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October 30, 2014

Mr. Edward Hammerberg
Technical Specialist/RCE Supervisor
Waste Division and Utilization Program
Maryland Department of the Environment
1800 Washington Boulevard, Suite 645
Baltimore, MD 21230

Subject: Transmittal of Quarterly Site Progress Report, Third Quarter 2014

2000 Race Street Site, Baltimore, Maryland

Dear Mr. Hammerberg:

Please find attached the Third Quarter 2014 Site Progress Report for the 2000 Race Street Site, Baltimore, Maryland. This document is provided on behalf of Honeywell and the Mayor and City Council of Baltimore pursuant to the requirements of Section III.A of the 2000 Race Street Site Consent Order (effective date of May 23, 2007).

If you have any questions or require additional information, please do not hesitate to contact me at 973-455-4131.

Very truly yours,

HONEYWELL INTERNATIONAL INC.

Christopher M. French, R.G., C.E.G.

Manager, Remediation & Evaluation Services

Attachment

cc: Mr. Ed Dexter (MDE)

Mr. Michael Daneker (Arnold & Porter) Ms. Dawn Lettman (City of Baltimore)

Mr. Art Shapiro (City of Baltimore)

Mr. Gary Walters (ERM)

Third Quarter 2014 Race Street Quarterly Site Progress Report, 2000 Race Street, Baltimore, Maryland

Prepared for

Honeywell International Inc.

The Mayor and City Council of Baltimore, Maryland

October 2014



15010 Conference Center Drive Suite 200 Chantilly, VA 20151

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Appendixes

A Site Inspection Reports

Introduction

Honeywell International Inc. (Honeywell) and the Mayor and City Council of Baltimore (City) are submitting this Quarterly Site Progress Report for the 2000 Race Street Site (Site) pursuant to the May 23, 2007, Administrative Consent Order (Consent Order) between the Maryland Department of the Environment (MDE), Honeywell, and the City. Quarterly Site Progress Reports will be submitted to MDE for the duration of the Consent Order. As specified within Section III.F of the Consent Order, the reports will identify the following information:

- Work completed and documents submitted to MDE in the preceding quarter;
- A schedule and submittals for the upcoming quarter; and
- Any delays, modifications, or changes anticipated in the upcoming quarter.

This report covers Site-related activities conducted under the Consent Order during the third quarter of 2014, from July 1 through September 30, 2014.

The Site is located at 2000 Race Street, in Baltimore, Maryland (ZIP Code 21230). It occupies approximately 10.3 acres and is bounded on the north by the Baltimore Gas and Electric (BGE) Spring Gardens facility, on the south by Swann Park, on the east by Race Street, and on the west by the Middle Branch of the Patapsco River. In addition, two elevated spans of Interstate 95 (I-95) oriented from east to west overlie the Site on the northern half of the property. A chain-link security fence is present at the perimeter of the Site. The Site has no onsite building structures and is currently vacant.

Controlled hazardous substances (CHS) are contained on the Site and covered with an engineered cap consisting of the following materials from top to bottom: asphalt, gravel base, and compacted clay. Cap maintenance is ongoing. Additional information regarding the Site is provided in several documents, including the May 23, 2007, Consent Order; the "Site Characterization Work Plan," dated September 2007; the "Site Characterization Report," dated September 2009; the "Near Shore Investigation Report," dated December 2009; and the "Interim Remedial Measures Assessment Investigation and Pilot Test Report," dated July 2012.

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Quarter in Review

Site-related activities performed during the third quarter of 2014 include the following:

- July 8: Monthly Site status call with MDE;
- July 24: Monthly Site status inspection (Appendix A);
- July 30: Second Quarter 2014 Site Progress report submitted;
- August 12: Monthly Site status call with MDE;
- August 21: Monthly Site status inspection (Appendix A);
- September 16: Monthly Site status call with MDE;
- September 12: on-site meeting with paving contractor to scope surface cover maintenance work including
 paving of the sink hole; seal cracks in asphalt cove, repair select areas of the perimeter fence, and vegetation
 removal across the site, as needed;
- September 24: Monthly Site status inspection; wash water discharge containing concrete/grout slurry from bridge maintenance activities were observed on the ground surface during the site visit (Appendix A) (MDE representatives were on-site during the site visit which served as notification to the agency);
- September 25: City notified MdTA of the wash water discharge containing grout on the asphalt surface; MdTA initiated measures to contain and cleanup the released grout material; and
- September 30: COB provided notice to proceed to paving contractor to mobilize to the site to begin cap maintenance and vegetation control activities.

Interim Remedial Measure treatability evaluations progressed during the quarter with a focus on geochemical modeling.

Upcoming Work and Submittals during the Fourth Quarter of 2014

The following activities and submittals are anticipated to occur in the upcoming quarter:

- October, November, December: Conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Perform cap maintenance activities including crack sealing, vegetation removal, and paving the sink hole;
- Perform quarterly inclinometer readings;
- Submit the Fourth Quarter 2014 Site Status report to MDE by January 30, 2014.

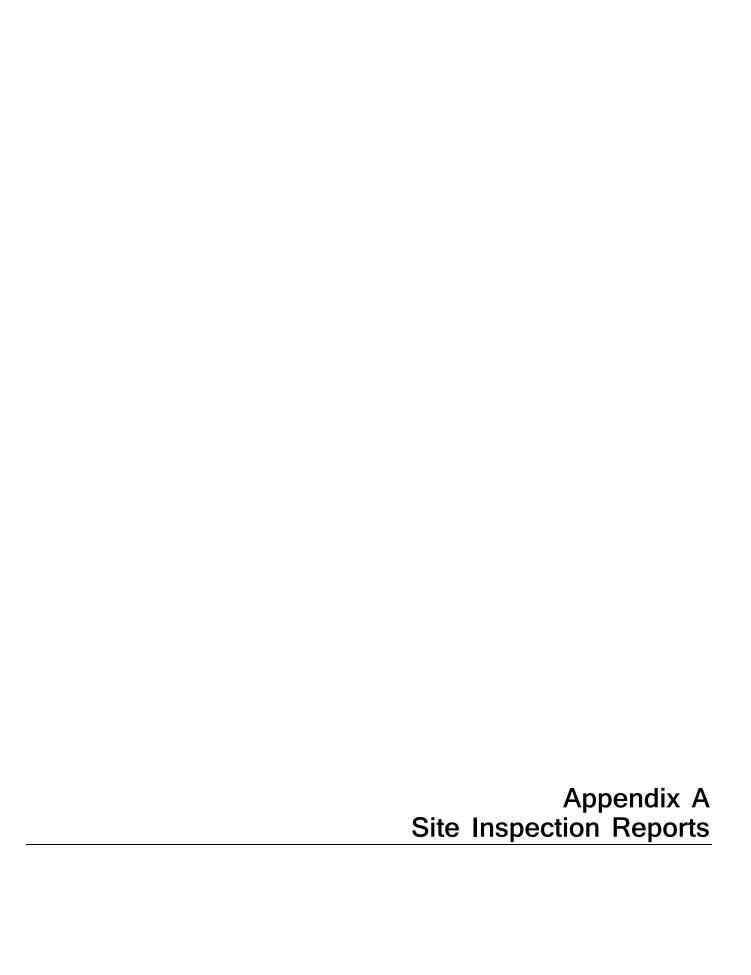
Continue IRM treatability evaluations with a focus on geochemical and hydrodynamic modeling calculations.

It is anticipated that MdTA will issue advertisement for Contract No. FT2771 for I-95 and I-395 work on November 7, 2014.

Schedule

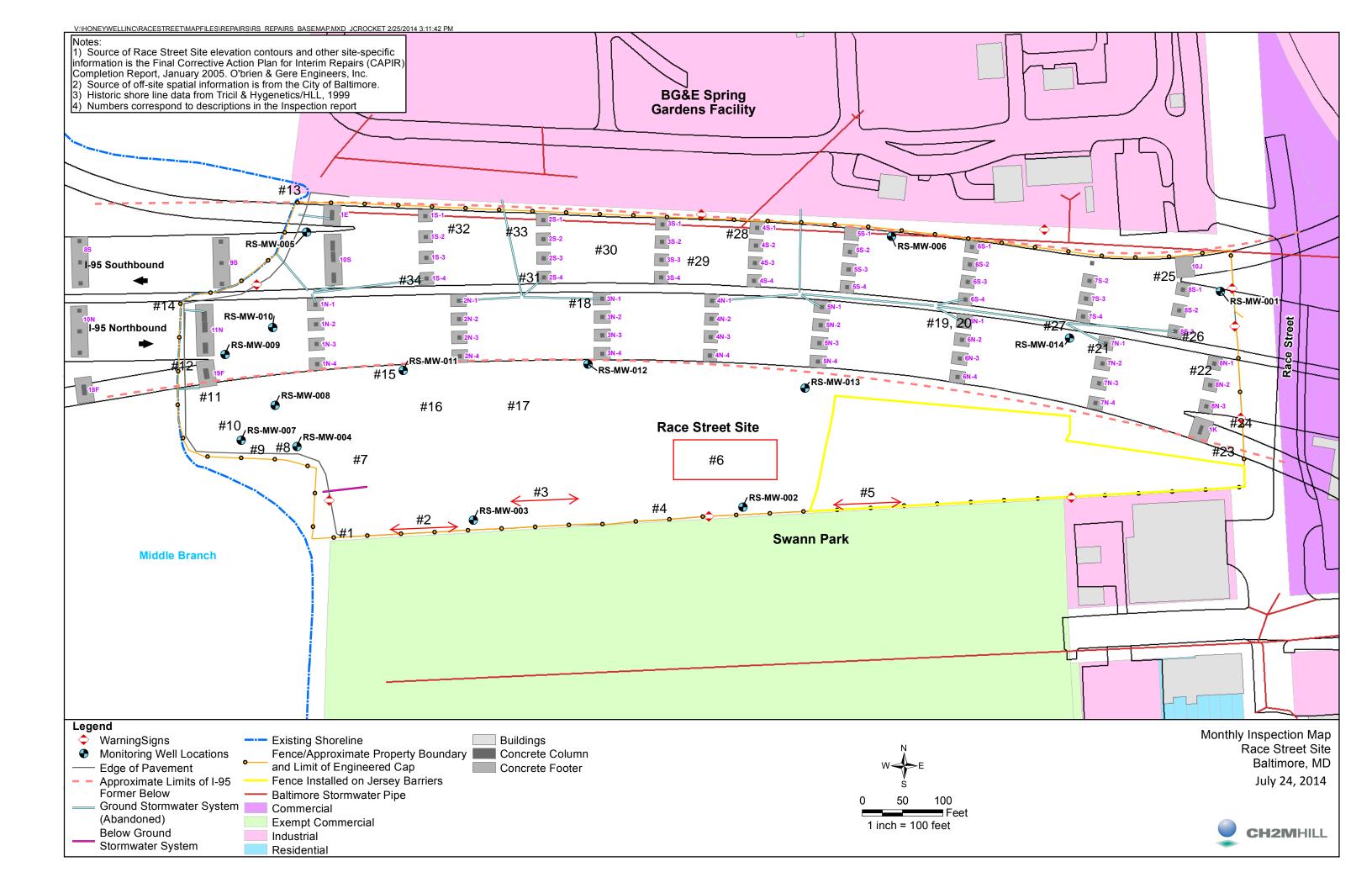
A schedule of Consent Order activities anticipated during the fourth quarter of 2014 is provided below.

Milestone	Anticipated Date
October 2014	
Perform surface cover maintenance activities (mobilization)	10-1-14
Quarterly inclinometer readings	10-11-14
Perform monthly Site status inspection	10-23-14
Submit third quarter 2014 Site Status Report	10-30-14
Submit Bridge Monitoring Report (1st half of 2014 monitoring period	TBD
November 2014	
Perform monthly Site status inspection	TBD
December 2014	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD



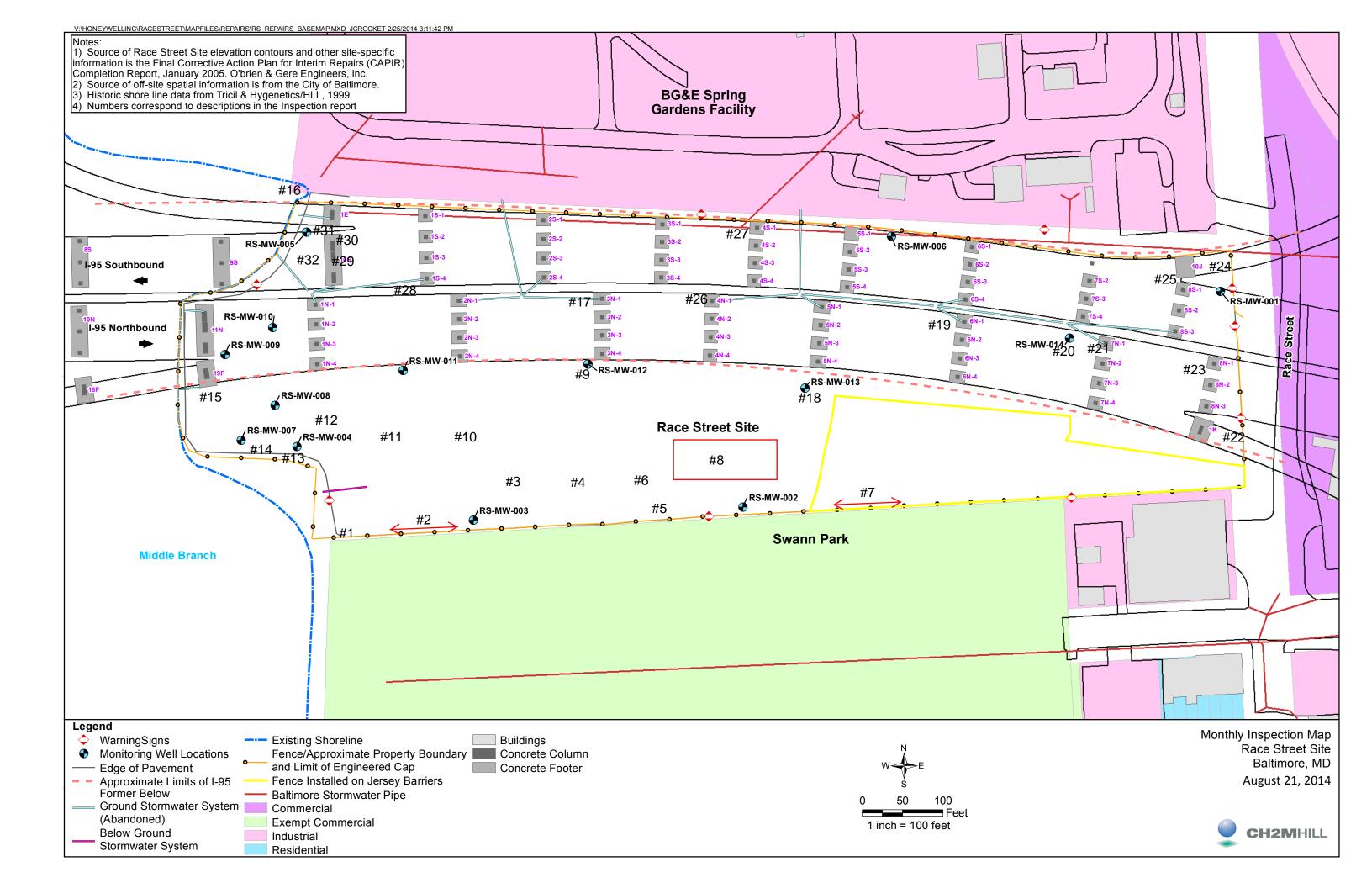
Inspector:	Bill Morris	Date of Inspection:	24-Jul-14	
Title:	Environmental Engineer	Date of Last Inspection:		19-Jun-14
Organization:	CH2M HILL	Weather:		Overcast, warm
O'te been estern	Paradia			
Site Inspection		Astissas Talesas	Data Camalatad	O a marga and a /A delition and Observations
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General	22. Troop and debrie	Mono	INIA	City porformed city wide cleanup during June 2014
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).		None	NA	City performed site-wide cleanup during June 2014 and will schedule future periodic trash cleanups.
Inspect site for presence of vegetation. Identify estimated amount and location of vegetation via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	11: Vegetation around footings	Area identified for site maintenance.		City is planning to perform site maintenance including vegetation control during Q4 2014.
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
3. Engineered Cap				
Inspect cap for alligator cracking. Identify estimated area of cracking and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	6: Alligator cracking with localized ponding 16, 17: Alligator cracking	Area identified for site maintenance.	TBD	City is planning to perform surface cover maintenance including crack sealing during Q4 2014.
Inspect cap for holes. Identify number of holes, width and depth, and location via description of on Site Plan (attach to Monthly Site Inspection Checklist)	8: hole in asphalt with vegetation.	Area identified for site maintenance.	TBD	City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for cracks less than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	3: Surface crack with vegetation	Area identified for site maintenance.	TBD	City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	7: Surface crack with vegetation	Area identified for site maintenance.	TBD	City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for any signs of ponding of water	9, 30: Localized area with ponding water	Area identified for site maintenance.	TBD	City is planning to perform surface cover maintenance during Q4 2014.
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	24: Erosion at top of slope 28: Sinkhole repair	Area identified for site maintenance.		City is planning to perform surface cover maintenance during Q4 2014.
4. Fence		•	•	

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Site Inspection			15.0	
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	1: Hole in fence	City representative notified.	7/29/2014	City of Baltimore is planning to perform site maintenance including fence repair during Q4 2014.
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	NA
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage	None	None	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	2, 5, 32: Vegetation along fence	None		City of Baltimore planning to apply herbicide and remove vegetation from cracks in asphalt surface during Q4 2014.
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Stormwater Conveyance System	i		1	
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	4: Localized degradation of asphalt curb. 12, 19, 20, 25: Missing water downspout. 14: Dried grout material at downspout outlet. 19, 21, 22, 26, 31, 34: Disconnected storm water conveyance pipe for the I-95 overpass.	MDTA is in the process of conducting bridge maintenance.	TBD	MDTA is performing bridge maintenance during Q3 and Q4 2014.
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage		1		
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items	<u>I</u>	I.	1	<u>I</u>
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	Josh Floyd of ERM was on site for the month	ly inspection.		
Other Comments/Observations?	13: Burrow hole at edge of cap; 10, 15, and 27 - Bent bollards around existing monitoring wells			



Inspector:	Bill Morris	Date of Inspection:	21-Aug-14	
Title:	Environmental Engineer	Date of Last Inspection:	24-Jul-14	
Organization:	CH2M HILL	Weather:	Overcast, warm	
Site Inspection	Pagulto			
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect site for presence of surface debris. Identify	24: Trash and debris	None	NA	City performs periodic trash cleanups.
type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).				ony ponomia ponodia nadin diadinapa.
Inspect site for presence of vegetation. Identify	None	None	NA	NA
estimated amount and location of vegetation via description or on Site Plan (attach to Monthly Site Inspection Checklist)				
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
3. Engineered Cap	Taranta and an incident		I	
Inspect cap for alligator cracking. Identify estimated area of cracking and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	8,10,11, 32: Alligator cracking on the asphalt surface	Areas identified for site maintenance.	TBD	City is planning to perform surface cover maintenance during Q4 2014.
Inspect cap for holes. Identify number of holes, width and depth, and location via description of on Site Plan (attach to Monthly Site Inspection Checklist)	14: two small holes in the asphalt with vegetation 30: Hole in the asphalt near pile cap	Areas identified for site maintenance.		City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for cracks less than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	6, 12: Surface crack with vegetation	Areas identified for site maintenance.		City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	3, 4, 15: Surface crack with vegetation	Areas identified for site maintenance.		City is planning to perform surface cover maintenance and vegetation control during Q4 2014.
Inspect cap for any signs of ponding of water	28: Localized ponding water on asphalt surface	Areas identified for site maintenance.		City is planning to perform surface cover maintenance during Q4 2014.
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	22: Erosion at top of the slope 27: Sinkhole	Areas identified for site maintenance.		City is planning to perform surface cover maintenance during Q4 2014.
4. Fence			I	

Site Inspection	Results			
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	1: Hole in the fence.	Assessment conducted by City's contractor.	8/21/2014	City is planning to perform site maintenance during Q4 2014.
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	NA
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage				
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	2, 7: Vegetation growth along the fence	Assessment conducted by City's contractor.	8/21/2014	City is planning on performing vegetation control as part of site maintenance during Q4 2014.
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Storm water Conveyance System	n	1	· I	
Inspect aboveground storm water conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	5: Localized degradation of asphalt curb 17, 19, 21, 23, 25: Missing or disconnected storm water downspout 19, 21, 23: Disconnected storm water conveyance pipe on the I-95 overpass	Areas identified for site maintenance.	TBD	City is planning to perform surface cover repairs during Q4 2014. MDTA is performing bridge maintenance during Q3 and Q4 2014.
6. Vandalism	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·	
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage	,		1	
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)		None	NA	NA
8. Miscellaneous Items			<u> </u>	
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	Josh Floyd of ERM and Jim Leizear of MDE	were on site during the monthly insp	ection.	
Other Comments/Observations?	9,13,18, 20: Bent bollard around well head 16: Borrow hole near outfall structure 26: Construction material wash water at storm water downspout 29, 31: Grout wash water observed across asphalt paved ground surface from bridge maintenance activities. MDE personnel were onsite during site visit and MdTA immediately notified whereby they dispatched contractors to contain and cleanup wash water and grout residue.			



Inspector:	Bill Morris	Date of Inspection:	24-Sep-14	
Title:	Environmental Engineer	Date of Last Inspection:	21-Aug-14	
Organization:	CH2M HILL	Weather:		Cool, Cloudy
Site Inspection				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General	T		_	
Inspect site for presence of surface debris. Identify	None	None	NA	NA
type, approximate volume of debris, and location via				
description or on Site Plan (attach to Monthly Site				
Inspection Checklist).				
Inspect site for presence of vegetation. Identify	None	None	NA	NA
estimated amount and location of vegetation via				
description or on Site Plan (attach to Monthly Site				
Inspection Checklist)				
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify	None	None	NA	NA
settlement off-set from grade and location via				
description or on Site Plan (attach to Monthly Site				
Inspection Checklist)				
Inspect around pier footings for joint failure. Identify	None	None	NA	NA
location via description or on Site Plan (attach to				
Monthly Site Inspection Checklist)				
3. Engineered Cap				
Inspect cap for alligator cracking. Identify estimated	14, 15, 18: Alligator cracking	Areas identified for site	TBD	City is planning to perform surface cover
area of cracking and location via description or on		maintenance.		maintenance during Q4 2014.
Site Plan (attach to Monthly Site Inspection				
Checklist)				
Inspect cap for holes. Identify number of holes, width	7: two holes in the asphalt with vegetation	Areas identified for site	TBD	City is planning to perform surface cover
and depth, and location via description of on Site	31: Hole in the asphalt near pile cap	maintenance.		maintenance including vegetation control during Q4
Plan (attach to Monthly Site Inspection Checklist)	· · ·			2014.
Inspect cap for cracks less than 0.5 inches wide.	2, 4, 6, 9, 29: Surface cracks with vegetation	Areas identified for site	TBD	City is planning to perform surface cover
Note number of cracks. Identify location of cracks via		maintenance.		maintenance including vegetation control during Q4
description or on Site Plan (attach to Monthly Site				2014.
Inspection Checklist).				
Inspect cap for cracks greater than 0.5 inches wide.	10: Vegetation growth at base of pile cap	Areas identified for site	TBD	City is planning to perform surface cover
Note number of cracks. Identify location of cracks via		maintenance.		maintenance including vegetation control during Q4
description or on Site Plan (attach to Monthly Site				2014.
Inspection Checklist).				
Inspect cap for any signs of ponding of water	30: localized ponding of water following	Areas identified for site	TBD	City is planning to perform surface cover
	precipitation events	maintenance.		maintenance during Q4 2014.
Inspect shorefront embankment for evidence of	None	None	NA	NA
erosion or releases				
Identify any other observations related to the	None	None	NA	NA
condition of the cap and potential for cap damage	110110	110.10		
on and out and potential for cap darriage				
4 Fance		l	<u> </u>	
4. Fence				

Site Inspection	Results			
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	5: Hole in the fence	Areas identified for site maintenance.	TBD	City is planning to repair the fence as part of scheduled site maintenance during Q4 2014.
Inspect fence to determine if there is any erosion compromising the integrity of the fence	25: Localized erosion at cap edge	Areas identified for site maintenance.	TBD	City is planning to perform surface cover maintenance during Q4 2014.
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage				
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	1: Vegetation growth along the fence	Areas identified for site maintenance.		City is planning to perform vegetation control as part of site maintenance during Q4 2014.
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Storm water Conveyance System	<u> </u>		•	
Inspect aboveground storm water conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	11, 22, 28: Construction material wash water from a storm water downspout 16, 21, 24, 27: Missing or disconnected storm water downspout 20, 23, 26: Disconnected storm water conveyance pipe for the I-95 overpass	MDTA maintenance activities resumed.	9/11/2014	MDTA is performing bridge maintenance during Q3 and Q4 2014. MDTA has directed its contractor to complete a cleanup of residual grout material on the asphalt paved surface.
6. Vandalism	, , , , , , , , , , , , , , , , , , , ,		L	
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage			•	
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items		•	,	
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	Josh Floyd of ERM and Jim Leizear of MDE were on site for the monthly inspection. MDTA's contractor was on site conducting maintenance activities on the I-95 overpass.			
Other Comments/Observations?	8, 13, 17 19, 22: Bent bollard around well head 12: hole in cap near outfall structure 32: Grout and construction material wash water from bridge maintenance activities observed on asphalt surface (MdTA's contractor is in the process of cleaning up residual materials on asphalt surface).			

