27/2017, TRC's stormwater engineer (PDE) provided revised Site Connection Application to TRC.
- On 10/31/2017, TRC submitted 3 original hard copies of the BPP to DPR to be signed and returned.

Problems Encountered and Resolutions – October 2017

No problems were encountered.

Analytical Data Received – October 2017

No analytical data was received.

Upcoming Activities – November 2017

- DPR issued first addendum to the Bid Book.
- TRC's expeditor to review revised curb cut application with DOB.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- TRC's expeditor to submit revised BPP to DOB.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – November 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 10/26/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

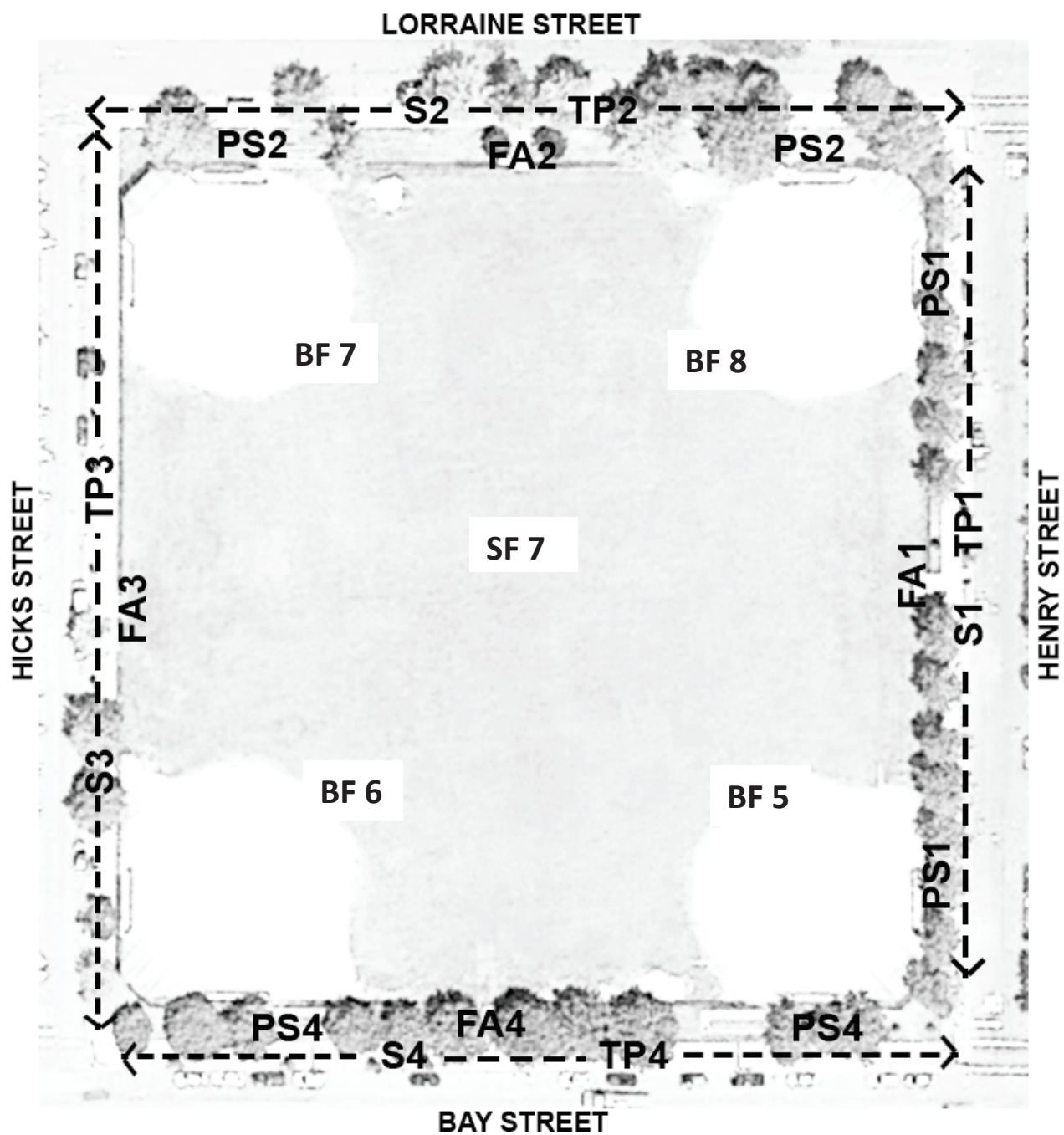
REPORT DATE	11/9/17
INSPECTION DATE	10/26/17
FOR MONTHLY PERIOD OF	October, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 17 Reporting Period: November 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 17 - November 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: December 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 17 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2017

- On 11/1/2017, DPR issued Addendum #1 associated with the construction contract for Ball Fields 5-8.
- On 11/9/2017, TRC provided an update on obtaining the certificates of inspection in connection with Site Connection Application.
- On 11/11/2017, provided the revised Builders Pavement Plan (BPP) to TRC's permit expeditor.
- On 11/13/2017, TRC's expeditor (CPS) held a meeting with DOB to review the Curb Cut Application. DOB approved the application.
- On 11/16/2017, DPR submitted Progress Report No. 16 for October 2017 to the EPA.



Project Progress Report No. 17 Reporting Period: November 2017

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- On 11/28/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 12/7/2017. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.

Problems Encountered and Resolutions – November 2017

No problems were encountered.

Analytical Data Received – November 2017

No analytical data was received.

Upcoming Activities – December 2017

- DPR to receive contract bids for Ball Fields 5-8 and begin bid evaluation process.
- TRC's expeditor to review revised builders pavement plan with DOB.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – December 2017

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 12/7/2017

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

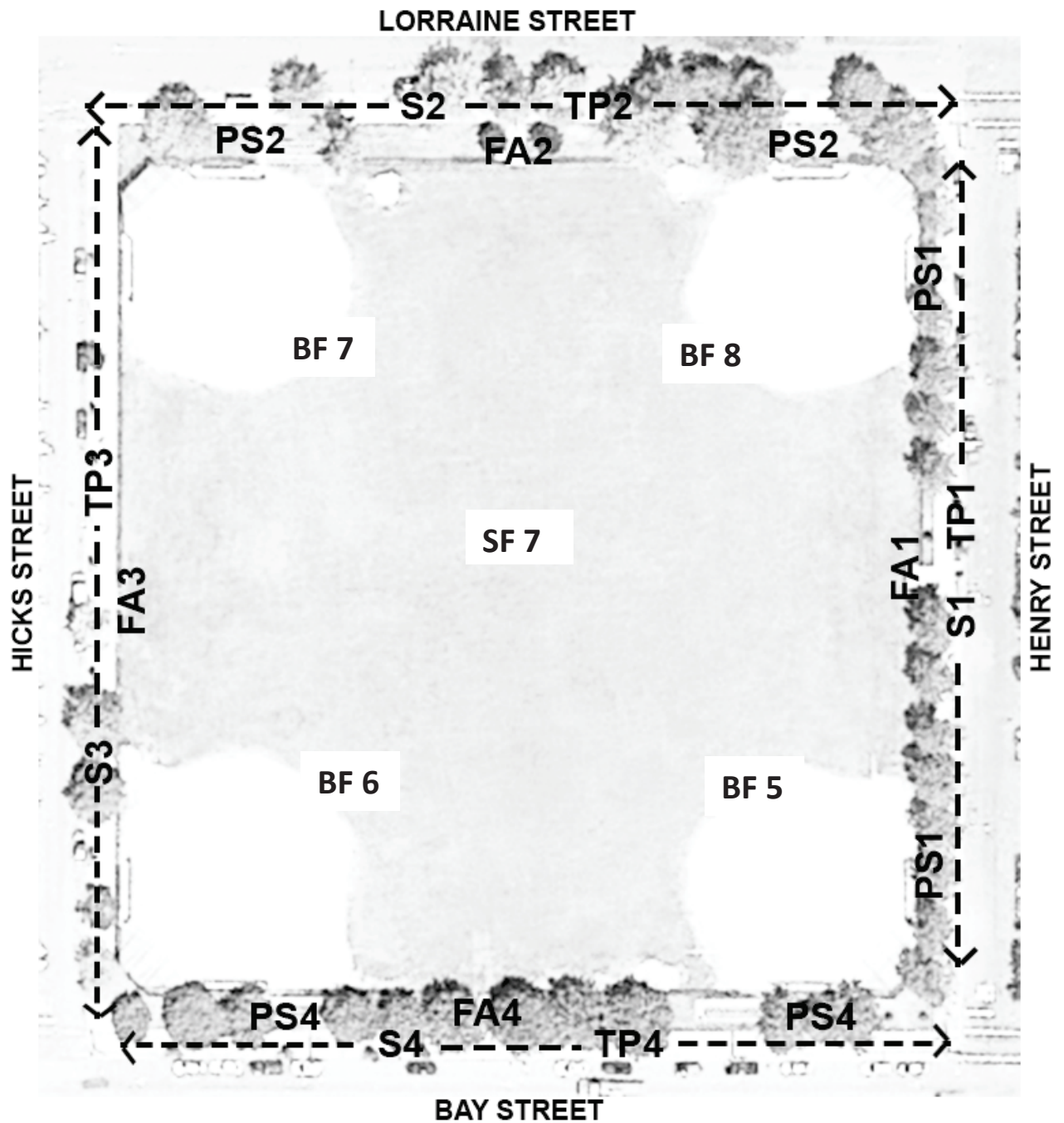
REPORT DATE	12/7/17
INSPECTION DATE	11/28/17
FOR MONTHLY PERIOD OF	November, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 18 **Reporting Period: December 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 18 - December 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 17, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 18 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2017 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2017

- On 12/1/2017, DPR opened the contractor bids and started the review process.
- On 12/7/2017, DPR provided the executed revocable consent agreement. In addition, the builders pavement plan was approved by NYC Department of Buildings.
- On 12/11/2017, DPR requested TRC review the low bid contractor's (LAWS) qualification forms.
- On 12/12/2017, TRC submitted the review of the low bid contractor's qualification forms to DPR.
- On 12/15/2017, DPR submitted Progress Report No. 17 for November 2017 to the EPA.
- On 12/18/2017, DPR requested TRC review the 2nd and 3rd lowest bid contractor's qualification forms.



Project Progress Report No. 18

Reporting Period: December 2017

Page 2 of 2

- On 12/19/2017, DPR requested TRC evaluate options for wind/dust/privacy screen to be installed on the construction fence of Ball Fields 5-8.
- On 12/21/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 1/10/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- On 12/22/2017, TRC submitted the review of the 2nd and 3rd bidder contractor qualification forms to DPR. In addition, DPR requested TRC review additional qualification information for the low bid contractor. TRC reviewed the information and provided a response.

Problems Encountered and Resolutions – December 2017

No problems were encountered.

Analytical Data Received – December 2017

No analytical data was received.

Upcoming Activities – January 2018

- DPR to continue evaluation of the contract bids for Ball Fields 5-8.
- TRC to provide a recommendation for a wind/dust/privacy screen to DPR.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – January 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 1/10/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

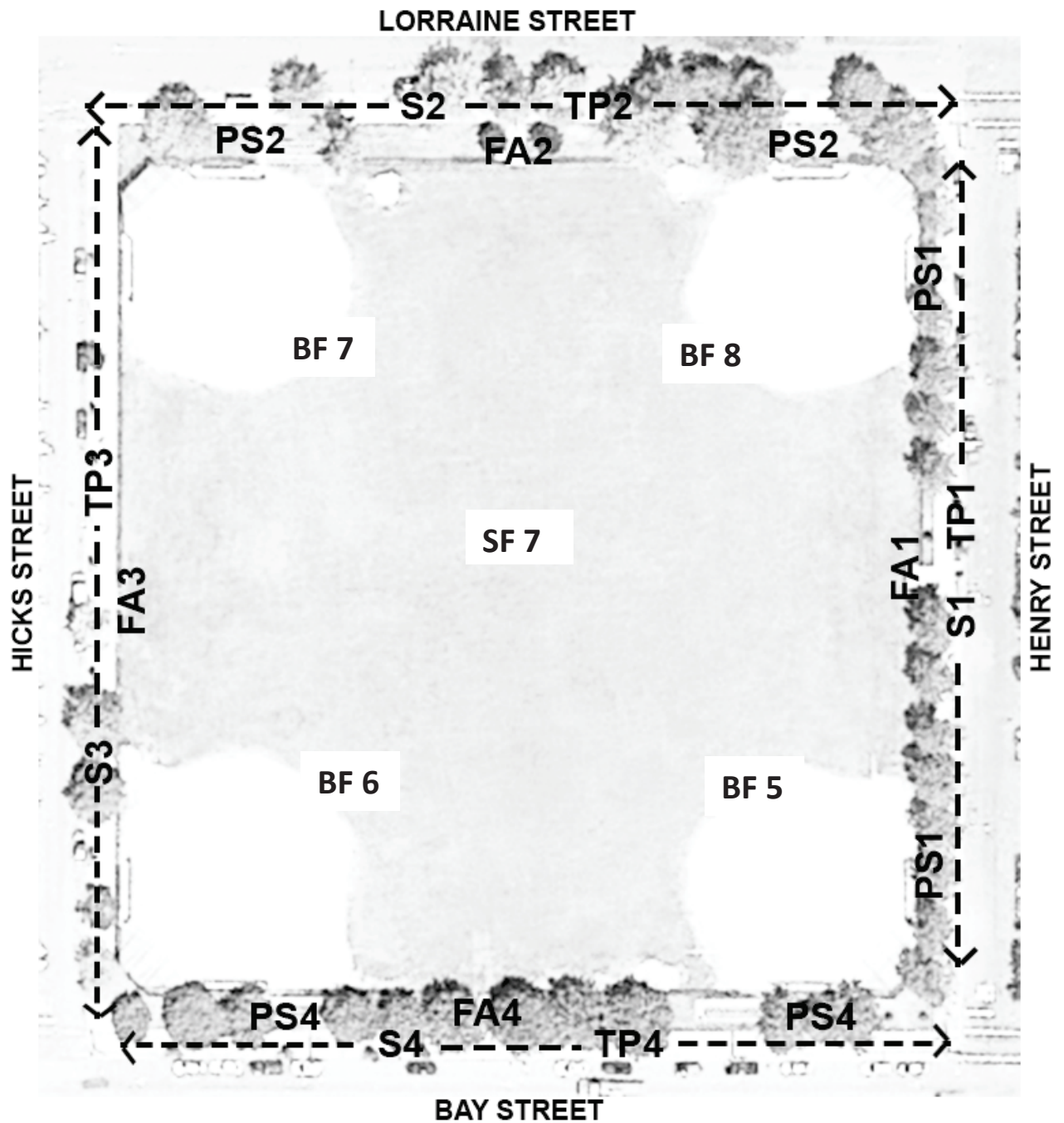
REPORT DATE	1/10/18
INSPECTION DATE	12/21/17
FOR MONTHLY PERIOD OF	December, 2017
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 19 **Reporting Period: January 2018**

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To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 19 - January 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 9, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 19 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2018

- On 1/3/2018 and 1/26/2018, DPR followed up with NYCDEP in connection with obtaining sewer inspection certificates needed for final submission of the Site Connection Application.
- On 1/12/2018, TRC submitted an evaluation of wind/dust/privacy screen products to DPR.
- On 1/17/2018, DPR submitted Progress Report No. 18 for December 2017 to the EPA. TRC submitted the Community Air Monitoring Plan (CAMP) to DPR.
- On 1/25/2017, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 2/6/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.



Project Progress Report No. 19 Reporting Period: January 2018

Page 2 of 2

- Fencing along Lorraine Street was observed to be damaged and was repaired on 1/25/2018.
- On 1/29/2018, DPR notified EPA that due a number of procurement obstacles including a due diligence review requirement (Executive Order 102) triggered by the bids submitted by the two lowest bidders, DPR will request an extension to the due dates for the construction phase Health and Safety Plan and Construction Plan for Ball Fields 5 to 8. NYC Law and DPR are currently preparing a memorandum for submission to EPA that details the procurement obstacles and anticipated timeframes needed to resolve them.
- On 1/30/2018, TRC received confirmation that permit filing is required in connection with the construction of the pile supported retaining wall. TRC is contracting with an expeditor to prepare and submit the filing to NYCDOB.

Problems Encountered and Resolutions – January 2018

- As discussed above DPR has encountered a number of procurement obstacles which will result in a delay in issuance of the contract. NYC Law and DPR will submit a memorandum to EPA detailing the obstacles and present the estimate timeline for resolution. DPR is also evaluating options for expediting the resolution of the procurement obstacles.

Analytical Data Received – January 2018

No analytical data was received.

Upcoming Activities – February 2018

- DPR to continue evaluation of the contract bids for Ball Fields 5-8.
- TRC's expeditor to submit required permit application to NYCDOB for the construction of the pile supported retaining wall.
- TRC's stormwater engineer to submit revised Site Connection Application to DEP.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – February 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 2/6/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

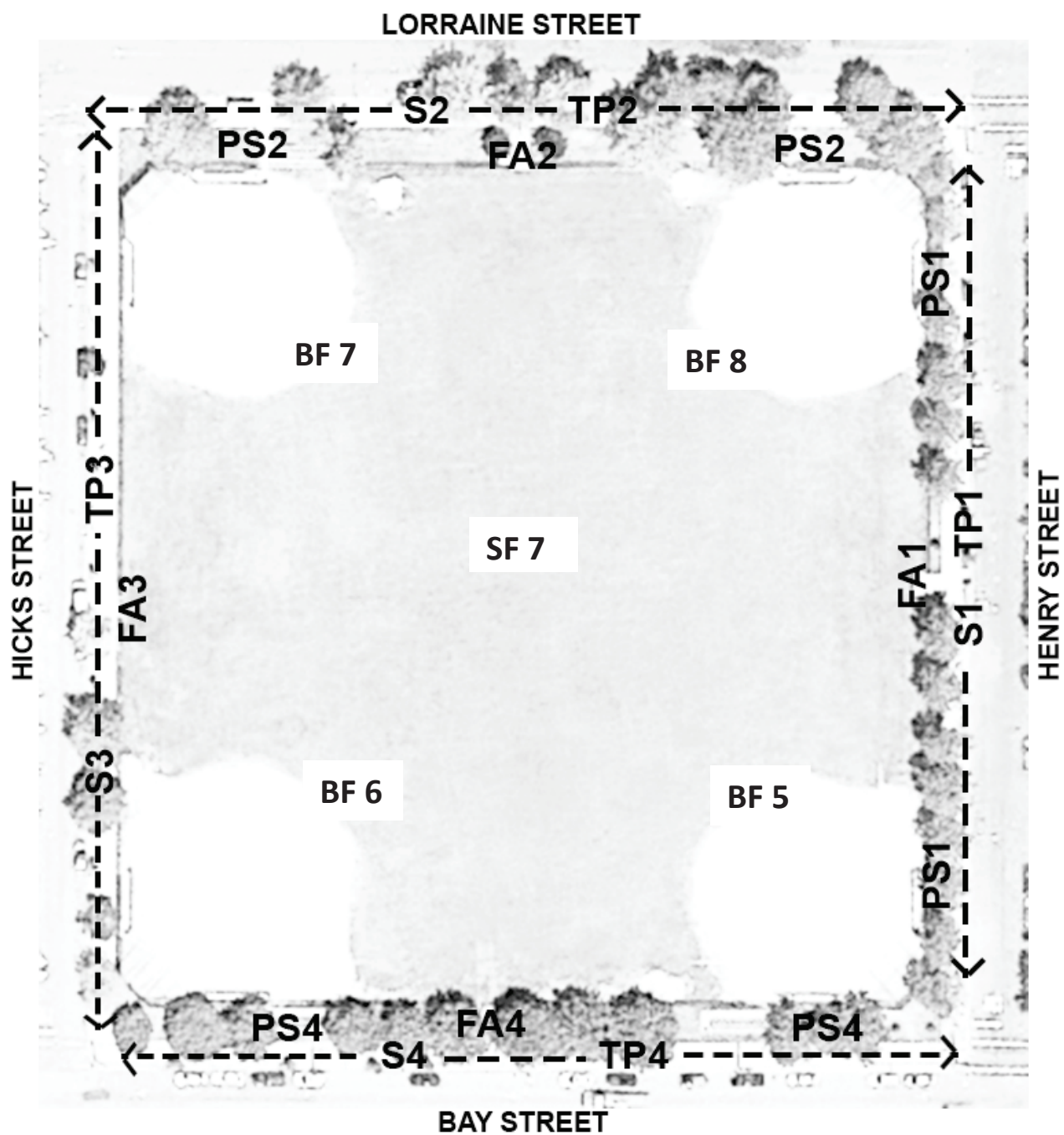
REPORT DATE	2/6/18
INSPECTION DATE	1/25/18
FOR MONTHLY PERIOD OF	January 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Section of fence down next to bus stop. Instructed staff to make repairs. Repairs made on 1/25 in the afternoon.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
			CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 20 **Reporting Period: February 2018**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 20 - February 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: March 15, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 20 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2018

- On 2/6/2018, DPR emailed and mailed a hard copy of a new affidavit to the NYCDEP in connection with obtaining sewer inspection certificates needed for final submission of the Site Connection Application.
- On 2/12/2018, DPR emailed the requested sewer inspection certificates to DPR. In addition, DPR also submitted Progress Report No. 19 for January 2018 to the EPA.
- On 2/23/2018, TRC's stormwater engineer submitted the revised Site connection application to the NYCDEP.
- On 2/27/2018, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 3/9/2018. The Monthly



Project Progress Report No. 20

Reporting Period: February 2018

Page 2 of 2

Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.

- On 2/28/2018, TRC submitted the draft filing for the construction of the pile supported retaining wall to DPR for review and signature. In addition, DPR selected a product for use as Dust Netting on Ball Fields 5-8 and requested TRC prepare a revised specification for DPR review.

Problems Encountered and Resolutions – February 2018

No problems were encountered.

Analytical Data Received – February 2018

No analytical data was received.

Upcoming Activities – March 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to submit letter to the EPA requesting extension of the Construction Plan and HASP submission dates.
- TRC's expeditor to submit required permit application to NYCDOB for the construction of the pile supported retaining wall.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – March 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 3/9/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

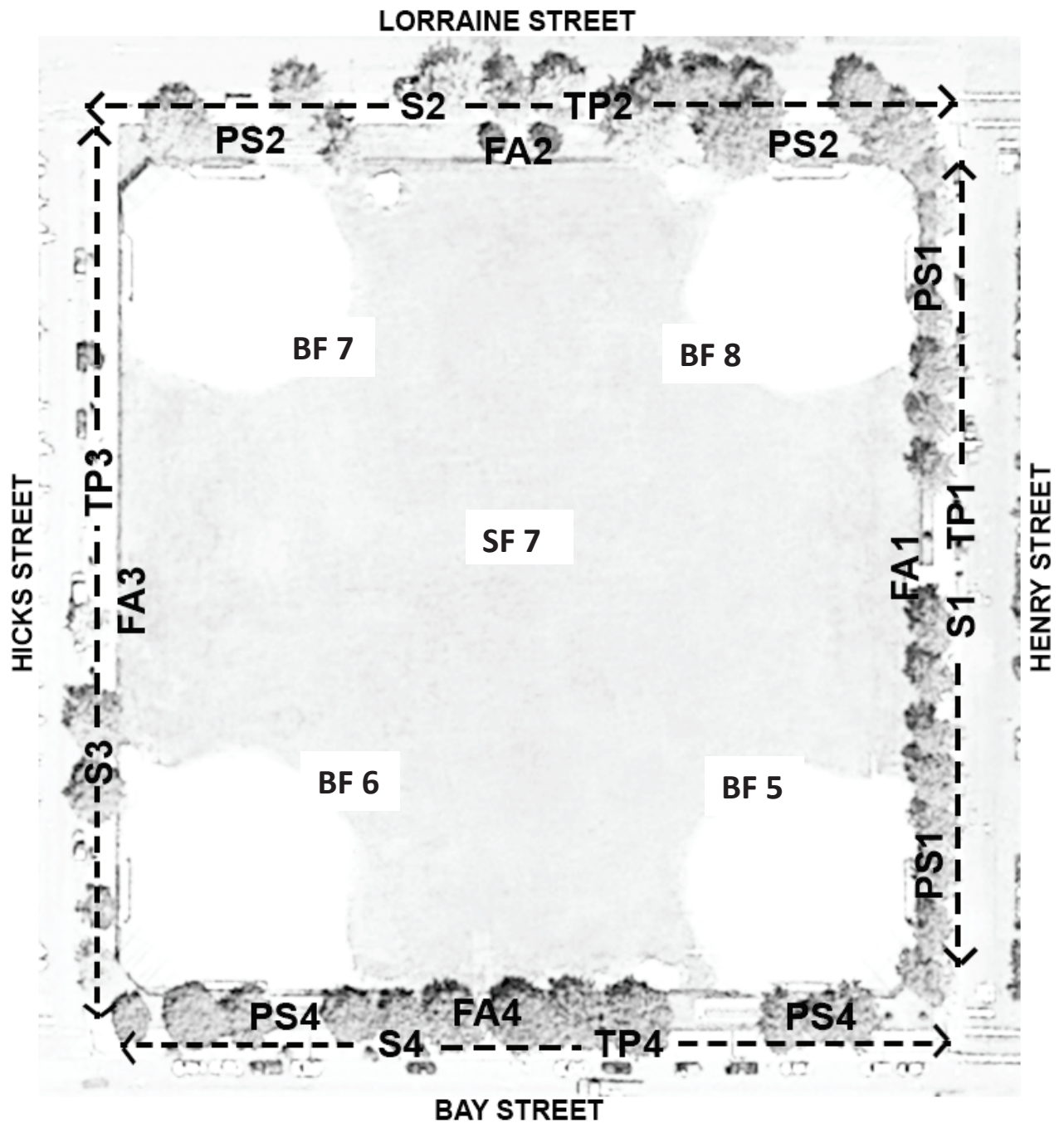
REPORT DATE	3/9/18
INSPECTION DATE	2/27/18
FOR MONTHLY PERIOD OF	February, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 21 Reporting Period: March 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 21 - March 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 16, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 21 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2018

- On 3/9/2018, TRC submitted the Dust Netting Specification to DPR.
- On 3/15/2018, DPR submitted Progress Report No. 20 for February 2018 to the EPA.
- On 3/19/2018, EPA notified DPR that moving forward Ms. Jennifer LaPoma will be taking over as the On-Scene Coordinator.
- On 3/23/2018, the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8 was performed, and was documented in the inspection report dated 4/12/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.



Project Progress Report No. 21 Reporting Period: March 2018

Page 2 of 2

- On 3/27/2018, TRC submitted two sets of original signature paperwork for the retaining wall permit filing to DOB for review. DPR provided comments and asked TRC to revise and resubmit.
- On 3/29/2018, TRC's stormwater engineer received comments from the DEP to the Sewer Connection Application (Rev. 3). TRC will revise and resubmit the Sewer Connection Application.

Problems Encountered and Resolutions – March 2018

No problems were encountered.

Analytical Data Received – March 2018

No analytical data was received.

Upcoming Activities – April 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- TRC's stormwater engineer to revise and resubmit the Sewer Connection Application to DEP.
- TRC's expeditor to submit required permit application to NYCDOB for the construction of the pile supported retaining wall.
- DPR will host a Community Update Meeting at 6:00 pm on Monday, April 30, 2018.
- Monthly inspection of the Interim Removal Measures.

Anticipated Problems and Planned Resolutions – April 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 4/12/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

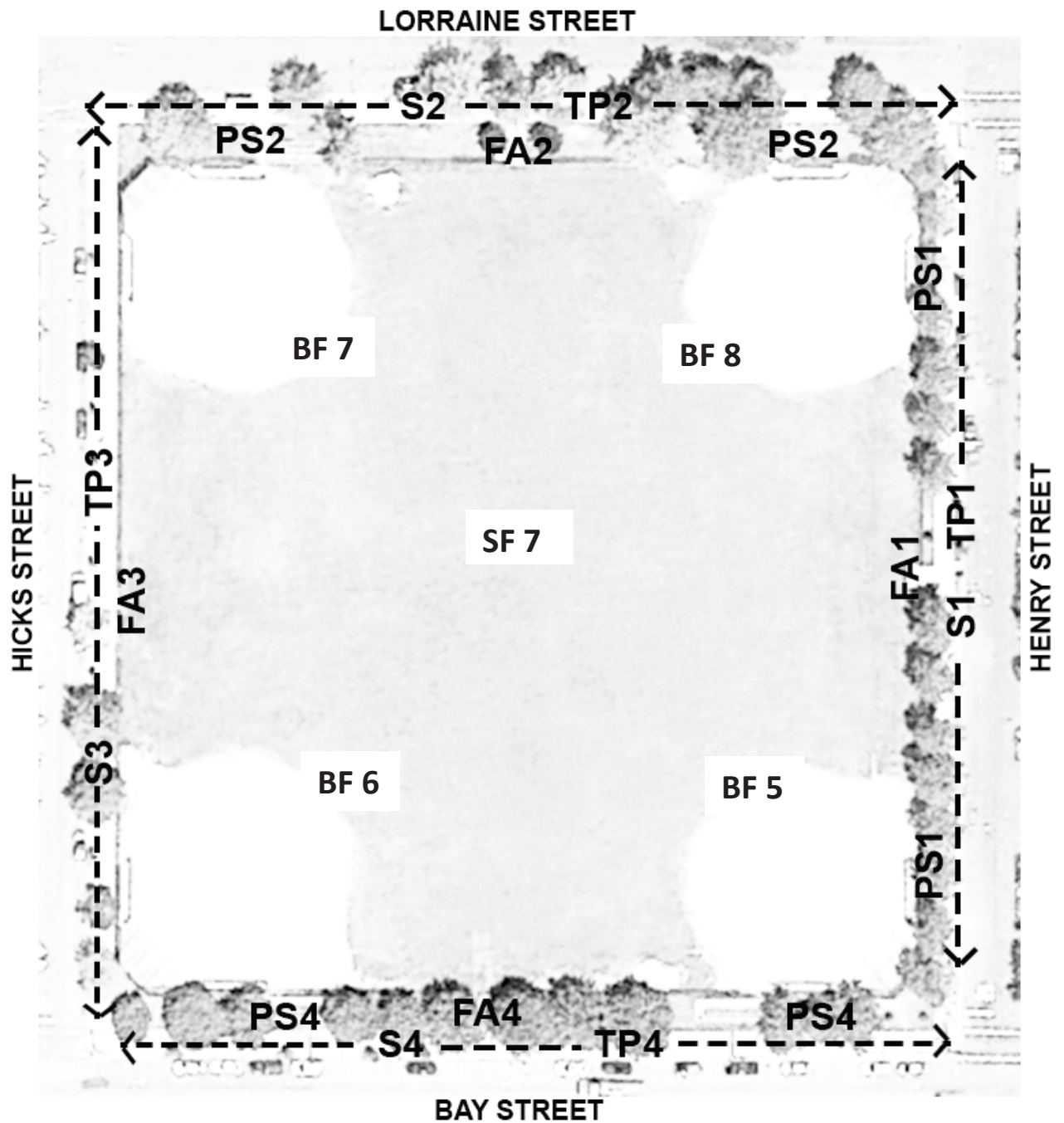
REPORT DATE	4/12/18
INSPECTION DATE	3/23/18
FOR MONTHLY PERIOD OF	March, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 22 Reporting Period: April 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 22 - April 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: May 15, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 22 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2018

- On 4/9/2018, TRC's stormwater engineer submitted the revised Site Connection Application to the NYC Department of Environmental Protection for review and approval.
- On 4/16/2018, DPR issued an award letter to LAWS Construction Corp in the amount of \$10,689,468 for the base bid plus the alternate bid.
- On 4/26/2018, TRC's expeditor filed the retaining wall open space permit with the NYC Department of Buildings. DOB approved the filing and assigned DOB# 321667219.
- On 4/30/2018, TRC's stormwater engineer received the DEP letter approving the Site Connection Application. DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 4/12/2018. The



Project Progress Report No. 22

Reporting Period: April 2018

Page 2 of 2

Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action. EPA, DPR, TRC, and ABB attended a community update meeting in the Red Hook Recreational building.

EPA Communications and/or Requests – April 2018

- On 4/16/2018, DPR submitted Progress Report No. 21 for March 2018 to the EPA.
- On 4/19/2018, DPR notified EPA that a notice of award was issued to LAWS Construction.
- On 4/26/2018, DPR emailed EPA requesting an update on the next SCORPIOS report. EPA indicated that the SCORPIOS report will include costs from 7/11/16 to 9/30/17. DPR emailed draft Community Update Presentation to EPA for review.
- On 4/27/2018, EPA responded to DPR indicating they have no comments to the Community Update presentation.

Problems Encountered and Resolutions – April 2018

No problems were encountered.

Analytical Data Received – April 2018

No analytical data was received.

Upcoming Activities – May 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- Monthly inspection of the Interim Removal Measures.
- DPR will hold a preconstruction meeting with the Contractor, EPA, and TRC.
- Contractor will submit the draft Construction Plan to DPR for review.

Anticipated Problems and Planned Resolutions – May 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 5/8/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

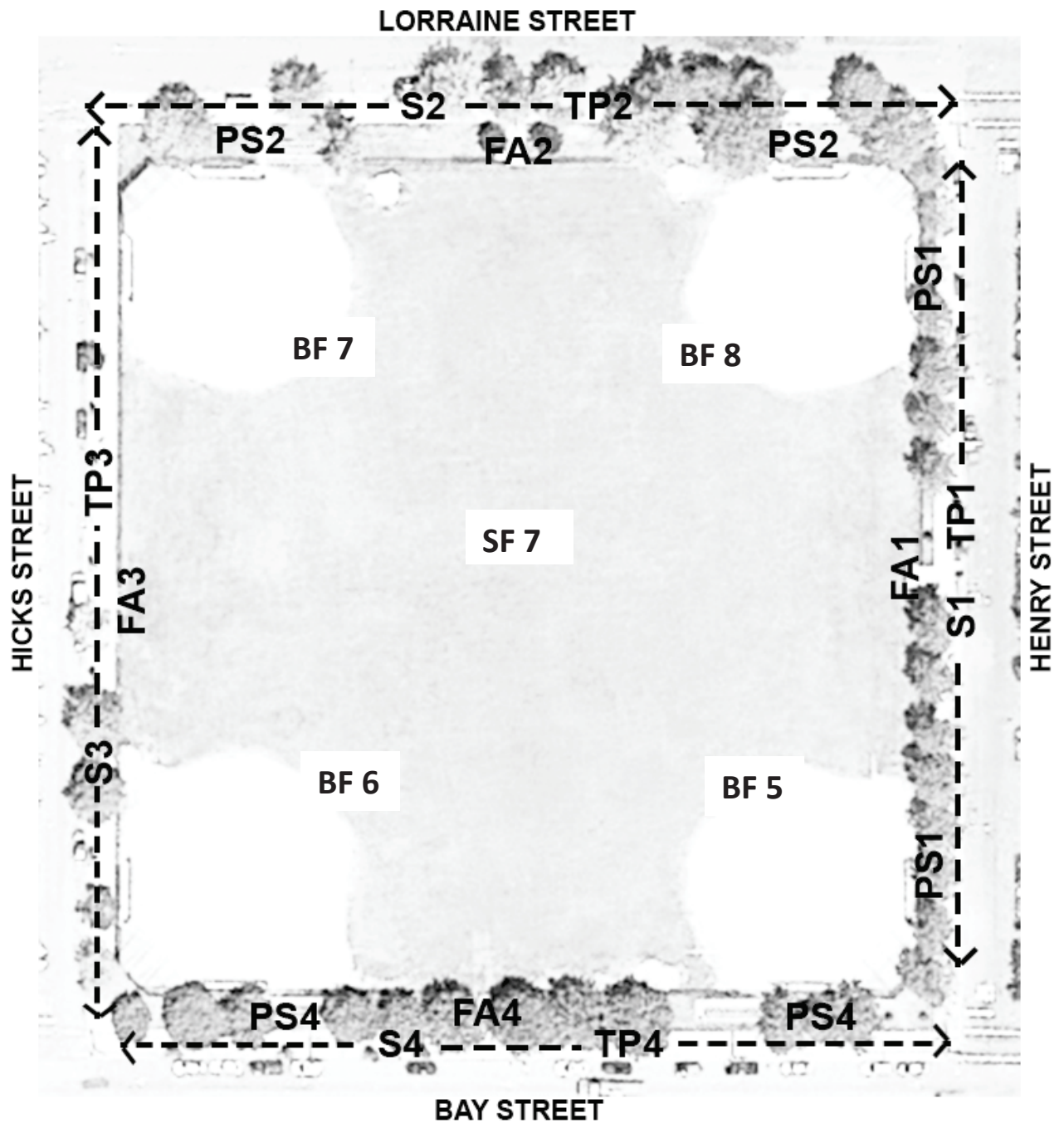
REPORT DATE	5/8/18
INSPECTION DATE	4/30/18
FOR MONTHLY PERIOD OF	April, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 23 **Reporting Period: May 2018**

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 23 - May 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: June 19, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 23 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2018

- On 5/8/2018, DPR, EPA, and LAWS attended a pre-construction meeting at DPR offices. TRC issued the final SWPPP to DPR.
- On 5/25/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 6/8/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- TRC reviewed and responded to contractor submittals and requests for information.



Project Progress Report No. 23 Reporting Period: May 2018

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EPA Communications and/or Requests – May 2018

- On 5/3/2018, EPA notified DPR that signage on Ball Fields 1-4 indicates that cleanup is being planned by the EPA. EPA requested DPR resolve the sign issue and notify EPA when completed. EPA also notified DPR that the sign installed at Soccer Field 2 indicates “removal action” language which may also cause confusion since Soccer Field 2 is not under EPA oversight.
- On 5/11/2018, DPR provided EPA, TRC, and ABB with the meeting minutes from the pre-construction meeting held on 5/8/2018.
- On 5/14/2018, EPA emailed DPR with a draft agenda for the call on 5/17/2018.
- On 5/15/2018, DPR submitted Progress Report No. 22 for April 2018 to the EPA.
- On 5/17/2018, EPA, DPR and TRC held a conference call to discuss the status of the Red Hook Ball Fields 5-8 and Ball Field projects.

Problems Encountered and Resolutions – May 2018

No problems were encountered.

Analytical Data Received – May 2018

No analytical data was received.

Upcoming Activities – June 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4.
- Monthly inspection of the Interim Removal Measures.
- Contractor will submit the revised draft Construction Plan to DPR for review.

Anticipated Problems and Planned Resolutions – June 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 6/8/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

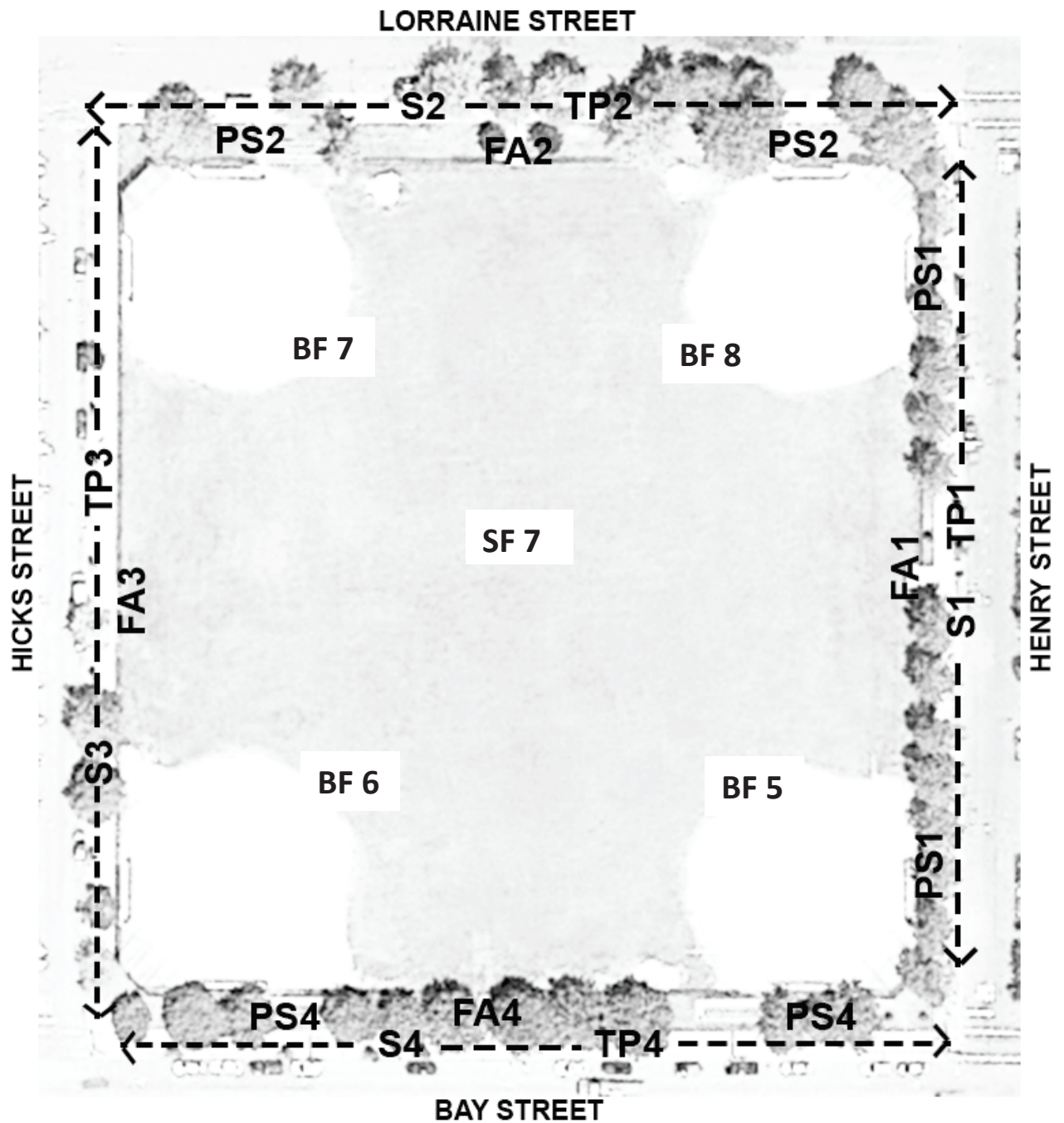
REPORT DATE	6/8/18
INSPECTION DATE	5/25/18
FOR MONTHLY PERIOD OF	May, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 24 Reporting Period: June 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 24 - June 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: July 17, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 24 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2018

- On 6/27/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 7/16/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- TRC reviewed and responded to contractor submittals and requests for information.



Project Progress Report No. 24 Reporting Period: June 2018

Page 2 of 2

EPA Communications and/or Requests – June 2018

- On 6/6/2018, EPA followed up with DPR in connection with scheduling the community update meeting.
- On 6/7/2018, DPR responded to EPA with potential dates for the community update meeting.
- On 6/11/2018, EPA stated they were available to attend the community update meeting on Wednesday, 7/11/2018.
- On 6/19/2018, DPR submitted Progress Report No. 23 for May 2018 to the EPA.
- On 6/25/2018, DPR followed up with EPA to confirm the Progress Report No. 23 was received by EPA. EPA provided a draft community update fact sheet to DPR for review and comment.

Problems Encountered and Resolutions – June 2018

No problems were encountered.

Analytical Data Received – June 2018

No analytical data was received.

Upcoming Activities – July 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- DPR will submit completed portions of the Construction Plan to EPA for review.
- Contractor will submit the outstanding portions of the Construction Plan to DPR for review.

Anticipated Problems and Planned Resolutions – June 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 7/16/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

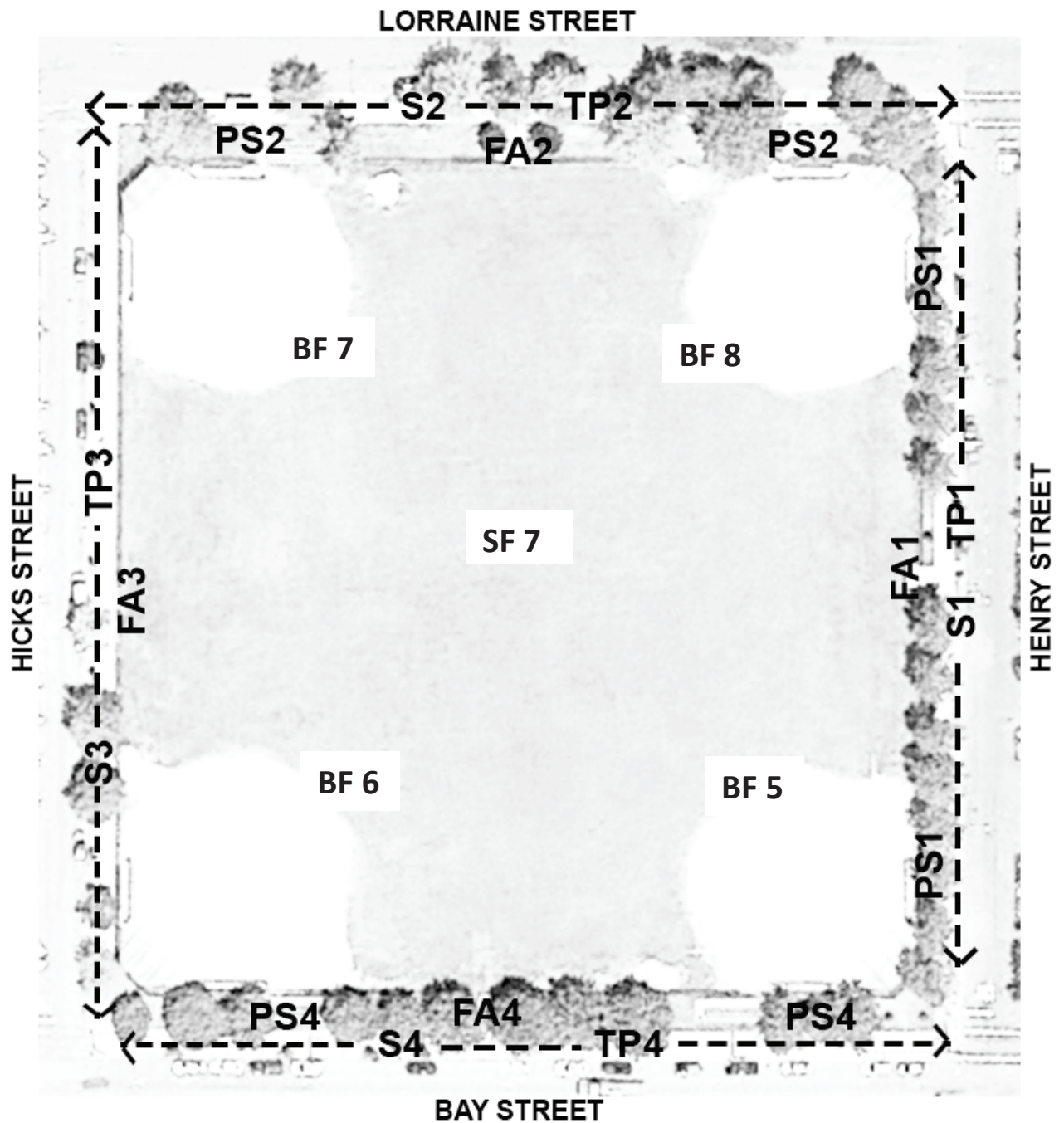
REPORT DATE	7/16/18
INSPECTION DATE	6/27/18
FOR MONTHLY PERIOD OF	June, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 25 Reporting Period: July 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 25 - July 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: August 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 25 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2018

- On 7/11/2018, EPA and DPR held a community update meeting attended by TRC, ABB, and the public.
- On 7/26/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 8/3/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Fencing along Lorrain Street was observed to be damaged and was repaired on 7/26/2018.
- TRC reviewed and responded to contractor submittals.



Project Progress Report No. 25

Reporting Period: July 2018

Page 2 of 2

EPA Communications and/or Requests – July 2018

- On 7/12/2018, EPA sent an email to DPR following up on topics discussed at the Community Update meeting and requested the CAMP. DPR responded indicated that one of the city councilmen indicated that additional funding was available for sports lighting, however, DPR is not aware of any such funding.
- On 7/13/2018, EPA requested a copy of a letter (if submitted) by the councilmen in connection with the project.
- On 7/18/2018, DPR submitted Progress Report No. 24 for June 2018 to the EPA.
- On 7/24/2018, EPA provided comments on the draft Waste Transport and Disposal Plan, Equipment Materials Staging Plan, Equipment Decontamination Plan, Stormwater Pollution Prevention Plan.
- On 7/26/2018, EPA notified DPR they had received a media inquiry and requested the number of trees that would be removed during Phase I ESA and if barges would be used for transportation of materials. On 7/27/2018, DPR responded with the number of trees that will be removed and provided a response on the use of barges.

Problems Encountered and Resolutions – July 2018

No problems were encountered.

Analytical Data Received – July 2018

No analytical data was received.

Upcoming Activities – August 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- Contractor will submit the outstanding portions of the Construction Plan to DPR for review.
- DPR will submit completed portions of the Construction Plan to EPA for review.

Anticipated Problems and Planned Resolutions – August 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 8/3/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

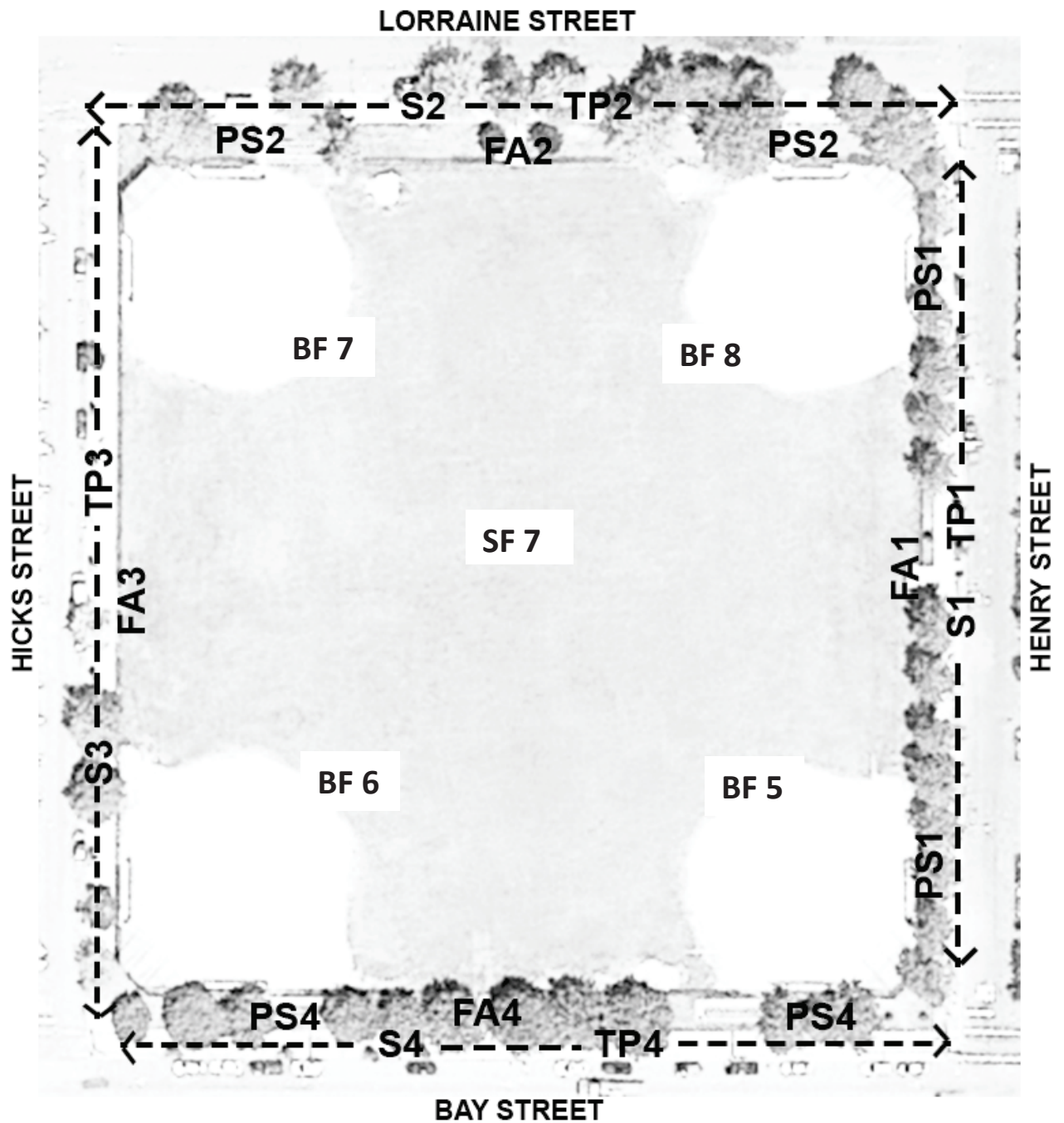
REPORT DATE	8/3/18
INSPECTION DATE	7/26/18
FOR MONTHLY PERIOD OF	June, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence behind bus stop was damaged. Repaired on 7/26.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 26

Reporting Period: August 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 26 - August 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 26 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2018

- On 8/29/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 9/13/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- TRC reviewed and responded to contractor submittals.



Project Progress Report No. 26 Reporting Period: August 2018

Page 2 of 2

EPA Communications and/or Requests – August 2018

- On 8/14/2018, DPR responded to EPA comments on portions of the Construction Plan. DPR also submitted Health and Safety Plan, Equipment Materials and Staging Plan, Equipment Decontamination Plan, Site Security Plan, Traffic Control Plan, Waste Transport and Disposal Plan, SWPPP, and Construction Schedule to EPA (entire plan less the QA/QC Plan). Jennifer LaPoma of EPA responded indicating that she was taking leave and that Dan Gaughan was taking over.
- On 8/15/2018, DPR submitted Progress Report No. 25 for July 2018 to the EPA.

Problems Encountered and Resolutions – August 2018

No problems were encountered.

Analytical Data Received – August 2018

No analytical data was received.

Upcoming Activities – September 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- EPA to provide comments on the Construction Plan to DPR.

Anticipated Problems and Planned Resolutions – September 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 9/13/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

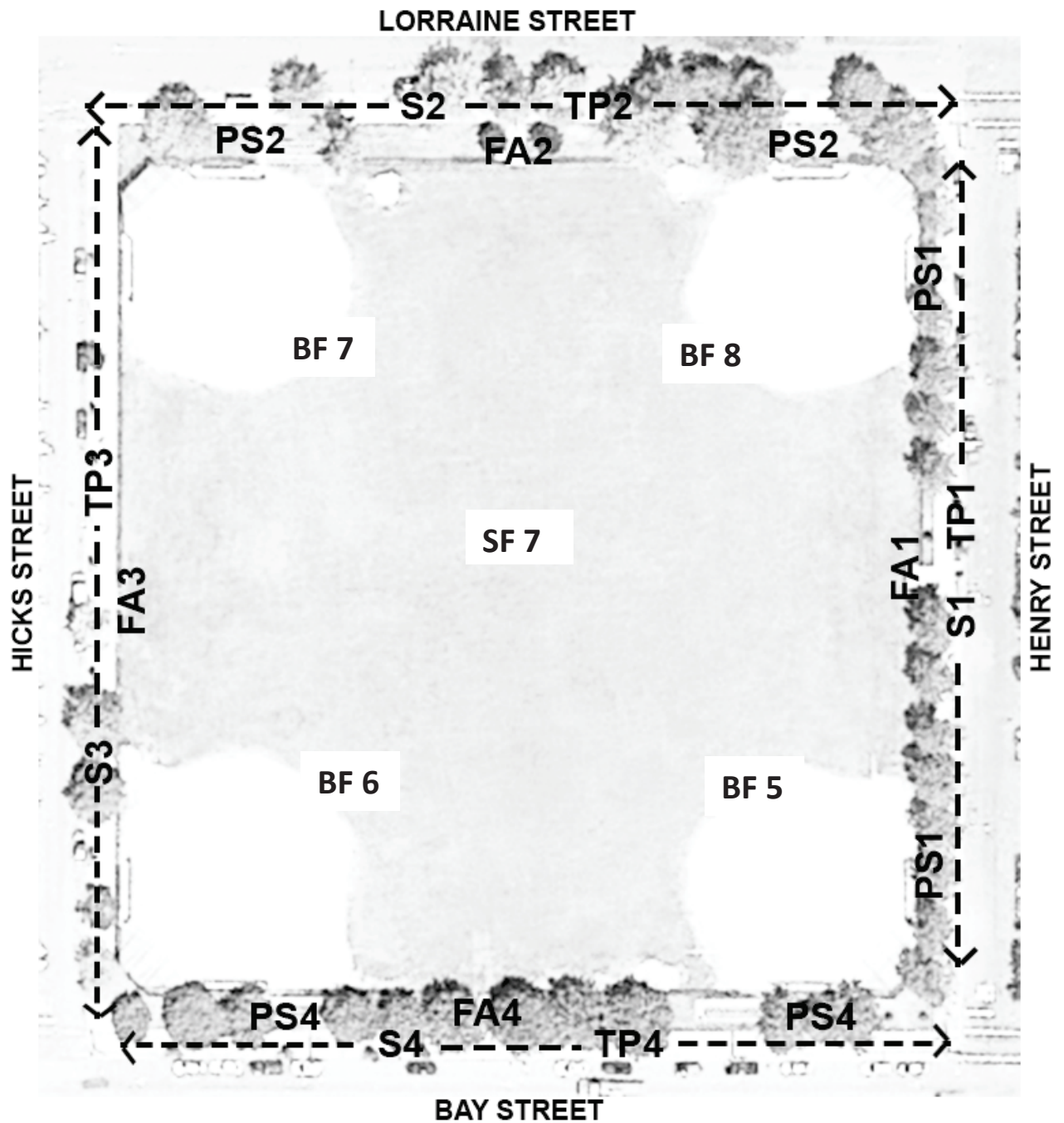
REPORT DATE	9/13/18
INSPECTION DATE	8/29/18
FOR MONTHLY PERIOD OF	August, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 27 **Reporting Period: September 2018**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 27 - September 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: October 8, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 27 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2018

- On 9/17/2018, DPR and the contractor LAWS, held a meeting on-site to discuss mobilization.
- On 9/28/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 10/1/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Woodchips were added to the Tree Pits along Henry Street on 9/29/2018.
 - Woodchips were added to the Tree Pits along Lorraine Street 9/29/2018.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 9/29/2018.



Project Progress Report No. 27

Reporting Period: September 2018

Page 2 of 2

- Woodchips were added to the Tree Pits along Hicks Street on 9/29/2018.
- Woodchips were added to the Tree Pits along Bay Street on 9/29/2018.
- TRC reviewed and responded to contractor submittals.

EPA Communications and/or Requests – September 2018

- On 9/10/2018, EPA indicated review of the Construction Plan was ongoing and requested an additional community update meeting prior to the start of construction.
- On 9/11/2018, DPR submitted the Construction QA/QC Plan to EPA.
- On 9/14/2018, based on a media inquiry received on July 26th, EPA requested a statement from DPR on the possibility of using a barge for import and export of material versus dump trucks.
- On 9/17/2018, DPR submitted Progress Report No. 26 for August 2018 to the EPA.
- On 9/18/2018, DPR notified EPA they would receive a half-size set of the Contract Drawings on 9/19/2018 and provided a link to download the drawings.
- On 9/25/2018, EPA agreed that the construction contractor may stage piles at the Site. EPA also indicated the trailers and fencing may not be installed until the Construction Plan is approved and a date for the community update meeting has been identified. EPA also requested to coordinate with DPR on the installation of signs at the Site for construction.

Problems Encountered and Resolutions – September 2018

No problems were encountered.

Analytical Data Received – September 2018

No analytical data was received.

Upcoming Activities – October 2018

- DPR to continue with the procurement of the contractor for Ball Fields 5-8.
- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- EPA to provide comments on the Construction Plan to DPR.
- DPR and EPA to meet to discuss EPA comments to Construction Plan on 10/15/2018.
- Community update meeting scheduled for 10/25/2018.

Anticipated Problems and Planned Resolutions – October 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 10/1/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

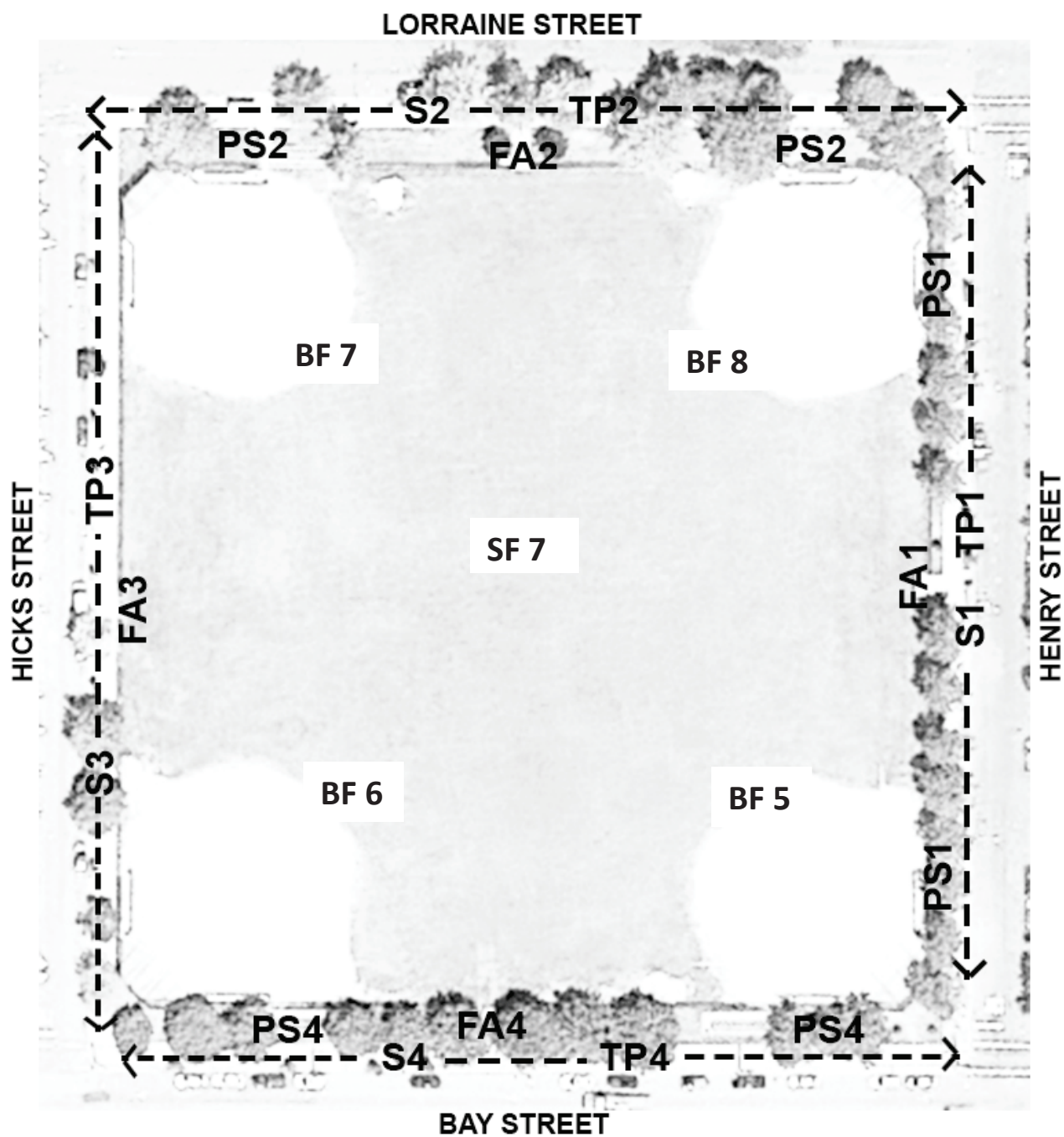
REPORT DATE	10/1/18
INSPECTION DATE	9/28/18
FOR MONTHLY PERIOD OF	September, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Woodchips added 9/29.
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Woodchips added 9/29.

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence damaged by bus stop. Repaired on 9/29.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Woodchips added 9/29.
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Woodchips added 9/29.
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 28 **Reporting Period: October 2018**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 28 - October 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: November 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 28 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2018

- On 10/15/2018, DPR, TRC and the contractor met to discuss the EPA comments to the Construction Plan.
- On 10/25/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 11/7/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 10/26/2018.
- TRC reviewed and responded to contractor submittals.



Project Progress Report No. 28 Reporting Period: October 2018

Page 2 of 2

EPA Communications and/or Requests – October 2018

- On 10/3/2018, EPA provided comments on the Construction Plan to DPR.
- On 10/9/2018, DPR submitted Progress Report No. 27 for September 2018 to the EPA.
- On 10/15/2018, DPR submitted the Supplemental Surface Soil Sampling Report to EPA.
- On 10/22/2018, EPA and DPR held a conference call to discuss the community update meeting.
- On 10/25/2018, EPA and DPR held a community update meeting.
- On 10/29/2018, EPA requested the CAMP figure be revised to include the location of the dust monitoring stations and requested a descriptive paragraph for the CAMP data.

Problems Encountered and Resolutions – October 2018

No problems were encountered.

Analytical Data Received – October 2018

No analytical data was received.

Upcoming Activities – November 2018

- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- DPR to provide revised Construction Plan to EPA.

Anticipated Problems and Planned Resolutions – November 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 11/7/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

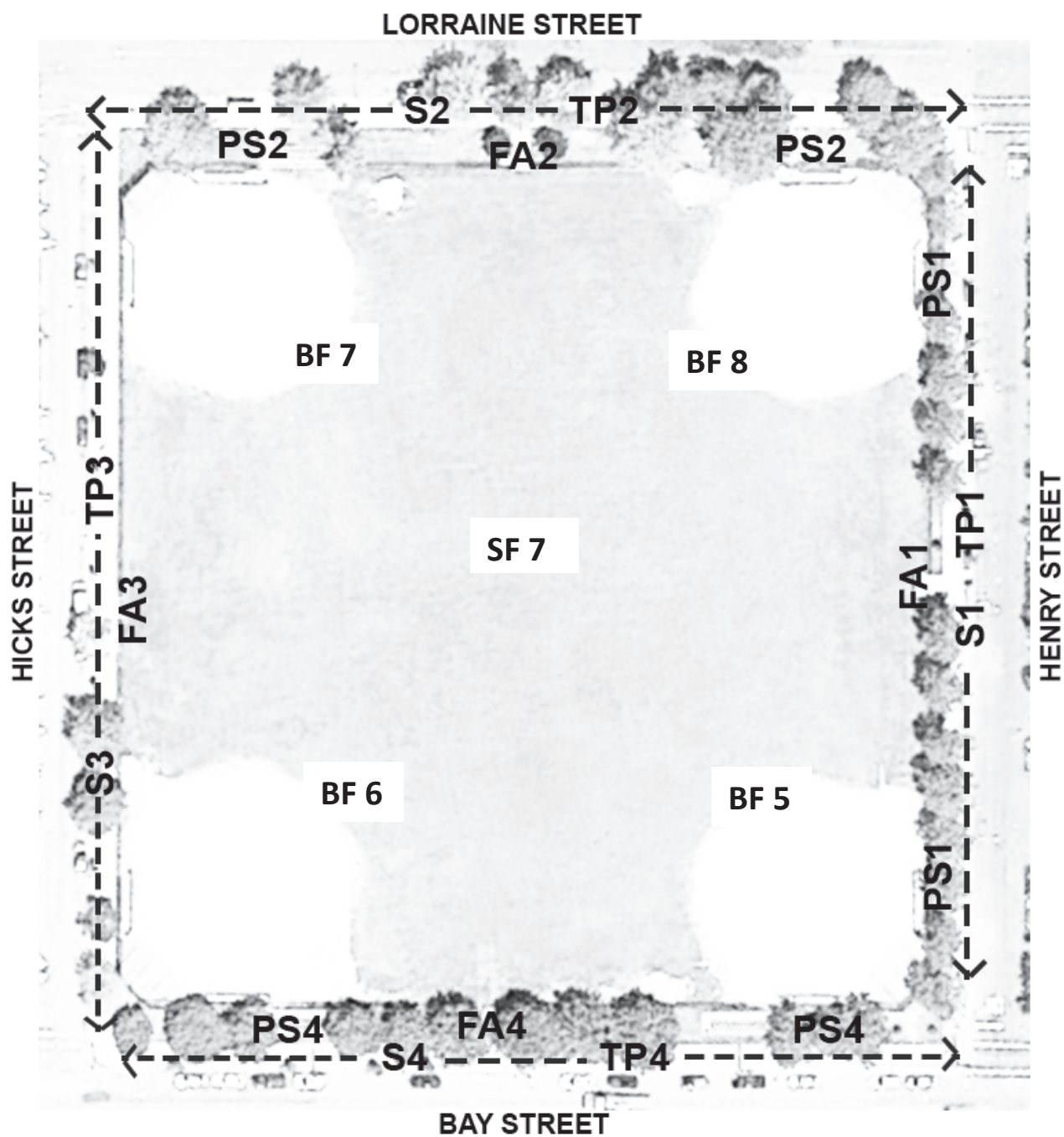
REPORT DATE	11/7/18
INSPECTION DATE	10/25/18
FOR MONTHLY PERIOD OF	October, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence damaged by bus stop. Repaired on 10/26.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 29 **Reporting Period: November 2018**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 29 - November 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: December 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 29 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2018

- On 11/28/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 12/11/2018. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 11/29/2018.
- TRC reviewed and responded to contractor submittals.



Project Progress Report No. 29 Reporting Period: November 2018

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EPA Communications and/or Requests – November 2018

- On 11/1/2018, DPR issued responses to EPA comments to the Construction Plan.
- On 11/2/2018, EPA requested clarification on DPR's responses to EPA Comments and a paragraph describing the CAMP data.
- On 11/13/2018, DPR issued clarifications to EPA comments to the Construction Plan and indicated a CAMP paragraph would be provided.
- On 11/21/2018, EPA responded indicating they accept the comments and clarifications and requested final versions by Monday, 12/17/2019.
- On 11/29/2018, EPA issued an email to DPR discussing the Health and Safety requirements for the contractor. Specially, indicating the EPA believes the contractor should perform activity based sampling for dust and blood level testing.

Problems Encountered and Resolutions – November 2018

No problems were encountered.

Analytical Data Received – November 2018

No analytical data was received.

Upcoming Activities – December 2018

- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- DPR to provide clarification to EPA on CAMP reporting.
- Monthly inspection of the Interim Removal Measures.
- DPR to provide revised final Construction Plan to EPA.

Anticipated Problems and Planned Resolutions – December 2018

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 12/11/2018

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

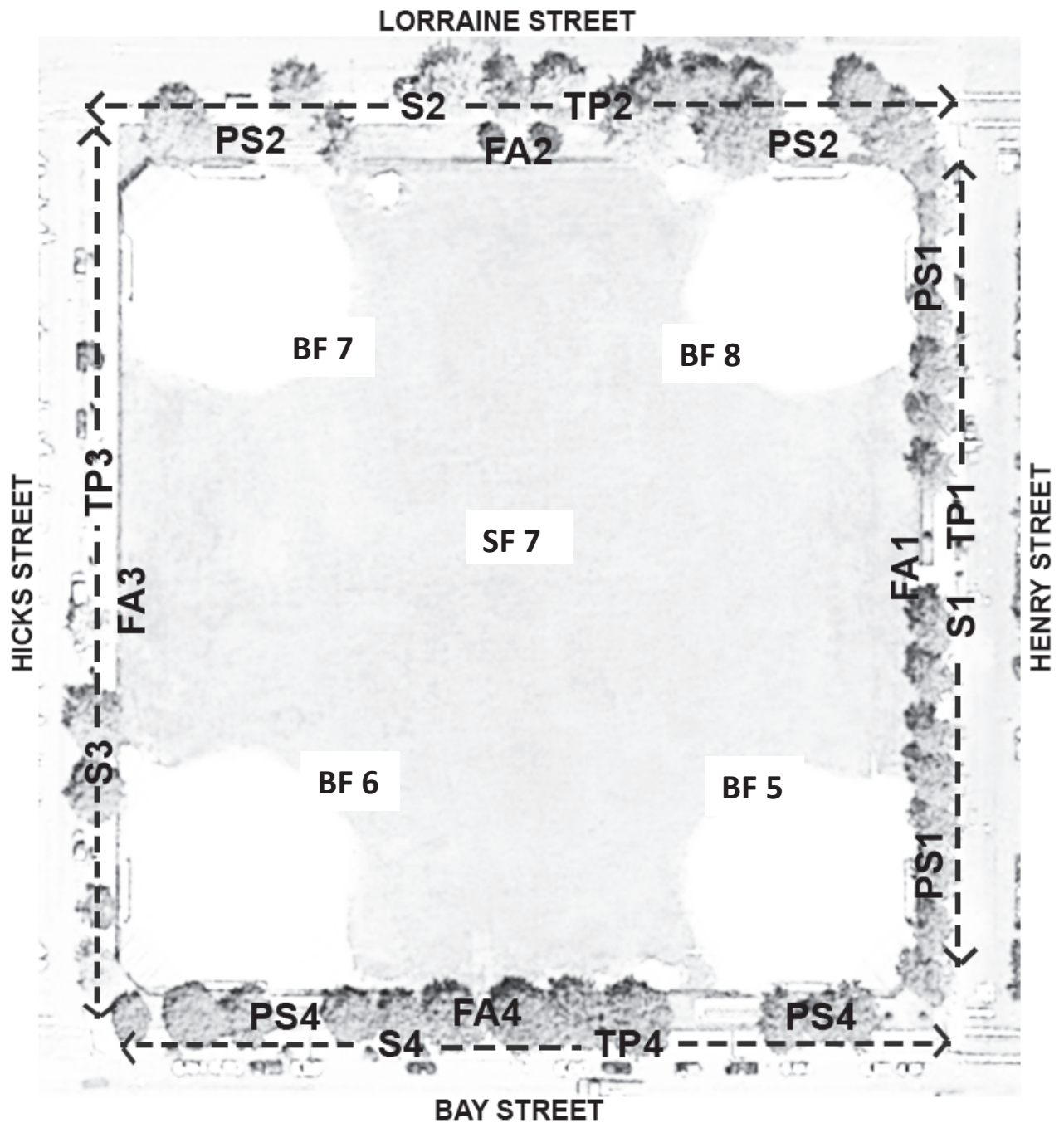
REPORT DATE	12/11/18
INSPECTION DATE	11/28/18
FOR MONTHLY PERIOD OF	November, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence damaged by bus stop. Repaired on 11/29.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 30 Reporting Period: December 2018

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 30 - December 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 15, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 30 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2018 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2018

- On 12/19/2018, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 1/14/2019. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.
- TRC reviewed and responded to contractor submittals.



Project Progress Report No. 30 Reporting Period: December 2018

Page 2 of 2

EPA Communications and/or Requests – December 2018

- On 12/6/2018, EPA issued a letter to DPR dated 12/6/2018 in connection with Health and Safety requirements for the contractor. Specially, indicating the EPA believes the contractor should perform activity based sampling for lead dust and blood lead level testing.
- On 12/14/2018, DPR submitted the revised Traffic Control Plan, Equipment and Materials Staging Plan, and Site Security Plan to EPA.
- On 12/18/2018, DPR submitted Progress Report Nos. 28 and 29 for October and November 2018 to the EPA.

Problems Encountered and Resolutions – December 2018

No problems were encountered.

Analytical Data Received – December 2018

No analytical data was received.

Upcoming Activities – January 2019

- DPR to notify EPA of resolution to signage at Soccer Field 2 and Ball Fields 1-4 in response to EPA's comments on the signage provided on May 3, 2018.
- Monthly inspection of the Interim Removal Measures.
- DPR to provide revised final Construction Plan to EPA.

Anticipated Problems and Planned Resolutions – January 2019

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 1/14/2019

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

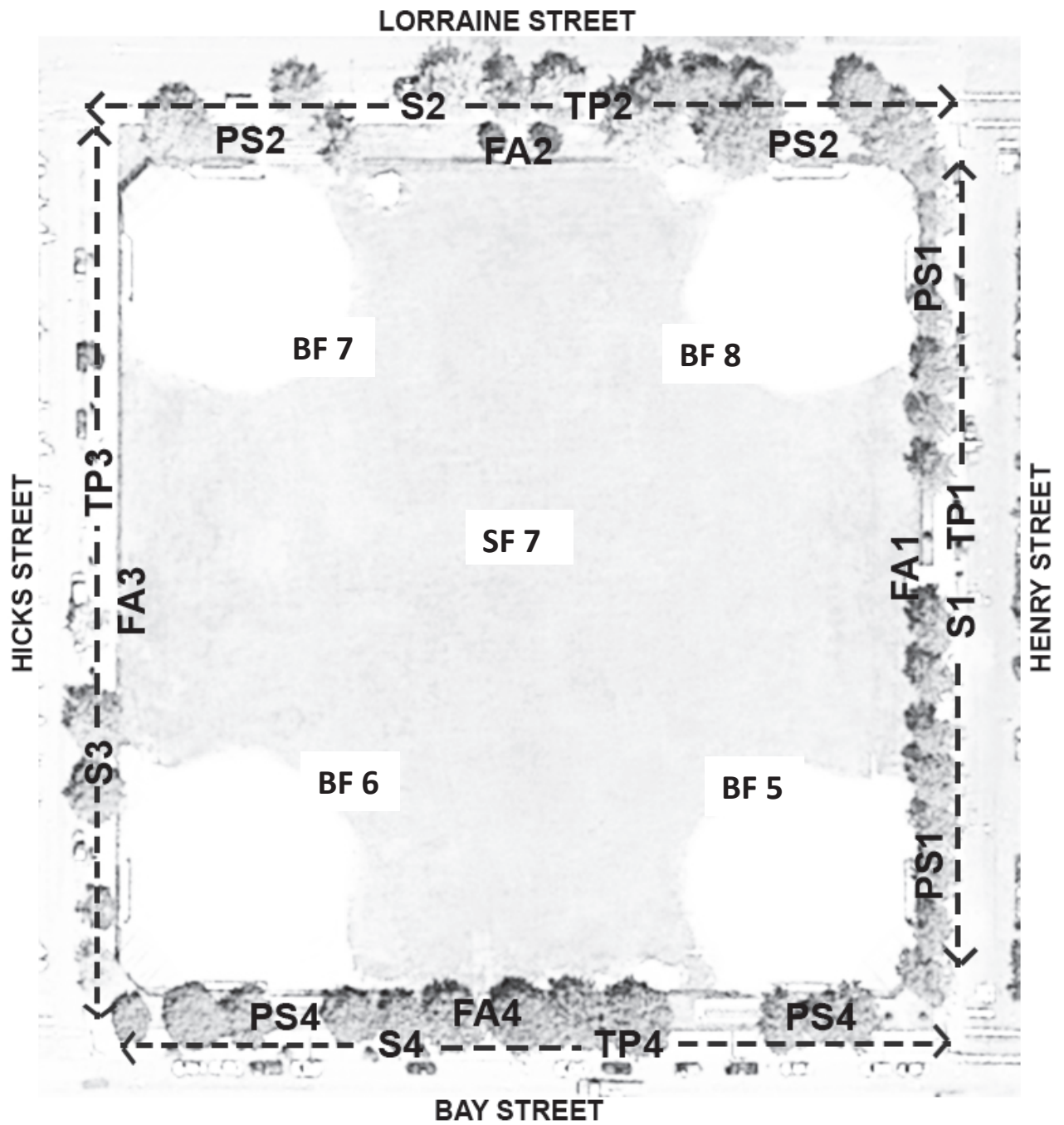
REPORT DATE	1/14/19
INSPECTION DATE	12/19/18
FOR MONTHLY PERIOD OF	December, 2018
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 31 Reporting Period: January 2019

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 31 - January 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 26, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 31 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2019

- On 1/16/2019, TRC reviewed and provided comments on the Resident Engineer Log to DPR.
- On 1/25/2019, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 2/8/2019. The Monthly Inspection Report is included as Appendix A. The inspection identified the following conditions that required corrective action.
 - Fencing along Lorraine Street was observed to be damaged and was repaired on 1/28/2019.
 - Bare soil was observed in Street Tree Pits along Bay Street, wood chips were added on 1/28/2019.



Project Progress Report No. 31 Reporting Period: January 2019

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- On 1/30/2019, TRC reviewed and provided comments on the draft NYSDEC Consent Order to DPR.
- TRC reviewed and responded to contractor submittals.

EPA Communications and/or Requests – January 2019

- On 1/3/2019, DPR submitted the revised Waste Transport Disposal Plan to EPA. Dan Gaughan responded to DPR indicating that due to the government shutdown the EPA could not review the documents.
- On 1/16/2019, DPR submitted Progress Report No. 30 for December 2018 to the EPA. DPR also submitted the revised Equipment Decontamination Plan and QA/QC Plan to EPA for review.

Problems Encountered and Resolutions – January 2019

No problems were encountered.

Analytical Data Received – January 2019

No analytical data was received.

Upcoming Activities – February 2019

- Monthly inspection of the Interim Removal Measures.
- DPR to provide revised final Construction Plan to EPA.

Anticipated Problems and Planned Resolutions – February 2019

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Implementation Checklist – 2/8/2019

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

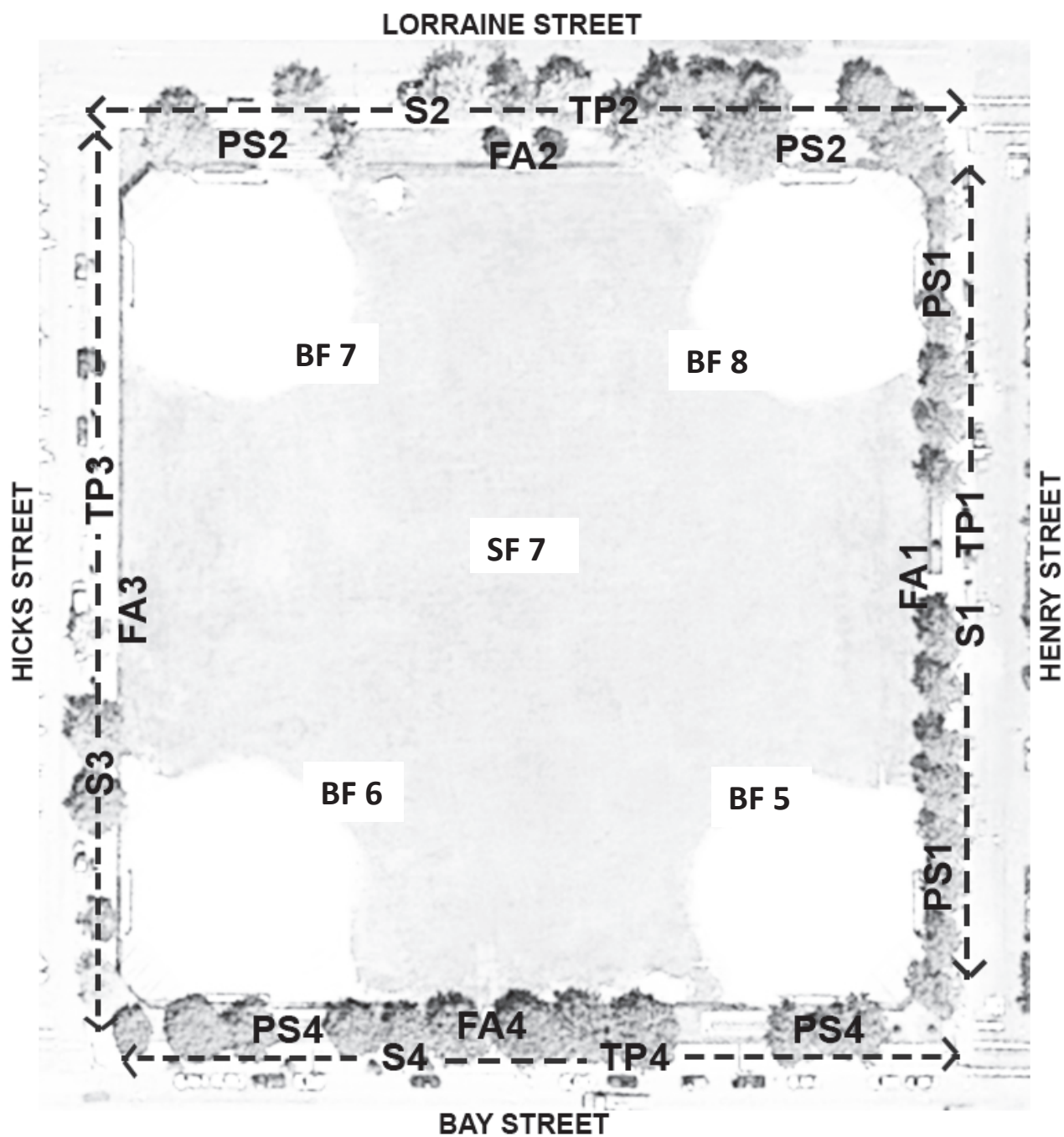
REPORT DATE	2/8/19
INSPECTION DATE	1/25/19
FOR MONTHLY PERIOD OF	January, 2019
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Fence damaged by bus stop. Repaired 1/28/19.
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Chips added 1/28/19.
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 32 **Reporting Period: February 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 32 - February 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: March 25, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 32 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2019

- TRC reviewed and responded to contractor submittals including Construction Plan.
- On 2/25/2019, DPR conducted the Monthly Inspection of Interim Removal Measures at Red Hook Ball Fields 5 through 8. The inspection was documented in the inspection report dated 3/6/2019. The Monthly Inspection Report is included as Appendix A. The inspection identified no conditions that required corrective action.

EPA Communications and/or Requests – February 2019

- On 2/14/2019, EPA provided additional comments to DPR on the HASP, QA/QC Plan, and Traffic Control Plan.



Project Progress Report No. 32

Reporting Period: February 2019

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- On 2/20/2019, DPR submitted a draft weekly CAMP report to EPA.
- On 2/21/2019, DPR requested EPA confirm which plans have been reviewed and approved by EPA. In addition, DPR indicated the revised QA/QC, Traffic Control Plan, and Waste Transport and Disposal Plans will be submitted to EPA for review. The plans were revised to address the EPA comments provided on 2/14/2019.
- On 2/21/2019, EPA responded confirming the HASP, Equipment and Materials Staging Plan, Equipment Decontamination Plan, and the Site Security Plan are approved by the EPA.

Problems Encountered and Resolutions – February 2019

No problems were encountered.

Analytical Data Received – February 2019

No analytical data was received.

Upcoming Activities – March 2019

- Monthly inspection of the Interim Removal Measures.
- DPR to provide revised final Construction Plan to EPA.
- Contractor to mobilize to the Site and begin construction activities.

Anticipated Problems and Planned Resolutions – March 2019

No problems are currently anticipated.

Enclosure

Appendix A – Monthly Inspection of Interim Removal Measures Checklist – 3/6/2019

APPENDIX A

MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES CHECKLIST

RED HOOK BALL FIELDS 5 THROUGH 8
MONTHLY INSPECTION OF INTERIM REMOVAL MEASURES

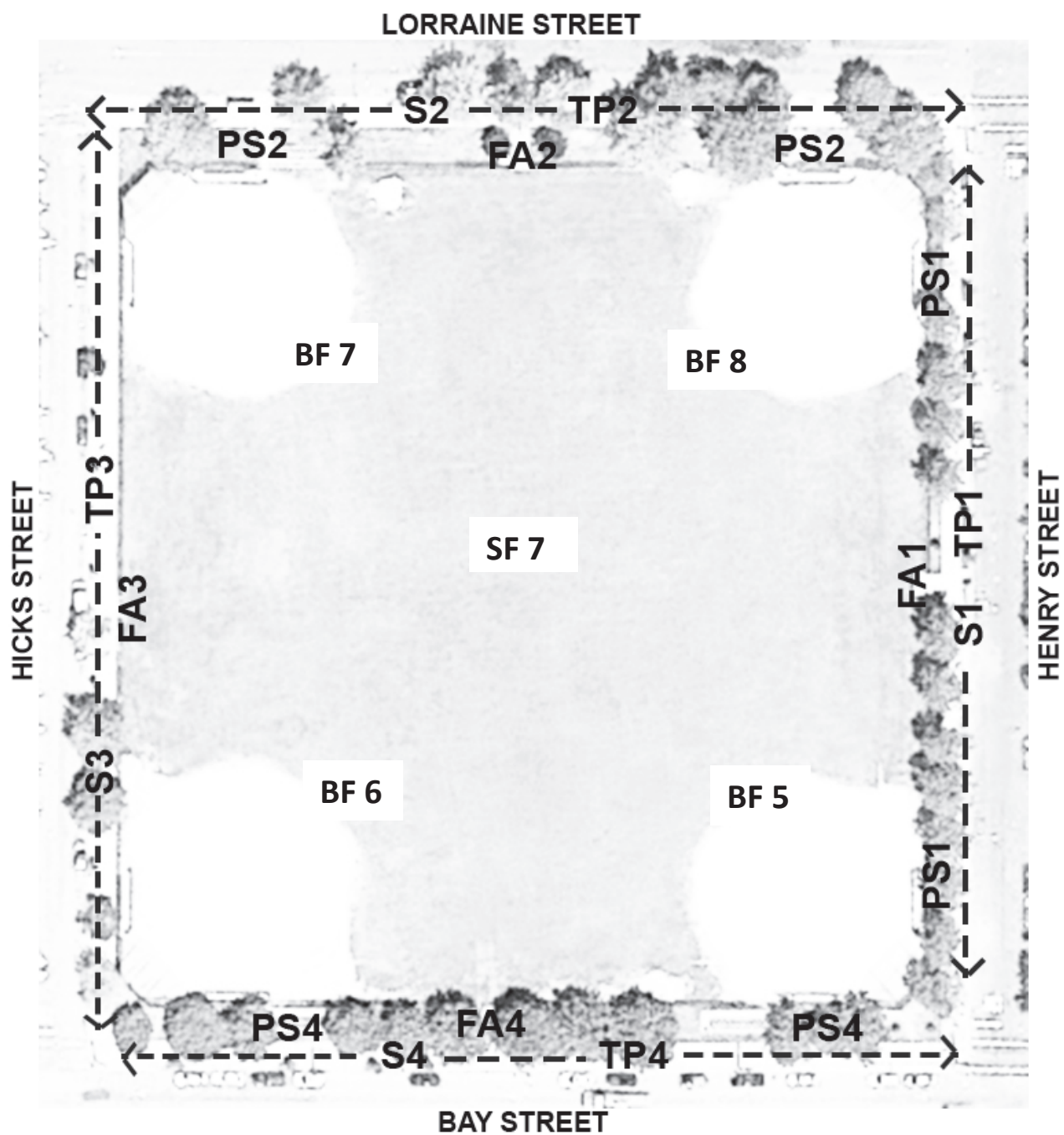
REPORT DATE	3/6/19
INSPECTION DATE	2/25/19
FOR MONTHLY PERIOD OF	February, 2019
NAME, TITLE, AND PHONE NUMBER OF PERSON COMPLETING REPORT	Jamey Hewitt, Deputy Chief of Operations 718-965-8971

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
S1	SIDEWALK – HENRY ST.	ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP1	TREES PITS – HENRY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS1	PLANTING STRIPS – HENRY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA1	FIELD ACCESS – HENRY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S2	SIDEWALK – LORRAINE ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP2	TREES PITS – LORRAINE ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS		NOTES/ ACTION TAKEN AND DATE
PS2	PLANTING STRIPS – LORRAINE ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA2	FIELD ACCESS – LORRAINE ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S3	SIDEWALK – HICKS ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP3	TREES PITS – HICKS ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
FA3	FIELD ACCESS – HICKS ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
S4	SIDEWALK – BAY ST.	ARE THERE ANY AREAS OF BROKEN PAVEMENT WHERE SOIL IS EXPOSED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TP4	TREES PITS – BAY ST.	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PS4	PLANTING STRIPS – BAY ST.	IS THE RANGE FENCE IN PLACE AND IN GOOD CONDITION? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ARE THERE SEVERAL INCHES OF WOODCHIP COVERING? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
FA4	FIELD ACCESS – BAY ST.	ARE THE GATES LOCKED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IS SIGNAGE IN PLACE, IN GOOD CONDITION, AND CLEARLY LEGIBLE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

LOCATION ON MAP	LOCATION	CONDITIONS	NOTES/ ACTION TAKEN AND DATE
BF5	BALL FIELD 5	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF6	BALL FIELD 6	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF7	BALL FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
BF8	BALL FIELD 8	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SF7	SOCCER FIELD 7	ARE THERE ANY AREAS OF EXPOSED SOIL VISIBLE? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	PLANNED REPAIRS OR OTHER SITE ACTIVITIES	ARE ANY ACTIVITIES REQUIRING NEW EXCAVATIONS OR SOIL DISTURBANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		IS MOWING OF VEGETATIVE COVER FOR THE PURPOSE OF SITE MAINTENANCE PLANNED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

RED HOOK BALL FIELDS 5 THROUGH 8
SITE INSPECTION MAP





Project Progress Report No. 33 **Reporting Period: March 2019**

Page 1 of 3

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 33 - March 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 26, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 33 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2019

- On 3/4/2019, DPR's construction contractor (LAWS) and Resident Engineer (AECOM) mobilized to the Site. Work conducted at the Site during April 2019 includes the following.
 - Installation of the perimeter construction fence and dust netting.
 - Installation of the stabilized construction entrance.
 - Tree removal and installation of asphalt pavement in the street tree pits.
 - Installation of No Parking signs on the perimeter roadways.
 - Performance of the initial survey.
 - Performance of the pre-construction photographs.

- On 3/13/2019, DPR notified TRC that the MTA requested that DPR install a concrete pad at the relocated bus stop on the corner of Lorraine Street and Hick Street.
- On 3/21/2019, TRC's landscape architect provided DPR with revised sketches for the installation of a concrete pad at the temporary bus stop on Lorraine Street.
- TRC reviewed and responded to contractor submittals including Construction Plan.
- DPR discontinued the monthly Site inspections of the Interim Control Measures as of February 2019 due to the start of on-site construction activities.

EPA Communications and/or Requests – March 2019

- On 3/6/2019, EPA visited the Site.
- On 3/7/2019, EPA requested DPR provide an update on the status of the CAMP reporting language.
- On 3/7/2019, DPR responded with CAMP dust monitoring action levels and responses.
- On 3/7/2019, EPA responded with a comment to the alert language.
- On 3/11/2019, DPR and EPA held community update meeting number 10.
- On 3/22/2019, EPA emailed DPR confirming the all portions of the construction plan were now approved.
- On 3/24/2019, DPR emailed EPA asking how the final documents should be transmitted.
- On 3/25/2019, EPA responded to DPR indicating the documents should be provided in accordance with the Agreement.
- On 3/25/2019, DPR responded to EPA asking if the construction plan may be submitted to DPR on a CD or flash drive.
- On 3/27/2019, EPA responded DPR indicating the Order does not specify how the plans are submitted to EPA. DPR responded acknowledging the EPA email.
- On 3/27/2019, EPA sent an email to DPR indicating that for the next four months (April through July 2019), Greg DeAngelis will be performing the field oversight of the work on going at Ball Fields 5-8. EPA requested that Greg DeAngelis be included on future emails pertaining to active/proposed site work at Ball Fields 5-8 especially the two-week look ahead schedules.

Problems Encountered and Resolutions – March 2019

No problems were encountered.

Analytical Data Received – March 2019

No analytical data was received.

Upcoming Activities – April 2019

- DPR to provide electronic version of the Final Construction Plan to EPA.
- DPR to provide EPA with 2 week look ahead schedule and CAMP data.



- Construction contractor to perform the following activities.
 - Continue installation of perimeter fence and dust netting.
 - Continue removal of the ball field fencing, bleachers, benches, bollards, etc.
 - Install tree protection for existing trees to remain.
 - Environmental Monitor to begin performance of CAMP

Anticipated Problems and Planned Resolutions – April 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 34 Reporting Period: April 2019

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 34 - April 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: May 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 34 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2019

- Work conducted at the Site during April 2019 includes the following.
 - Removal of ball field fencing and curb, bleachers, and bollards.
 - Installation of tree protection for existing trees to remain.
 - Installation of the stabilized soil staging/handling area.
 - Performance of the Community Air Monitoring Program (CAMP). First day of CAMP was 4/8/2019.
 - Piles were delivered to the Site.
 - Surveyed the location for the installation of the piles.



- Ten test piles installed at the Site.
 - Equipment decontaminated prior to demobilization from the Site.
- TRC reviewed and responded to contractor submittals including Construction Plan.

EPA Communications and/or Requests – April 2019

- On 4/2/2019, DPR responded to EPA's request to copy Greg DeAngelis on correspondence regarding the project including the two-week look ahead schedules.
- On 4/3/2019, EPA visited the Site.
- On 4/9/2019, EPA requested DPR provide an electronic version of the final Construction Plan.
- On 4/10/2019, DPR submitted the electronic version of the Construction Plan to the EPA. EPA responded confirming they were able to download the documents. EPA also visited the Site.
- On 4/16/2019, EPA visited the Site.
- On 4/23/2019, EPA visited the Site.
- On 4/30/2019, EPA visited the Site.

Problems Encountered and Resolutions – April 2019

No problems were encountered.

Analytical Data Received – April 2019

No analytical data was received.

Upcoming Activities – May 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Construction contractor to perform the following activities.
 - Decontaminate and remove concrete from the Site.
 - Excavate and stockpile clay infields and topsoil on-site for waste characterization sampling.
 - Conduct negative exposure assessment for workers.
 - Perform load tests on piles.
 - ConEd to install electrical services for on-site construction trailers.

Anticipated Problems and Planned Resolutions – May 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 35 **Reporting Period: May 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 35 - May 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: July 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 35 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2019

- Work conducted at the Site during May 2019 includes the following.
 - Transported 46 loads of concrete to Allocco Recycling in Brooklyn, NY.
 - Saw cut and removed concrete sidewalk located inside of construction fence.
 - Excavated and stockpiled topsoil for waste characterization sampling.
 - Installation of silt fencing along perimeter of the Site following removal of the concrete sidewalk.
 - Installation of silt fencing around soil stockpiles.
 - Stockpiles covered at the end of the work day.



Project Progress Report No. 35 Reporting Period: May 2019

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- On 5/15/2019, the Contractor's environmental consultant (AES) collected waste characterization soil samples and performed personal air monitoring of workers.
- Performance of the Community Air Monitoring Program (CAMP).
- Installation of orange construction fencing to delineate exclusion zone.
- Hand Excavation at existing tree number 41.
- Special Inspector (Metric) conducted lateral load test on driven piles.
- Geotextile fabric delivered to the Site.
- Installed piles.
- Excavation around driven piles along Henry Street for cutting and welding.

EPA Communications and/or Requests – May 2019

- On 5/7/2019, EPA (Greg DeAngelis) visited the Site.
- On 5/14/2019, EPA (Greg DeAngelis) visited the Site.
- On 5/14/2019, DPR submitted Progress reports for January, February, and March to EPA.
- On 5/21/2019, EPA (Greg DeAngelis) visited the Site.
- On 5/28/2019, EPA (Greg DeAngelis) visited the Site.

Problems Encountered and Resolutions – May 2019

No problems were encountered.

Analytical Data Received – May 2019

No analytical data was received.

Upcoming Activities – June 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to provide the results of the waste characterization sampling.
- Contractor to perform the following activities.
 - Complete pile installation.
 - ConEd to install electrical services for on-site construction trailers.

Anticipated Problems and Planned Resolutions – June 2019

No problems are currently anticipated.

Enclosure: None



Project Progress Report No. 36 Reporting Period: June 2019

Page 1 of 3

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 36 - June 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: July 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 36 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2019

- Work conducted at the Site during June 2019 includes the following.
 - Contactor maintained tarps on stockpiles.
 - Contractor maintained soil erosion controls at perimeter of soil stockpiles.
 - Completed installation of piles.
 - Cut piles to length along Henry Street.
 - Welded piles caps to cut pile along Henry Street.
 - Bus stop was removed from the sidewalk along Lorraine Street near the intersection of Lorraine Street and Hicks Street.

- Contractor stockpiled on-site reuse as Stockpile No. 4.
- On 6/12/2019, the Contractor's environmental consultant (AES) collected waste characterization soil samples from on-site reuse Stockpile No. 4.
- HDPE pipe was delivered to the Site.
- Temporary power was installed to the Site trailers and guard booth.
- Stockpiles covered at the end of the work day.
- Performance of the Community Air Monitoring Program (CAMP).
- On 6/27/2019, TRC submitted the revised metes and bounds for the Consent Order Area to DPR.

EPA Communications and/or Requests – June 2019

- On 6/4/2019, EPA (Greg DeAngelis) visited the Site.
- On 6/12/2019, EPA (Greg DeAngelis) attended on-site progress meeting.
- On 6/14/2019, DPR held a call with EPA to discuss waste tracking and the applicability of the "Off-Site Rule". DPR also sent an email to EPA requesting confirmation the proposed waste tracking form for concrete and asphalt was acceptable and requesting clarification on the applicability of the "Off-Site Rule".
- On 6/17/2019, EPA responded to DPR confirming the proposed concrete and asphalt tracking form is acceptable. Additionally, EPA confirmed DPR must contact the EPA Regional Off-Site Contact (ROC) for the state in which the facility is located (New Jersey is in Region 2, while Pennsylvania is in Region 3) to determine if the proposed disposal facility is in compliance.
- On 6/17/2019, EPA (Greg DeAngelis) visited the Site.
- On 6/20/2019, EPA (Dan Gaughan) sent an email to the Contractor and DPR with the contact information for the representatives in PA, NJ, and NY that need to receive written notices
- On 6/25/2019, EPA (Greg DeAngelis) attended on-site progress meeting.

Problems Encountered and Resolutions – June 2019

- The Contractor has indicated it is their opinion the existing on-site soil is not suitable for reuse. DPR is working to address this issue.
- The Contractor stockpiled and sampled existing on-site soils (referred to as Stockpile No. 4) for waste disposal characteristics. Existing soil does not require sampling to be reused on-site beneath the clean fill cover layer. DPR is working to resolve this issue.

Analytical Data Received – June 2019

- The laboratory analytical results of stockpile No. 1, 2, and 3 (approximately 3,000 cubic yards) were provided to DPR. The results indicated the soil may be classified as non-hazardous regulated material for disposal.
- The laboratory analytical results of stockpile No. 4 (approximately 1,000 cubic yards of reuse) indicated Toxicity Characteristic Leaching Procedure (TCLP) lead was detected at concentrations



equal to or exceeding the USEPA hazardous waste toxicity characteristic criterion for leachable lead of 5 milligrams per liter (mg/L).

Upcoming Activities – July 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to provide all documentation necessary to begin transported topsoil off-site for disposal.

Anticipated Problems and Planned Resolutions – July 2019

- DPR to resolve issue of reuse of existing on-site soil as backfill with the Contractor.

Enclosure: None



Project Progress Report No. 37
Reporting Period: July 2019

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 37 - July 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 37 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2019

- Work conducted at the Site during July 2019 includes the following.
 - Contractor constructed forms for pile caps along Henry Street.
 - Contractor maintained silt fencing around stockpiles.
 - Contractor collected soil samples from Stockpile #4 for proctor tests.
 - Rebar delivered to the Site.
 - Silt sacks installed in all catch basins.
 - Shoring delivered to the Site.



EPA Communications and/or Requests – July 2019

- On 7/1/2019, LAWS sent soil disposal forms directly to EPA.
- On 7/1/2019, EPA (Dan Gaughan) responded indicating the forms provided by LAWS were not complete.
- On 7/8/2019, EPA (Dan Gaughan) responded to DPR clarifying the EPA Off-site rule requirements.
- On 7/8/2019, LAWS responded directly to EPA providing various soil disposal documentation.
- On 7/9/2019, EPA (Stephen Forostiak) responded to LAWS' email indicating that Waste Management in Fairless Landfill in Morrisville, PA and New Morgan/Conestoga Landfill in Morgantown, PA are acceptable to receive waste.
- On 7/9/2019, EPA attended the Progress Meeting conference call.
- On 7/11/2019, EPA (Dan Gaughan) forwarded an email to LAWS indicating that the EPA (Mark Pane) finds the Gloucester County Improvement Authority acceptable based on past use of the facility.
- On 7/16/2019, EPA attended the Progress Meeting conference call.
- On 7/30/2019, EPA attended the Progress Meeting conference call.

Problems Encountered and Resolutions – July 2019

- The Contractor has indicated it is their opinion the existing on-site soil including material stockpiled in Stockpile #4 is not suitable for reuse. DPR is working to address this issue.

Analytical Data Received – July 2019

- Supplemental laboratory analytical results of stockpile Nos. 1, 2, and 3 (approximately 3,000 cubic yards) were provided to DPR. The results indicated the soil may be classified as non-hazardous regulated material for disposal.

Upcoming Activities – August 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to provide all documentation necessary to begin transportation of topsoil off-site for disposal.
- Contractor to continue forming of pile caps and retaining wall along Henry Street.

Anticipated Problems and Planned Resolutions – August 2019

- DPR to resolve issue of reuse of existing on-site soil as backfill with the Contractor.

Enclosure: None



Project Progress Report No. 38 **Reporting Period: August 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 38 – August 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 38 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2019

- Work conducted at the Site during August 2019 includes the following.
 - Shoring delivered to the Site.
 - Drainage structures delivered to the Site.
 - Backfilling of Henry Street pile cap trench to bring the grade up to correct level.
 - Contractor constructed forms for pile caps along Henry Street.
 - AECOM performed CAMP.
 - ConEdison provided power to the on-site construction trailers.
 - Pouring of pile caps along Henry Street.



Project Progress Report No. 38

Reporting Period: August 2019

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- Begin framing retaining wall along Henry Street.
- Start off-site transportation and disposal of soil staged in Stockpiles 1, 2, and 3.
- On 8/22/2019, the contractor's Health and Safety Coordinator (Mr. Peter Crosby), was on-site to perform personal air monitoring for the workers framing the retaining wall along Henry Street and the workers involved in the excavation and loading of Stockpiles 1, 2, and 3. Soil is transported by JC Transport to Waste Management Facility in Fairless, PA.
- Excavation occurring for construction of the pile caps and retaining wall along Bay Street and Lorraine Street.

EPA Communications and/or Requests – August 2019

- On 8/6/2019, AECOM and DPR held a call with EPA (Greg D.) to discuss Site activities.
- On 8/7/2019, EPA and DPR held a community update meeting. TRC attended the meeting.
- On 8/13/2019, EPA attended the Progress Meeting conference call.
- On 8/20/2019, EPA (Dan Gaughan and Greg D.) visited the Site.
- On 8/27/2019, EPA attended the Progress Meeting conference call.

Problems Encountered and Resolutions – August 2019

- The Contractor has indicated it is their opinion the existing on-site soil including material stockpiled in Stockpile #4 is not suitable for reuse. DPR is working to address this issue.
- The Contractor has raised concerns regarding the grading plan and the construction of the clean cover cap in the area of the synthetic turf field. DPR is working to address this issue.

Analytical Data Received – August 2019

- None received.

Upcoming Activities – September 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to continue the transport and disposal of the soil located in stockpiles 1, 2, and 3.
- Contractor to continue forming of retaining wall along Henry Street and excavation to allow forming of pile caps along Bay Street and Lorraine Street.
- AECOM will continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – September 2019

- DPR to resolve issue of reuse of existing on-site soil as backfill with the Contractor.

Enclosure: None



Project Progress Report No. 39 **Reporting Period: September 2019**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 39 - September 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 39 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2019

- Work conducted at the Site during September 2019 includes the following.
 - Continue forming foundation wall and installing rebar along Henry Street.
 - Removed loads of soil from Stockpile #1, 2, and 3.
 - Metric performed soil compaction testing on piles located North side of Henry Street trench, concrete inspection, and rebar inspection.
 - Poured concrete for upper section of wall on south side of Henry Street.
 - Remove soil for manhole #2 near Henry Street.
 - Install temporary shoring to install Manhole #2.



- Concrete form work and pouring along Henry Street upper foundation Wall Type 4.
- Formwork and concrete pour for encasement of piping connecting Manhole #2 to existing storm drain.
- Backfill and soil compaction in north and south section of Henry Street trench.
- Remove forms for concrete poured for upper foundation of Wall Type 3 and 4 areas.
- Rebar installed from pile caps and bending of #7 J-bars.
- Pour foundation wall sections along Henry Street from pile cap locations, sections between piles where Manhole #3 and the existing Manhole on Henry Street connect.
- Excavate for Manhole #3 on south side of Henry Street Trench, along Bay Street, Lorraine Street, and on the south side of Hicks Street.
- Install shoring boxes along Bay Street.
- Form pile caps at corner of Bay and Henry Street.
- Pour pile caps along Bay Street from pile cap locations.

EPA Communications and/or Requests – September 2019

- On 9/10/19, EPA attended Progress Meeting #8.
- On 9/11/2019, EPA attended Bi-weekly conference call with TRC and DPR.
- On 9/17/19, EPA (Greg D.) visited the site.
- On 9/23/19, EPA attended conference call with TRC and DPR.
- On 9/24/19, EPA (Dan Gaughan), DPR, AECOM, LAWS, ABB Consulting, and TRC attended the Progress Meeting conference call.

Problems Encountered and Resolutions – September 2019

- None

Analytical Data Received – September 2019

- None received.

Upcoming Activities – October 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to finish pouring in Henry Street trench for wall sections, removing Stockpile #3 from job site, and form foundation wall penetrations on Henry Street.
- Contractor to begin installation of pile cap forms and rebar/form work for upper wall along Lorraine Street.
- AECOM will continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – October 2019

- None



Project Progress Report No. 39
Reporting Period: September 2019

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- **Enclosure:** None



Project Progress Report No. 40 **Reporting Period: October 2019**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 40 - October 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 40 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2019

- Work conducted at the Site during October 2019 includes the following.
 - Install rebar from piles for upper sections of Bay Street and along Hicks and Lorraine Street.
 - Install pile cap rebar on corner of Henry and Bay Street and Hicks Street.
 - Metric performed compaction testing and rebar and concrete inspection.
 - Install shoring around MH-H3 on Bay Street and in the center of Henry Street.
 - Remove forms for concrete poured and continue forming pile caps along Bay Street and Hicks Street.
 - Concrete placement on pile caps and walls between caps.



- Install forms for wall on caps.
- Install shoring around pile caps along western side of Bay Street and South side of Hicks Street.
- Pour pile caps on Bay Street and on Hicks Street.
- Install hook bars, #4 U bars, #7 J bars, #4 horizontal and #4 vertical bars.
- Pour concrete on pile caps, middle section, and upper wall section along Bay Street.
- Install temporary shoring along middle section of Hicks Street and Lorraine Street.
- Complete connections between manholes.
- Broken stone delivered.
- Trench excavation to connect the bioswale piping to major drainage on the south side of Henry Street.

EPA Communications and/or Requests – October 2019

- On 10/1/2019, EPA attended Bi-weekly phone call with DPR and TRC.
- On 10/08/2019, DPR, AECOM, LAWS, EPA, and TRC attended Progress Meeting.
- On 10/29/2019, DPR, AECOM, LAWS, and TRC attended Progress Meeting.

Problems Encountered and Resolutions – October 2019

- Pile caps affected (179 – 192) by #7 J-bars cut form bracing and are exposed. Currently working on how to deal with areas that have already been poured.

Analytical Data Received – October 2019

- None received.

Upcoming Activities – November 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to continue pouring in Bay Street trench for pile cap and upper wall sections as well as form and rebar pile caps at Hicks Street.
- AECOM will continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – November 2019

- None

Enclosure: None



Project Progress Report No. 41
Reporting Period: November 2019

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 41 - November 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 41 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2019

- Work conducted at the Site during November 2019 includes the following.
 - Continue excavating major drainage areas on Henry Street
 - Broken stone delivered to site.
 - Install concrete on pile caps, spaces between boxes, and upper wall – corner of Hicks and Bay Street and Lorraine Street.
 - Metric performed rebar inspection, concrete inspection, and compaction testing.
 - Major drainage on Henry Street and Lorraine Street to manholes.
 - Dispose of Lorraine Street trench concrete and existing site manholes that were removed.

- Install concrete wall on Henry Street and upper wall on Bay Street from pile caps.
- Install horizontal #4 bars and vertical #7 bars on Upper Wall Section of Lorraine Street.
- Remove drainage piping from Ballfield #8 and connection pipe to get off field.
- Remove under drainage in Ballfield #5.
- Remove infield pipe on Ballfield #5, #6, and #7.
- Measure rebar installed from pile caps.
- Install temporary shoring on Lorraine Street for major drainage to manholes and trenches.

EPA Communications and/or Requests – November 2019

- On 11/5/2019, EPA (Greg D.) visited the site.
- On 11/12/2019, EPA, DPR, AECOM, LAWS, and TRC attended the Progress Meeting.
- On 11/18/2019, EPA notified DPR that Irmgard Lopez will assume the role of On-Scene Coordinator starting November 25, 2019.
- On 11/18/2019, EPA notified DPR that EPA indicated they require the clean cover cap thickness in the sports field to be a minimum of 12-inches. EPA also indicated that on-site reuse may be used as backfill above the drainage structures.
- On 11/19/2019, DPR requested EPA's availability to discuss the thickness of the clean cover cap in the sports field area.
- On 11/19/2019, EPA asked if DPR if showering was required for on-site employees and that a HASP sign-in sheet be maintained on-site.
- On 11/21/2019, EPA, DPR, TRC had a call to discuss the thickness of the cover layer in the sports field. EPA indicated they would need something in writing if DPR intended to install less than 12-inches of clean cover.
- On 11/22/2019, EPA attended a call with DPR and EPA to discuss the cover thickness at the Site.
- On 11/26/2019, EPA (I. Lopez) visited the site.

Problems Encountered and Resolutions – November 2019

- Pile caps affected (179 – 192) by #7 J-bars cut during form work. To resolve, contractor will epoxy and dowel new #7 J-bars into the pile caps to the full height.

Analytical Data Received – November 2019

- None received.

Upcoming Activities – December 2019

- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- Contractor to continue pouring Lorraine Street for upper wall sections, form and rebar, and site connection work.
- AECOM will continue to perform CAMP during soil disturbance.



Anticipated Problems and Planned Resolutions – December 2019

- No anticipated problems.

Enclosure: None



Project Progress Report No. 42 **Reporting Period: December 2019**

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To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 42 - December 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 42 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2019 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2019

- Work conducted at the Site during December 2019 includes the following.
 - Metric performed rebar inspection.
 - Measure concrete to be poured from piles on Upper Wall of Hicks Street.
 - Install pipe connecting from L19/L20 in Lorraine Street major drainage trench.
 - Install temporary shoring on Lorraine Street major drainage.
 - Excavate lateral trenches connecting to Lorraine Street major drainage.
 - Dewater Lorraine Street major drainage.
 - Installed Nyloplast drainage basin connection.



Project Progress Report No. 42 Reporting Period: December 2019

Page 2 of 2

- Installed perforated polyethylene corrugated pipe at Lorraine Street middle major drainage.
- Installed bioswale piping on the south side of Henry Street and the corner of Ballfield #5.
- A 4,000 gallon UST was discovered at the Site. DPR is coordinating with the contractor on closure and removal.

EPA Communications and/or Requests – December 2019

- On 12/3/2019, EPA attended a Progress Meeting with the contractor, AECOM, DPR, and TRC.
- On 12/5/2019, EPA (I. Lopez) visited the site.
- On 12/17/2019, EPA attended a Progress Meeting with the contractor, AECOM, DPR, and TRC.

Problems Encountered and Resolutions – December 2019

- 4000-gallon UST was discovered in the Lorraine Street major drainage detention basin. DPR will coordinate with the contractor to remove the UST.

Analytical Data Received – December 2019

- None received.

Upcoming Activities – January 2020

- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- Contractor to continue removal of construction debris, covering stockpiles, and adjusting dust netting.
- DPR and LAWS to continue providing updates regarding oil tank removal.
- Contractor to begin grading on-site for installation of the field underdrainage.
- AECOM will continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – January 2020

- None

Enclosure: None



Project Progress Report No. 43 Reporting Period: January 2020

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 43 - January 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 17, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 43 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2020

- Work conducted at the Site during January 2020 includes the following.
 - Installed bioswale piping, drain basins with dome grate, and catch basins.
 - Delivered stones on site.
 - Installed stones around bioswale piping and on top of solid ADS pipe.
 - Installed shoring between L2 and existing MH on Lorraine Street.
 - Installed geotextile fabric and demarcation layers in bioswale locations.
 - LAWS (Gianpolo) performed SWPPP inspections.

- Metric performed compaction testing along foundation wall of Hicks and Bay Street and major drainage areas by Henry Street and Lorraine Street.
- Installed lifts in the wall trench areas on Hicks/Bay Streets.
- Backfill/compact foundation wall trenches and major drainage basins, repair honeycomb in walls, and compaction of the main field.
- Excavate exterior foundation wall.
- AECOM performed CAMP.
 - On 1/10/2020, elevated downwind dust levels were recorded at 10:33 am and 10:43 am. These concentrations were associated with equipment maintenance and not a result of on-site soil disturbance.
- On 1/21/2020, revised drawings were issued to the contractor. The drawings included new drawing L205 Maximum Elevation of Demarcation Layer Plan, revised Drawing L205 Field Underdrainage Plan, and Drawing L501 Site Details.

EPA Communications and/or Requests – January 2020

- On 1/7/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 1/14/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 1/21/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 1/28/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – January 2020

- 4000-gallon UST was discovered in the Lorraine Street major drainage detention basin. DPR and LAWS working to file registration in order to remove the tank. AECOM is in the process of putting together a change order with 3 vendors prior to hiring a subcontractor to complete work.
- Construction related non-conformance items were performed by the contractor and tracked by AECOM.
- The project is behind the DPR construction schedule.

Analytical Data Received – January 2020

- None received.

Upcoming Activities – February 2020

- Continue perform bioswale and curb work.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- Continue contracting to remove the 4000-gallon UST.
- Contractor to repair cracks in pile supported wall.
- AECOM to continue to perform CAMP during soil disturbance.



Anticipated Problems and Planned Resolutions – February 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 44 Reporting Period: February 2020

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 44 - February 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 9, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 44 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2020

- Work conducted at the Site during February 2020 includes the following.
 - Installed woodchips and hand excavated around trees 23, 26, and 30.
 - Installed stone, geotextile fabric, and demarcation layer in the Henry Street and East Side Lorraine Street bioswale areas with no piping.
 - Repaired foundation wall crack by installing dry well drainage piping between water foundations/bioswale areas.
 - Removed concrete from existing catch basins/RPZ.
 - Installed bioswale wall forms on Bay Street.

- Began opening Lorraine Street to access the water main for wet tap.
- AARCO removed the UST within Lorraine Street major drainage area. The tank cleaned, removed and disposed of as scrap. Post excavation soil samples were collected and submitted for laboratory analysis.
- AECOM performed CAMP.
 - On 2/12/20, elevated upwind dust levels were recorded at 10:00 am.
 - On 2/18/2020, elevated downwind dust levels were recorded at 1:38 pm and upwind dust levels at 8:01am and 1:01 pm.
 - On 2/19/2020, elevated downwind dust levels were recorded at 7:45 am and upwind dust levels at 7:48 am.
 - On 2/20/2020, elevated upwind dust levels were recorded at 7:30 am and downwind dust levels at 9:03 am
 - On 2/24/2020, elevated upwind and downwind dust levels were recorded at 9:38 am.
 - On 2/26/2020, elevated downwind dust levels were recorded at 11:34 am.
- On 1/21/2020, revised drawings were issued to the contractor. The drawings included new drawing L205 Maximum Elevation of Demarcation Layer Plan, revised Drawing L205 Field Underdrainage Plan, and Drawing L501 Site Details.

EPA Communications and/or Requests – February 2020

- On 2/4/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 2/11/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 2/18/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 2/25/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – February 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.
- The UST was blocking construction of the stormwater detention system. This work will be able to continue now that the tank is removed.

Analytical Data Received – February 2020

- None received.

Upcoming Activities – March 2020

- Continue installing bioswale curb on Bay Street.
- Continue excavating the water main for wet tap.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.



Anticipated Problems and Planned Resolutions – March 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 45 **Reporting Period: March 2020**

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 45 - March 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 9, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 45 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2020

- Work conducted at the Site during March 2020 includes the following.
 - Removed forms from Bay Street wall section and began installing forms on Henry Street.
 - Began installing RFI-32 re-design at Hicks Street entrance and RFI-33 gate location repairs.
 - Installed bioswale curb on Henry Street, BF#8 Backstop, East and West side of Lorraine Street, and Middle-West of Bay Street.
 - Removed existing foundation wall/sidewalk at Hicks Street entrance.
 - Installed new water line tap in Lorraine Street.

- Installed sonotubes for Henry Street – South Ramp foundation.
- The contractor finished spreading stockpile No. 4.
- Received and removed loads of concrete from the site.
- Received DOT material to backfill water line trench.
- Continue installing forms along Lorraine Street.
- Continue spreading Stockpile #4.
- Completed Lorraine Street major drainage area after UST was removed and began site cleanup around drainage area.
- On 3/6/2020, NYDOT provided the contractor with updated plans for the electric pole foundation submittal. Advised to use the drawing for FDN-005 for the WP style lamp posts specified for this job.
 - On 3/12/2020, Contractor began excavation for light post foundations.
- On 3/11/2020, Metric performed compaction testing inside the foundation wall of existing grade of BF#5, 7, and 8. Contractor is allowed to continue installing subgrade material.
- Plumbers installed 2” K-tubing from Lorraine Street connection to RPZ vault.
- AECOM performed CAMP.
 - On 3/4/20, elevated upwind dust levels were recorded at 2:16pm.
 - On 3/18/20, elevated upwind dust levels were recorded at 11:43am.
 - On 3/25/20, elevated downwind dust levels were recorded at 12:45pm.

EPA Communications and/or Requests – March 2020

- On 3/2/2020, EPA attended a conference call to discuss the presentation for the community update meeting on 3/3/2020.
- On 3/3/2020, EPA attended the community update meeting with DPR.
- On 3/4/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 3/10/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 3/17/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 3/24/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 3/31/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – March 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects. DPR intends to file for the project to receive essential designation so work at the Site may continue.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.



Analytical Data Received – March 2020

- On 3/17/2020, received post-excavation soil samples from the UST excavation. The results were presented to the NYSDEC who confirmed the excavation may be backfilled using existing onsite soil.
- On 3/20/2020, received soil analytical results indicating the topsoil removed from within the critical root zone of the existing trees to remain is characterized as Hazardous for disposal due to elevated TCLP lead levels.

Upcoming Activities – April 2020

- DPR to receive essential designation allowing work to continue at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When work resumes at the Site the following activities will occur.
 - Continue installing forms, sonotubes, and BF backstop.
 - Begin Henry Street North Ramp foundation.
 - Continue RFP-32 installation at Hicks Street entrance.
 - DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
 - AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – April 2020

The Site shutdown due to COVID-19 was not anticipated and will impact the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 46 Reporting Period: April 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 46 – April 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: May 11, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 46 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2020

- The Contractor visits the Site weekly to repair soil erosion controls and confirm the Site is secure.
- AECOM visits the Site weekly to inspect the Site conditions.
- No other work was performed.

EPA Communications and/or Requests – April 2020

- On 4/07/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 4/14/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 4/21/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.



Problems Encountered and Resolutions – April 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – April 2020

- Analytical data was received in connection with disposal of topsoil removed the critical root zone of existing trees that will remain and material removed from around the underground storage tank discovered at the Site. The results of the soil removed from the critical root zone of the existing trees indicates the material is characterized as a hazardous waste for disposal. The material removed from around the underground storage tank is characterized as non-hazardous for disposal.
- No other analytical data was received.

Upcoming Activities – May 2020

- DPR to receive essential designation allowing work to continue at the Site.
- Construction work to resume at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When work resumes at the Site the following activities will occur.
 - Continue installing forms, sonotubes, and BF backstop.
 - Begin Henry Street North Ramp foundation.
 - Continue RFP-32 installation at Hicks Street entrance.
 - DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
 - AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – May 2020

The Site shutdown due to COVID-19 has impacted the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 47 Reporting Period: May 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 47 - May 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: June 5, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 47 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2020

- Repaired a fence on the east side of Lorraine Street due to a car accident on Friday, May 1st.
- Secured soil stockpile covers.
- AECOM took measurements from concrete work completed on 3/31/20.
- The Contractor performed weekly Site inspections to repair soil erosion controls and confirm the Site is secure.
- AECOM performs weekly Site inspections to evaluate Site conditions.



Project Progress Report No. 47 Reporting Period: May 2020

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EPA Communications and/or Requests – May 2020

- On 5/05/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 5/12/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 5/19/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 5/26/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – May 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- On 5/21/2020, the project Site was reclassified as essential and received the waiver to continue work. The Contractor is preparing a revised Health and Safety Plan for submission and approval prior to the restart of work.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – May 2020

- No analytical data was received.

Upcoming Activities – June 2020

- DPR to receive essential designation allowing work to continue at the Site.
- Construction work to resume at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When work resumes at the Site the following activities will occur.
 - Continue installing forms, sonotubes, and BF backstop.
 - Begin Henry Street North Ramp foundation.
 - Continue RFP-32 installation at Hicks Street entrance.
 - DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
 - AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – June 2020

The Site shutdown due to COVID-19 has impacted the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 48 Reporting Period: June 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 48 - June 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: July 17, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 48 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2020

- On 6/16/2020, AECOM performed one day of CAMP.
- Jersey Barriers were delivered on site and installed.
- Re-installed portions of the construction fence.
- The Contractor performed weekly Site inspections to repair soil erosion controls and confirm the Site is secure.
- AECOM performs weekly Site inspections to evaluate Site conditions.



EPA Communications and/or Requests – June 2020

- On 6/8/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 6/9/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 6/15/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 6/16/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 6/29/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 6/30/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – June 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- On 5/21/2020, the project Site was reclassified as essential and received the waiver to continue work. The Contractor prepared a revised Health and Safety Plan for submission.
- On 6/29/2020, the project Site resumed work.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – June 2020

- No additional laboratory analytical data received.

Upcoming Activities – July 2020

- Continue installing forms, sonotubes, and BF backstop.
- Begin Henry Street North Ramp foundation.
- Continue RFP-32 installation at Hicks Street entrance.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – July 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 49
Reporting Period: July 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 49 - July 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 49 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2020

- AECOM performed CAMP.
 - On 7/2/2020, and 7/6/2020 through 7/10/2020, there were equipment issues with the upwind and downwind dust monitors which led to inconsistent data throughout the day.
 - On 7/13/2020, elevated upwind dust levels were recorded at 8:47 am, 11:32 am, and 1:02 pm due to the installation of concrete forms and concrete pouring.
 - On 7/15/2020, elevated upwind dust levels were recorded at 11:23 am.
 - On 7/16/2020, elevated upwind dust levels were recorded at 10:23 am, 10:38 am, 11:08 am, 11:23 am, and 12:38 pm. The elevated concentrations were associated with LAWS trimming weeds near the upwind monitor generating dust.

- On 7/17/2020, elevated upwind dust levels were recorded at 6:41 am, 7:26 am, 12:36 pm and 1:21 pm due to elevated humidity.
 - On 7/20/2020, elevated upwind dust levels were recorded at 8:24 am, 9:09 am, 9:54 am, 10:09 am, 11:24 am, 12:39 pm, and 1:39 pm. These concentrations were associated with equipment maintenance and not a result of on-site soil disturbance.
 - On 7/21/2020, the internal pump for a downwind station failed which is why data isn't available.
 - On 7/22/2020, there was an equipment issue with a downwind station which only saved data until 10:11 am.
 - On 7/24/2020, elevated upwind dust levels were recorded at 8:23 am due to elevated humidity. Monitors were turned off at 10:00 am when it continued to rain for the remainder of the day.
- Transported the CRZ soil stockpile to Clean Earth of North Jersey.
 - Installed concrete curbing and stairs.
 - Continued excavating for ramp footings at Ball Field 8.
 - Poured concrete for ramps and curb foundations.
 - Excavated for light bases, footings, and electrical conduits at Bay Street, Ball Field 5.
 - The Contractor performed weekly Site inspections to repair soil erosion controls and confirm the Site is secure.

EPA Communications and/or Requests – July 2020

- On 7/6/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 7/7/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 7/13/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 7/14/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 7/20/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 7/21/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 7/27/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 7/28/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – July 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – July 2020

- No additional laboratory analytical data received.



Upcoming Activities – August 2020

- Continue installing forms, sono tubes, and ball field backstop.
- Continue excavation at Bay Street for foundation of ramp walls and electrical conduits between Ball Field 5 and 6.
- Continue concrete installation at Hicks Street entrance.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – August 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 50 **Reporting Period: August 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 50 – August 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: September 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 50 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2020

- AECOM performed CAMP.
 - On 8/3/2020, elevated downwind dust levels were recorded at 9:59 am due to the excavator working directly next to the Downwind unit.
 - On 8/5/2020, elevated upwind dust levels were recorded at 7:54 am.
 - On 8/6/2020, elevated upwind dust levels were recorded at 12:58 pm.
 - On 8/10/2020, elevated upwind dust levels were recorded at 9:42 am.
 - On 8/11/2020, elevated downwind dust levels were recorded at 11:09 am and 1:24 pm. The concentrations were associated with the excavator working next to the downwind unit.

- On 8/12/2020, elevated downwind dust levels were recorded at 10:52 am, 11:37 am, 11:52 am, and between 12:37 pm and 1:22 pm. The concentrations were associated with high humidity. The monitors were shut off temporarily until humidity levels decreased.
- On 8/13/2020, elevated upwind dust levels were recorded at 8:15 am.
- On 8/14/2020, elevated upwind dust levels were recorded at 11:17 am and 11:32 am due to the excavator working next to the upwind unit.
- On 8/26/2020, elevated downwind dust levels were recorded at 9:34 am, 9:49 am, 10:49 am, 11:49 am, 12:49 pm, and 1:34 pm.
- On 8/31/2020, elevated downwind dust levels were recorded at 9:51 am and 12:51 pm due to backfilling the ramp and compaction.
- Metric performed inspection of concrete pour for the Concrete Curb at Bay Street, Hicks Street, Lorraine Street, and Henry Street.
- Completed concrete installation for foundation and ramps, cheekwalls, footings, and ramps.
- Excavated soil along Bay Street to allow installation of electrical conduit, light pole footings, and pull boxes.
- Excavated soil along the Hicks Street to allow installation of light poles foundations.
- Continued backfilling material and compacting the east ramp along Lorraine Street.
- Installed concrete forms for light poles along Hicks Street.

EPA Communications and/or Requests – August 2020

- On 8/10/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 8/11/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 8/17/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 8/18/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 8/24/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 8/25/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – August 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – August 2020

- No additional laboratory analytical data received.

Upcoming Activities – September 2020

- Continue installation formwork and concrete for ramps, walls, and foundations.
- Continue to backfill material and compact along Lorraine Street.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.



- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – September 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 51 **Reporting Period: September 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 51 - September 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: October 12, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 51 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2020

- AECOM performed CAMP.
 - No exceedances were recorded.
- Metric performed inspection of concrete work for ramps along Lorraine Street and Henry Street.
- Continued concrete installation for foundations and ramps, cheek walls, landings, and ramps.
- Continued placement and compaction of backfill at the east ramp along Lorraine Street, north ramp along Henry Street, and west ramp area along Bay Street.
- Backfilled the bleacher along Bay Street.
- Installed sonotube forms for concrete curb piers along Bay Street.



EPA Communications and/or Requests – September 2020

- On 9/01/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 9/14/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 9/15/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 9/21/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 9/28/2020, EPA attended Progress Meeting with DPR, AECOM, and TRC.
- On 9/29/2020, EPA attended Progress Meeting with DPR, AECOM, and LAWS.

Problems Encountered and Resolutions – September 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – September 2020

- No additional laboratory analytical data received.

Upcoming Activities – October 2020

- Continue installation formwork and concrete for ramps, walls, and foundations.
- Continue to backfill material and compact along Lorraine Street.
- Continue concrete pour for ramps, landing, and concrete curbs.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – October 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 52 **Reporting Period: October 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 52 – October 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: November 25, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 52 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2020

- AECOM performed CAMP.
 - No exceedances were recorded.
- Metric performed inspection of concrete work for staircases and sonotubes along Bay Street.
- Continued concrete installation for foundations and ramps, staircases, sidewalk, landings, and ramps.
- Installed sonotubes and piers for concrete curb along Lorraine Street and Bay Street.
- Contractor installed RPZ water meter.
- Water fountains delivered on site.



EPA Communications and/or Requests – October 2020

- On 10/5/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/13/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 10/19/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/26/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/27/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – October 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – October 2020

- No additional laboratory analytical data received.

Upcoming Activities – November 2020

- Continue installation formwork and concrete for ramps, walls, and foundations.
- Continue concrete pour for ramps, landing, and concrete curbs.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – November 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 53
Reporting Period: November 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 53 – November 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: December 28, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 53 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2020

- AECOM performed CAMP.
 - No exceedances were recorded.
- Continued concrete installation for foundations and ramps, sidewalk, landings, footings, and cheek walls.
- Installed Bottle Filler Drinking foundation at Bay Street
- Installed an Electrical Conduit between Bay and Hicks Street.
- Installed sonotubes for concrete curb along Henry Street and Bay Street.
- Bioretention soil and top soil were delivered on site.



EPA Communications and/or Requests – November 2020

- On 11/2/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 11/10/2020, EPA attended a Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 11/16/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 11/24/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 11/30/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – November 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – November 2020

- No additional laboratory analytical data received.

Upcoming Activities – December 2020

- Continue installation formwork and concrete for ramps, walls, and foundations.
- Continue concrete pour for sonotubes, ramps, landing, footings, and concrete curbs.
- Continue Bottle Filler Drinking Fountain installation.
- Placement of Bioretention soil and top soil.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – December 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 54
Reporting Period: December 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 54 – December 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: January 26, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 54 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2020 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2020

- AECOM performed CAMP.
 - No exceedances were recorded.
- Continued concrete installation for foundations and ramps, sidewalk, landings, footings, and staircase
- Continued installation for the Bottle Filler Drinking Fountain Basin and Bottle Fillers at Bay, Hicks, and Lorraine Street.
- Mainstream installed Ground rods in electrical splice boxes, Light Poles, and Relay Pole mounted control cabinet.



Project Progress Report No. 54 Reporting Period: December 2020

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- Installed sonotubes for concrete curb along Bay, Lorraine, and Hicks Street.
- Installed and backfilled topsoil on planting beds and Bioretention soil along Henry and Lorraine Street.

EPA Communications and/or Requests – December 2020

- No meetings were held.

Problems Encountered and Resolutions – December 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – December 2020

- No additional laboratory analytical data received.

Upcoming Activities – January 2021

- Continue installation formwork and concrete for ramps, walls, and foundations.
- Continue concrete pour for sonotubes, ramps, landing, footings, and concrete curbs.
- Continue placement of bioretention soil and topsoil.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – January 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 55 **Reporting Period: January 2021**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 55 – January 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 15, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 55 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Excavated for dugout curb footings and sonotubes along Bay, Lorraine, and Hicks Street.
- Installed demarcation layer and backfilled the dugout area with clean soil and gravel.
- Continued concrete pour and installation of formwork for sonotubes, pavements, walls, dugout curb, and concrete curbs along Bay, Lorraine, and Hicks Street.
- Mainstream installed fuses inside Light poles and continued tagging and splicing wires inside electric boxes.



- Nathan Enterprise installed fencing on Bay Street.

EPA Communications and/or Requests – January 2021

- On 1/4/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 1/11/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 1/25/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – January 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – January 2021

- No additional laboratory analytical data received.

Upcoming Activities – February 2021

- Continue demarcation layer installation for Dugout area.
- Continue concrete pour and installation formwork for sonotubes, pavements, walls, dugout curb and concrete curbs.
- DPR to continue to provide EPA with 2 weeks look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – February 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 56 Reporting Period: February 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 56 – February 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 6, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 56 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Continued concrete pour and installation of formwork for the dugout area at Lorraine, Henry, and Bay Street.
- Continued demarcation layer installation for the dugout area at Lorraine Street.



EPA Communications and/or Requests – February 2021

- On 2/1/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 2/8/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 2/16/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 2/22/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – February 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – February 2021

- No additional laboratory analytical data received.

Upcoming Activities – March 2021

- Continue demarcation layer installation for dugout area.
- Continue concrete pour and installation formwork for sonotubes, pavements, walls, dugout curb and concrete curbs.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – March 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 57 Reporting Period: March 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 57 – March 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: April 14, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 57 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Continued concrete installation and formwork for the dugout area, pavements, and slabs.
- Continued demarcation layer installation for the dugout area and water system.
- Installed geogrid and geotextile for drainage along Lorraine Street.
- Installed and backfilled the waterline trench.
- Installed perimeter turf attachment along Lorraine, Henry, and Hicks street.

- Installed Cast Iron Valve Box at Lorraine Street.
- Westshore Plumbing installed pipes and plug valves along the water trench from Bay Street towards Lorraine Street and Lorraine Street to Hicks Street.
 - Completed connection for water fountain.
- Nathan Enterprise installed chain link fence posts and steel fences along Henry Street.
- Borrowed fill and broken stone were delivered on site.

EPA Communications and/or Requests – March 2021

- On 3/1/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/8/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/15/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/16/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 3/17/2021, TRC emailed EPA indicating DPR would like to use EPA ID number obtained for Ball Fields 5-8 for the disposal of hazardous soil generated on Ball Field 9 since both areas are included in the EPA Consent Order and thereby part of the former Columbia Smelting & Refining Works site for which the EPA ID number was issued. EPA responded confirming using the EPA ID number from Ball Fields 5-8 for Ball Field 9 is acceptable.
- On 3/22/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/29/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/30/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – March 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – March 2021

- No additional laboratory analytical data received.

Upcoming Activities – April 2021

- Continue demarcation layer installation for dugout area.
- Continue concrete pour and installation formwork for the dugout area, pavements, and slabs.
- Continue backfilling and compacting borrowed fill for the water supply trench line.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – April 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 58 Reporting Period: April 2021

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To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 58 – April 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: June 2, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 58 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Continued concrete pour and installation of formwork for the dugout area, water fountain, pavements, and manhole box.
- Continued demarcation layer installation for the dugout area and water system.
- Continued installation of geogrid and geotextile for drainage.
- Continued installation of perimeter turf attachment.
- Continued installation of Cast Iron Valve Boxes.

- Installed manhole covers and frames and manhole box walls.
- Installed and backfilled planting pits and beds with topsoil.
- Installed Riverstone and landscape boulders along Lorraine, Bay, Henry, and Hicks Street.
- Removed stumps along Lorraine Street.
- Hand excavation for tree pits along Lorraine Street.
- Completed installation of drinking fountains.
- Westshore Plumbing installed ground hydrants at Bay Street and Lorraine Street.
- Nathan Enterprise continued the installation of chain link fence posts and steel fences along Bay Street and Lorraine Street.
- Broken stone and landscape boulders were delivered on site.

EPA Communications and/or Requests – April 2021

- On 4/5/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 4/12/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 4/13/2021, EPA attended a Progress Meeting with DPR, AECOM, and LAWS.
- On 4/19/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 4/26/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 4/27/2021, EPA attended a Progress Meeting with DPR, AECOM, and LAWS.

Problems Encountered and Resolutions – April 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – April 2021

- No additional laboratory analytical data received.

Upcoming Activities – May 2021

- Continue demarcation layer installation for dugout area.
- Continue concrete pour and installation formwork for the dugout area, pavements, and slabs.
- Continue backfilling planting pits and beds with borrowed fill.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – May 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 59 Reporting Period: May 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 59 – May 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: August 3, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 59 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Nathan Enterprise continued the installation and grouting of chain link fence posts and steel fences along Bay Street and Lorraine Street. Completed installation of railing for chain link fence along Bay, Henry, and Lorraine Street. Began installing mesh and braces for the backstop at Ball Field 5.
- On 5/21/2021, Tectonic completed site survey for demarcation installation.
- In production completed installation of steel bleachers along Bay Street.
- Mesh and Steel bleachers were delivered on site.



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Reporting Period: May 2021

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- The excavation of the void located in Ballfield 7 was backfilled and compacted.
- Saw cutting of pavement for the DEP connection at Hicks Street.

EPA Communications and/or Requests – May 2021

- On 5/3/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 5/10/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 5/11/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 5/17/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 5/24/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 5/25/2021, EPA attended a Progress Meeting with DPR, AECOM, and LAWS, and TRC.

Problems Encountered and Resolutions – May 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – May 2021

- No additional laboratory analytical data received.

Upcoming Activities – June 2021

- Continue demarcation layer installation for dugout area.
- Continue concrete pour and installation of formwork for the dugout area, pavements, and slabs.
- Continue backfilling planting pits and beds with borrowed fill.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – June 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 60 Reporting Period: June 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
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Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 60 – June 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: August 3, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 60 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2021

- AECOM performed CAMP.
 - No exceedances were recorded.
- Nathan Enterprise continued the installation and grouting of chain link fence posts and steel fences along Bay Street and Lorraine Street. Continued the installation of mesh and braces for the backstop at Ballfield 5. Began the installation of mesh for chain link fences and backstop at Ball Field 5 and 8. Began painting steel fences along Bay Street and Lorraine Street.
- Contractor removed weeds from Bioswale area around site.

EPA Communications and/or Requests – June 2021

- On 6/7/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.



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- On 6/14/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 6/21/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM and TRC.
- On 6/22/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 6/28/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – June 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.
- Awaiting Surveying submittal from Tectonic.

Analytical Data Received – June 2021

- No additional laboratory analytical data received.

Upcoming Activities – July 2021

- Nathan Enterprise to continue the installation of chain link fence posts, steel fences, and backstop.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- AECOM to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – July 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 61 Reporting Period: July 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 61 – July 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: August 26, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 61 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2021

- AECOM performed CAMP. CAMP was discontinued on 7/23/2021 since all existing on-site soil is now capped.
 - No exceedances were recorded.
- Nathan Enterprise continued the installation and grouting of chain link fence posts and steel fences along Bay Street and Lorraine Street. Continued the installation of mesh and braces for the backstop at Ball Field 5. Continued the installation of mesh for chain link fences and backstop at Ball Field 5 and 8. Applied second coat of paint to steel fences along Bay Street and Lorraine Street. Began the installation of mesh on the backstop at Ball Field 6. Began the installation of Chain Link Fence and mesh along Hicks Street. Began the installation of Single Gates along Lorraine Street and Double Gates along Bay Street.



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Reporting Period: July 2021

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- On 7/28/2021, Mainstream Electric disconnected the security booth power.
- On 7/28/2021, CM Testing conducted compaction testing on the borrowed fill. All locations were above 95%.
- On 7/28/2021, Techtonic Surveyors conducted Land Survey on the borrowed fill.
- Installed demarcation layer, backfilled with borrowed fill, and compacted soil along Henry Street and Lorraine Street.
- Filled drainage with broken stone to match subgrade level.
- Installed geotextile and GeoGrid at Hicks Street south dugout area, Bay Street, and Henry Street.
- Borrowed fill, single and double gates, and broken stones were delivered on-site.

EPA Communications and/or Requests – July 2021

- On 7/6/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS and TRC.
- On 7/12/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 7/19/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM and TRC.
- On 7/20/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 7/26/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – July 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – July 2021

- No additional laboratory analytical data received.

Upcoming Activities – August 2021

- Nathan Enterprise to continue the installation of chain link fence posts, steel fences, and backstop.
- Contractor to continue installing geotextile, geogrid and broken stone.
- Contractor to continue backfilling and compacting soil.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – August 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 62 Reporting Period: August 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 62 – August 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: October 20, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 62 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2021

- Nathan Enterprise continued the installation of steel fences along Henry Street and Hicks Street and backstop at Ballfield 6.
- On 8/19/2021, CM Testing conducted compaction testing on the porous aggregate.
- On 8/26/2021, ConEd and Mainstream Electric completed the upgrade to Phase 3.
- Continued the installation of demarcation layer, backfill with borrowed fill, and compacting porous aggregate.
- Installed slotted drain panels and perforated poly corrugated pipe.
- Continued the installation of geotextile and GeoGrid.



- Porous aggregate and steel fences were delivered on-site.

EPA Communications and/or Requests – August 2021

- On 8/2/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 8/9/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 8/16/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 8/23/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 8/30/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 8/31/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – August 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – August 2021

- No additional laboratory analytical data received.

Upcoming Activities – September 2021

- Nathan Enterprise to continue the installation of steel fences and backstop.
- Contractor to continue the installation of geotextile and geogrid.
- Contractor to continue backfilling and compacting porous aggregate.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – September 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 63 **Reporting Period: September 2021**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 63 – September 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: October 20, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 63 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2021

- Continued the installation of concrete placement and forms for curbs, pavements, bases, and pipe connections.
- Continued the installation of demarcation layer, backfill with borrowed fill, and compacting porous aggregate.
- Continued installing slotted drain panels and perforated poly corrugated pipes.
- Installed construction fences along Henry Street to prepare for removal of pavements.
- Installed steel bar reinforcement for entrance at Hicks Street.
- Broken stones were delivered on-site.
- Uncontaminated concrete were disposed off-site.



Project Progress Report No. 63 Reporting Period: September 2021

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- Nathan Enterprise
 - Installed 2'6" Steel Fences along Hicks Street and 4' Steel Fences on ramps along Henry Street.
 - Began installing the backstop at Ballfield 7.
- Vitello
 - Completed work on Connection 3 for ductile iron sewer at Hicks Street.
 - Installed 10" diameter pipe at Site Connection 3.
- HERA
 - Installed and inspected the grading of shock pads.
 - Installed dugouts along Hicks Street, Bay Street, Henry Street, and Lorraine Street.
- On 9/22/2021, DEP conducted an inspection and approved Site Connection 3.
- On 9/10/2021, CM Testing conducted compaction testing of porous aggregate. All tests passed.
- On 9/10/2021, Tectonic Surveyors performed a land survey.

EPA Communications and/or Requests – September 2021

- On 9/13/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 9/20/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 9/27/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – September 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – September 2021

- No additional laboratory analytical data received.

Upcoming Activities – November 2021

- Nathan Enterprise to continue the installation of steel fences and backstop.
- Contractor to continue backfilling and compacting porous aggregate.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – November 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 64 **Reporting Period: October 2021**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 64 – October 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 21, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 64 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2021

- Installed and removed construction fence along Bay and Hicks Street.
- Poured for concrete pavement along Bay Street and Hicks Street corner.
- Continued excavating pavement (curb removal) at Lorraine Street.
- Storage, handling, transport, and disposal of uncontaminated concrete.
- Installed demarcation below steel faced curb along Bay and Hicks Street.
- Cut the pavement for steel faced curb installation along Bay and Henry Street.
- Concrete pour for steel faced concrete curb along Bay and Hicks Street.



- Nathan Enterprise
 - Began grouting the 2'6" fence long Bay and Hicks Street.
 - Continued to secure the mesh of 8' chain link fence.
 - Completed backstop.
- HERA
 - Installed and inspected the grading of shock pads.

EPA Communications and/or Requests – October 2021

- On 10/4/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 10/18/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 10/25/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 10/26/2021, EPA attended a Progress Meeting with DPR, AECOM, and the Contractor.

Problems Encountered and Resolutions – October 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – October 2021

- No additional laboratory analytical data received.

Upcoming Activities – November 2021

- Nathan Enterprise to continue the installation of steel fences and backstop.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – November 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 65
Reporting Period: November 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 65 – November 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 21, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 65 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2021

- Performed saw cutting at Lorraine Street.
- Concrete pour for pavement along Lorraine Street.
- Hand excavated for tree pits along Lorraine Street.
- Installed demarcation layer and tree pits along Lorraine Street.
- Continued caulking the pavement at Lorraine, Bay, Hicks, and Henry Street and dugouts.
- Continued to address the honeycomb by finishing the walls at Lorraine, Henry, Bay and Hicks Street.
- Installed Type A benches along Bay, Henry, and Lorraine Street.



- Trees delivered and planted.
- JB Garden
 - Continued installing material along Henry, Hicks, Bay and Lorraine Street.
- Nathan Enterprise
 - Installed the main entrance double gate at Hicks Street.
 - Started welding gaps, painting, and grouting the 2'3" fence.
 - Started installing the fence at ramps and staircase along Bay Street.
 - Continued securing the mesh and spray painting the 8' fence.
 - Continued painting the 4' fence.
- HERA
 - Delivered and installed the turf.
 - Spread carpet infill from Phase 2.

EPA Communications and/or Requests – November 2021

- On 11/1/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 11/8/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 11/9/2021, EPA attended a Progress Meeting with DPR, AECOM, TRC, and the Contractor.
- On 11/15/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 11/22/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 11/29/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – November 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – November 2021

- No additional laboratory analytical data received.

Upcoming Activities – December 2021

- Nathan Enterprise to continue the installation of steel fences and backstop.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – December 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 66 **Reporting Period: December 2021**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 66 – December 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 66 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2021

- Continued caulking the pavement at Bay, Hicks and Henry Street and dugouts.
- Started painting the Steel faced curb along Lorraine Street.
- Started installing trash bins at Bay and Lorraine Street.
- Continued drilling holes for the handrail along ramps at Bay Street.
- Continued installing carpet infill.
- JB Garden
 - Continued planting along Henry and Lorraine Street.



- HERA
 - Completed installing the turf, worked on the edges and glued the turf panels.
- On 12/15/2021, the park was officially opened to the public for use. The contractor will continue to perform punch list work.

EPA Communications and/or Requests – December 2021

- On 12/6/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 12/7/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – December 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – December 2021

- No additional laboratory analytical data received.

Upcoming Activities – January 2022

- The contractor will continue to perform punch list work.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – January 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 67
Reporting Period: January 2022

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 67 – January 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Fields 5 through 8
98 Lorraine Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-116M
TRC Project No. 246184.0000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 66 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2021 in connection with the Red Hook Ball Fields 5 through 8 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2022

- The park remains open to the public.
- The contractor continued to perform punch list work.



EPA Communications and/or Requests – January 2022

- On 1/4/2022, EPA attended a Progress Meeting with DPR, AECOM, the Contractor, and TRC.
- On 1/10/2022, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 1/18/2022, EPA attended a Progress Meeting with DPR, AECOM, the Contractor, and TRC.

Problems Encountered and Resolutions – January 2022

- DPR continues to work with the contractor to expedite completion of the punch list items.

Analytical Data Received – January 2021

- No additional laboratory analytical data received.

Upcoming Activities – February 2022

- Contractor to continue punch list work.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to prepare and submit the Construction Completion Report to EPA for review and approval.

Anticipated Problems and Planned Resolutions – January 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 1 Reporting Period: October 2016

Page 1 of 2

To: Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679
Attn: Daniel Gaughan

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 1 - October 2016 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: November 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 1 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2016 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2016

- On 10/13/2016, DPR held a public scope meeting to present the project to the public and solicit feedback.
- Conceptual Design and Cost Estimate
 - TRC and ABB started preparation of the conceptual design.
- Predesign Investigation
 - TRC started preparation of the Site-Specific Health and Safety Plan (HASp), Quality Assurance Project Plan (QAPP), and Geotechnical and Subsurface Investigation Work Plan.



Project Progress Report No. 1 Reporting Period: October 2016

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Problems Encountered and Resolutions – October 2016

No problems were encountered.

Analytical Data Received – October 2016

No analytical data was received.

Upcoming Activities – November 2016

- TRC to issue HASP, QAPP and Geotechnical and Subsurface Work Plan to DPR for review in November 2016.
- TRC and ABB to continue preparation of Conceptual Design.

Anticipated Problems and Planned Resolutions – November 2016

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 2 Reporting Period: November 2016

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 2 - November 2016 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: December 15, 2016

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 2 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2016 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Order on Consent dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2016

- On 11/15/2016, DPR issued the Monthly Progress Report No. 1 for October 2016 to EPA.
- On 11/18/2016, TRC, ABB, DPR conducted a Site walk to discuss existing Site conditions.
- On 11/21/2016, DPR provided a revised Tree Inventory to TRC.
- On 11/29/2016, TRC submitted a draft utility request letter to DPR. DPR returned the utility request letter on 11/30/2016.
- Conceptual Design and Cost Estimate
 - TRC and ABB started preparation of the conceptual design.



Project Progress Report No. 2

Reporting Period: November 2016

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- **Predesign Investigation**
 - On 11/22/2016, TRC submitted the Draft Site-Specific Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), and Geotechnical and Subsurface Investigation Work Plan to DPR.
 - On 11/22/2016, DPR submitted the Draft HASP, QAPP, and Geotechnical and Subsurface Investigation Work Plan to EPA.
 - On 11/28/2016, DPR notified EPA of the start of the on-site survey activities on 11/30/2016.
 - On 11/30/2016, TRC's surveyor subcontractor (Munoz) started the topographic survey.

Problems Encountered and Resolutions – November 2016

No problems were encountered.

Analytical Data Received – November 2016

No analytical data was received.

Upcoming Activities – December 2016

- TRC and ABB to continue preparation of Conceptual Design.
- TRC to continue preparation of the Project Management Plan.
- Performance of drain line video inspection of the existing drain lines.
- Performance of the Geotechnical and Subsurface Investigation activities.

Anticipated Problems and Planned Resolutions – December 2016

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 3 Reporting Period: December 2016

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 3 - December 2016 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Removal Order Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 13, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Removal Order) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 3 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2016 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Removal Order dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2016

- On 12/15/2016, DPR issued the Monthly Progress Report No. 2 for November 2016 to EPA.
- Conceptual Design and Cost Estimate
 - TRC and ABB started preparation of the conceptual design.



Project Progress Report No. 3

Reporting Period: December 2016

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- **Predesign Investigation**
 - On 12/1/2016, TRC received comments from the EPA on the Draft Site-Specific Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), and Geotechnical and Subsurface Investigation Work Plan.
 - On 12/6/2016, TRC submitted the revised HASP, QAPP and Geotechnical and Subsurface Investigation Work Plan to DPR.
 - On 12/7/2016, DPR submitted the revised HASP, QAPP and Geotechnical and Subsurface Investigation Work Plan to EPA.
 - On 12/15/2016, EPA approved the HASP, QAPP and Geotechnical and Subsurface Investigation Work Plan.
 - The drain line video inspection of the existing system was performed from 12/6/2016 through 12/9/2016.
 - On 12/19/2016, TRC and TRC's geotechnical engineer and drilling subcontractors started the Geotechnical and Subsurface Investigation.
 - On 12/30/2016, TRC and TRC's geotechnical engineer and drilling subcontractors completed the Geotechnical and Subsurface Investigation.
 - On 12/20/2016, TRC completed a survey of the retaining wall.
 - On 12/23/2016, TRC's surveyor subcontractor (Munoz) completed the topographic survey.

Problems Encountered and Resolutions – December 2016

No problems were encountered.

Analytical Data Received – December 2016

No analytical data was received.

Upcoming Activities – January 2017

- TRC and ABB to present Conceptual Design to DPR.
- TRC to submit Drain Line Video Inspection Report to DPR.
- TRC to submit Infiltration, Soil, and Groundwater Testing Report to DPR.
- TRC to submit Retaining Wall Survey Report to DPR.
- TRC to submit the Draft Project Management Plan to DPR.

Anticipated Problems and Planned Resolutions – January 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 4 Reporting Period: January 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 4 - January 2017 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 4 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2017

- Conceptual Design and Cost Estimate
 - On 1/27/2017, TRC and ABB presented the preliminary conceptual design options to DPR.
 - TRC and ABB are preparing cost estimates associated with the conceptual design options.
- Predesign Investigation
 - On 1/4/2017, TRC received the draft Drain Line Video Inspection Report.
 - On 1/6/2017, TRC received the draft Topographic Survey.
 - On 1/24/2017, TRC submitted the draft Project Management Plan to DPR.



Project Progress Report No. 4 Reporting Period: January 2017

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- On 1/24/2017, DPR submitted the draft Project Management Plan to EPA.
- On 1/27/2017, TRC's MEP subcontractor conducted a visual inspection of the sports lighting electrical cabinet for Ball Field 9.
- On 1/13/2017, DPR issued the Monthly Progress Report No. 3 for December 2016 to EPA.

Problems Encountered and Resolutions – January 2017

No problems were encountered.

Analytical Data Received – January 2017

TRC received the results of the soil and groundwater sampling performed during the infiltration and geotechnical investigation. The analytical data will be reported in the Infiltration, Soil and Groundwater Testing Report.

Upcoming Activities – February 2017

- TRC and ABB to submit Conceptual Design cost estimates to DPR.
- TRC to submit Drain Line Video Inspection Report to DPR.
- TRC to submit Infiltration, Soil, and Groundwater Testing Report to DPR.
- TRC to submit Retaining Wall Survey Report to DPR.

Anticipated Problems and Planned Resolutions – February 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 5 **Reporting Period: February 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 5 - February 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: March 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 5 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2017

- TRC and ABB continued preparation of conceptual design Engineers Estimates.
- On 2/14/2017, EPA provided DPR with comments to the Project Management Plan and TRC submitted the Geotechnical Engineering Report to DPR.
- On 2/15/2017, DPR submitted the final Project Management Plan and Monthly Progress Report No. 4 for January 2017 to EPA.

Problems Encountered and Resolutions – February 2017

No problems were encountered.



Project Progress Report No. 5 Reporting Period: February 2017

Page 2 of 2

Analytical Data Received – February 2017

TRC received the results of additional grain size analysis performed during the infiltration and geotechnical investigation. The analytical data will be reported in the Infiltration, Soil and Groundwater Testing Report.

Upcoming Activities – March 2017

- TRC and ABB to submit Conceptual Design cost estimates to DPR.
- TRC to submit Infiltration, Soil, and Groundwater Testing Report to DPR.
- TRC to submit final Topographic Survey to DPR.
- TRC to submit Drain Line Video Inspection Report to DPR.

Anticipated Problems and Planned Resolutions – March 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 6 Reporting Period: March 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 6 - March 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 13, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 6 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2017

- On 3/6/2017, TRC submitted draft limited Geotechnical, Soil, and Groundwater Sampling Report for Ball Field 9 to DPR.
- On 3/7/2017, TRC submitted the Drain Line Video inspection to DPR.
- On 3/10/2017, DPR provided comments to the draft Conceptual Design to TRC.
- On 3/14/2017, TRC submitted a draft conceptual cost estimate to DPR.
- On 3/15/2017, DPR issued Monthly Progress Report No. 5 – February 2017 to EPA.
- On 3/29/2017, TRC issued a root pruning bid package to contractors, bid responses are due on 4/14/2017.



Project Progress Report No. 6 Reporting Period: March 2017

Page 2 of 2

Problems Encountered and Resolutions – March 2017

No problems were encountered.

Analytical Data Received – March 2017

No laboratory analytical data received.

Upcoming Activities – April 2017

- TRC and ABB to submit revised Conceptual Design to DPR.
- TRC to submit revised Topographic Survey to DPR.

Anticipated Problems and Planned Resolutions – April 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 7 Reporting Period: April 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 7 - April 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: May 12, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 7 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2017

- On 4/20/2017, DPR provided TRC with additional tree inventory information.
- On 4/25/2017, TRC submitted the revised Conceptual Design presentation to DPR.
- On 4/27/2017, DPR provided comments to the revised Conceptual Design presentation and requested TRC move forward with preparation of Schematic Design presentation.

Problems Encountered and Resolutions – April 2017

No problems were encountered.



Project Progress Report No. 7 Reporting Period: April 2017

Page 2 of 2

Analytical Data Received – April 2017

No laboratory analytical data received.

Upcoming Activities – May 2017

- TRC to submit Root Pruning proposal to DPR.
- TRC to present option of performing Asphalt Coring to evaluate existing asphalt walking paths to DPR.
- TRC and ABB to submit Schematic Design presentation and Cost Estimate to DPR.
- TRC to submit revised Topographic Survey to DPR.
- DPR is planning a community update meeting tentatively scheduled for early June, 2017, in response to a request by the council member of District 38.

Anticipated Problems and Planned Resolutions – May 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 8 Reporting Period: May 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 8 - May 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: June 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 8 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2017

- On 5/1/2017, TRC submitted responses to DPR's comments to the revised Conceptual Design presentation.
- On 5/2/2017, TRC and ABB met with DPR to discuss Conceptual Design presentation.
- On 5/4/2017, TRC submitted Root Pruning proposal to DPR.
- On 5/9/2017, TRC submitted draft Schematic Design presentation to DPR.
- On 5/10/2017, DPR provided comments to Schematic Design to TRC.
- On 5/12/2017, DPR submitted Progress Report No. 7 – April 2017 to EPA.
- On 5/15/2017 and 5/16/2017, TRC submitted revised Schematic Design presentation to DPR.



Project Progress Report No. 8 Reporting Period: May 2017

Page 2 of 2

- On 5/22/2017, DPR provided comments to the Schematic Design presentation.
- On 5/24/2017, TRC submitted draft Topographic Survey to DPR.
- On 5/25/2017, TRC submitted revised Schematic Presentation to DPR.
- On 5/26/2017, DPR held “In-House” review and provided preliminary comments to the Schematic Design.

Problems Encountered and Resolutions – May 2017

No problems were encountered.

Analytical Data Received – May 2017

No laboratory analytical data received.

Upcoming Activities – June 2017

- TRC to present option of performing Asphalt Coring to evaluate existing asphalt walking paths to DPR.
- TRC and ABB to submit revised Schematic Design presentation and Cost Estimate to DPR.
- A community update meeting scheduled for June 13, 2017, in response to a request by the council member of District 38.

Anticipated Problems and Planned Resolutions – June 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 9 Reporting Period: June 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 9 - June 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 11, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 9 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2017

- On 6/1/2017, TRC submitted draft retaining wall assessment report to DPR.
- On 6/13/2017, TRC, DPR, ABB, and EPA attended public update meeting in Red Hook.
- On 6/14/2017, DPR held the Commissioner review of the Schematic Presentation.
- On 6/12/2017, DPR instructed TRC that full depth replacement of asphalt walkways is required.
- On 6/16/2017, DPR submitted Progress Report No. 8 – May 2017 to EPA.
- On 6/16/2017, TRC received comments to the Schematic Design Presentation from DPR.
- On 6/21/2017, TRC, ABB, and DPR attended Community Board 6 Committee Meeting to present the Schematic Design.



Project Progress Report No. 9 Reporting Period: June 2017

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- On 6/23/2017, TRC and ABB submitted Preliminary Design Presentation to PDC.

Problems Encountered and Resolutions – June 2017

No problems were encountered.

Analytical Data Received – June 2017

No laboratory analytical data received.

Upcoming Activities – July 2017

- TRC and ABB to submit revised Schematic Cost Estimate to DPR.
- Community Board 6 to approve Schematic Design Submission.
- PDC to approve Preliminary Submission.
- TRC and ABB to prepare Preliminary (50%) contract drawings.

Anticipated Problems and Planned Resolutions – July 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 10

Reporting Period: July 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 10 - July 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 14, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 10 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2017

- On 7/6/2017, PDC provided comments to DPR and requested a response by noon on 7/10/2017.
- On 7/7/2017, TRC submitted revised slides, materials list, and responses to PDC comments to DPR.
- On 7/10/2017, DPR submitted revised slides, materials list and responses to PDC.
- On 7/11/2017, DPR indicated CB6 approved the Schematic Design and that the approval letter will be provided.
- On 7/12/2017, DPR provided the PDC 7/17/2017 consent meeting agenda which indicated the Preliminary Submission was approved.
- On 7/17/2017, DPR submitted Progress Report No. 9 – June 2017 to EPA.



Project Progress Report No. 10

Reporting Period: July 2017

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Problems Encountered and Resolutions – July 2017

No problems were encountered.

Analytical Data Received – July 2017

No laboratory analytical data received.

Upcoming Activities – August 2017

- TRC and ABB to submit Schematic Cost Estimate to DPR.
- TRC and ABB to receive DPR comments to the Preliminary (50%) contract drawings.
- TRC and ABB to submit revised Preliminary (50%) contract drawings for DPR review.
- TRC to prepare and submit the Interim Design Plan for Ball Field 9 to DPR for review and approval.

Anticipated Problems and Planned Resolutions – August 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 11 Reporting Period: August 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 11 - August 2017 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 12, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 11 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2017

- On 8/11/2017, TRC submitted the Preliminary 50% Contract Drawings and Specifications List to DPR.
- On 8/15/2017, DPR submitted Progress Report No. 10 – July 2017 to EPA.
- On 8/16/2017, TRC submitted Schematic Engineers Estimate to DPR for review.
- On 8/25/2017, DPR provided TRC with comments to the Preliminary 50% Contract Drawings.
- On 8/30/2017, TRC submitted draft Interim Design Plan to DPR for review.



Project Progress Report No. 11 Reporting Period: August 2017

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Problems Encountered and Resolutions August 2017

No problems were encountered.

Analytical Data Received – August 2017

No laboratory analytical data received.

Upcoming Activities – September 2017

- TRC to submit Preliminary 50% Engineers Estimate to DPR.
- TRC to prepare and submit the revised Interim Design Plan for Ball Field 9 to DPR for review and approval.
- DPR to submit Interim Design Plan to EPA.

Anticipated Problems and Planned Resolutions – September 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 12 **Reporting Period: September 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 12 - September 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 28, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 12 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2017

- On 9/12/2017, DPR submitted Progress Report No. 11 – August 2017 to EPA.
- On 9/13/2017, TRC submitted responses to DPR comments to the 50% Contract Drawings to DPR.
- On 9/21/2017, DPR submitted the Interim Design Plan to EPA.
- On 9/27/2017, DPR Forestry and ABB met on-site to conduct a supplemental evaluation of on-site Trees.



Project Progress Report No. 12 Reporting Period: September 2017

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Problems Encountered and Resolutions – September 2017

No problems were encountered.

Analytical Data Received – September 2017

No laboratory analytical data received.

Upcoming Activities – October 2017

- TRC to submit Preliminary 50% Engineers Estimate to DPR.
- TRC to submit 80% Contract Drawings and Specifications to DPR.
- DPR to receive EPA comments to the Interim Design Plan.

Anticipated Problems and Planned Resolutions – October 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 13 Reporting Period: October 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 13 - October 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: November 16, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 13 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2017

- On 9/28/2017, DPR submitted Progress Report No. 12 – September 2017 to EPA.
- On 10/2/2017, TRC and TRC's stormwater engineer attended a meeting with DEP and confirmed that no DEP application is required for Ball Field 9 and Soccer Field 2.
- On 10/17/2017, TRC submitted draft 80% Contract Drawings to DPR for review.
- On 10/20/2017, DPR provided revised Tree Inventory to TRC.
- On 10/26/2017, TRC submitted draft 50% Engineers Estimate and Takeoffs to DPR.
- On 10/30/2017, ABB provided comments to DPR in connection with the Tree Inventory.
- On 10/31/2017, EPA issued language for a sign to be posted at Ball Field 9 by DPR.



Project Progress Report No. 13 Reporting Period: October 2017

Page 2 of 2

Problems Encountered and Resolutions – October 2017

No problems were encountered.

Analytical Data Received – October 2017

No laboratory analytical data received.

Upcoming Activities – November 2017

- TRC to submit revised 80% Contract Drawings, Engineers Estimate, and Takeoffs to DPR.
- DPR to receive EPA comments to the Interim Design Plan.
- TRC to submit revised Interim Design Plan to DPR.

Anticipated Problems and Planned Resolutions – November 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 14 Reporting Period: November 2017

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 14 - November 2017 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: December 15, 2017

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 14 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2017

- On 11/9/2017, TRC received a revised SWPPP from PDE, TRC's stormwater engineer.
- On 11/16/2017, DPR submitted Progress Report No. 13 – October 2017 to EPA.
- On 11/20/2017, EPA provided comments on the Interim Design Plan. DPR addressed EPA's comments and submitted a response to EPA, EPA subsequently approved the Interim Design Plan and requested a complete .pdf version.
- On 11/13/2017, TRC submitted revised 80% Contract Drawings, Engineers Estimate, and Takeoffs to DPR.
- On 11/27/2017, TRC submitted final Interim Design Plan to DPR and EPA.



Project Progress Report No. 14 Reporting Period: November 2017

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- On 11/28/2017, TRC submitted revised 80% Engineers Estimate to DPR.

Problems Encountered and Resolutions – November 2017

No problems were encountered.

Analytical Data Received – November 2017

No laboratory analytical data received.

Upcoming Activities – December 2017

- TRC to receive DPR comments to the 80% Contract Drawings, Engineers Estimate, and Takeoffs.

Anticipated Problems and Planned Resolutions – December 2017

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 15 **Reporting Period: December 2017**

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 15 - December 2017 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 17, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 15 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2017 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2017

- On 12/15/2017, DPR submitted Progress Report No. 14 – November 2017 to EPA.
- DPR continued review of 80% Contract Drawings, Engineers Estimate, and Specifications.

Problems Encountered and Resolutions – December 2017

No problems were encountered.

Analytical Data Received – December 2017

No laboratory analytical data received.



Project Progress Report No. 15
Reporting Period: December 2017

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Upcoming Activities – January 2018

- TRC to receive DPR comments to the 80% Contract Drawings, Engineers Estimate, and Takeoffs.

Anticipated Problems and Planned Resolutions – January 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 16 Reporting Period: January 2018

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 16 - January 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 9, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 16 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2018 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2018

- On 1/8/2018, DPR provided comments to the 80% Contract Drawings and EE to TRC.
- On 1/17/2018, DPR submitted Progress Report No. 15 – December 2017 to EPA.
- On 1/18/2018, EPA requested DPR include the status of the proposed signage for Ball Field 9 in the monthly progress report.
- On 1/19/2018, DPR responded to EPA indicating they are working to resolve the issue with the Ball Field 9 signage.
- On 1/22/2018, TRC and ABB submitted the final submission to the public design commission (PDC) for review.



Project Progress Report No. 16 Reporting Period: January 2018

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- On 1/24/2018, TRC submitted the Backflow Prevention application to DPR for review and signature.
- On 1/29/2018, DPR submitted revised language for the Ball Field 9 sign to EPA for review.

Problems Encountered and Resolutions – January 2018

No problems were encountered.

Analytical Data Received – January 2018

No laboratory analytical data received.

Upcoming Activities – February 2018

- TRC to receive DPR comments to the 80% specifications.
- TRC will prepare and submit the 100% contract drawings, engineers estimate and specifications to DPR for review.

Anticipated Problems and Planned Resolutions – February 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 17 Reporting Period: February 2018

Page 1 of 2

To: Margaret Gregor and Daniel Gaughan
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 17 - February 2018 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: March 15, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 17 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2018 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2018

- On 2/6/2018, DPR provided the PDC committee agenda which included Ball Field 9 as approved.
- On 2/8/2018, DPR provided comments to the backflow prevention submission.
- On 2/12/2018, DPR submitted Progress Report No. 16 – January 2018 to EPA. In addition, DPR requested pricing for painting the existing sports lighting poles.
- On 2/16/2018, DPR provided the PDC approval letter dated 2/12/2018 certificate No. 26489 for Ball Field 9.
- On 2/26/2018, DPR communicated with the FDNY in connection with relocation of the Fire Hydrant adjacent to and south of Ball Field 9. TRC to prepare FDNY plan review submission for DPR review.



Project Progress Report No. 17

Reporting Period: February 2018

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- On 2/28/2018, DPR indicated painting of the existing sports lighting poles should be included in the base contract.

Problems Encountered and Resolutions – February 2018

No problems were encountered.

Analytical Data Received – February 2018

No laboratory analytical data received.

Upcoming Activities – March 2018

- TRC will submit the 100% contract drawings, engineers estimate and specifications to DPR for review.
- DPR to receive comments from EPA on the proposed signage for Ball Field 9.
- TRC will submit revised backflow prevention submission for review and signature.
- TRC to prepare draft FDNY and NYCDEP hydrant relocation plan review submittals for DPR review.
- TRC preparing the Design and Implementation Plan.

Anticipated Problems and Planned Resolutions – March 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 18 Reporting Period: March 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 18 - March 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 16, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 18 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2018 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2018

- On 3/6/2018, TRC submitted revised RPZ Application to DPR.
- On 3/7/2018, TRC submitted preliminary 100% Engineers Estimate to DPR for estimating purposes. TRC will submit a final 100% Engineers Estimate to DPR.
- On 3/9/2018, EPA approved the signage to be installed at Ball Field 9.
- On 3/15/2018, DPR submitted Progress Report No. 17 – February 2018 to EPA. In addition, TRC received the signed RPZ Application from DPR.
- On 3/19/2018, TRC submitted 100% Contract Drawings to DPR for review. In addition, EPA notified DPR that moving forward Ms. Jennifer LaPoma will be taking over as the On-Scene Coordinator.



Project Progress Report No. 18 Reporting Period: March 2018

Page 2 of 2

- On 3/29/2018, DVL filed the RPZ Application.

Problems Encountered and Resolutions – March 2018

No problems were encountered.

Analytical Data Received – March 2018

No laboratory analytical data received.

Upcoming Activities – April 2018

- TRC to submit the 100% Engineers Estimate to DPR for review.
- TRC to prepare draft FDNY and NYCDEP hydrant relocation plan review submittals for DPR review.
- TRC to receive comments from DPR to the Design and Implementation Plan.
- DPR to submit Design and Implementation Plan to EPA.
- DPR to install signage on Ball Field 9.
- DPR will host a Community Update Meeting at 6:00 pm on Monday, April 30, 2018.

Anticipated Problems and Planned Resolutions – April 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 19 **Reporting Period: April 2018**

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 19 - April 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: May 15, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 19 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2018 in connection with the Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2018

- On 4/11/2018, TRC submitted 100% Specifications to DPR for review.
- On 4/12/2018, TRC submitted revised 100% set of Contract Drawings to DPR for review.
- On 4/23/2018, TRC's plumbing engineer also received comments from the NYC Department of Environmental Protection to the backflow prevention device application.



Project Progress Report No. 19 Reporting Period: April 2018

Page 2 of 2

EPA Communications and/or Requests – April 2018

- On 4/16/2018, DPR submitted Progress Report No. 18 for March 2018 to EPA.
- On 4/23/2018, DPR submitted the Design and Implementation Plan to EPA for review and approval.
- On 4/27/2018, EPA contacted DPR to ask if the signage was posted on Ball Field 9. DPR responded confirming the sign was installed.

Problems Encountered and Resolutions – April 2018

No problems were encountered.

Analytical Data Received – April 2018

No laboratory analytical data received.

Upcoming Activities – May 2018

- TRC to submit the 100% Engineers Estimate to DPR for review.
- TRC to prepare draft FDNY and NYC DEP hydrant relocation plan review submittals for DPR review.
- DPR to issue comments to the 100% Contract Drawings, Specifications, and Engineers Estimate.
- EPA to approve the Design and Implementation Plan.

Anticipated Problems and Planned Resolutions – May 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 20 **Reporting Period: May 2018**

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 20 - May 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: June 19, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 20 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2018

- On 5/11/2018, TRC submitted the 100% Engineers Estimate to DPR.
- On 5/22/2018, DPR provided TRC with comments to the 100% Contract Drawings.
- On 5/24/2018, DPR provided TRC with hard copy comments to the 100% Contract Drawings.
- On 5/25/2018, DPR provided TRC with two (2) original signed copies of the Backflow Prevention Application.
- On 5/29/2018, DPR provided TRC with comments to the 100% electrical and water supply contract drawings.



Project Progress Report No. 20 Reporting Period: May 2018

Page 2 of 2

EPA Communications and/or Requests – May 2018

- On 5/10/2018, EPA notified DPR the Design and Implementation Plan was approved.
- On 5/15/2018, DPR submitted Progress Report No. 19 for April 2018 to EPA.

Problems Encountered and Resolutions – May 2018

No problems were encountered.

Analytical Data Received – May 2018

No laboratory analytical data received.

Upcoming Activities – June 2018

- TRC to submit the Final Contract Drawings, Specification and Engineers Estimate to DPR.
- TRC to submit NYC DEP hydrant relocation plan review submittals.
- DPR to issue comments to the Final Contract Drawings, Specifications, and Engineers Estimate.

Anticipated Problems and Planned Resolutions – June 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 21 Reporting Period: June 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 21 - June 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 17, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 21 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2018

- On 6/6/2018, TRC's electrical engineer submitted the DOT lighting plan to DOT for review.
- On 6/11/2018, TRC submitted the draft of the final Engineers Estimate to DPR for review.
- On 6/12/2018, TRC's landscape architect submitted the hydrant relocation application to the NYC DEP.
- On 6/18/2018, TRC submitted the draft of the final Contract Drawings to DPR for review.
- On 6/20/2018, TRC submitted the draft of the final Stormwater Pollution Prevention Plan (SWPPP) to DPR for review. DPR provided comments on the SWPPP to TRC.



Project Progress Report No. 21 Reporting Period: June 2018

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- On 6/28/2018, TRC submitted Final Contract Drawings, specifications, engineers estimate, and permits and approvals to DPR.
- On 6/29/2018, TRC submitted the revised final SWPPP to DPR.

EPA Communications and/or Requests – June 2018

- On 6/19/2018, DPR submitted Progress Report No. 20 for May 2018 to EPA.

Problems Encountered and Resolutions – June 2018

No problems were encountered.

Analytical Data Received – June 2018

No laboratory analytical data received.

Upcoming Activities – July 2018

- DPR to proceed with preparation of the bid document for construction of Ball Field 9 and Soccer Field 2.

Anticipated Problems and Planned Resolutions – June 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 22

Reporting Period: July 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 22 - July 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 13, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 22 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2018

- On 7/10/2018, TRC's electrical engineer filed the revised DOT lighting plan.
- On 7/11/2018, TRC's plumbing engineer filed the revised backflow prevention application with the DEP.

EPA Communications and/or Requests – July 2018

- On 7/18/2018, DPR submitted Progress Report No. 21 for June 2018 to EPA.



Project Progress Report No. 22

Reporting Period: July 2018

Page 2 of 2

Problems Encountered and Resolutions – July 2018

No problems were encountered.

Analytical Data Received – July 2018

No laboratory analytical data received.

Upcoming Activities – August 2018

- DPR to proceed with preparation of the bid document for construction of Ball Field 9 and Soccer Field 2.

Anticipated Problems and Planned Resolutions – August 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 23

Reporting Period: August 2018

Page 1 of 2

To: Jennifer LaPoma and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 23 - August 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 23 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2018

- On 8/14/2018, TRC submitted the approved Backflow Prevention Application to DPR.
- On 8/24/2018, TRC provided DOB application to TRC's expeditor to begin filing the open space permit.

EPA Communications and/or Requests – August 2018

- On 8/15/2018, DPR submitted Progress Report No. 22 for July 2018 to EPA.



Project Progress Report No. 23 Reporting Period: August 2018

Page 2 of 2

Problems Encountered and Resolutions – August 2018

No problems were encountered.

Analytical Data Received – August 2018

No laboratory analytical data received.

Upcoming Activities – September 2018

- DPR to proceed with preparation of the bid document for construction of Ball Field 9 and Soccer Field 2.

Anticipated Problems and Planned Resolutions – September 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 24

Reporting Period: September 2018

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 24 - September 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: October 8, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 24 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2018

- On 9/6/2018, DPR provided comments to TRC from City Law on the specifications.
- On 9/14/2018, TRC provided revised specifications to DPR.
- On 9/19/2018, TRC provided revised Environmental Notes drawing and Site Security Lighting Plan drawing to DPR.

EPA Communications and/or Requests – September 2018

- On 9/17/2018, DPR submitted Progress Report No. 23 for August 2018 to EPA.



Project Progress Report No. 24
Reporting Period: September 2018

Page 2 of 2

Problems Encountered and Resolutions – September 2018

No problems were encountered.

Analytical Data Received – September 2018

No laboratory analytical data received.

Upcoming Activities – October 2018

- The contract for Ball Field 9 and Soccer Field 2 will be available for pick up by potential bidders on 10/17/2018.
- DPR to hold a pre-bid meeting on 10/30/2018.
- Bid responses are due to DPR on 11/8/2018.

Anticipated Problems and Planned Resolutions – October 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 25 Reporting Period: October 2018

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 25 - October 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: November 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 25 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2018

- On 10/24/2018, the DOB topographical unit accepted the application for the listing of Block 617 Lot 1 in BIS.
- On 10/25/2018, TRC submitted final signed and sealed SWPPP and the draft NOI to DPR for review.
- On 10/30/2018, DPR held the pre-bid meeting for prospective contractors.



Project Progress Report No. 25 Reporting Period: October 2018

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EPA Communications and/or Requests – October 2018

- On 10/9/2018, DPR submitted Progress Report No. 24 for September 2018 to EPA.

Problems Encountered and Resolutions – October 2018

No problems were encountered.

Analytical Data Received – October 2018

No laboratory analytical data received.

Upcoming Activities – November 2018

- Respond to bidder RFIs.
- Continue preparation of permits.

Anticipated Problems and Planned Resolutions – November 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 26 **Reporting Period: November 2018**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 26 - November 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: December 14, 2018

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 26 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2018

- On 11/1/2018, DPR indicated they had no comments on the SWPPP Notice of Intent and the Notice of Intent was filed electronically by the stormwater engineer. In addition, the permit expeditor filed the submission with DOB to obtain an address for Block 617 Lot 1.
- On 11/9/2018, DPR issued bid Addendum No. 1 to the prospective bidders.



Project Progress Report No. 26 Reporting Period: November 2018

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EPA Communications and/or Requests – November 2018

No communications occurred.

Problems Encountered and Resolutions – November 2018

No problems were encountered.

Analytical Data Received – November 2018

No laboratory analytical data received.

Upcoming Activities – December 2018

- Opening of contractor bids and continuation of the procurement process.
- Continue preparation of permits.

Anticipated Problems and Planned Resolutions – December 2018

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 27 **Reporting Period: December 2018**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 27 - December 2018 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 15, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 27 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2018 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2018

- On 12/3/2018, TRC's permit expeditor indicated that Block 617 Lot 1 has been mapped, received an address, and is now listed in the NYCDOB system.
- On 12/6/2018, DPR received the bids for the Remediation and Reconstruction of Ball Field 9.
- On 12/6/2018, TRC provided the TR-1 forms for special inspections to DPR.
- On 12/14/2018, TRC provided an estimate of the special inspection hours to DPR.



Project Progress Report No. 27 Reporting Period: December 2018

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EPA Communications and/or Requests – December 2018

- On 12/18/2018, DPR issued Monthly Progress Report Nos. 25 and 26 to for October and November 2018 to EPA.

Problems Encountered and Resolutions – December 2018

No problems were encountered.

Analytical Data Received – December 2018

No laboratory analytical data received.

Upcoming Activities – January 2019

- DPR to meet with the low bidder to discuss the project.
- TRC's permit expeditor to continue preparation of permits.

Anticipated Problems and Planned Resolutions – January 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 28 Reporting Period: January 2019

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 28 - January 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 26, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 28 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2019

- On 1/11/2019, TRC provided TRC's permit expeditor with scanned mylars, and confirmed owner and construction costs.
- On 1/17/2019, DPR held a conference call with the low bidder to discuss the technical qualifications.
- On 1/18/2019, DPR provided the revised fencing diagram near the existing fire hydrant to the FDNY for final review.
- On 1/21/2019, TRC's permit expeditor requested TRC provide information necessary for the permit filing.



Project Progress Report No. 28 Reporting Period: January 2019

Page 2 of 2

EPA Communications and/or Requests – January 2019

- On 1/16/2019, DPR issued Monthly Progress Report No. 27 for December 2018 to EPA.

Problems Encountered and Resolutions – January 2019

No problems were encountered.

Analytical Data Received – January 2019

No laboratory analytical data received.

Upcoming Activities – February 2019

- DPR to meet with the low bidder to discuss the project.
- TRC's permit expeditor to continue preparation of permits.

Anticipated Problems and Planned Resolutions – February 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 29 **Reporting Period: February 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
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Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 29 - February 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: March 25, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 29 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2019

- TRC continued to work with permit expeditor to prepare the filings for the retaining wall.

EPA Communications and/or Requests – February 2019

- None

Problems Encountered and Resolutions – February 2019

No problems were encountered.



Project Progress Report No. 29 Reporting Period: February 2019

Page 2 of 2

Analytical Data Received – February 2019

No laboratory analytical data received.

Upcoming Activities – March 2019

- DPR to continue procurement of construction contractor.
- TRC's permit expeditor to continue preparation of permits.

Anticipated Problems and Planned Resolutions – March 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 30 **Reporting Period: March 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 30 - March 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 26, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 30 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2019

- On 3/15/2019, TRC received the draft permit filings from the expeditor.
- On 3/27/2019, TRC submitted the draft permit filings to DPR for review prior to submission of the signed and sealed versions.

EPA Communications and/or Requests – March 2019

- None

Problems Encountered and Resolutions – March 2019

No problems were encountered.



Analytical Data Received – March 2019

No laboratory analytical data received.

Upcoming Activities – April 2019

- DPR to continue procurement of construction contractor.
- TRC's permit expeditor to continue preparation of permits.

Anticipated Problems and Planned Resolutions – April 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 31 **Reporting Period: April 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 31 - April 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: May 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 31 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2019

- On 4/24/2019, DPR provided the Award Letter to selected construction contractor (LAWS).

EPA Communications and/or Requests – April 2019

- None

Problems Encountered and Resolutions – April 2019

No problems were encountered.



Analytical Data Received – April 2019

No laboratory analytical data received.

Upcoming Activities – May 2019

- Contractor to begin preparation of the Health and Safety Plan and Construction Plan.
- TRC's permit expeditor to file open space permit with the DOB.

Anticipated Problems and Planned Resolutions – May 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 32 **Reporting Period: May 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 32 - May 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 32 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2019

- Review and response to Contractor RFIs.
- Continued preparation and submission of documentation to the NYCDOB for the open space permit.
- Prepared metes and bounds description for the area under EPA Consent Order.
- Review of Construction Plan documents prepared by the Contractor.

EPA Communications and/or Requests – May 2019

- On 5/20/2019, DPR submitted the January, February, and March progress reports to EPA.
- On 5/23/2019, DPR submitted the April 2019 progress report to EPA.



Project Progress Report No. 32

Reporting Period: May 2019

Page 2 of 2

Problems Encountered and Resolutions – May 2019

No problems were encountered.

Analytical Data Received – May 2019

No laboratory analytical data received.

Upcoming Activities – June 2019

- Contractor to continue preparation of the Construction Plan.
- DPR to submit construction plan to EPA for review and approval.
- TRC's permit expeditor to file open space permit with the DOB.
- TRC to provide metes and bounds for area under EPA Consent Order.

Anticipated Problems and Planned Resolutions – June 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 33 **Reporting Period: June 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 33 - June 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 33 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2019

- Review and response to Contractor RFIs.
- Continued preparation and submission of documentation to the NYCDOB for the open space permit.
- Prepared metes and bounds description for the area under EPA Consent Order.
- Review of Construction Plan documents prepared by the Contractor.
- On 6/27/2019, TRC submitted the revised Metes and Bounds for the Consent Order Area to DPR.

EPA Communications and/or Requests – June 2019

- On 6/14/2019, DPR submitted the HASP to EPA for review and approval.



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Reporting Period: June 2019

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- On 6/20/2019, EPA (Greg DeAngelis) asked DPR how the HASP prepared for BF 9 and SF 2 is different from the HASP prepared for BF 5-8.
- On 6/24/2019, DPR provided the Contractors response to EPA indicating how the HASP prepared for BF 9 and SF 2 is different from the HASP prepared for BF 5-8.
- On 6/26/2019, DPR submitted the Site Security Plan, Traffic Control Plan, Equipment Decontamination Plan, and Project Schedule to EPA for review and approval.
- On 6/29/2019, DPR submitted the QA/QC Plan, Equipment Materials Staging Plan, and Waste Transport and Disposal Plan to EPA for review and approval.

Problems Encountered and Resolutions – June 2019

No problems were encountered.

Analytical Data Received – June 2019

No laboratory analytical data received.

Upcoming Activities – July 2019

- DPR to provide EPA with TRC's comments to the Construction Plan
- EPA to provide DPR with comments to the Construction Plan
- TRC's permit expeditor to file open space permit with the DOB.

Anticipated Problems and Planned Resolutions – July 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 34 Reporting Period: July 2019

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 34 - July 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 33 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2019

- Review and response to Contractor submittals and RFIs.
- The open space permit was filed with and approved by the NYCDOB.

EPA Communications and/or Requests – July 2019

- On 7/17/2019, DPR submitted TRC's comments to the Construction Plan to the EPA.

Problems Encountered and Resolutions – July 2019

No problems were encountered.



Project Progress Report No. 34
Reporting Period: July 2019

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Analytical Data Received – July 2019

No laboratory analytical data received.

Upcoming Activities – August 2019

- EPA to provide DPR with comments to the Construction Plan

Anticipated Problems and Planned Resolutions – August 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 35 **Reporting Period: August 2019**

Page 1 of 2

To: Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 35 - August 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 23, 2019

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 33 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2019

- Review and response to Contractor submittals and RFIs.

EPA Communications and/or Requests – August 2019

- On 8/22/2019, EPA provided DPR with comments to the Construction Plan.

Problems Encountered and Resolutions – August 2019

No problems were encountered.

Analytical Data Received – August 2019

No laboratory analytical data received.



Upcoming Activities – September 2019

- Contractor to revise and resubmit Construction Plan Documents to DPR for review and submission to EPA.
- Contractor to begin limited non-subsurface on-site work on September 16, 2019 (the Order to Work Date).

Anticipated Problems and Planned Resolutions – September 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 36 **Reporting Period: September 2019**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 36 - September 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 36 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2019

- On 9/9/2019, Site kickoff meeting was held by DPR, AECOM, and the contractor.
- On 9/12/2019, EPA confirmed the fence and tree protection work may begin.
- On 9/16/2019, the contractor was authorized to work (OTW).
- On 9/17/2019, bi-weekly conference call with DPR, TRC, and AECOM.
- Tectonic conducted initial land survey.
- Constructed tree guards and construction fence along Bay Street by Ballfield #9.
- Installed dust netting.
- Preparation of the Construction Plan documents.



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Reporting Period: September 2019

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EPA Communications and/or Requests – September 2019

- Installed dust netting.

Problems Encountered and Resolutions – September 2019

No problems were encountered.

Analytical Data Received – September 2019

No laboratory analytical data received.

Upcoming Activities – September 2019

- Contractor to continue constructing fences and dust netting by Ballfield #9.
- Contractor to post construction sign and required permits at project site.
- LAWS to provide 2 week look ahead work schedule.

Anticipated Problems and Planned Resolutions – September 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 37 **Reporting Period: October 2019**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 37 - October 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 37 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2019

- Continued to construct construction fence and chain link along Bay Street by Ballfield #9.
- Continued to construct tree guards near Clinton Street entrance.
- Installed construction fence and dust netting at Bay Street entrance gate and around trailer near Clinton Street entrance which was moved to be in compliance with DOT.
- Contractor cleared weeds and grub for C-Box and security guard house.
- Installed (2) construction signs by Bay Street entrance and Clinton Street entrance.
- Installed construction fence post near Henry Street Basin.
- Installed temporary electric pole for trailers.



EPA Communications and/or Requests – October 2019

- On 10/8/2019, EPA attended bi-weekly Progress Meeting with LAWS, DPR, and TRC.
- On 10/15/2019, attended bi-weekly conference call with DPR and TRC.
- On 10/29/2019, DPR, AECOM, LAWS, and TRC attended Progress Meeting.

Problems Encountered and Resolutions – October 2019

- Contractor disagrees with construction entrance interference and refuses to build a 12' wide construction entrance in order to protect tree #45. They want to remove the tree to build a 24' wide construction entrance. Currently working to have this resolved.
- Contractor disagrees with removal of tree #151 located on Bay Street due to potential sidewalk damage. Currently working to have this resolved.
- Contractor did not perform any work on the week of 10/26/2019 and 11/02/2019 (except 10/30/2019) due to construction entrance issues and HASP not being approved. AECOM communicated with LAWS that work could still be done such as constructing tree guards, fencing, and dust netting. HASP was approved on 10/29/2019.

Analytical Data Received – October 2019

No laboratory analytical data received.

Upcoming Activities – November 2019

- Contractor required to post required permits at project site.
- Contractor proceeds with removal of tree #151 and construction of 12' wide construction entrance.
- Contractor continues to form tree guards, dust netting, electrical installation for trailer.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.

Anticipated Problems and Planned Resolutions – November 2019

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 38 **Reporting Period: November 2019**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan, and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 38 - November 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 38 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2019

- Installing rebar anchors in tree guards due to damage caused by high winds.
- Complete installation of tree guards in Southwest area near Ball Field 9.
- Installed silt sacks, silt fencing, and dust netting along Bay Street, near Halleck Street, and Clinton Street.
- Installed temporary electric pole for office trailer.
- Removal of fencing and concrete footings by Ball Field 9.
- Mainstream Electric onsite for removal of pedestrian path lighting.
- AECOM and LAWS measure silt fencing, construction fencing, and dust netting.
- Removal of bleachers by Ball Field 9 near Bay Street.



EPA Communications and/or Requests – November 2019

- On 11/12/2019, EPA, DPR, AECOM, LAWS, and TRC attended the Progress Meeting.
- On 11/18/2019, EPA notified DPR that Irmgard Lopez will assume the role of On-Scene Coordinator starting November 25, 2019.
- On 11/18/2019, EPA notified DPR that EPA indicated they require the clean cover cap thickness in the sports field to be a minimum of 12-inches. EPA also indicated that on-site reuse may be used as backfill above the drainage structures.
- On 11/19/2019, DPR requested EPA's availability to discuss the thickness of the clean cover cap in the sports field area.
- On 11/19/2019, EPA asked if DPR if showering was required for on-site employees and that a HASP sign-in sheet be maintained on-site.
- On 11/21/2019, EPA, DPR, TRC had a call to discuss the thickness of the cover layer in the sports field. EPA indicated they would need something in writing if DPR intended to install less than 12-inches of clean cover.
- On 11/22/2019, EPA attended a call with DPR and EPA to discuss the cover thickness at the Site.

Problems Encountered and Resolutions – November 2019

No problems were encountered.

Analytical Data Received – November 2019

No laboratory analytical data received.

Upcoming Activities – December 2019

- Contractor required to post required permits at project site.
- Contractor to continue to form tree guards, dust netting, electrical installation, and begin tree and soil removal.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- Awaiting approval by ConEd to provide electricity.

Anticipated Problems and Planned Resolutions – December 2019

- None

Enclosure

None



Project Progress Report No. 39 Reporting Period: December 2019

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 39 - December 2019 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 20, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 39 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2019 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2019

- Removal of fencing and benches by Bay Street.
- On 12/6/2019, TRC started performing CAMP.
- Soil excavation behind concrete wall near Bay Street.
- Saw cutting, concrete curb removal, and hand excavation behind concrete wall by Bay Street.

EPA Communications and/or Requests – December 2019

- On 12/3/2019, EPA attended a Progress Meeting with the contractor, AECOM, DPR, and TRC.
- On 12/17/2019, EPA attended a Progress Meeting with the contractor, AECOM, DPR, and TRC.



Problems Encountered and Resolutions – December 2019

No problems were encountered.

Analytical Data Received – December 2019

No laboratory analytical data received.

Upcoming Activities – January 2020

- Contractor continues to remove concrete curb and begin disposal of concrete and cleanup of debris.
- Stripping and staging of topsoil to begin.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- Awaiting approval by ConEd to provide electricity.

Anticipated Problems and Planned Resolutions – January 2020

No problems are currently anticipated.

Enclosure

None



Project Progress Report No. 40 **Reporting Period: January 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 40 – January 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 17, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 40 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2020

- Continued cleaning up debris on sidewalk by Bay Street.
- Begin breaking up concrete for disposal and removal of concrete pads.
- Mainstream electric on site to remove sports lighting.
- Removal of tree stumps throughout site.
- Stripping topsoil from Ball Field 9.
- On 1/16/2020, TRC issued revised Drawings L201 and L202 to DPR. The drawings were revised to clarify the locations of the decorative fence panels.
- TRC performed CAMP.



Project Progress Report No. 40 Reporting Period: January 2020

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- On 1/24/2020, elevated dust levels were recorded at 8:20 am. No visible dust was observed at this time. The dust levels were below the action limit during the next 15-min interval.

EPA Communications and/or Requests – January 2020

- On 1/7/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 1/14/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 1/21/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 1/28/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – January 2020

- On 1/16/2020, TRC issued revised Drawings L201 and L202 to DPR. The drawings were revised to clarify the locations of the decorative fence panels.
- Project is behind the DPR construction schedule.

Analytical Data Received – January 2020

No laboratory analytical data received.

Upcoming Activities – February 2020

- Continue stripping topsoil.
- Contractor to sample topsoil for disposal.
- Contractor continues to remove concrete, concrete pads, and tree stumps.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – February 2020

No new problems are currently anticipated.

Enclosure

None



Project Progress Report No. 41 Reporting Period: February 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 41 – February 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 9, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 41 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2020

- Continued breaking down concrete footings for tables and benches near Henry Street Basin in critical root zone.
- Salvaged dedication plaque.
- Stripped and stockpiled soil in Ballfield 9 and Soccer Field 2.
- Installed tree guards on sidewalk by Bay Street.
- AES performed waste classification soil sampling of stockpiled soils.
- LAWS compacted soil in eastern and western portion of site.
- TRC performed CAMP. No visible dust, odors, or elevated concentrations of volatile organic compounds (VOCs) or particulates recorded.



Project Progress Report No. 41 Reporting Period: February 2020

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EPA Communications and/or Requests – February 2020

- On 2/4/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 2/11/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 2/18/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 2/25/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – February 2020

- None

Analytical Data Received – February 2020

No laboratory analytical data received.

Upcoming Activities – March 2020

- Contractor continues to remove concrete, concrete pads, tree stumps, and scrap metal.
- Excavation for drainage piping installation.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – March 2020

No new problems are currently anticipated.

Enclosure

None



Project Progress Report No. 42 **Reporting Period: March 2020**

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 42 – March 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 9, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 42 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2020

- JB Gardens installed tree anchors at Trees 96, 97, and 143.
- Began excavating trench for stormwater connection near Henry Street Basin.
- Installed woodchips and boards to protect tree roots near Henry Street Basin.
- Continued excavating for drainage between Ballfield 9 and Soccer Field 2.
- Installed temporary sheeting, 15" and 18" drainage pipe in the trench.
- Received broken stones, precast concrete drainage structures, and rebar at the site.
- Broke up steel bar reinforced concrete with a hoe ram.
- Power washed paint off the wall to be reconstructed, debris around the wall, and tree stumps and limbs to be removed offsite.

- Continued drilling holes for wall reconstruction along Bay Street.
- Installed precast concrete manhole to connect to drainage between Ballfield 9 and Soccer Field 2.
- TRC performed CAMP. No visible dust, odors, or elevated concentrations of volatile organic compounds (VOCs) or particulates recorded.

EPA Communications and/or Requests – March 2020

- On 3/2/2020, EPA attended a conference call to discuss the presentation for the community update meeting on 3/3/2020.
- On 3/3/2020, EPA attended the community update meeting with DPR.
- On 3/4/2020, EPA attended Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 3/10/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 3/17/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 3/24/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 3/31/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – March 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects. DPR intends to file for the project to receive essential designation so work at the Site may continue.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – March 2020

- Received soil sampling data for the stockpiled topsoil indicating it will be characterized as non-hazardous contaminated material for off-site disposal.
- No additional laboratory analytical data received.

Upcoming Activities – April 2020

- DPR to receive essential designation allowing work to continue at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When works resumes at the Site the following activities will occur.
 - Contractor to drill for rebar and wall reconstruction along Bay Street.
 - Continues to excavate for drainage between Ballfield 9 and Soccer field 2.
 - Dispose of tree stumps and limbs offsite.
 - DPR required to provide with 2 week look ahead schedules and monthly progress reports.
 - TRC to continue to perform CAMP during soil disturbance.



Anticipated Problems and Planned Resolutions – April 2020

The Site shutdown due to COVID-19 was not anticipated and will impact the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 43 Reporting Period: April 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 43 – April 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: May 11, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 43 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2020

- The Contractor visits the Site weekly to repair soil erosion controls and confirm the Site is secure.
- AECOM visits the Site weekly to inspect the Site conditions.

EPA Communications and/or Requests – April 2020

- On 4/7/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 4/14/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 4/21/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.



Problems Encountered and Resolutions – April 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – April 2020

- Analytical data was received in connection with disposal of topsoil stockpiles located on Ball Field 9. The results indicate the material is characterized as non-hazardous for disposal.
- No other laboratory analytical data was received.

Upcoming Activities – May 2020

- DPR to receive essential designation allowing work to continue at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When works resumes at the Site the following activities will occur.
 - Contractor to drill for rebar and wall reconstruction along Bay Street.
 - Continues to excavate for drainage between Ballfield 9 and Soccer field 2.
 - Dispose of tree stumps and limbs offsite.
 - DPR required to provide with 2 week look ahead schedules and monthly progress reports.
 - TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – May 2020

The Site shutdown due to COVID-19 has impacted the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 44 Reporting Period: May 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 44 – May 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: June 5, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 44 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2020

- The Contractor performed weekly Site inspections to repair soil erosion controls and confirm the Site is secure.
- AECOM performed weekly Site inspections to evaluate Site conditions.
- Secured soil stockpile covers.

EPA Communications and/or Requests – May 2020

- On 5/5/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 5/12/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 5/19/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 5/26/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.



Project Progress Report No. 44

Reporting Period: May 2020

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Problems Encountered and Resolutions – May 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- On 5/21/2020, the project Site was reclassified as essential and received the waiver to continue work. The Contractor is preparing a revised Health and Safety Plan for submission and approval prior to the restart of work.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – May 2020

- No laboratory analytical data was received.

Upcoming Activities – June 2020

- DPR to receive essential designation allowing work to continue at the Site.
- The contractor will conduct weekly Site inspections while the Site is shut down due to COVID-19 to confirm the Site is secure, stockpiles are covered, and no other hazards exist.
- When works resumes at the Site the following activities will occur.
 - Contractor to drill for rebar and wall reconstruction along Bay Street.
 - Continues to excavate for drainage between Ball field 9 and Soccer field 2.
 - Dispose of tree stumps and limbs offsite.
 - DPR required to provide with 2 week look ahead schedules and monthly progress reports.
 - TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – June 2020

The Site shutdown due to COVID-19 has impacted the project schedule.

No other new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 45 Reporting Period: June 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 45 – June 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 17, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 45 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2020

- The Contractor performed weekly Site inspections to repair soil erosion controls and confirm the Site is secure.
- AECOM performed weekly Site inspections to evaluate Site conditions.
- On 6/16/2020, TRC performed CAMP. No visible dust, odors, or elevated concentrations of volatile organic compounds (VOCs) or particulates recorded.
- No other work was performed.

EPA Communications and/or Requests – June 2020

- On 6/8/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 6/9/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.



Project Progress Report No. 45 **Reporting Period: June 2020**

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- On 6/15/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 6/16/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 6/29/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 6/30/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – June 2020

- On 3/31/2020, the project Site was shut down by the NYCDOB in response to COVID-19 order to stop all non-essential construction projects.
- On 5/21/2020, the project Site was reclassified as essential and received the waiver to continue work. The Contractor prepared a revised Health and Safety Plan for submission and approval prior to the restart of work.
- On 6/29/2020, the project Site resumed work.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – June 2020

- No laboratory analytical data was received.

Upcoming Activities – July 2020

- Contractor to drill for rebar and wall reconstruction along Bay Street.
- Begin to excavate for drainage between Ball field 9 and Soccer field 2.
- Dispose of tree stumps and limbs offsite.
- Dispose of stockpiled soil off-site.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – July 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 46 Reporting Period: July 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 46 – July 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 46 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2020

- Removed non-hazardous contaminated soil from Soccer Field 2 to Clean Earth landfill and Ball Field 9 to Fairless landfill.
- Broke down non-hazardous uncontaminated concrete for disposal.
- Installed concrete forms for Bay Street Wall reconstruction.
- Installed rebar and concrete forms for Bay Street Staircase Footings.
- Removed 2 manholes and associated drainage structures from Ball Field 9.
- Excavated curb from tree pits near Bay Street entrance.
- TRC performed CAMP. No visible dust, odors, or elevated concentrations of volatile organic compounds (VOCs) or particulates recorded.



Project Progress Report No. 46 Reporting Period: July 2020

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EPA Communications and/or Requests – July 2020

- On 7/6/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 7/7/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 7/13/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 7/14/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 7/20/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 7/21/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 7/27/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 7/28/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – July 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – July 2020

- No laboratory analytical data was received.

Upcoming Activities – August 2020

- Continue to excavate for drainage between Ball field 9 and Soccer field 2.
- Continue to build concrete forms and install rebar for Bay Street retaining wall.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – August 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 47 Reporting Period: August 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 47 – August 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: September 23, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 47 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2020

- Installed rebar and concrete formwork for the Bay Street retaining wall, footings, cheek walls, and baseball backstop.
- Concrete, lumber, and topsoil delivered on-site.
- Hand and pneumatic excavation of critical root zone around tree #96, #97, #130-137, and #143.
- Installed demarcation layer and clean topsoil following completion hand and pneumatic excavations at existing trees to remain.
- Concrete placement for the cheek walls at stairs #2 and #3.
- Began excavation for the Hooded Baseball Backstop foundation in Ballfield 9 and concrete placement for the 12" curb east of the baseball backstop.



- TRC performed CAMP.
 - On 8/10/2020, elevated dust readings were recorded at downwind location 1C from 9:14 to 9:16 am. These three minutes of elevated readings resulted in exceedance of the 150 ug/m³ action level from 9:00 am to 9:30 am. TRC was not aware of any Site work occurring in this area and therefore, these elevated readings are attributed to equipment malfunction/off-site sources.
 - No other dust exceedances were recorded during this time period associated with on-site activities.

EPA Communications and/or Requests – August 2020

- On 8/10/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 8/11/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 8/17/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 8/18/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 8/24/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 8/25/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.

Problems Encountered and Resolutions – August 2020

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – August 2020

- No laboratory analytical data was received.

Upcoming Activities – September 2020

- Hand excavate soil from the critical root zone of trees #130-137.
- Place demarcation layer and backfill to hand excavated areas.
- Install concrete formwork and rebar for Bay Street retaining wall and cheek walls.
- Concrete placement for the 12" curb at the ballfield backstop.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – September 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 48 **Reporting Period: September 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 48 – September 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: October 12, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 48 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2020

- Continued forming the retaining wall along Bay Street and concrete curb east of the backstop.
- Installed rebar and concrete formwork for the Bay Street retaining wall, footings, cheek walls, and baseball backstop.
- Rebar, concrete, topsoil, 800AJ lift for Mainstream Electric, and CAT330F with hoe ram attachment were delivered on-site.
- Mainstream Electric completed the NEMA enclosure and installed sports lighting fixtures.
- Hand and pneumatic excavation of critical root zone around tree #20-22, #25-28, #105-117, #120, #122-129, #130-137, #138-142.
- Continued demarcation layer and clean topsoil installation.



Project Progress Report No. 48 Reporting Period: September 2020

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- Continued excavation for the Hooded Baseball Backstop foundation in Ballfield 9 and concrete placement for the 12" curb east of the baseball backstop.
- TRC performed CAMP.
 - No dust exceedances were recorded during this time period associated with on-site activities.

EPA Communications and/or Requests – September 2020

- On 9/01/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 9/14/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 9/15/2020, EPA attended Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 9/21/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 9/28/2020, EPA attended Progress Meeting with AECOM, DPR, and TRC.
- On 9/29/2020, EPA attended Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – September 2020

- A storm drain was damaged due to the excavation for concrete curbs by Bay Street. The Contractor is working to repair it.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – September 2020

- No laboratory analytical data was received.

Upcoming Activities – October 2020

- Hand excavate soil from the critical root zone of trees #20-22, #25-28, #105-117, #120, #122-129, #130-137, #138-142.
- Demarcation layer and backfill installation.
- Install concrete formwork and rebar for Bay Street retaining wall and cheek walls.
- Mainstream Electric to continue installing sports lighting fixtures.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – October 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 49 Reporting Period: October 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 49 – October 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: November 25, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 49 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2020

- Installed concrete formwork and concrete placement for the 12” concrete curb in the outfield, North of Ballfield curbs, and Soccer Field 2.
- Mainstream Electric continued to install sports lighting fixtures.
- Arold Construction performed inspection of storm drain and 11 Enviro performed dye testing of storm drains in Soccer Field 2.
 - Arold and 11 Enviro cleared existing storm drainage structures and piping throughout the site.
 - Arold lined existing storm drain.
- Topsoil delivered onsite.
- Concrete and asphalt shipped offsite for disposal.



- Hand and pneumatic excavation of critical root zone around tree #25-30.
- Hand excavation for concrete curb by Soccer Field 2.
- Excavated for sonotubes and curbs in the outfield. Removed 6" curbs.
- Continued demarcation layer and clean topsoil installation.
- TRC performed CAMP.
 - No dust exceedances were recorded during this time period associated with on-site activities.

EPA Communications and/or Requests – October 2020

- On 10/5/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/13/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 10/19/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/26/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 10/27/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – October 2020

- Contractor requires additional topsoil to resume hand excavation of tree critical root zones.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – October 2020

- No laboratory analytical data was received.

Upcoming Activities – November 2020

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue Demarcation layer and backfill installation.
- Continue the installation of concrete formwork and placement for the outfield, North of site near Ballfield 9, and Soccer Field 2.
- Mainstream Electric to continue installing sports lighting fixtures.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – November 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 50
Reporting Period: November 2020

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 50 – November 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: December 16, 2020

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 50 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2020

- Mainstream Electric continued to install sports lighting fixtures.
- Installed Polyethylene Corrugated Pipe, Geogrid, and manhole for drainage outside of Ballfield 9.
- Installed RPZ precast concrete structure and Bottle Filler with Hi-Lo Drinking Fountain basin.
- Installed concrete placement and forms for the cheekwall and retaining wall at Bay Street.
- Pre-cast drainage structures, geofabric, geotextile, borrowed fill, crushed stones, and concrete were delivered on-site.
- Hand excavation for 3" cold water connection in critical root zone.
- Continued demarcation layer and clean topsoil installation.



Project Progress Report No. 50

Reporting Period: November 2020

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- Techtonic surveyed subgrade demarcation.
- TRC performed CAMP.
 - On 11/17/2020, elevated dust concentrations were recorded from 9:45 am to 10:00 am. The exceedance was caused by the Contractor cutting materials near the downwind CAMP station and not attributed to soil disturbance.

EPA Communications and/or Requests – November 2020

- On 11/2/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 11/9/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 11/10/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, LAWS, and TRC.
- On 11/16/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 11/23/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 11/24/2020, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 11/30/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – November 2020

- Contractor requires additional topsoil to resume hand excavation of tree critical root zones.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – November 2020

- No laboratory analytical data was received.

Upcoming Activities – December 2020

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue Demarcation layer and backfill installation.
- Continue the installation of concrete formwork and placement for the outfield, North of site near Ballfield 9, and Soccer Field 2.
- Mainstream Electric to continue installing sports lighting fixtures.
- DPR required to provide with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – December 2020

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 51 **Reporting Period: December 2020**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
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New York, New York 10018

Subject: **Monthly Progress Report No. 51 – December 2020 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: January 26, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 51 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2020 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2020

- Continued installation of Polyethylene Corrugated Pipes 12” dia, Geotextile, and Geogrid for drainage in Ballfield 9.
- Continued installation of concrete placement, forms, and steps for the cheekwalls and stairs at entrance #1.
- Broken Stones were delivered on-site.
- Continued demarcation layer and clean topsoil installation.
- TRC performed CAMP.
 - No exceedances were recorded.



EPA Communications and/or Requests – December 2020

- On 12/7/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 12/14/2020, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – December 2020

- Contractor requires additional topsoil to resume hand excavation of tree critical root zones.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – December 2020

- No laboratory analytical data was received.

Upcoming Activities – January 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork and placement for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – January 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 52 Reporting Period: January 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 52 – January 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 15, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 52 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2021

- Continued installation of Polyethylene Corrugated Pipes 12” dia, Geotextile, Geogrid, and pre-cast concrete for drainage in Ballfield 9.
- Continued installation of concrete placement and forms for curbs and stairs at entrance #1.
- Concrete and broken stones were delivered on-site.
- Uncontaminated asphalt was disposed off-site.
- Continued demarcation layer and clean topsoil installation.
- MP Engineers performed concrete rebar inspections.
- Installed manhole south of soccer field 2.



- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – January 2021

- On 1/4/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 1/11/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 1/25/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – January 2021

- Contractor requires additional topsoil to resume hand excavation of tree critical root zones.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – January 2021

- No laboratory analytical data was received.

Upcoming Activities – February 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork and placement for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – February 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 53 Reporting Period: February 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 53 – February 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 6, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 53 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2021

- Non-Hazardous Contaminated Soil was transported to Clean Earth for disposal.
- Uncontaminated asphalt was disposed off-site.
- Installed basins for drinking fountains by the Bay Street entrance and north of Ball Field 9.
- Precast Concrete Drainage structures brought up to grade with bricks and concrete.
- TRC performed CAMP.
 - No exceedances were recorded.



EPA Communications and/or Requests – February 2021

- On 2/1/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 2/8/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 2/16/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 2/22/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.

Problems Encountered and Resolutions – February 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – February 2021

- No laboratory analytical data was received.

Upcoming Activities – March 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork and placement for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – March 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 54 Reporting Period: March 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 54 – March 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 14, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 54 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2021

- Continued installation of concrete and forms for curbs and pavements.
- Topsoil, borrowed fill, broken stone and plumbing supplies (storage containers and copper pipes) were delivered on site.
- Asphalt was disposed off-site.
- Installed grates and geotextile for drainage structures.
- Installed demarcation layer inside the trench for the water lines and curbs.
- Fresh Meadow Mechanical Plumbing installed copper pipes and cast-iron valve boxes for the drinking fountain water line, geotextile for drywell, and plug valves for the ground hydrant.
- Installed and backfilled water line with borrowed fill.



- Hand excavation for water connection and curbs near trees between the ballfield and soccer field.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – March 2021

- On 3/1/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/8/2021, EPA attended a Pre-Meeting with DPR, AECOM, and TRC.
- On 3/15/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 3/16/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 3/17/2021, TRC emailed EPA indicating DPR would like to use EPA ID number obtained for Ball Fields 5-8 for the disposal of hazardous soil generated on Ball Field 9 since both areas are included in the EPA Consent Order and thereby part of the former Columbia Smelting & Refining Works site for which the EPA ID number was issued. EPA responded confirming using the EPA ID number from Ball Fields 5-8 for Ball Field 9 is acceptable.
- On 3/22/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 3/29/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 3/30/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – March 2021

- LAWS damaged the electrical conduit near the southwest area of soccer field. Backfill will be on hold until the conduit is fixed.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – March 2021

- No laboratory analytical data was received.

Upcoming Activities – April 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- Continue installation of waterlines, drinking fountains, ground hydrants, and drywells.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – April 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 55 Reporting Period: April 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 55 – April 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: June 2, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 55 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2021

- Continued installation of concrete and forms for curbs and pavements.
- Continued installation and backfilling water line with borrowed fill.
- Continued hand excavation for curbs near trees by the ballfield.
- Rebar, foundation stones, and topsoil were delivered on-site.
- Crushed concrete curbs and asphalt were disposed off-site.
- Installed a Cast Iron Valve box and geotextile by the cold-water connection.
- Installed demarcation layer below curbs and in dugouts and topsoil in critical rootzones.

- Fresh Meadow Mechanical Plumbing installed plug valves and connections to existing cold water line, Ground Hydrants, and Spray Fixtures. On 4/16/2021, plumbers conducted and passed the pressure test for the water line by capping the end of a copper pipe in the Southwest corner of the site.
- Mainstream Electronic removed DOT Pedestrian light pole.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – April 2021

- On 4/5/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 4/12/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 4/13/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.
- On 4/19/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 4/26/2021, EPA attended a Pre-Progress Meeting with AECOM, DPR, and TRC.
- On 4/27/2021, EPA attended a Progress Meeting with AECOM, DPR, and LAWS.

Problems Encountered and Resolutions – April 2021

- The Contractor damaged the electrical conduit near the southwest area of soccer field. Backfill will be on hold until the conduit is repaired.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – April 2021

- No laboratory analytical data was received.

Upcoming Activities – May 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- Continue installation of waterlines, drinking fountains, ground hydrants, and drywells.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – May 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 56 Reporting Period: May 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 56 – May 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 3, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 56 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2021

- Continued installation of concrete placement and forms for curbs and pavements.
- Continued hand excavation for curbs near trees by the ballfield.
- Continued installation of demarcation layer below curbs and topsoil in critical rootzones.
- Continued installation of the Cast Iron Valve Box by the cold-water connection.
- Mainstream Electronic installed light pole bases and conduit for DOT Pedestrian Path Lighting.
- Installed bricks to drainage structure and catch basins to bring them up to grade.
- Adjusted existing storm drains and electrical boxes to new grade.
- Topsoil was delivered on-site.



Project Progress Report No. 56

Reporting Period: May 2021

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- Non-Hazardous and hazardous contaminated soil, concrete, and asphalt were disposed off-site.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – May 2021

- On 5/3/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 5/10/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 5/11/2021, EPA attended a Progress Meeting with AECOM, DPR, LAWS and TRC.
- On 5/17/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 5/24/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 5/25/2021, EPA attended a Progress Meeting with AECOM, DPR, LAWS and TRC.

Problems Encountered and Resolutions – May 2021

- The Contractor damaged the electrical conduit near the southwest area of soccer field. Backfill will be on hold until the conduit is repaired.
- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – May 2021

- No laboratory analytical data was received.

Upcoming Activities – June 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – June 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 57 Reporting Period: June 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 57 – June 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 3, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 57 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2021

- Continued installation of concrete placement and forms for curbs, pavements, and benches.
- Continued hand excavation for curbs near existing trees.
- Continued installation of demarcation layer below curbs, topsoil in critical rootzone, and planting areas.
- Continued installation of the cast iron valve box by the cold-water connection.
- Continued installation of bricks for drainage structure and catch basins to bring them up to grade.
- Continued the adjustment of existing storm drains and electrical boxes to new grade.
- Installed grate over drainage structure by the outfield.



- Topsoil and diesel fuel were delivered on-site.
- Non-Hazardous contaminated soil, asphalt, and concrete were disposed off-site.
- TRC performed CAMP.
 - On 6/1/2021, a slightly elevated 15-min time weighted average dust concentration of 148 ug/m³ was recorded from 9:45 to 10:00 am at downwind CAMP station 1C. The elevated 15-min average was 106 ug/m³ above background which is slightly above the action level for corrective action of 100 ug/m³. No visible dust or additional elevated readings were recorded. The Site conditions were damp during this time from recent rain events, no visible dust was observed.
 - No other exceedances were recorded.

EPA Communications and/or Requests – June 2021

- On 6/7/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 6/14/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.
- On 6/21/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM and TRC.
- On 6/22/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS and TRC.
- On 6/28/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, and TRC.

Problems Encountered and Resolutions – June 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – June 2021

- No laboratory analytical data was received.

Upcoming Activities – July 2021

- Continue hand and pneumatic excavation of tree critical root zones.
- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – July 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 58 **Reporting Period: July 2021**

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 58 – July 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 26, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 58 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2021

- Continued installation of concrete placement and forms for curbs, pavements, and benches.
- Continued installation of demarcation layer below curbs, topsoil in critical rootzone, and planting areas.
- Brought utility structure up to grade by installing electrical boxes.
- Brought planting areas, roadways, and paths up to grade.
- Began excavation for precast concrete piers.
- Painted reconstructed retaining wall along Bay Street.
- Goal posts, foul poles, diesel fuel, concrete, and broken stone was delivered on-site.



Project Progress Report No. 58

Reporting Period: July 2021

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- Uncontaminated concrete, asphalt, and hazardous contaminated soil were disposed off-site.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – July 2021

- On 7/6/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS and TRC.
- On 7/12/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB and TRC.
- On 7/19/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 7/20/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS and TRC.
- On 7/26/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.

Problems Encountered and Resolutions – July 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – July 2021

- No laboratory analytical data was received.

Upcoming Activities – August 2021

- Continue demarcation layer and backfill installation.
- Continue transportation and disposal of soil.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – August 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 59 Reporting Period: August 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 59 – August 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: October 20, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 59 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during August 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – August 2021

- Continued installation of concrete placement and forms for curbs, pavements, and benches.
- Continued installation of demarcation layer below curbs and RPZ.
- Continued excavation for precast concrete piers and grading paths.
- Continued painting the reconstructed retaining wall along Bay Street.
- Began core drilling of retaining wall along Clinton Street for fence posts.
- Brought drainage structure to grade by adjusting top of utility.
- Removed old fence posts and slit fences in preparation of painting Clinton Street wall.
- Adjusted height of drinking fountain – Type “E” Hi-Low with Dog Bowl.

- Fresh Meadow Mechanical Plumbing
 - Installed plumbing for the bottle filler with Hi-Low Drinking Fountain, RPZ, and Water Meter structure.
 - Installed piping and plug valves by RPZ.
 - On 8/30/2021, successfully conducted pressure test of piping by RPZ.
- Mainstream Electric
 - Installed electrical boxes, conduit, and light pole bases.
 - Painted ballfield sports lighting poles.
- On 8/3/2021, AEC sampled Ballfield 9 stockpile.
- On 8/19/2021, Kelco installed their construction fence between Phase 2 and 3.
- Concrete and diesel fuel were delivered on-site.
- TRC performed CAMP.
 - On 8/19/2021, elevated 15-min time weighted average dust concentrations and visible dust were recorded from 9:30 to 10:30 am at **upwind** CAMP station 1C. The elevated dust concentrations were associated with concrete work occurring near the upwind air monitoring station 1C and not associated with on-site soils. No other visible dust or elevated readings were recorded.

EPA Communications and/or Requests – August 2021

- On 8/2/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 8/9/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 8/16/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 8/23/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 8/30/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 8/31/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.

Problems Encountered and Resolutions – August 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – August 2021

- No laboratory analytical data was received.

Upcoming Activities – September 2021

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- Continue core drilling of retaining wall along Clinton Street for fence posts.
- Mainstream electric to continue painting ballfield sports lighting poles.



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Reporting Period: August 2021

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- Fresh Meadow Mechanical Plumbing to continue installing RPZ.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – September 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 60
Reporting Period: September 2021

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 60 – September 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: October 20, 2021

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 60 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during September 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – September 2021

- Continued installation of concrete placement and forms for curbs, pavements, and benches.
- Continued installation of demarcation layer below curbs and RPZ.
- Continued excavation for precast concrete piers and grading paths.
- Continued painting the reconstructed retaining wall along Bay Street.
- Continued core drilling of retaining wall along Bay Street and Clinton Street for fence posts.
- Brought drainage structure to grade by adjusting top of utility.
- Removed old fence posts and slit fences in preparation of painting Clinton Street wall.
- Adjusted height of drinking fountain – Type “E” Hi-Low with Dog Bowl.

- Repair and painting of the retaining wall along Bay Street and Clinton Street.
- Fresh Meadow Mechanical Plumbing
 - Continued the plumbing installation for bottle filler with Hi-Low Drinking Fountain, RPZ, and Water Meter structure.
 - Installed piping and plug valves by RPZ.
- Mainstream Electric
 - Continued painting ballfield sports lighting poles.
 - Repaired damaged electrical conduit for sports lighting.
 - Installed bonding wires on electrical poles.
 - Installed lampposts.
- Fence posts, fittings, and precast concrete piers were delivered on-site.
- Forrester Fence Co.
 - Installing fencing.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – September 2021

- On 9/6/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 9/13/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 9/14/2021, EPA attended a Progress Meeting with DPR, AECOM, LAWS, and TRC.
- On 9/20/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.
- On 9/27/2021, EPA attended a Pre-Progress Meeting with DPR, AECOM, ABB, and TRC.

Problems Encountered and Resolutions – September 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – September 2021

- No laboratory analytical data was received.

Upcoming Activities – November 2021

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- Continue core drilling of retaining wall along Clinton Street for fence posts.
- Mainstream electric to continue painting ballfield sports lighting poles.
- Fresh Meadow Mechanical Plumbing to continue installing RPZ.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.



- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – November 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 61 Reporting Period: October 2021

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 61 – October 2021 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 61 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during October 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – October 2021

- Geotextile and demarcation installed by RPZ valves.
- Removed post and grout hole on Clinton Street wall.
- Painted Clinton Street wall.
- Soil shipped offsite by JC Transport.
- Mainstream Electric
 - Wired, fused, tested, and installed DOT light poles.
 - Removed old lamp heads for disposal.
- A&T Ironworks



Project Progress Report No. 61 Reporting Period: October 2021

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- Installed steel fence on Bay Street and Clinton Street wall.
- Forrester Fence Co.
 - Installed fence posts for chain link fence.
- TRC performed CAMP.
 - On 10/25/2021, an elevated 15-min time weighted average dust concentration was recorded from 9:15 to 9:30 am at downwind CAMP station 1C. The elevated dust concentration is believed to be associated with steel bar fence installation and concrete work occurring near the downwind air monitoring station 1C and not associated with on-site soils. No visible dust or other elevated readings were recorded.
 - No other exceedances were recorded.

EPA Communications and/or Requests – October 2021

- NA

Problems Encountered and Resolutions – October 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – October 2021

- No laboratory analytical data was received.

Upcoming Activities – November 2021

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – November 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 62 Reporting Period: November 2021

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 62 – November 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 62 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during November 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – November 2021

- Excavated in critical root zone for precast concrete pier curbs foundation footings.
- Demarcation layer installed for curbs between concrete piers.
- Placed precast concrete piers.
- Placed concrete for curb footing piers between precast concrete piers
- Shipped out soil from ballfield stockpile by JC Transport to Fairless, PA landfill.
- Forrester Fence Co.
 - Installing fencing.
- TRC performed CAMP.



- No exceedances were recorded.

EPA Communications and/or Requests – November 2021

- NA

Problems Encountered and Resolutions – November 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – November 2021

- No laboratory analytical data was received.

Upcoming Activities – December 2021

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – December 2021

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 63 Reporting Period: December 2021

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
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2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 63 – December 2021 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 63 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during December 2021 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – December 2021

- Installed forms for curbs between precast concrete piers.
- Placed concrete curbs between precast piers.
- Placed concrete for pads for benches.
- Built curbs between precast piers.
- Installed demarcation below curbs and precast piers.
- Placed precast piers.
- Excavated for sonotube pier foundations for curbs and precast piers



- Forrester Fence Co.
 - Installing fencing.
- TRC performed CAMP.
 - No exceedances were recorded.

EPA Communications and/or Requests – December 2021

- NA

Problems Encountered and Resolutions – December 2021

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – December 2021

- No laboratory analytical data was received.

Upcoming Activities – January 2022

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – January 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 64 Reporting Period: January 2022

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 64 – January 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: February 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 64 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during January 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – January 2022

- Installed geotextile and geogrid for ballfield drainage.
- Broken stone delivered to site.
- Installed nailer board in ballfield.
- Installed inlets for flat drains in soccer field.
- Disposal of one truck of asphalt.
- Built curbs between concrete piers.



- TRC performed CAMP.
 - On 1/25/2022, an elevated 15-min time weighted average dust concentration was recorded from 11:30 to 11:45 am at downwind CAMP station 1A. The elevated dust concentration is believed to be associated with background conditions not associated with on-site soils. Site conditions were damp and no ground intrusive work was performed. No visible dust or other elevated readings were recorded.
 - No exceedances were recorded.

EPA Communications and/or Requests – January 2022

- NA

Problems Encountered and Resolutions – January 2022

- The project is behind the DPR construction schedule. DPR continues to work with the contractor to expedite the schedule.

Analytical Data Received – January 2022

- No laboratory analytical data was received.

Upcoming Activities – February 2022

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork for the outfield.
- DPR to continue to provide EPA with 2 week look ahead schedules and monthly progress reports.
- TRC to continue to perform CAMP during soil disturbance.

Anticipated Problems and Planned Resolutions – February 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 65 Reporting Period: February 2022

Page 1 of 3

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 65 – February 2022 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: March 25, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 65 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during February 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – February 2022

- Installed geotextile and geogrid for ballfield drainage.
- Broken stone delivered to site.
- Techtonic performing demarcation survey of the ballfield.
- Disposal of one truck of asphalt.
- Built curbs between concrete piers.
- Cut pavement on Bay St sidewalk for tree pits
- LAWS Installed drinking fountains
- LAWS installed game tables north of ballfield



- Placed concrete for bench foundations
- A&T installing steel picket fence
- Placed borrowed fill between precast piers
- Placed demarcation below curbs and precast piers
- Placed topsoil by planting area by bleachers and topsoil delivery
- No exceedances were recorded.
- Non- Hazardous Soil disposal (175.58 Ton)
- Disposal of non-hazardous material at soccer field 2 (265.76 Tons)

EPA Communications and/or Requests – February 2022

- NA

Problems Encountered and Resolutions – February 2022

- No work due to Rain and Snow, resumed later after snow removal
- LAWS not working on the following: demarcation and placing borrowed fill for ballfield 9; topsoil placement; steel-faced concrete curbs; and chain link fence. LAWS will not place demarcation and borrowed fill in the ballfield until the demarcation survey is approved by the agency
- LAWS was made aware of cracking and damaged sections of the Bay St retaining walls

Analytical Data Received – February 2022

- No laboratory analytical data was received.

Upcoming Activities – March 2022

- Continue demarcation layer and backfill installation.
- Continue the installation of concrete formwork.
- TRC to continue to perform CAMP during soil disturbance.
- Continue Backstop Fence Installation

Anticipated Problems and Planned Resolutions – March 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 66 Reporting Period: March 2022

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 66 – March 2022 Reporting Period
Columbia Smelting and Refining Works Site**
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: April 20, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 66 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during March 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – March 2022

- Securing backstop at ballfield 9
- Prepped and Installed Inlet at soccer field drainage
- Installing 12' fence at soccer field 2
- Exposed RPZ to be removed
- LAWS installing geotextile at ballfield 9
- Saw Cut pavement for wet connection
- Installed temp sheeting at waterline excavation
- Geogrid and geotextile installed at soccer field perimeter



- Fire Hydrant Excavation
- Demarcation layer on soccer field drainage
- Installing 4" pipe extension for drainage connection at soccer field.
- Excavating existing curb
- Installed water line to connect RPZ
- Installed a property line valve under curb at water connection.
- Installed demarcation layer south of soccer field 2.
- Geotextile and geogrid installation at ballfield 9 perimeter
- A&T Installing steel fence
- LAWS cleaning and caulking expansion joints
- LAWS core drilling for fence post
- LAWS repairing walls at entrance 1 & 2
- Core drilling for handrail at main entrance
- Excavation to build forms for curbs across from ballfield 9 (south side)
- Installed porous aggregate on ballfield 9.
- Installed valve at RPZ water line connection

EPA Communications and/or Requests – March 2022

- NA

Problems Encountered and Resolutions – March 2022

- NA

Analytical Data Received – March 2022

- No laboratory analytical data was received.

Upcoming Activities – April 2022

- Continue demarcation layer and backfill installation.
- Continue soccer field installation.
- Continue with handrail installation
- Continue Concrete and Fence Placement

Anticipated Problems and Planned Resolutions – April 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 67 Reporting Period: April 2022

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
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Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 67 – April 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: May 18, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 67 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during April 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – April 2022

- Installed Perimeter turf attachment at soccer field 2
- Worked on RPZ connection
- Installed demarcation layer at ballfield 9 and roadway
- Installed insulation at Bay Street water line. (Required by DEP).
- Placed and compacted borrowed fill at ballfield 9 and walkways
- Cleaned and Caulked expansion joint locations
- Placed borrowed fill at ballfield 9 and roadway.
- Installed demarcation layer at ballfield 9

- Installed demarcation layer at roadway and soccer field 2
- Excavated for concrete curbs at ballfield 9.
- Excavated for foul pole
- Installed inlet for flat drain connection
- Excavated for and constructed curb between ballfield 9 and soccer field 2
- Placed top soil at planting area
- Installed geotextile and geogrid at soccer field 2.
- Concrete placement at RPZ walkway
- Installed 12" corrugated pipe at soccer field 2.
- Installed demarcation layer at main entrance ramp at Bay Street.
- Concrete placement for curb NE of ballfield 9
- Removed temporary wooden tree guards
- Installed 4 single steel fence around ballfield 9
- Installed steel gates near stair entrances and near the bleachers.

EPA Communications and/or Requests – April 2022

- NA

Problems Encountered and Resolutions – April 2022

- NA

Analytical Data Received – April 2022

- No laboratory analytical data was received.

Upcoming Activities – May 2022

- Continue demarcation layer and backfill installation.
- Continue soccer field installation.
- TRC to continue to perform CAMP during soil disturbance.
- Continue Concrete and Fence Placement

Anticipated Problems and Planned Resolutions – May 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 68 Reporting Period: May 2022

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 68 – May 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: June 15, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 68 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during May 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – May 2022

- LAWS continue spreading top soil east of Ball Field 9.
- LAWS continue grubbing west of ballfield 9
- Installed demarcation layer at roadway
- Installed top soil at planters
- Excavated to placed concrete curbs
- Installed geotextile at Ball field 2 perimeter
- Installed perimeter turf attachment at NW corner of soccer field 2
- Installed geogrid at NW corner of soccer field 2



Project Progress Report No. 68

Reporting Period: May 2022

Page 2 of 2

- Contractor clearing weed from planting areas
- Contractor continued compacting the exterior of ballfield 9 and roadways
- Installed geogrid and geotextile on ballfield 9.
- Planted various flowers
- Installed slotted drains at SW section of ballfield 9.
- Installed demarcation layer at ballfield 9
- Spreading porous aggregate at ballfield 9.
- Placing mulch and planting trees.
- Excavation at main entrance stair #1 area.
- Installed pins and bolts at 12ft fence
- Placed concrete at Bay Street stairs landing

EPA Communications and/or Requests – May 2022

- NA

Problems Encountered and Resolutions – May 2022

- Survey was performed 5/4/22 when survey results are returned LAWS should be able to finish backfilling the ballfield and surrounded areas.
- Hydrant CO required for the replacement of hydrant damaged over winter.
- Movable Fence CO required for replacement of Bay Street sidewalk.

Analytical Data Received – May 2022

- No laboratory analytical data was received.

Upcoming Activities – June 2022

- Continue with beautification and aesthetics
- Continue Concrete and Fence Placement

Anticipated Problems and Planned Resolutions – June 2022

No new problems are currently anticipated.

Enclosure: None



Project Progress Report No. 69 Reporting Period: June 2022

Page 1 of 2

To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 69 – June 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: July 19, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 69 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during June 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – June 2022

- Installed bicycle racks.
- cleared overgrown weed around ballfield 9
- Contractor raised drainage structure south of ballfield 9.
- Installed shock pad at ballfield 9.
- Contractor installed benches at ballfield 9 and Bay Street entrance.
- Contractor started the installation of synthetic turf.
- Subcontractor planted trees and shrubs at ballfield 9 and surrounded areas.
- Installed demarcation layer on curbs
- Concrete placement for curbs.
- Installed porous aggregate on ballfield 9
- Backfilled roadway with clean fill



Project Progress Report No. 69

Reporting Period: June 2022

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- Installed 3 light poles around ballfield 9.
- Planted new trees and plants at planters surrounding ballfield 9.
- Contractor continue installing binder course for pavers

EPA Communications and/or Requests – June 2022

- NA

Problems Encountered and Resolutions – June 2022

- Hydrant CO required for the replacement of hydrant damaged over winter.
- Movable Fence CO required for replacement of Bay Street sidewalk.

Analytical Data Received – June 2022

- No laboratory analytical data was received.

Upcoming Activities – July 2022

- Continue with beautification and aesthetics
- Continue concrete and pavement

Anticipated Problems and Planned Resolutions – July 2022

No new problems are currently anticipated.

Enclosure: None



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Reporting Period: July 2022

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To: Irmgard Lopez, Daniel Gaughan and Margaret Gregor
On-Scene Coordinator
EPA Region 2
Emergency and Remedial Response Division
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837-3679

Prepared on behalf of: The City of New York Department of Parks and Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, NY 11368

Prepared by: TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, New York 10018

Subject: **Monthly Progress Report No. 70 – July 2022 Reporting Period**
Columbia Smelting and Refining Works Site
Red Hook Ball Field 9
825 Henry Street and 684 Clinton Street, Brooklyn, New York 11231
EPA CERCLIS ID NYN000206593
Settlement Agreement Index No. CERCLA 02-2016-2010
DPR Project Contract No: B126-117M
TRC Project No. 246184.1000

Date: August 23, 2022

In accordance with Paragraph 32 of the Administrative Settlement Agreement and Order on Consent for a Removal Action (Settlement Agreement) for the above-referenced site, TRC Engineers, Inc. (TRC) has prepared this Monthly Progress Report No. 70 to describe work performed on behalf of the City of New York Department of Parks and Recreation (DPR) during July 2022 in connection with Red Hook Ball Field 9 located in Brooklyn, New York. Work activities were performed in accordance with the Settlement Agreement dated July 7, 2016. A summary of the removal work activities performed is provided below:

Work Activities Performed – July 2022

- Contractor installed synthetic turf with infill at ballfield 9.
- Contractor installed pavers at Bay Street entrance
- Contractor installed, electrified, and painted light poles
- Contractor removed temporary tree guard east of soccer field 2
- Contractor installed steel fence and panels at Bay Street entrance

EPA Communications and/or Requests – July 2022

- NA



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Reporting Period: July 2022

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Problems Encountered and Resolutions – July 2022

- Hydrant CO required for the replacement of hydrant damaged over winter.
- Movable Fence CO required for replacement of Bay Street sidewalk.

Analytical Data Received – July 2022

- No laboratory analytical data was received.

Upcoming Activities – August 2022

- Continue with beautification and aesthetics
- Continue concrete and pavement

Anticipated Problems and Planned Resolutions – August 2022

No new problems are currently anticipated.

Enclosure: None