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April 9, 2020

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014

Re: Quarterly Progress Report – 1st Quarter 2020
Harriman Inactive Waste Disposal Site #336006

Dear Mr. Amin:

On behalf of Warner Lambert LLC and Cambrex Corporation (Parties), this letter and inspection reports provide the first quarter of 2020 project progress report for the Harriman Site, located in Harriman, New York (Harriman Site). The NYSDEC had previously designated Michael Mason as its project manager for progress report submittals required by the Consent Decree governing this project, and this designation has not been formally changed. However, in an electronic mail message dated June 13, 2019, the NYSDEC advised the Parties that you have taken on the role of the Harriman site project manager and, therefore, this progress report has been addressed accordingly. Due to the presence of other remediation programs and voluntary investigative work being performed at the site, this report includes activities that are beyond the scope of the Parties' obligations under the Consent Decree.

Site Remediation Activities Performed (October – December 2019)

- The biosparging system was shut down on September 10, 2008 in accordance with the Supplemental Remedial Action Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC) on June 18, 2008, and remained off line through the fourth quarter of 2019, per recommendations in prior quarterly reports to the NYSDEC. Because the system was off line, no routine operation and maintenance was necessary during the reporting period. The building housing the biosparge system remains locked and in generally good condition. As reported in the first quarter of 2016 progress report, the biosparge system sustained limited damage during the site demolition activities and with some repairs operation of the system could be restored in the future, if there were a need for the system to be brought back on line.
- The interim cover along the West Branch of the Ramapo River was evaluated as a part of a site inspections performed on February 19, 2020. The interim cover remains in good condition. The cover vegetation is stable, well vegetated, and there are no signs of erosion. Representative photos are attached.
- The parking lot pavement remains generally intact and functioning as a cover. Pothole repairs were last made by ELT-Harriman, LLC in August 2019. During the February 19,

2020 inspection the parking area was observed to be in generally good condition with 14 small to midsize potholes observed at random locations across the parking lot. The holes have not noticeably increased in size as compared to the last inspection. Representative photos of several of these potholes are attached for reference.

- The quarterly well inspection report is also attached for reference. The monitoring well network in the routine five-quarter monitoring program remains in good condition and functional as noted in the attached summary tabulation from the February 19, 2020 inspection. A few wells in the parking lot that were covered with crushed shale during the last inspection were located and uncovered.
- As described in the second quarter 2016 progress report, product was not observed on the absorbent socks in wells SVE-1, SVE-3, SVE-4, and VER-2 during the December 2015 and March 2016 inspections; therefore, the absorbent socks were removed during the June 2016 inspection, with the intent of checking the wells for sheen or product without the absorbent socks present. Since removal of the absorbent socks in June 2016, the wells have been checked during each inspection for evidence of product or sheen, both visually and with an interface probe, and during the April 2017 inspection, an absorbent sock was placed in VER-2 based on an observed sheen, and an absorbent sock remains in this well as noted in the attached inspection report. Wells SVE-1, SVE-3, and SVE-4 continue to not have any evidence of product or sheen and, therefore, the Parties have discontinued the use of absorbent socks in these wells. During the February 19, 2020 inspection, neither product or sheen was observed in any of the SVE or VER wells. Cornerstone, on behalf of the Parties, previously sent a separate letter to the NYSDEC documenting the request to modify the use of absorbent socks.
- In the first quarter of 2012 progress report, the Parties requested that following the April 2012 groundwater sampling event the sampling program be modified to an annual frequency, based on the consistency of the groundwater monitoring data since 2008 when the biosparge system was shut down. Following this request in the April 2012 quarterly progress report, the NYSDEC approved modifying the groundwater monitoring frequency to every five quarters. This approval was provided in an electronic mail message from the NYSDEC to Cornerstone dated May 10, 2012. The NYSDEC approved the frequency of every five quarters, in lieu of annually, so that the groundwater monitoring would occur at different times throughout the year. The list of monitoring wells to be sampled and analytical parameters remain unchanged. The sixth five-quarter routine sampling event was completed during the period of December 11-13, 2019, and the results were reported in the fourth quarter 2019 progress report. To date, the monitoring data have consistently demonstrated that since shut down of the biosparging system, there is no evidence of an expansion of the plume or exceedance of groundwater quality standards at the down-gradient perimeter. Therefore, groundwater monitoring in accordance with the current program is anticipated to continue, and the next sampling event is scheduled for the first quarter of 2021.
- The IRM groundwater extraction system components remain off-line on standby per the NYSDEC's approval pending the completion of the Supplemental Remedial Action Work Plan, including continued groundwater monitoring, and evaluation of the

appropriateness of an ESD. Because of the ELT-Harriman, LLC demolition work, the groundwater extraction system components have been dismantled, but the system can be restored, if necessary.

Parking Lot and Other

As of May 14, 2010, the Parties had concluded all work and information transfer requested by the NYSDEC in connection with sampling and delineation of the calcium sulfate material in the Area B parking lot. The Parties, in conjunction with ELT-Harriman, LLC submitted a *Site-Wide Characterization Summary Report* on March 7, 2011. The Parties conduct both quarterly parking lot and riverbank inspections.

Separately, Nepera, Inc. and Warner-Lambert Company entered into a Stipulation and Order with the NYSDEC for a supplemental remedial investigation and feasibility study for portions of the Harriman Site, which was filed with the Court on December 17, 2013 and so-ordered by the Court on January 24, 2014.

As a supplemental effort outside the scope of the Consent Decree and the Stipulation and Order, the Parties and ELT-Harriman are coordinating with the NYSDEC on the preparation of a sampling work plan for emerging contaminants. A site meeting was held with representatives of the Parties, ELT-Harriman and NYSDEC to tour the site, observe current conditions and answer questions as applicable. A draft work plan was submitted to NYSDEC on August 1, 2019 and the NYSDEC provided comments via letter dated September 3, 2019. The Parties and ELT-Harriman acknowledged receipt of the comments and intent to revise the work plan in response to the comments by letter dated September 17, 2019. A revised Work Plan was submitted on October 2, 2019 and was subsequently approved by the NYSDEC by letter dated October 15, 2019. A schedule for implementation of the approved work plan was submitted on October 21, 2019 and field work associated with collection of soil samples for emerging contaminant analysis was completed January 8 through 10, 2020. In accordance with the approved Work Plan, a Work Plan Addendum was submitted on March 10, 2020. The Work Plan Addendum presents the results of the soil sampling and a proposed work plan for the investigation of emerging contaminants in groundwater. The groundwater investigation will be implemented following approval from NYSDEC to proceed.

Representatives of the Parties and ELT-Harriman met with representatives of NYSDEC in Albany on October 22, 2019 to provide an overview of the various investigations and reports completed for the site to date and discuss the next steps required to progress with completion of Feasibility Study Report and closure of the site. Copies of the presentation made by the Parties and ELT-Harriman, as well as a reference list of completed reports and a summary of the site chronology were provided to the Department for future reference.

In November 2019, through a series of conference calls and emails, NYSDEC requested the completion of summary tables of analytical data by media, for samples collected to date. An outline of anticipated tables was provided by email dated December 19, 2019, with additional clarification provided by NYSDEC by email dated December 20, 2019. The Parties and ELT-Harriman are currently working on compiling the requested tables and figures.

By letter dated December 6, 2019, NYSDEC provided comments on certain submissions, including matters relevant to the Parking Lot Feasibility Study. The Parties and ELT-Harriman jointly responded to the comments by letter from Brown & Caldwell Associates on January 17, 2020.

Activities for the 2nd Quarter 2020 (April – June 2020)¹

- Perform the regularly scheduled, quarterly monitoring well, parking lot, and riverbank inspections.
- Perform parking lot maintenance as needed.
- Implement the emerging contaminant groundwater investigation following approval of the proposed scope of work by NYSDEC.
- Prepare data summary tables requested by NYSDEC.

Please do not hesitate to contact us should you have questions or comments on any aspect of this progress report.

Sincerely,

Cornerstone Engineering, Geology, and Land Surveying, PLLC

A handwritten signature in black ink, appearing to read "Timothy Roeper".

Timothy R. Roeper, P.G.
Client Services Manager

Enclosures: Inspection Reports

cc: S. Levine
C. Clark
J. Jones
M. Robinson
K. Carpenter

¹ "Subject to any delays or extensions which may be warranted by Governor's Executive Order No. 202 et seq or otherwise"

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 2/19/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-1S*	6	Stickup	OK	OK	OK	OK	OK	OK		
MW-2S	4	Stickup	OK	OK	OK	OK	OK	D	Casing is sheared off a few feet below top of ground.	No repair planned, well not in use, possible future abandonment
MW-3S	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-4S	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-5S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-7S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind chain link fence that leads up to the river bank. Well marked off with reflector and survey tape.	
MW-8S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-9S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-11S*	4	Stickup	OK	OK	OK	OK	OK	OK	Caution: field mouse nest	
MW-12S*	2	Flushmount	OK	OK	OK	OK	OK	OK	Caution: field mouse nest	
MW-13S	2	Flushmount	OK	OK	OK	OK	OK	OK	Caution: field mouse nest	
MW-16S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-20S*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-24S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-25S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-27S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-33S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-35S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
OW-6	2	Stickup	OK	OK	OK	OK	OK	OK		
OW-7*	2	Stickup	OK	OK	OK	OK	OK	D	PVC inside well casing is detached.	Exercise care when removing plug for sampling so as not to detach casing.
R-1	6		NI	NI	NI	NI	NI	NI	Well no longer exists	
RW-1**	6	Vault	NI	NI	NI	NI	NI	NI		

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 2/19/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
RW-1R*	6	Vault	OK	OK	OK	OK	OK	OK		
MW-53D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-1	2	Stickup	OK	OK	OK	OK	OK	OK		
PZ-2	2	Flushmount	OK	OK	OK	OK	OK	OK	Well abandoned	
PZ-3	2	Flushmount	D	OK	OK	OK	OK	OK	Well located under gravel	Collar still secure
MW-15S	4	Stickup	OK	OK	OK	OK	OK	OK	Well abandoned	
MW-17S	4	Stickup	OK	OK	OK	OK	OK	D	Outer and inner casing repaired	New lock placed on outer casing.
MW-19S	4	Stickup	OK	OK	OK	OK	OK	D	Well abandoned	
MW-22S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-28S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-29S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-34	2	Flushmount	OK	OK	OK	OK	OK	OK	Can not access well due to placement of new faceplate.	Well not in use, no repair planned
MW-35AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36AQ	2	Flushmount	OK	OK	OK	OK	OK	OK	Well located under gravel	
MW-37AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-53S	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-4	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-6D*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind a chain link fence that leads upto the river bank. Well marked off with reflector and survey tape.	
MW-10D	6	Stickup	OK	OK	X	OK	OK	OK	No plug, tubing is tied off inside of well, Inner casing too far down to plug.	
MW-18D	6	Stickup	OK	OK	X	OK	OK	OK	Inner casing too far down to plug.	No repair planned, well not in use, possible future abandonment. New lock placed on outer casing.
MW-20D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23D(1)*	4	Stickup	OK	OK	OK	OK	OK	OK		

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 2/19/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-25D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26D*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-27D*	6	Stickup	OK	OK	OK	OK	OK	OK		
R-2D	10	Stickup	NI	NI	NI	NI	NI	NI	Shed removed	Well not In use
R-3D	10	Stickup	OK	OK	X	X	OK	OK	Large metal plate covering well	
MW-101*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-102*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-103*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-104*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-105*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-106*	2	Stickup	OK	OK	OK	OK	OK	OK		
20 DR*	2	Flushmount	OK	OK	OK	OK	OK	OK		

Field Technician: Dan Wheeler

(1) Off-Site Wells.

(2) Erosion Evaluation Wells

** RW-1 was replaced by RW-1R

X = Item Missing

B = Bolts Missing

NI = NOT INSPECTED

D = Damaged

OK = Acceptable Condition

*Part of Monitoring Program

**RIVERBANK INSPECTION FORM
WEST BRANCH OF THE RAMAPO RIVER
MAYBROOK AND HARRIMAN TRUST
HARRIMAN, NEW YORK**

DATE: 19-Feb-20

INSPECTION (Check): ANNUAL

INSPECTOR: Dan Wheeler

QUARTERLY X

STATUS

COMMENTS

IRM COVER AND SILT FENCE

A. General condition of cover material	<u>Good</u>	Riverbank cover in good condition, no signs of erosion, no white material showing. (pictures included).
B. Settlement of covered area	<u>Adequate</u>	Small potholes (14) observed in parking lot area, although pavement cover generally remains intact. Photos attached.
C. General condition of silt fence	<u>N/A</u>	Silt fence has been removed from stream bank per NYSDEC approval on January 12, 2016.

SVE/VER Product Measurement Checklist

Recorded By:

Dan Wheeler

Date:

2/19/2020

DTP	DTW
0	0.51
0	2.85
0	2.12
0	2.22*



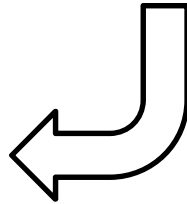
SVE-1
SVE-2
SVE-3
SVE-4



VER-1
VER-2
VER-3
VER-4

DTP	DTW
0	4.24
0	4.37
0	3.91
0	3.96

To Entrance/Exit



NOTE: SVE wells are closer to the side of the road.

VER-1 and SVE-1 are both 4" wells. All others are 2" diameter.

 Indicates absorbent sock in well.

Comments:

Wells checked for potential presence of product after absorbent socks removed.

Absorbent sock at 50% capacity at VER-2. Absorbent sock not replaced.

Presence of product or sheen not observed in remaining wells.

* Bottom of SVE-4 partially filled in during prior demolition work. (Bottom at 2.95 ft)

Representative Stream Bank Photos – February 19, 2020









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July 15, 2020

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014

Re: Quarterly Progress Report – 2nd Quarter 2020
Harriman Inactive Waste Disposal Site #336006

Dear Mr. Amin:

On behalf of Warner Lambert LLC and Cambrex Corporation (Parties), this letter and inspection reports provide the second quarter of 2020 project progress report for the Harriman Site, located in Harriman, New York (Harriman Site). The NYSDEC had previously designated Michael Mason as its project manager for progress report submittals required by the Consent Decree governing this project, and this designation has not been formally changed. However, in an electronic mail message dated June 13, 2019, the NYSDEC advised the Parties that you have taken on the role of the Harriman site project manager and, therefore, this progress report has been addressed accordingly. Due to the presence of other remediation programs and voluntary investigative work being performed at the site, this report includes activities that are beyond the scope of the Parties' obligations under the Consent Decree.

Site Remediation Activities Performed (April – June 2020)

- The biosparging system was shut down on September 10, 2008 in accordance with the Supplemental Remedial Action Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC) on June 18, 2008, and remained off line through the second quarter of 2020, per recommendations in prior quarterly reports to the NYSDEC. Because the system was off line, no routine operation and maintenance was necessary during the reporting period. The building housing the biosparge system remains locked and in generally good condition. As reported in the first quarter of 2016 progress report, the biosparge system sustained limited damage during the site demolition activities and with some repairs operation of the system could be restored in the future, if there were a need for the system to be brought back on line.
- The interim cover along the West Branch of the Ramapo River was evaluated as a part of a site inspections performed on June 30, 2020. The interim cover remains in good condition. The cover vegetation is stable, well vegetated, and there are no signs of erosion. Representative photos are attached.
- The parking lot pavement remains generally intact and functioning as a cover. Pothole repairs were last made by ELT-Harriman, LLC in June 2020. During the June 30, 2020

inspection the parking area was observed to be good condition with 3 small to midsize potholes observed at random locations across the parking lot. Representative photos of the observed potholes are attached for reference.

- The quarterly well inspection report is also attached for reference. The monitoring well network in the routine five-quarter monitoring program remains in good condition and functional as noted in the attached summary tabulation from the June 30, 2020 inspection.
- As described in the second quarter 2016 progress report, product was not observed on the absorbent socks in wells SVE-1, SVE-3, SVE-4, and VER-2 during the December 2015 and March 2016 inspections; therefore, the absorbent socks were removed during the June 2016 inspection, with the intent of checking the wells for sheen or product without the absorbent socks present. Since removal of the absorbent socks in June 2016, the wells have been checked during each inspection for evidence of product or sheen, both visually and with an interface probe, and during the April 2017 inspection, an absorbent sock was placed in VER-2 based on an observed sheen, and an absorbent sock remains in this well as noted in the attached inspection report. The sock in VER-2 was replaced during the June 30th inspection. Wells SVE-1, SVE-3, and SVE-4 continue to not have any evidence of product or sheen and, therefore, the Parties have discontinued the use of absorbent socks in these wells. During the June 30, 2020 inspection, neither product or sheen was observed in any of the SVE or VER wells. Cornerstone, on behalf of the Parties, previously sent a separate letter to the NYSDEC documenting the request to modify the use of absorbent socks.
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- The IRM groundwater extraction system components remain off-line on standby per the NYSDEC's approval pending the completion of the Supplemental Remedial Action Work Plan, including continued groundwater monitoring, and evaluation of the appropriateness of an ESD. Because of the ELT-Harriman, LLC demolition work, the

groundwater extraction system components have been dismantled, but the system can be restored, if necessary.

Parking Lot and Other

As of May 14, 2010, the Parties had concluded all work and information transfer requested by the NYSDEC in connection with sampling and delineation of the calcium sulfate material in the Area B parking lot. The Parties, in conjunction with ELT-Harriman, LLC submitted a *Site-Wide Characterization Summary Report* on March 7, 2011. The Parties conduct both quarterly parking lot and riverbank inspections.

Separately, Nepera, Inc. and Warner-Lambert Company entered into a Stipulation and Order with the NYSDEC for a supplemental remedial investigation and feasibility study for portions of the Harriman Site, which was filed with the Court on December 17, 2013 and so-ordered by the Court on January 24, 2014.

As a supplemental effort outside the scope of the Consent Decree and the Stipulation and Order, the Parties and ELT-Harriman are coordinating with the NYSDEC on the preparation of a sampling work plan for emerging contaminants. A site meeting was held with representatives of the Parties, ELT-Harriman and NYSDEC to tour the site, observe current conditions and answer questions as applicable. A draft work plan was submitted to NYSDEC on August 1, 2019 and the NYSDEC provided comments via letter dated September 3, 2019. The Parties and ELT-Harriman acknowledged receipt of the comments and intent to revise the work plan in response to the comments by letter dated September 17, 2019. A revised Work Plan was submitted on October 2, 2019 and was subsequently approved by the NYSDEC by letter dated October 15, 2019. A schedule for implementation of the approved work plan was submitted on October 21, 2019 and field work associated with collection of soil samples for emerging contaminant analysis was completed January 8 through 10, 2020. In accordance with the approved Work Plan, a Work Plan Addendum was submitted on March 10, 2020. The Work Plan Addendum presents the results of the soil sampling and a proposed work plan for the investigation of emerging contaminants in groundwater. The NYSDEC provided comments on the Work Plan Addendum by letter dated May 19, 2020 and the Parties and ELT-Harriman responded to the comments by letter dated June 2, 2020. A revised Work Plan Addendum was submitted on June 19, 2020 and subsequently approved by NYSDEC by letter dated June 23, 2020. The additional work called for in the Work Plan Addendum will be implemented during the third quarter of 2020.

Representatives of the Parties and ELT-Harriman met with representatives of NYSDEC in Albany on October 22, 2019 to provide an overview of the various investigations and reports completed for the site to date and discuss the next steps required to progress with completion of Feasibility Study Report and closure of the site. Copies of the presentation made by the Parties and ELT-Harriman, as well as a reference list of completed reports and a summary of the site chronology were provided to the Department for future reference.

In November 2019, through a series of conference calls and emails, NYSDEC requested the completion of summary tables of analytical data by media, for samples collected to date. An outline of anticipated tables was provided by email dated December 19, 2019, with additional

clarification provided by NYSDEC by email dated December 20, 2019. The Parties and ELT-Harriman completed the requested tables and figures and a link to download the files was sent via email dated May 6, 2020. A total of 22 tables and 4 figures were provided.

By letter dated December 6, 2019, NYSDEC provided comments on certain submissions, including matters relevant to the Parking Lot Feasibility Study. The Parties and ELT-Harriman jointly responded to the comments by letter from Brown & Caldwell Associates on January 17, 2020. In the May 6, 2020 email from Jeff Caputi of Brown & Caldwell transmitting the requested summary tables and figures (see above), a web-meeting was requested to discuss the outstanding issues needed to move forward with completing both the Parking Lot and Lagoon FS Reports. A web-meeting was held on June 18, 2020 and copies of the presentation and requested supporting information was sent via email dated June 19, 2020. The Parties and ELT-Harriman await the Department's response regarding any outstanding comments in order to move forward with completion of the Parking Lot and Lagoon FS Reports.

Activities for the 3rd Quarter 2020 (July – September 2020)¹

- Perform the regularly scheduled, quarterly monitoring well, parking lot, and riverbank inspections.
- Perform parking lot maintenance as needed.
- Implement the emerging contaminant groundwater investigation and additional soil sampling per the Work Plan Addendum approved for implementation on June 23, 2020.
- Move forward with the Parking Lot and Lagoon FS Reports pending the Departments response and resolution of any outstanding comments as discussed during the June 18, 2020 web-meeting.

Please do not hesitate to contact us should you have questions or comments on any aspect of this progress report.

Sincerely,

Cornerstone Engineering, Geology, and Land Surveying, PLLC



Timothy R. Roeper, P.G.
Client Services Manager

Enclosures: Inspection Reports

cc: S. Levine

¹ "Subject to any delays or extensions which may be warranted by Governor's Executive Order No. 202 et seq or otherwise"

C. Clark
J. Jones
M. Robinson
K. Carpenter

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 6/30/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-1S*	6	Stickup	OK	OK	OK	OK	OK	OK		
MW-2S	4	Stickup	OK	OK	OK	OK	OK	D	Casing is sheared off a few feet below top of ground.	No repair planned, well not in use, possible future abandonment
MW-3S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-4S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-5S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-7S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind chain link fence that leads up to the river bank. Well marked off with reflector and survey tape.	
MW-8S*	4	Stickup	OK	OK	OK	OK	OK	OK	Caution: mouse nest	
MW-9S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-11S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-12S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-13S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-16S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-20S*	4	Flushmount	OK	OK	OK	OK	OK	OK	Caution: mouse nest	
MW-21S	4	Stickup	OK	OK	OK	OK	OK	OK	Caution: Yellow jacket nest	
MW-24S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-25S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-27S	4	Stickup	OK	OK	OK	OK	OK	OK		
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MW-35S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
OW-6	2	Stickup	OK	OK	OK	OK	OK	OK		
OW-7*	2	Stickup	OK	OK	OK	OK	OK	D	PVC inside well casing is detached.	Exercise care when removing plug for sampling so as not to detach casing.
R-1	6		NI	NI	NI	NI	NI	NI	Well no longer exists	

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 6/30/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
RW-1**	6	Vault	NI	NI	NI	NI	NI	NI		
RW-1R*	6	Vault	OK	OK	OK	OK	OK	OK	Caution: snakes	
MW-53D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-1	2	Stickup	OK	OK	OK	OK	OK	OK		
PZ-2	2	Flushmount	OK	OK	OK	OK	OK	OK	Well abandoned	
PZ-3	2	Flushmount	D	OK	OK	OK	OK	OK		Collar still secure
MW-15S	4	Stickup	OK	OK	OK	OK	OK	OK	Well abandoned	
MW-17S	4	Stickup	OK	OK	OK	OK	OK	D	Outer and inner casing repaired	New lock placed on outer casing.
MW-19S	4	Stickup	OK	OK	OK	OK	OK	D	Well abandoned	
MW-22S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-28S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-29S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-34	2	Flushmount	OK	OK	OK	OK	OK	OK	Can not access well due to placement of new faceplate.	Well not in use, no repair planned
MW-35AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-53S	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-4	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-6D*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind a chain link fence that leads upto the river bank.	
MW-10D	6	Stickup	OK	OK	X	OK	OK	OK	No plug, tubing is tied off inside of well, Inner casing too far down to plug.	
MW-18D	6	Stickup	OK	OK	X	OK	OK	OK	Inner casing too far down to plug.	No repair planned, well not in use, possible future abandonment. New lock placed on outer casing.
MW-20D*	4	Flushmount	OK	OK	OK	OK	OK	OK		

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 6/30/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-21D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23D(1)*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-25D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26D*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-27D*	6	Stickup	OK	OK	OK	OK	OK	OK		
R-2D	10	Stickup	NI	NI	NI	NI	NI	NI	Shed removed	Well not In use
R-3D	10	Stickup	OK	OK	X	X	OK	OK	Large metal plate covering well	
MW-101*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-102*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-103*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-104*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-105*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-106*	2	Stickup	OK	OK	OK	OK	OK	OK		
20 DR*	2	Flushmount	OK	OK	OK	OK	OK	OK		

Field Technician: Dan Wheeler

(1) Off-Site Wells.

(2) Erosion Evaluation Wells

** RW-1 was replaced by RW-1R

X = Item Missing

B = Bolts Missing

NI = NOT INSPECTED

D = Damaged

OK = Acceptable Condition

*Part of Monitoring Program

**RIVERBANK INSPECTION FORM
WEST BRANCH OF THE RAMAPO RIVER
MAYBROOK AND HARRIMAN TRUST
HARRIMAN, NEW YORK**

DATE: 30-Jun-20

INSPECTION (Check): ANNUAL

INSPECTOR: Dan Wheeler

QUARTERLY X

		STATUS	COMMENTS
IRM COVER AND SILT FENCE			
A. General condition of cover material	<u>Good</u>		Riverbank cover in good condition, no signs of erosion, no white material showing. High vegetation on riverbank. (pictures included).
B. Settlement of covered area	<u>Adequate</u>		Potholes present in parking lot area, although pavement cover generally remains intact. (pictures included). 3 total potholes.
C. General condition of silt fence	<u>N/A</u>		Silt fence has been removed from stream bank per NYSDEC approval on January 12, 2016.

SVE/VER Product Measurement Checklist

Recorded By:

Dan Wheeler

Date:

6/30/2020

DTP	DTW
0	0.18
0	4.44
0	3.45
0	2.95



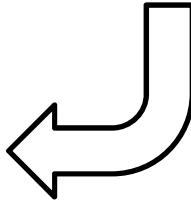
SVE-1
SVE-2
SVE-3
SVE-4



VER-1
VER-2
VER-3
VER-4

DTP	DTW
0	5.96
0	5.93
0	5.95
0	5.48

To Entrance/Exit



NOTE: SVE wells are closer to the side of the road.

VER-1 and SVE-1 are both 4" wells. All others are 2" diameter.



Indicates absorbent sock in well.

Comments:

Wells checked for potential presence of product after absorbent socks removed.

Absorbent sock at 75% capacity at VER-2. Absorbent sock replaced.

Presence of product or sheen not observed in remaining wells.

* Bottom of SVE-4 partially filled in during prior demolition work. (Bottom at 2.95 ft)

Representative Stream Bank Photos – June 30, 2020



Representative Photos of Potholes in Parking Lot – June 30, 2020



Representative Photos of Potholes in Parking Lot





100 Crystal Run Road, Suite 101, Middletown, NY 10941
T 877.294.9070 | F 845.692.5894 | W www.cornerstoneeg.com

October 15, 2020

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014

Re: Quarterly Progress Report – 3rd Quarter 2020
Harriman Inactive Waste Disposal Site #336006

Dear Mr. Amin:

On behalf of Warner Lambert LLC and Cambrex Corporation (Parties), this letter and inspection reports provide the third quarter of 2020 project progress report for the Harriman Site, located in Harriman, New York (Harriman Site). The NYSDEC had previously designated Michael Mason as its project manager for progress report submittals required by the Consent Decree governing this project, and this designation has not been formally changed. However, in an electronic mail message dated June 13, 2019, the NYSDEC advised the Parties that you have taken on the role of the Harriman site project manager and, therefore, this progress report has been addressed accordingly. Due to the presence of other remediation programs and voluntary investigative work being performed at the site, this report includes activities that are beyond the scope of the Parties' obligations under the Consent Decree.

Site Remediation Activities Performed (July – September 2020)

- The biosparging system was shut down on September 10, 2008 in accordance with the Supplemental Remedial Action Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC) on June 18, 2008, and remained off line through the second quarter of 2020, per recommendations in prior quarterly reports to the NYSDEC. Because the system was off line, no routine operation and maintenance was necessary during the reporting period. The building housing the biosparge system remains locked and in generally good condition. As reported in the first quarter of 2016 progress report, the biosparge system sustained limited damage during the site demolition activities and with some repairs operation of the system could be restored in the future, if there were a need for the system to be brought back on line.
- The interim cover along the West Branch of the Ramapo River was evaluated as a part of a site inspections performed on October 12, 2020. The interim cover remains in good condition. The cover vegetation is stable, well vegetated, and there are no signs of erosion. Representative photos are attached. The quarterly inspection was delayed by two weeks due to a scheduling error.

- The parking lot pavement remains generally intact and functioning as a cover. Pothole repairs were last made by ELT-Harriman, LLC in June 2020. During the October 12, 2020 inspection the parking area was observed to be good condition with 14 small to midsize potholes observed at random locations across the parking lot. Representative photos of the observed potholes are attached for reference.
- The quarterly well inspection report is also attached for reference. The monitoring well network in the routine five-quarter monitoring program remains in good condition and functional as noted in the attached summary tabulation from the October 12, 2020 inspection.
- As described in the second quarter 2016 progress report, product was not observed on the absorbent socks in wells SVE-1, SVE-3, SVE-4, and VER-2 during the December 2015 and March 2016 inspections; therefore, the absorbent socks were removed during the June 2016 inspection, with the intent of checking the wells for sheen or product without the absorbent socks present. Since removal of the absorbent socks in June 2016, the wells have been checked during each inspection for evidence of product or sheen, both visually and with an interface probe, and during the April 2017 inspection, an absorbent sock was placed in VER-2 based on an observed sheen, and an absorbent sock remains in this well as noted in the attached inspection report. The sock in VER-2 was replaced during the June 30th 2020 inspection. Wells SVE-1, SVE-3, and SVE-4 continue to not have any evidence of product or sheen and, therefore, the Parties have discontinued the use of absorbent socks in these wells. During the October 12, 2020 inspection, neither product or sheen was observed in any of the SVE or VER wells. Cornerstone, on behalf of the Parties, previously sent a separate letter to the NYSDEC documenting the request to modify the use of absorbent socks. The request to discontinue use of the adsorbent socks and quarterly inspections of all SVE and VER wells except for VER-2 was subsequently approved via email dated July 17, 2020.
- In the first quarter of 2012 progress report, the Parties requested that following the April 2012 groundwater sampling event the sampling program be modified to an annual frequency, based on the consistency of the groundwater monitoring data since 2008 when the biosparge system was shut down. Following this request in the April 2012 quarterly progress report, the NYSDEC approved modifying the groundwater monitoring frequency to every five quarters. This approval was provided in an electronic mail message from the NYSDEC to Cornerstone dated May 10, 2012. The NYSDEC approved the frequency of every five quarters, in lieu of annually, so that the groundwater monitoring would occur at different times throughout the year. The list of monitoring wells to be sampled and analytical parameters remain unchanged. The sixth five-quarter routine sampling event was completed during the period of December 11-13, 2019, and the results were reported in the fourth quarter 2019 progress report. To date, the monitoring data have consistently demonstrated that since shut down of the biosparging system, there is no evidence of an expansion of the plume or exceedance of groundwater quality standards at the down-gradient perimeter. Therefore,

groundwater monitoring in accordance with the current program is anticipated to continue, and the next sampling event is scheduled for the first quarter of 2021.

- The IRM groundwater extraction system components remain off-line on standby per the NYSDEC's approval pending the completion of the Supplemental Remedial Action Work Plan, including continued groundwater monitoring, and evaluation of the appropriateness of an ESD. Because of the ELT-Harriman, LLC demolition work, the groundwater extraction system components have been dismantled, but the system can be restored, if necessary.

Parking Lot and Other

As of May 14, 2010, the Parties had concluded all work and information transfer requested by the NYSDEC in connection with sampling and delineation of the calcium sulfate material in the Area B parking lot. The Parties, in conjunction with ELT-Harriman, LLC submitted a *Site-Wide Characterization Summary Report* on March 7, 2011. The Parties conduct both quarterly parking lot and riverbank inspections.

Separately, Nepera, Inc. and Warner-Lambert Company entered into a Stipulation and Order with the NYSDEC for a supplemental remedial investigation and feasibility study for portions of the Harriman Site, which was filed with the Court on December 17, 2013 and so-ordered by the Court on January 24, 2014.

As a supplemental effort outside the scope of the Consent Decree and the Stipulation and Order, the Parties and ELT-Harriman are coordinating with the NYSDEC on the preparation and implementation of a sampling work plan for emerging contaminants. A site meeting was held with representatives of the Parties, ELT-Harriman and NYSDEC to tour the site, observe current conditions and answer questions as applicable. A draft work plan was submitted to NYSDEC on August 1, 2019 and the NYSDEC provided comments via letter dated September 3, 2019. The Parties and ELT-Harriman acknowledged receipt of the comments and intent to revise the work plan in response to the comments by letter dated September 17, 2019. A revised Work Plan was submitted on October 2, 2019 and was subsequently approved by the NYSDEC by letter dated October 15, 2019. A schedule for implementation of the approved work plan was submitted on October 21, 2019 and field work associated with collection of soil samples for emerging contaminant analysis was completed January 8 through 10, 2020. In accordance with the approved Work Plan, a Work Plan Addendum was submitted on March 10, 2020. The Work Plan Addendum presents the results of the soil sampling and a proposed work plan for the investigation of emerging contaminants in groundwater. The NYSDEC provided comments on the Work Plan Addendum by letter dated May 19, 2020 and the Parties and ELT-Harriman responded to the comments by letter dated June 2, 2020. A revised Work Plan Addendum was submitted on June 19, 2020 and subsequently approved by NYSDEC by letter dated June 23, 2020. The additional work called for in the Work Plan Addendum was implemented during the third quarter of 2020 and preparation of the Emerging Contaminants Report is underway, with submittal to the Department planned in late November 2020.

Representatives of the Parties and ELT-Harriman met with representatives of NYSDEC in Albany on October 22, 2019 to provide an overview of the various investigations and reports completed for the site to date and discuss the next steps required to progress with completion of Feasibility Study Report and closure of the site. Copies of the presentation made by the Parties and ELT-Harriman, as well as a reference list of completed reports and a summary of the site chronology were provided to the Department for future reference.

In November 2019, through a series of conference calls and emails, NYSDEC requested the completion of summary tables of analytical data by media, for samples collected to date. An outline of anticipated tables was provided by email dated December 19, 2019, with additional clarification provided by NYSDEC by email dated December 20, 2019. The Parties and ELT-Harriman completed the requested tables and figures and a link to download the files was sent via email dated May 6, 2020. A total of 22 tables and 4 figures were provided.

By letter dated December 6, 2019, NYSDEC provided comments on certain submissions, including matters relevant to the Parking Lot Feasibility Study. The Parties and ELT-Harriman jointly responded to the comments by letter from Brown & Caldwell Associates on January 17, 2020. In the May 6, 2020 email from Jeff Caputi of Brown & Caldwell transmitting the requested summary tables and figures (see above), a web-meeting was requested by the parties to discuss the outstanding issues and next steps needed to move forward with completing both the Parking Lot and Lagoon FS Reports. In response to this request, a web-meeting was held on June 18, 2020 and copies of the presentation and requested supporting information were sent via email dated June 19, 2020. The Department agreed to review the presented information and organized a web-meeting for September 24, 2020 during which the Department shared its position on several outstanding Site matters and heard the Parties' responses. We await the Department's summary of the discussion, our collective agreements, and any remaining concerns.

Activities for the 4th Quarter 2020 (October – December 2020)¹

- Perform the regularly scheduled, quarterly monitoring well, parking lot, and riverbank inspections.
- Perform parking lot maintenance as needed.
- Submit a draft Emerging Contaminants Investigation Report.
- Move forward with the Parking Lot and Lagoon FS Reports pending further discussion and resolution of any outstanding comments as discussed during the September 24, 2020 web-meeting.

¹ "Subject to any delays or extensions which may be warranted by Governor's Executive Order No. 202 et seq or otherwise"

Please do not hesitate to contact us should you have questions or comments on any aspect of this progress report.

Sincerely,

Cornerstone Engineering, Geology, and Land Surveying, PLLC

A handwritten signature in black ink, appearing to read "Timothy Roeper".

Timothy R. Roeper, P.G.
Client Services Manager

Enclosures: Inspection Reports

cc: S. Levine
C. Clark
J. Jones
M. Robinson
K. Carpenter

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 10/12/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-1S*	6	Stickup	OK	OK	OK	OK	OK	OK		
MW-2S	4	Stickup	OK	OK	OK	OK	OK	D	Casing is sheared off a few feet below top of ground.	No repair planned, well not in use, possible future abandonment
MW-3S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-4S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-5S*	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-7S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind chain link fence that leads up to the river bank. Well marked off with reflector and survey tape.	
MW-8S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-9S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-11S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-12S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-13S	2	Flushmount	OK	OK	OK	OK	OK	OK	Field mouse nest	Caution
MW-16S*	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-20S*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-24S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape. Rusted padlock	Padlock lubricated
MW-25S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-27S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-33S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-35S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
OW-6	2	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
OW-7*	2	Stickup	OK	OK	OK	OK	OK	D	PVC inside well casing is detached. Rusted padlock	Exercise care when removing plug for sampling so as not to detach casing. Padlock lubricated

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 10/12/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
R-1	6		NI	NI	NI	NI	NI	NI	Well no longer exists	
RW-1**	6	Vault	NI	NI	NI	NI	NI	NI		
RW-1R*	6	Vault	OK	OK	OK	OK	OK	OK		
MW-53D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-1	2	Stickup	OK	OK	OK	OK	OK	OK		
PZ-2	2	Flushmount	OK	OK	OK	OK	OK	OK	Well abandoned	
PZ-3	2	Flushmount	D	OK	OK	OK	OK	OK		Collar still secure
MW-15S	4	Stickup	OK	OK	OK	OK	OK	OK	Well abandoned	
MW-17S	4	Stickup	OK	OK	OK	OK	OK	D	Outer and inner casing repaired	New lock placed on outer casing.
MW-19S	4	Stickup	OK	OK	OK	OK	OK	D	Well abandoned	
MW-22S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23S(1)	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-26S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-28S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-29S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-34	2	Flushmount	OK	OK	OK	OK	OK	OK	Can not access well due to placement of new faceplate.	Well not in use, no repair planned
MW-35AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-53S	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-4	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-6D*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind a chain link fence that leads upto the river bank.	
MW-10D	6	Stickup	OK	OK	X	OK	OK	OK	No plug, tubing is tied off inside of well, Inner casing too far down to plug.	
MW-18D	6	Stickup	OK	OK	X	OK	OK	OK	Inner casing too far down to plug.	No repair planned, well not in use, possible future abandonment. New lock placed on outer casing.

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 10/12/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-20D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21D	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-23D(1)*	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-25D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26D*	2	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-27D*	6	Stickup	OK	OK	OK	OK	OK	OK		
R-2D	10	Stickup	NI	NI	NI	NI	NI	NI	Shed removed	Well not In use
R-3D	10	Stickup	OK	OK	X	X	OK	OK	Large metal plate covering well	
MW-101*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-102*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-103*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-104*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-105*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-106*	2	Stickup	OK	OK	OK	OK	OK	OK		
20 DR*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-201	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-202S	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-202D	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-203	2	Stickup	OK	OK	OK	OK	OK	OK		

Field Technician:

Daniel Wheeler

 New wells installed August 2020

(1) Off-Site Wells.

(2) Erosion Evaluation Wells

** RW-1 was replaced by RW-1R

X = Item Missing

B = Bolts Missing

NI = NOT INSPECTED

D = Damaged

OK = Acceptable Condition

*Part of Monitoring Program

**RIVERBANK INSPECTION FORM
WEST BRANCH OF THE RAMAPO RIVER
MAYBROOK AND HARRIMAN TRUST
HARRIMAN, NEW YORK**

DATE: 12-Oct-20

INSPECTION (Check): ANNUAL

INSPECTOR: Daniel Wheeler

QUARTERLY X

		STATUS	COMMENTS
IRM COVER AND SILT FENCE			
A. General condition of cover material	<u>Good</u>		Riverbank cover in good condition, no signs of erosion, no white material showing. Extremely high vegation on riverbank. (pictures included).
B. Settlement of covered area	<u>Adequate</u>		Potholes present in parking lot area, although pavement cover generally remains intact. (pictures included). 14 total potholes.
C. General condition of silt fence	<u>N/A</u>		Silt fence has been removed from stream bank per NYSDEC approval on January 12, 2016.

SVE/VER Product Measurement Checklist

Recorded By:

Daniel Wheeler

Date:

10/12/2020

DTP	DTW
0	0.16
0	4.14
0	3.95
0	2.95*



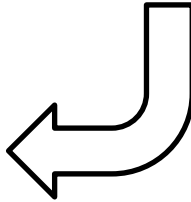
SVE-1
SVE-2
SVE-3
SVE-4



VER-1
VER-2
VER-3
VER-4

DTP	DTW
0	7.25
0	7.86
0	7.47
0	7.45

To Entrance/Exit



NOTE: SVE wells are closer to the side of the road.

VER-1 and SVE-1 are both 4" wells. All others are 2" diameter.



Indicates absorbent sock in well.

Comments:

Wells checked for potential presence of product after absorbent sock is removed.

Absorbent sock at 25% capacity at VER-2. Absorbent sock not replaced.

Presence of product or sheen not observed in remaining wells.

* Bottom of SVE-4 partially filled in during prior demolition work. (Bottom at 2.95 ft)

Representative Stream Bank Photos – October 12, 2020



Representative Photos of Potholes in Parking Lot – October 12, 2020



Representative Photos of Potholes in Parking Lot





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January 15, 2021

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014

Re: Quarterly Progress Report – 4th Quarter 2020
Harriman Inactive Waste Disposal Site #336006

Dear Mr. Amin:

On behalf of Warner Lambert LLC and Cambrex Corporation (Parties), this letter and inspection reports provide the fourth quarter of 2020 project progress report for the Harriman Site, located in Harriman, New York (Harriman Site). The NYSDEC had previously designated Michael Mason as its project manager for progress report submittals required by the Consent Decree governing this project, and this designation has not been formally changed. However, in an electronic mail message dated June 13, 2019, the NYSDEC advised the Parties that you have taken on the role of the Harriman site project manager and, therefore, this progress report has been addressed accordingly. Due to the presence of other remediation programs and voluntary investigative work being performed at the site, this report includes activities that are beyond the scope of the Parties' obligations under the Consent Decree.

Site Remediation Activities Performed (October – December 2020)

- The biosparging system was shut down on September 10, 2008 in accordance with the Supplemental Remedial Action Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC) on June 18, 2008, and remained off line through the second quarter of 2020, per recommendations in prior quarterly reports to the NYSDEC. Because the system was off line, no routine operation and maintenance was necessary during the reporting period. The building housing the biosparge system remains locked and in generally good condition. As reported in the first quarter of 2016 progress report, the biosparge system sustained limited damage during the site demolition activities and with some repairs operation of the system could be restored in the future, if there were a need for the system to be brought back on line.
- The interim cover along the West Branch of the Ramapo River was evaluated as a part of a site inspections performed on December 28, 2020. The interim cover remains in good condition. The cover vegetation is stable, well vegetated, and there are no signs of erosion. Representative photos are attached.

- The parking lot pavement remains generally intact and functioning as a cover. Pothole repairs were last made by ELT-Harriman, LLC in June 2020. During the December 28, 2020 inspection the parking area was observed to be good condition with 20 small to midsize potholes observed at random locations across the parking lot. Representative photos of the observed potholes are attached for reference.
- The quarterly well inspection report is also attached for reference. The monitoring well network in the routine five-quarter monitoring program remains in good condition and functional as noted in the attached summary tabulation from the December 28, 2020 inspection.
- As described in the second quarter 2016 progress report, product was not observed on the absorbent socks in wells SVE-1, SVE-3, SVE-4, and VER-2 during the December 2015 and March 2016 inspections; therefore, the absorbent socks were removed during the June 2016 inspection, with the intent of checking the wells for sheen or product without the absorbent socks present. Since removal of the absorbent socks in June 2016, the wells have been checked during each inspection for evidence of product or sheen, both visually and with an interface probe, and during the April 2017 inspection, an absorbent sock was placed in VER-2 based on an observed sheen, and an absorbent sock remains in this well as noted in the attached inspection report. The sock in VER-2 was replaced during the June 30th 2020 inspection. Wells SVE-1, SVE-3, and SVE-4 continue to not have any evidence of product or sheen and, therefore, the Parties have discontinued the use of absorbent socks in these wells. During the December 28, 2020 inspection, neither product or sheen was observed in any of the SVE or VER wells. Cornerstone, on behalf of the Parties, previously sent a separate letter to the NYSDEC documenting the request to modify the use of absorbent socks. The request to discontinue use of the adsorbent socks and quarterly inspections of all SVE and VER wells except for VER-2 was subsequently approved via email dated July 17, 2020.
- In the first quarter of 2012 progress report, the Parties requested that following the April 2012 groundwater sampling event the sampling program be modified to an annual frequency, based on the consistency of the groundwater monitoring data since 2008 when the biosparge system was shut down. Following this request in the April 2012 quarterly progress report, the NYSDEC approved modifying the groundwater monitoring frequency to every five quarters. This approval was provided in an electronic mail message from the NYSDEC to Cornerstone dated May 10, 2012. The NYSDEC approved the frequency of every five quarters, in lieu of annually, so that the groundwater monitoring would occur at different times throughout the year. The list of monitoring wells to be sampled and analytical parameters remain unchanged. The sixth five-quarter routine sampling event was completed during the period of December 11-13, 2019, and the results were reported in the fourth quarter 2019 progress report. To date, the monitoring data have consistently demonstrated that since shut down of the biosparging system, there is no evidence of an expansion of the plume or exceedance of groundwater quality standards at the down-gradient perimeter. Therefore,

groundwater monitoring in accordance with the current program is anticipated to continue, and the next sampling event is scheduled for the first quarter of 2021.

- The IRM groundwater extraction system components remain off-line on standby per the NYSDEC's approval pending the completion of the Supplemental Remedial Action Work Plan, including continued groundwater monitoring, and evaluation of the appropriateness of an ESD. Because of the ELT-Harriman, LLC demolition work, the groundwater extraction system components have been dismantled, but the system can be restored, if necessary.

Parking Lot and Other

As of May 14, 2010, the Parties had concluded all work and information transfer requested by the NYSDEC in connection with sampling and delineation of the calcium sulfate material in the Area B parking lot. The Parties, in conjunction with ELT-Harriman, LLC submitted a *Site-Wide Characterization Summary Report* on March 7, 2011. The Parties conduct both quarterly parking lot and riverbank inspections.

Separately, Nepera, Inc. and Warner-Lambert Company entered into a Stipulation and Order with the NYSDEC for a supplemental remedial investigation and feasibility study for portions of the Harriman Site, which was filed with the Court on December 17, 2013 and so-ordered by the Court on January 24, 2014.

As a supplemental effort outside the scope of the Consent Decree and the Stipulation and Order, the Parties and ELT-Harriman are coordinating with the NYSDEC on the preparation and implementation of a sampling work plan for emerging contaminants. A site meeting was held with representatives of the Parties, ELT-Harriman and NYSDEC to tour the site, observe current conditions and answer questions as applicable. A draft work plan was submitted to NYSDEC on August 1, 2019 and the NYSDEC provided comments via letter dated September 3, 2019. The Parties and ELT-Harriman acknowledged receipt of the comments and intent to revise the work plan in response to the comments by letter dated September 17, 2019. A revised Work Plan was submitted on October 2, 2019 and was subsequently approved by the NYSDEC by letter dated October 15, 2019. A schedule for implementation of the approved work plan was submitted on October 21, 2019 and field work associated with collection of soil samples for emerging contaminant analysis was completed January 8 through 10, 2020. In accordance with the approved Work Plan, a Work Plan Addendum was submitted on March 10, 2020. The Work Plan Addendum presents the results of the soil sampling and a proposed work plan for the investigation of emerging contaminants in groundwater. The NYSDEC provided comments on the Work Plan Addendum by letter dated May 19, 2020 and the Parties and ELT-Harriman responded to the comments by letter dated June 2, 2020. A revised Work Plan Addendum was submitted on June 19, 2020 and subsequently approved by NYSDEC by letter dated June 23, 2020. The additional work called for in the Work Plan Addendum was implemented during the third quarter of 2020 and preparation of the Emerging Contaminants Report is underway, with submittal to the Department planned in January 2021.

Representatives of the Parties and ELT-Harriman met with representatives of NYSDEC in Albany on October 22, 2019 to provide an overview of the various investigations and reports completed for the site to date and discuss the next steps required to progress with completion of Feasibility Study Report and closure of the site. Copies of the presentation made by the Parties and ELT-Harriman, as well as a reference list of completed reports and a summary of the site chronology were provided to the Department for future reference.

In November 2019, through a series of conference calls and emails, NYSDEC requested the completion of summary tables of analytical data by media, for samples collected to date. An outline of anticipated tables was provided by email dated December 19, 2019, with additional clarification provided by NYSDEC by email dated December 20, 2019. The Parties and ELT-Harriman completed the requested tables and figures and a link to download the files was sent via email dated May 6, 2020. A total of 22 tables and 4 figures were provided.

By letter dated December 6, 2019, NYSDEC provided comments on certain submissions, including matters relevant to the Parking Lot Feasibility Study. The Parties and ELT-Harriman jointly responded to the comments by letter from Brown & Caldwell Associates on January 17, 2020. In the May 6, 2020 email from Jeff Caputi of Brown & Caldwell transmitting the requested summary tables and figures (see above), a web-meeting was requested by the parties to discuss the outstanding issues and next steps needed to move forward with completing both the Parking Lot and Lagoon FS Reports. In response to this request, a web-meeting was held on June 18, 2020 and copies of the presentation and requested supporting information were sent via email dated June 19, 2020. The Department agreed to review the presented information and organized a web-meeting for September 24, 2020 during which the Department shared its position on several outstanding Site matters and heard the Parties' responses. The Department provided a draft meeting summary via email dated October 30, 2020 in which they summarized the discussion, collective agreement (where applicable) and remaining concerns or points of disagreement. The Parties and ELT Harriman are responding to the draft meeting summary with an anticipated submittal date in January 2021.

Activities for the 1st Quarter 2021 (January – March 2021)¹

- Perform the regularly scheduled, quarterly monitoring well, parking lot, and riverbank inspections.
- Perform parking lot maintenance as needed.
- Submit a draft Emerging Contaminants Investigation Report and Proposed Work Plan.
- Respond to the Department's October 30, 2020 Draft regarding the September 24, 2020 web-meeting summary.

¹ "Subject to any delays or extensions which may be warranted by Governor's Executive Order No. 202 et seq or otherwise"

- Conduct the seventh five-quarter routine groundwater sampling event.

Please do not hesitate to contact us should you have questions or comments on any aspect of this progress report.

Sincerely,

Cornerstone Engineering and Geology, PLLC

A handwritten signature in black ink, appearing to read "Timothy R. Roeper".

Timothy R. Roeper, P.G.
Client Services Manager

Enclosures: Inspection Reports

cc: S. Levine
C. Clark
J. Jones
M. Robinson
K. Carpenter

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 12/31/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-1S*	6	Stickup	OK	OK	OK	OK	OK	OK		
MW-2S	4	Stickup	OK	OK	OK	OK	OK	D	Casing is sheared off a few feet below top of ground.	No repair planned, well not in use, possible future abandonment
MW-3S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-4S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-5S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-7S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind chain link fence that leads up to the river bank. Well marked off with reflector and survey tape. Rusted padlock	Padlock lubricated
MW-8S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-9S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-11S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-12S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-13S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-16S*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-20S*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-24S*	4	Stickup	OK	OK	OK	OK	OK	OK	Well marked off with reflector and survey tape.	
MW-25S*	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-27S	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-33S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-35S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36S	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37S*	2	Flushmount	OK	OK	OK	OK	OK	OK		
OW-6	2	Stickup	OK	OK	OK	OK	OK	OK		
OW-7*	2	Stickup	OK	OK	OK	OK	OK	D	PVC inside well casing is detached.	Exercise care when removing plug for sampling so as not to detach casing.

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 12/31/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
R-1	6		NI	NI	NI	NI	NI	NI	Well no longer exists	
RW-1**	6	Vault	NI	NI	NI	NI	NI	NI		
RW-1R*	6	Vault	OK	OK	OK	OK	OK	OK		
MW-53D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-1	2	Stickup	OK	OK	OK	OK	OK	OK		
PZ-2	2	Flushmount	OK	OK	OK	OK	OK	OK	Well abandoned	
PZ-3	2	Flushmount	D	OK	OK	OK	OK	OK		Collar still secure
MW-15S	4	Stickup	OK	OK	OK	OK	OK	OK	Well abandoned	
MW-17S	4	Stickup	OK	OK	OK	OK	OK	D	Outer and inner casing repaired	New lock placed on outer casing.
MW-19S	4	Stickup	OK	OK	OK	OK	OK	D	Well abandoned	
MW-22S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23S(1)	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-26S	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-28S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-29S(2)	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-34	2	Flushmount	OK	OK	OK	OK	OK	OK	Can not access well due to placement of new faceplate.	Well not in use, no repair planned
MW-35AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-36AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-37AQ	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-53S	4	Flushmount	OK	OK	OK	OK	OK	OK		
PZ-4	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-6D*	4	Stickup	OK	OK	OK	OK	OK	OK	Well is behind a chain link fence that leads upto the river bank. Rusted padlock	Padlock lubricated
MW-10D	6	Stickup	OK	OK	X	OK	OK	OK	No plug, tubing is tied off inside of well, Inner casing too far down to plug.	
MW-18D	6	Stickup	OK	OK	X	OK	OK	OK	Inner casing too far down to plug.	No repair planned, well not in use, possible future abandonment. New lock placed on outer casing.

Former Nepera Plant - Harriman, NY: Quarterly Well Inspection Report

Date 12/31/2020

Monitoring Well	Diameter Inches	Finish	Collar	Lid	Plug	Lock	Tag	Casing	Comments	Action Items
MW-20D*	4	Flushmount	OK	OK	OK	OK	OK	OK		
MW-21D	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-23D(1)*	4	Stickup	OK	OK	OK	OK	OK	OK		
MW-25D	4	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-26D*	2	Stickup	OK	OK	OK	OK	OK	OK	Padlock lubricated	Padlock lubricated
MW-27D*	6	Stickup	OK	OK	OK	OK	OK	OK	Padlock lubricated	Padlock lubricated
R-2D	10	Stickup	NI	NI	NI	NI	NI	NI	Shed removed	Well not In use
R-3D	10	Stickup	OK	OK	X	X	OK	OK	Large metal plate covering well	
MW-101*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-102*	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-103*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-104*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-105*	2	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
MW-106*	2	Stickup	OK	OK	OK	OK	OK	OK	Rusted padlock	Padlock lubricated
20 DR*	2	Flushmount	OK	OK	OK	OK	OK	OK		
MW-201	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-202S	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-202D	2	Stickup	OK	OK	OK	OK	OK	OK		
MW-203	2	Stickup	OK	OK	OK	OK	OK	OK		
Field Technician:									Daniel Wheeler	

 New wells installed August 2020

(1) Off-Site Wells.

(2) Erosion Evaluation Wells

** RW-1 was replaced by RW-1R

X = Item Missing

B = Bolts Missing

NI = NOT INSPECTED

D = Damaged

OK = Acceptable Condition

*Part of Monitoring Program

**RIVERBANK INSPECTION FORM
WEST BRANCH OF THE RAMAPO RIVER
MAYBROOK AND HARRIMAN TRUST
HARRIMAN, NEW YORK**

DATE: 31-Dec-20

INSPECTION (Check): ANNUAL

INSPECTOR: Daniel Wheeler

QUARTERLY X

		STATUS	COMMENTS
IRM COVER AND SILT FENCE			
A. General condition of cover material	<u>Good</u>		Riverbank cover in good condition, no signs of erosion, no white material showing. (pictures included).
B. Settlement of covered area	<u>Adequate</u>		Potholes present in parking lot area, although pavement cover generally remains intact. (pictures included). 20 total potholes.
C. General condition of silt fence	<u>N/A</u>		Silt fence has been removed from stream bank per NYSDEC approval on January 12, 2016.

SVE/VER Product Measurement Checklist

Recorded By:

Daniel Wheeler

Date:

12/31/2020

DTP	DTW
0	0.15
0	2.21
0	1.85
0	2.15*



SVE-1
SVE-2
SVE-3
SVE-4

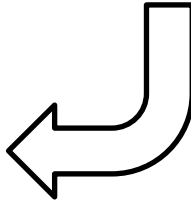
Sock 1



VER-1
VER-2
VER-3
VER-4

DTP	DTW
0	3.18
0	3.62
0	2.92
0	2.72

To Entrance/Exit



NOTE: SVE wells are closer to the side of the road.

VER-1 and SVE-1 are both 4" wells. All others are 2" diameter.

● Indicates absorbent sock in well.

Comments:

Wells checked for potential presence of product after absorbent sock is removed.

Absorbent sock at 50% capacity at VER-2. Absorbent sock not replaced.

Presence of product or sheen not observed in remaining wells.

* Bottom of SVE-4 partially filled in during prior demolition work. (Bottom at 2.95 ft)

Representative Stream Bank Photos – December 31, 2020



Representative Photos of Potholes in Parking Lot – December 31, 2020



Representative Photos of Potholes in Parking Lot

