

October 25, 2024

Mr. Brian Rath, P.E. lowa Department of Natural Resources 6200 Park Avenue Suite 200 Des Moines, IA 50321

RE: Cedar Rapids Linn County Solid Waste Agency - Site 2 Landfill

Permit No. 57-SDP-01-72

CQA Report for Landfill Gas System Improvements Project

Dear Mr. Rath,

On behalf of Cedar Rapids Linn County Solid Waste Agency (CRLCSWA), HDR Engineering, Inc. (HDR) is submitting the enclosed Construction Quality Assurance (CQA) Report for the Landfill Gas System Improvements construction project located at the Site 2 Landfill in Marion, Iowa.

The CQA Report enclosed details the Landfill Gas System Improvements project construction that started in March of 2024 and was completed in the fall of 2024.

Due to the size of the report file after file reduction and in an effort to adhere to the DocDNA 50MB file limit, the report has been broken into the following volumes for submission:

- Volume 1: Cover letter, Executive Summary, Appendix A
- Volume 2: Appendix B Appendix G

Should you have any questions or require additional information, please do not hesitate to contact us at (402) 639-3869.

Sincerely,

HDR Engineering, Inc.

Katie Kinley, P.E.

Engineer of Record

cc: Garrett Prestegard, P.E., CRLCSWA

Karmin McShane, CRLCSWA





Construction Quality Assurance Report

Cedar Rapids Lin County Solid Waste Agency (CRLCSWA), IA – Site 2 Landfill

Landfill Gas System Improvements

Marion, IA

Submittal Date: October 25, 2024

Permit #: 57-SDP-01-72

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Appendices

Appendix A – Daily Reports

Appendix B – Technical Submittals

Appendix C – Meeting Notes

Appendix D – Survey Records

Appendix E – Contract Modifications

Appendix F – Vertical Well Installation

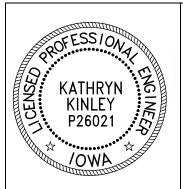
Appendix G – Pipe Pressure Test Reports and Trench Logs



Professional Engineer Certification

Based upon the observations and tests as documented in the enclosed Construction Quality Assurance Report, it is HDR's opinion that the Cedar Rapids Linn County Solid Waste Agency Site-2 Landfill Gas System Improvements construction has been completed in substantial conformance with the requirements of the Permit Application (57-SDP-01-72), the Contract Drawings, and the Technical Specifications.

HDR professional services have been provided using the level of care and skill ordinarily exercised, under similar circumstances, by engineering professionals currently practicing in this locality. No other representation, express or implied, and no warranty or guarantee is included or intended.



I hereby certify that these engineering documents were prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Katie Kinley, P.E. Date

Iowa License No. P26021

My license renewal date is December 31, 2025.

Pages or sheets covered by this seal:

All.

1.0 Introduction

The Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site-2 Municipal Solid Waste (MSW) Landfill is located at 1954 County Home Road, Marion, IA. HDR Engineering, Inc. (HDR or Engineer) was retained by CRLCSWA to provide part-time construction quality assurance (CQA) and certificate for construction and installation of the Landfill Gas System Improvements (Project) at the Site-2 Landfill. The Project was constructed in the Cell 1, Cell 2, Cell 3, Cell 4 and the 13-Acre Cell. The CQA Report provides a discussion of the construction process, presents quality assurance documentation, and notes deviations from the original design for the Project construction. Construction activities, including vertical gas well and associated pipeline installation are documented in this report and were completed in the spring and summer of 2024.



Figure 1. CRLCSWA Site 2 Landfill Aerial

Construction of the Project included: vertical gas well installation in final cover and active areas, installation of gas header and lateral, condensate, leachate recirculation, and air supply pipelines, installation of a condensate sump, conversion of existing vertical gas wells to remote gas wells, decommissioning of vertical gas wells, tie-ins to existing infrastructure, and seeding. Five (5) new vertical gas wells and eight (8) replacement vertical gas wells were constructed. Two of the eight replacement vertical gas wells were installed on the final cover (closed) portion of the landfill and included repairs to final cover after the installation of the vertical gas well. Gas header and laterals, often accompanied by condensate, air supply, and leachate recirculation lines, connected the new vertical gas wells to previously constructed gas infrastructure.



Quality assurance activities documented in this report include pipe pressure test reports $(Appendix\ G-Pipe\ Pressure\ Test\ Reports\ and\ Trench\ Logs)$, vertical gas well installation logs $(Appendix\ F-Vertical\ Well\ Installation)$, and quantity control documentation from manufacturers of various components of the Project $(Appendix\ B-Technical\ Submittals)$.

2.0 GCCS Expansion Project Overview

HDR prepared the design plans for construction (issued January 16, 2024, DocDNA #108838). HDR reviewed and approved submittals and modifications. Submittal documentation is provided in *Appendix B – Technical Submittals*.

The designed and installed gas collection system includes, but is not exclusive to, the following:

- Installation of thirteen (13) Vertical Gas Collection Wells and Wellhead Assemblies;
- Installation of 2-inch HDPE Air Supply Pipeline 5,342 linear feet (LF);
- Installation of 4-inch HDPE Condensate Pipeline 4,607 LF;
- Installation of 6-inch HDPE Landfill Gas Pipeline 3,723 LF;
- Installation of 10-inch HDPE Landfill Gas Pipeline 1,487 LF;
- Installation of 12-inch HDPE Landfill Gas Pipeline 1,255 LF;
- Installation of Dual Contained Condensate Pipeline 735 LF;
- Installation of 3-inch HDPE Leachate Recirculation Pipeline 1,450 LF;
- Installation of Dual Contained Leachate Recirculation Pipeline 25 LF:
- Installation of one (1) Condensate Sump Station (with pump);
- Installation of five (5) Gas Isolation Valve Assemblies;
- Installation of twelve (12) Header Access Points;
- Installation of five (5) Air Supply Pipeline Valve Pits;
- Installation of five (5) Condensate Pipeline Valve Pits;
- Installation of Topsoil, Seed, Fertilizer & Mulch 4.5 Acres;
- Road Crossing Pipeline Work 120 LF;
- Leachate Lean-to Modifications;
- Abandonment of eight (8) vertical gas collection wells and wellhead assemblies.

See Contract Modifications Section for additional work completed.

2.1 Timeline

An overall timeline for the project can be found in Table 1 below.

Table 1: Timeline of Construction Activities

Task	Projected Duration (Days)	Start Date	End Date	
Notice to Proceed	1/25/2024			
Mobilization	8	3/11/2024	3/19/2024	
Vertical Well Drilling	9	3/19/2024	3/28/2024	
Tie-Ins and Wellheads	37	5/28/2024	7/3/2024	
Pipeline Construction	98	3/28/2024	7/3/2024	
Punchlist Items	92	7/3/2024	10/2/2024	
Seeding/Fertilizing	9/2024			
Substantial Completion	7/17/2024			
Final Completion	10/2	/2024		

2.2 CQA Personnel and Construction Contractors

CQA Personnel

Katie Kinley, P.E. (Iowa PE License Number P26021), of HDR Engineering, Inc., is the CQA Officer responsible for the preparation of this report and documented compliance with the approved plans and specifications. The contact information for Katie Kinley is provided below:

HDR Engineering, Inc. 1917 South 67th Street Omaha, NE 68106-2973 Phone: (402) 392-6980

Katie Kinley, P.E., of HDR Engineering, Inc., was the primary quality assurance contract administrator with day-to-day responsibility for documenting field activities through the Site-2 Landfill Gas System Improvements construction. Michael Walsh, E.I.T., with HDR Engineering, Inc., also served as quality assurance observer assisting Katie Kinley with documentation of vertical gas well installation, pipeline installation, and condensate sump installation. Daily reports with photographs prepared by CQA personnel are provided in *Appendix A – Daily Reports*. During the final stages of the project, site personnel assisted with observation of some piping installation and final grading work.

CQA Testing and Observation

The following groups received designated responsibilities for CQA testing and observation:

- CQA Geotechnical Testing Terracon Consulting, Inc.
- CQA Surveying Vobr Niemeyer, LLC

Contractors

Multiple contractors were involved in the completion of the Site-2 Landfill Gas System Improvements. Carlson Environmental Consultants, PC (CEC) of Monroe, North Carolina was the general contractor and performed or subcontracted all aspects of the construction. The following list presents major contractors and subcontractors involved with critical construction areas.

GENERAL CONTRACTOR

Carlson Environmental Consultants, PC 1127 Curtis Street, Suite 100 Monroe, NC 28112 Dennis DiStano

GEOTECHNICAL TESTING

Terracon Consulting, Inc. 2640 12th Street SW Cedar Rapids, IA 52404 Peng Cavan

SURVEYING

Vobr Niemeyer, LLC 5340 N Park Plaza NE Cedar Rapids, IA 52402 Matt Vobr

SEEDING

Soil Concepts, Inc. 650 51st Street Marion, IA 52303 Calvin McBride

2.3 Construction Quality Assurance Program

In order to implement the CQA program, construction drawings, technical specifications, and industry standards were utilized for guidance. For GCCS Expansion construction, HDR's effort included, but were not exclusive to, the following CQA monitoring activities:

Vertical Gas Well Construction

CQA Monitoring during vertical well construction involved observing and documenting the following activities:

- Well location and depth prior to drilling.
- Well boring logs during drilling (temperature, description, moisture).
- Equipment and materials prior to installation.
- Assembled well prior to installation.
- Backfill depth of each layer.



- Well bore seal installation.
- Well head assembly installation.
- Remote well head assembly installation.
- Final cap well construction and repairs.

Lateral and Header Piping

CQA Monitoring during lateral and header piping construction involved observing and documenting the following activities on a part time basis:

- Excavation of the lateral and header pipelines.
- Trench depth, width, and bottom condition for pipe laying.
- Pipe placement and pipe fusing (butt fusion method).
- Pipe pressure testing within the trench.
- Backfill and surface grading.
- Pipeline road crossing.

Air Supply and Condensate System

CQA Monitoring during construction of the air supply and condensate system involved observing and documenting the following activities on a part time basis;

- Pipeline excavation for the air supply and condensate pipe.
- Trench depth, width, and bottom condition for pipe laying.
- Pipe placement and pipe fusing (butt fusion method).
- Pipe pressure testing within the trench.
- Backfill and surface grading.
- Pipeline road crossing.
- Installation of the air supply and condensate forcemain valves.
- Installation of the condensate pump station (CPS-03).

Leachate Recirculation System and Phase 5A Lean-to Modifications

CQA Monitoring during construction of the leachate recirculation system and Phase 5A Lean-to Modifications involved observing and documenting the following activities:

- Pipeline excavation for the leachate conveyance pipe.
- Trench depth, width, and bottom condition for pipe laying.
- Pipe placement and pipe fusing (butt fusion method).
- Pipe pressure testing within the trench.
- Backfill and surface grading.
- Installation of the leachate access stickups.
- Installation of insulation and new piping on Phase 5A Leachate Lean-to.



Final Cap Repairs

CQA Monitoring during construction of the final cap well and cap repairs involved observing and documenting the following activities:

- Drilling of gas wells GW-16R and GW-17R.
- Compaction of clay in lifts with GCL layer placed on top.
- Installation of well boot and extrusion welded repair to the existing liner.
- Placement of geotextile over the repaired areas per the construction drawings.



3.0 Contract Modifications

There was one contract modification made to the original plans throughout the course of the project. The modification was issued through a Change Order, (CO). As-built documentation can be found in *Appendix D – Survey Records*. Complete documentation of the CO is provided in *Appendix E – Contract Modifications*.

3.1 Change Order No. 01

Installation of an additional condensate tie-in on the southwest corner of the 13-acre cell north of the designed gas header tie-in at STA 0+25 on the 12-inch HDPE gas header system. CEC installed a 4-inch SDR 11 tee to connect the existing 4-IN condensate system to the constructed 4-inch HDPE condensate system. CEC capped the southbound portion of the condensate system with a 4-inch HDPE cap.



Vertical Gas Well Construction 4.0

Vertical gas well drilling and installation for this project was initiated on March 19, 2024 and was completed on March 28, 2024. Prior to the start of drilling, a pre-installation meeting was held on March 19, 2024 including representatives from HDR, CRLCSWA, and CEC. Meeting notes from the pre-installation meeting are provided in *Appendix C - Meeting Notes*. In total, this project was designed for the installation of thirteen (13) vertical wells to be drilled with 36-inch diameter bored holes. A listing of installed vertical gas wells is as follows:

GW-16R

GW-26R

GW-42

GW-17R

GW-27R

GW-43

GW-19R

GW-29R

GW-44

GW-22R

GW-40

GW-41

GW-25R

Vobr Niemeyer, a licensed Surveyor of the State of Iowa, surveyed the well locations prior to the

start of drilling. CEC conducted the assembly and installation of the vertical wells. Documentation is provided within the Vertical Well Installation Report in Appendix F - Vertical Well Installation.

4.1 Vertical Extraction Well Construction Procedures

Wells were drilled by CEC. Thirteen (13) vertical gas extraction wells were drilled for a total of 974 vertical feet. Drilling was completed by CEC utilizing a IMT AF 125 Drill Rig. Of the 974 vertical feet drilled, 764 feet consisted of 6-inch, schedule 80 polyvinyl chloride (PVC) perforated pipe for gas collection within the waste mass, the remainder being solid PVC. Before drilling began at each well, the location and max depth were confirmed on-site by CEC and HDR. During the drilling, HDR and CEC completed separate boring content logs. As the drilling continued, CEC assembled the well. Before installation, HDR measured and inspected the assembled well. Details of well depths, observed materials encountered, temperatures of waste and soil removed, and moisture of removed waste and soil are provided in Appendix F - Vertical Well Installation.

At the completion of drilling, CEC initiated gas extraction well construction by placing a safety grate over the well. CEC then installed in the lower portion of the centralizer at pre-determined locations on the pipe casing. The pipe was then lowered into the borehole so that the bottom of the pipe was 1 foot above the bottom of the borehole. As the pipe was lowered, the centralizers were installed and positioned to help center the pipe within the borehole. Solid and perforated pipe were examined by the field engineer before installation. A PVC cap was installed on at the base of the perforated casing to ensure the filter pack would not enter the well through the bottom.

Once the pipe was placed in the correct vertical position, the annular space between the well casing and drilled waste was backfilled with filter pack consisting of 1- to 3-inch Non-Calcareous aggregate, as submitted and approved, from the bottom of the 36-inch diameter borehole up to 15 feet below the existing ground surface (Appendix B - Technical Submittals). A geocomposite ring was placed on-top of the filter pack followed by a 1-foot-thick layer of clean soil. A 2-foot-thick bentonite seal was then poured from bags and hydrated in an excavator's bucket. A 4-foot-thick soil layer was backfilled over the bentonite seal. A second layer of 2-footthick bentonite seal was placed above the 4-foot soil layer and soil was backfilled over the upper



bentonite seal to reach surface grades. The well grate of each well was installed at the surface. Later, CEC excavated the surface soil around each well and install the wellbore seals and reinstalled the well grates at the design depths on all drilled wells. Drilling logs and well installation logs are provided in the *Appendix F – Vertical Well Installation*.

4.2 Wellheads for Vertical Gas Extraction Wells

The wellheads for all vertical extraction wells were installed when each well was connected to the header pipeline. Wellhead installation occurred between May 2024 to June 2024.

4.3 Vertical Extraction Well Record Drawing Construction Schedule

As part of CQA efforts, HDR was on-site full time during vertical well construction. During this time, HDR logged descriptions of waste, temperatures, and other attributes during well drilling and construction (*Appendix F – Vertical Well Installation*.)

4.4 Remote Gas Well Construction Procedures

Four (4) existing gas wells were converted into remote gas wells. The converted gas wells consisted of GW-33, GW-35, GW-36, and GW-37. Installation of the remote gas wells occurred between May 2024 to June 2024. CEC removed the existing wellhead assembly from the gas well and capped the well and header. A PVC tee was installed below grade and transition to HDPE. A 6-inch HDPE gas lateral was trenched and installed to the 10-inch gas header system where the 6-inch HDPE gas lateral stuck up above grade. The removed wellhead assembly was placed on the 6-inch HDPE gas lateral and the 6-inch stick up from the 10-inch gas header.

4.5 Final Cap Well Construction and Cap Repairs

Two (2) existing gas wells were redrilled on the final cap area or closed area of the 13-acre cell. The redrilled gas wells consisted of GW-16R and GW-17R. Installation of the gas wells occurred during the month of June 2024. CEC removed the existing wellhead assembly from the gas well and abandoned the wells below grade. CEC compacted clay backfill in three 6-inch lifts to repair the final cover clay over the abandoned wells and around the new wells in accordance with the Drawings (see *Appendix B* for compaction results). CEC installed a layer of GCL on top of the recompacted clay areas. CEC installed a well boot around the gas lateral line and the new well using 40-mil LLDPE and extrusion welded to the existing 50-mil LLDPE MicroDrain liner to repair the geomembrane portion of the cap. CEC performed non-destructive testing for trial welds prior to performing the repairs to the LLDPE cap. Finally, geotextile was placed over the repaired area and tied into the existing geotextile before the erosion and vegetative layers of the cap were repaired.

4.6 Design Modifications

During construction, the following design details were altered as follows;

 Twelve (12) of the thirteen (13) vertical wells were completed at design depth and design location. Vertical gas well GW-25R was altered in the field by CEC and Vobr Niemeyer at

CRLCSWA | Site-2 Landfill Gas System Improvements Vertical Gas Well Construction

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the approval of HDR and CRLCSWA. GW-25R was installed at a revised location 20-feet east of the designed location due to its originally proposed placement on a steep slope.

5.0 Lateral and Header Piping Installation

5.1 Lateral and Header Pipeline Construction Procedures

The project included the installation of 12-inch standard dimension ratio (SDR) 17 HDPE pipe, 10-inch SDR 17 HDPE pipe and 6-inch SDR 17 HDPE pipe for the lateral lines. The lateral lines connect the gas extraction wells to the gas header line. Installation dates occurred between April 2024 through July 2024. The total length of installed 12-inch header line was 1,255 linear feet. The total length of installed 10-inch header line was 1,487 linear feet. The total length of installed 6-inch header/lateral line was 3,723 linear feet. HDR observed that the installation of header and lateral pipe complied with the required procedures as presented in the Contract Documents. Warning tape identifying a gas line buried was place above header and lateral line pipe. The header pipe was installed at a minimum 5% slope unless otherwise specified in the contract documents. For reference, the as-built documentation is provided in *Appendix D – Survey Records*.

Installed pipe was fused on-site utilizing the butt fusion method. Pipe was pressure tested to verify no leaks and that proper system vacuum is distributed to the new wells. For each test, the newly installed pipe was required to hold a minimum ten (10) pounds per square inch (psi) pressure for a minimum of one (1) hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations for pipe pressure testing are provided within *Appendix G – Pipe Pressure Test Reports and Trench Logs*. Equipment used by CEC during the installation is provided in *Appendix A – Daily Reports*.

5.2 Isolation Valve Assemblies

The project included the installation of five (5) Isolation Valve Assemblies. Installation dates occurred from April 2024 through June 2024. Two assemblies were installed on the 10-inch header pipeline and two assemblies were installed on the 12-inch header pipeline. The locations of isolation valve assemblies are provided in *Appendix D – Survey Records*. Equipment used by CEC during installation is provided in *Appendix A – Daily Reports*.

5.3 Header Access Points

The project included the installation of twelve (12) header access points on the installed 6-inch header pipeline, 10-inch header pipeline, and 12-inch header pipeline. These access points were installed according to HDR's design Detail 01/00C505. Installation dates occurred between April 2024 through June 2024. Locations of the installed header access points are provided in *Appendix D – Survey Records*.

5.4 Condensate Pump Station

Condensate Pump Station (CPS) 3 was manufactured by ISCO off-site and installed by CEC onsite. HDR reviewed and approved the pump station submittal prior to installation. Installation occurred during the month of May 2024. The CPS-3 approved submittals are provided in *Appendix B – Technical Submittals*. Equipment utilized by CEC during installation is provided in *Appendix A – Daily Reports*.



5.5 Road Crossing

The project required the header, air supply, and condensate pipeline to pass under the access road west, outside of the Phase 4 active cell and under the access road within the Phase 1 active cell. CEC completed the installation on the road crossing west of Phase 4 active cell on May 15, 2024. CEC completed the installation on the road crossing within Phase 1 active cell on April 10, 2024. A total of 120 linear feet of CMP pipe was installed. The header was installed through the CMP at the road crossing and the CMP pipe was backfilled and compacted by CEC. The installation reports and equipment used by CEC during installation are provided in *Appendix A* – *Daily Reports*. Record document documentation is provided in *Appendix D* – *Survey Records*.

5.6 Design Modifications

During construction, the following design details were altered as follows;

- On the 18-inch CMP roadway crossing for Phase 1 active cell, CEC did not install the wooden blocks around the 10-inch gas header with consent of the Design Engineer and site, based on field conditions and spacing. This action is noted in the daily field report for April 10, 2024.
- At the tie-in location in the southwest corner of the 13-acre cell for the 12-inch HDPE gas header system, CEC moved the installation of the tie-in for the 6-inch HDPE lateral system for GW-23, GW-25R, and GW-26R to approximately STA 1+25 on the 12-inch HDPE gas header system. See record documentation in *Appendix D Survey Records* for more details on the location of the constructed tie-in.
- The alignment of the 6-inch HDPE lateral system for GW-23, GW-25R, and GW-26R was altered from the designed alignment with approval from the Engineer to avoid creating a low spot in this 6-inch HDPE lateral system. The constructed 6-inch HDPE lateral system alignment follow higher field elevations traveling north GW-25R and farther west of GW-23. See record documentation in *Appendix D Survey Records* for more details on the constructed alignment.



6.0 Air Supply and Condensate System Installation

6.1 Air Supply Piping

The project included the installation of 2-inch SDR 9 HDPE air supply pipe. Installation dates occurred between April 2024 through July 2024. The total length of installed 2-inch air supply pipe was 5,342 linear feet and installed in the active fill area. The record drawings are provided in *Appendix D – Survey Records*.

All installed air supply pipe was fused on-site utilizing the butt fusion method. Piping was pressure tested to verify no leaks and that proper system air supply is distributed to the new wells. For each test, the newly installed pipe was required to hold a minimum 10 psi pressure for a minimum of 1-hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations for pipe pressure testing are provided within *Appendix G – Pipe Pressure Test Reports and Trench Logs*. Equipment utilized by CEC during the installation of the air supply piping is provided in *Appendix A – Daily Reports*.

6.2 Condensate Piping

The project included the installation of 4-inch SDR 11 HDPE pipe for the condensate discharge line. Installation dates occurred between April 2024 to June 2024. The total length of installed 4-inch condensate piping was 4,607 linear feet in the active fill areas. The installation of condensate discharge pipe followed the procedures shown on Sheet 00C102 and Detail 02/00C502. As-built documentation of the condensate piping is provided in *Appendix D – Survey Records*.

Condensate discharge pipe was fused on-site utilizing the butt fusion method. Piping was pressure tested to verify no leaks were present. For each test, the newly installed pipe was required to hold a minimum of 10 psi pressure for a minimum of 1-hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations for pipe pressure testing are provided within *Appendix G – Pipe Pressure Test Reports and Trench Logs*. All equipment used by CEC during the installation can be found in *Appendix A – Daily Reports*.

6.3 Dual Containment Pipeline

The project required the installation of 4-inch SDR 11 x 8-inch SDR 17 HDPE dual containment pipe for all liquid conveyance lines installed outside of the waste boundary. The total length of dual containment pipe installed was 735 linear feet. The installation of dual containment pipe followed the procedures shown on Sheet 00C102 and Detail 02/00C502 of the design. As-built documentation of the dual containment piping is provided in *Appendix D – Survey Records*.

Installed pipe was fused on-site. Piping was pressure tested to verify no leaks were present in the carrier or containment piping. For each test, the newly installed pipe was required to hold a minimum of 10 psi pressure for a minimum of 1-hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations of pipe pressure testing are provided within *Appendix*



G – Pipe Pressure Test Reports and Trench Logs. All equipment used by CEC during the installation is provided in **Appendix A – Daily Reports**.

6.4 Air Supply and Condensate Forcemain Valve Assemblies

The project included the installation of five (5) air supply valve assemblies and five (5) condensate forcemain valve assembles. The air supply valves were installed in accordance with Detail 01/00C503 and Detail 02/00C503. Installation dates occurred between May 2024 through June 2024. The valve locations and all other record documentation is provided in *Appendix D – Survey Records*. All equipment utilized by CEC during the installation is provided in *Appendix A – Daily Reports*.



7.0 Seeding and Fertilizing

7.1 Seeding (Seed and Fertilizer)

The subcontractor responsible for seeding was Soils Concepts Inc. Seed and fertilizer locations were verified by HDR prior to installation in the field and by submittal. Seeding and fertilizing were completed in July 2024. The seeding procedures followed the specifications listed in Section 32 92 00 of the project manual.

Seeding was completed in areas designated by CRLCSWA and used SUDAS Type II Cool Season Slopes and Ditches or UA-DOT Stabilizing Crop Rural Mix. More details on this seeding mix are listed in Section 32 92 00 of the project manual and provided in *Appendix B – Technical Submittals*.



8.0 Leachate Recirculation System and Phase5A Lean-to Modifications

8.1 Forcemain Pipeline Construction Procedures

The project included the installation of 3-inch SDR 11 HDPE pipe for the leachate recirculation lines. Installation dates varied from April 2024 through July 2024. The total length of installed leachate recirculation line was 1,450 linear feet. For reference, the as-builts are provided in *Appendix D – Survey Records*.

Piping was fused on-site utilizing the butt fusion method. Piping was pressure tested to verify no leaks were present. For each test, the newly installed pipe was required to hold then a minimum of ten (10) pounds per square inch (psi) pressure for a minimum of one (1) hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations for pipe pressure testing are provided within *Appendix G – Pipe Pressure Test Reports and Trench Logs*. All equipment used by CEC during the installation is provided in *Appendix A – Daily Reports*.

8.2 Dual Containment Pipeline

The project required the installation of 3-inch SDR 11 x 6-inch SDR 17 HDPE dual containment pipe for all liquid conveyance lines installed outside of the waste boundary. The total length of dual containment pipe installed was 25 linear feet. The as-builts are provided in *Appendix D* – *Survey Records*.

Installed pipe was fused on-site. Piping was pressure tested to verify no leaks were present in the carrier or containment piping. For each test, the newly installed pipe was required to hold a minimum of 10 psi pressure for a minimum of 1-hour with a maximum of 5% pressure loss to be considered "passing". Dates and locations of pipe pressure testing are provided within *Appendix G – Pipe Pressure Test Reports and Trench Logs*. All equipment used by CEC during the installation is provided in *Appendix A – Daily Reports*.

8.3 Leachate Access Stickups

The project included the installation of three (3) leachate access stickups along the newly installed 3-inch leachate recirculation pipeline. These access points were installed according to HDR's design Detail 01/00C505. Installation dates occurred between April 2024 through July 2024. Locations of the installed leachate access stickups are provided in *Appendix D – Survey Records*.

8.3 Phase 5A Leachate Lean-to Modifications

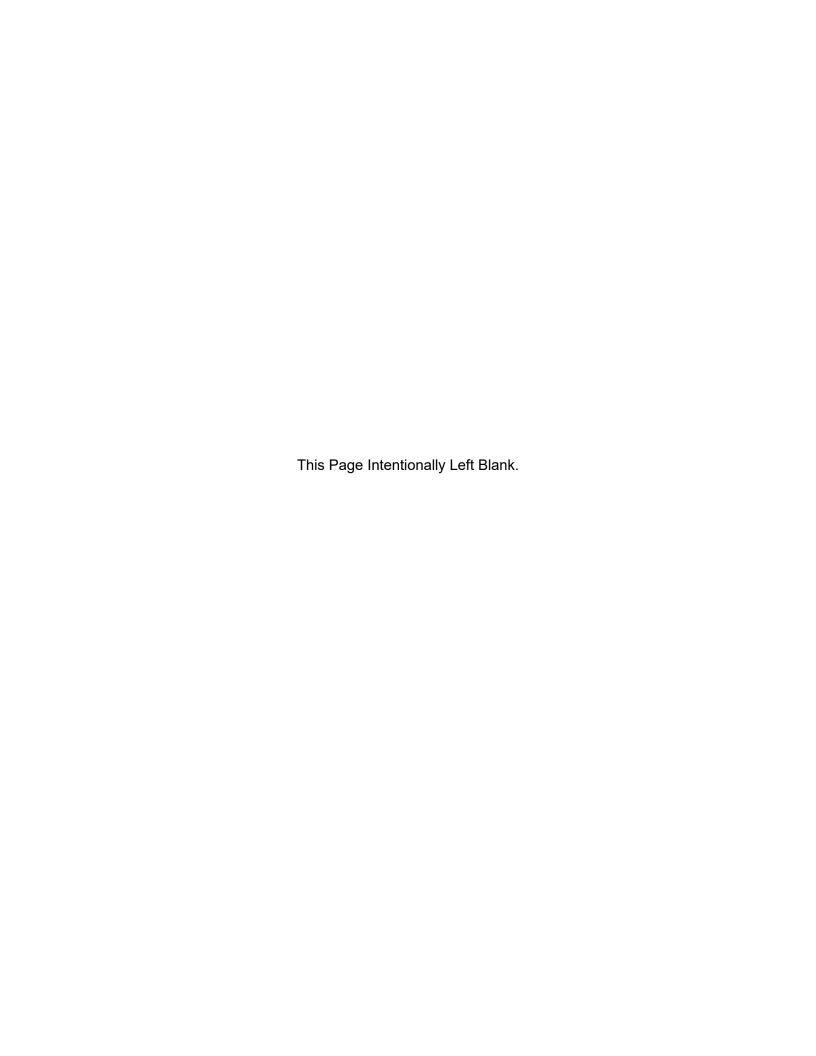
The Phase 5A Leachate Lean-to replace the two 2-inch HDPE pipes connecting to the leachate extraction risers with two 3-inch HDPE pipes and full port ball valves. The pipes connected to the leachate extraction risers and groundwater underdrain risers were insulated. Modifications were installed according to HDR's design Detail 03/00C505. Installation dates occurred during July 2024. Location of the installed Phase 5A Lean-to Modifications are provided in *Appendix D – Survey Records*.

9.0 General Comments and Conclusions

The CQA activities and site observations described in this report indicate the GCCS Project was constructed in substantial conformance with the design documents, project manual specification, applicable lowa Administrative Code regulations, and permit documents.

This report has been prepared for the exclusive use of Cedar Rapids Linn County Solid Waste Agency for specific application to the project discussed herein. This document has been prepared using the level of care and skill ordinarily exercised, under similar circumstances, by engineering professionals currently practicing in this locality. No other representation, express or implied, and no warranty.

Appendix A Daily Reports





SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date: 3/18/2024				Report No.:	1		
Created By:	Mike Walsh			Total Count to	Date: (Calend	lar Days):	53
Contract Time to Substantial Complete: (Calendar Days): 215			215	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary March 18, 2024

	High	Low	Average		High	Low	Average
Temperature	38.7 °F	18.0 °F	27.7 °F	Wind Speed	21.0 mph	0.2 mph	5.9 mph
Dew Point	19.2 °F	11.8 °F	14.2 °F	Wind Gust	23.9 mph	-	8.0 mph
Humidity	78 %	42 %	58 %	Wind	4	21	NW
Precipitation	0.00 in	4	-	Direction			
				Pressure	30.36 in	30.13 in	**

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-18/2024-03-18/daily) Marion, IA.

CONSTRU	CONSTRUCTION WORK FORCE:						
Contractor	Employee		Subcontractor Employee				
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
2	CEC	~8					

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:							
Item	Description	Installed QTY	Remarks				

WORK BEING PERFORMED:

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - CEC fabricated sections of the PVC gas wells. PVC piping was cut with a reciprocating saw. PVC was moved around and handled with the Bobcat T770 Skid Steer.

Work Not Observed, but in Progress

• CEC mobilized: an IMT AF125 Drilling Rig, Komatsu PC210LC Excavator, Bobcat T770 Skid Steer, Volvo A25G Off-Road Truck, Bell B25E Off-Road Truck, and Volvo EC200EL Excavator.

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

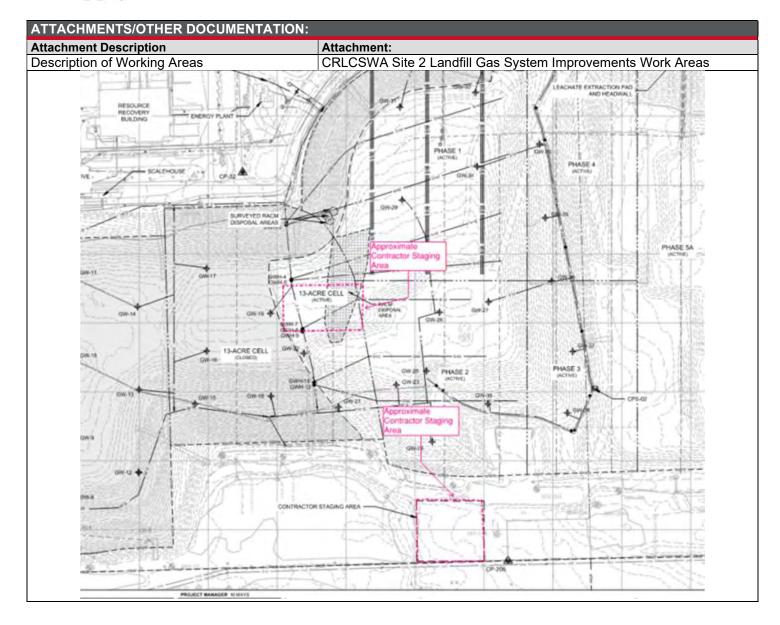
GENERAL OBSERVATIONS AND REMARKS

• CEC staged materials on the top of the uncapped portion of the 13-acre cell and in the contractor staging area.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 9:45 AM to 11:30 AM.







PHOTOGRAPHIC LOG							
Project Name:	Landfill Gas System Improvements	Date:	3/18/2024	Day: Monday			
Project Owner:	CRLCSWA	Contractor:	CEC				
HDR Project No.	10383401	Owner Project No.	N/A				



Mobilized Drilling Rig on top of uncapped portion of the 13-acre cell, facing northwest.



Skid Steer handling PVC for the gas wells, facing west.



Fabricated portions of the gas wells, facing northeast.



Mobilized Excavator west of the solid waste boundary, facing northwest.



Mobilized Off-Road Truck west of the solid waste boundary, facing west.



Mobilized Excavator on top of the uncapped portion of the 13-acre cell, facing northwest.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	3/19/2024			Report No.:	2		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 54			54
Contract Time to Substantial Complete: (Calendar Days):			214	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary March 19, 2024

	High	Low	Average		High	Low	Average
Temperature	62.4 °F	28.2 °F	45.0 °F	Wind Speed	22.8 mph	1.3 mph	8.2 mph
Dew Point	35.2 °F	13.6 °F	25,4 °F	Wind Gust	29.8 mph	-	11.1 mph
Humidity	60 %	33 %	47 %	Wind Direction		-	wsw
Precipitation	0.00 in	-		Direction			
				Pressure	30.14 in	29.83 in	-

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-19/2024-03-19/daily) Marion, IA.

CONST	CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
3	CEC	~8				
					_	

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
IMT AF125 Drilling Rig	CEC					
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
Volvo A25G Off-Road Truck	CEC					
Bell B25E Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		
Bid Item #6	36-IN Drilled and Well Completion	35 LF	Drilled Only		

WORK BEING PERFORMED:

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - CEC started work at around 8:00 AM and ended work around 3:30 PM.
 - CEC started drilling GW-19R at 11:58 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig to the south of the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck that hauled the drilled waste to the open face. A large quantity of soil was encountered starting at approximately 25-FT Depth.
 - CEC stopped drilling GW-19R at approximately 1:30 PM at approximately 35-FT of depth. CEC covered the
 excess drilled waste with soil. CEC placed two well grates over the drilled hole and surrounded the drilled
 hole with equipment.
 - CEC loaded the Bell B25E Off-Road Truck with filter pack with the Volvo EC200EL Excavator. CEC hauled the filter pack to GW-19R.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

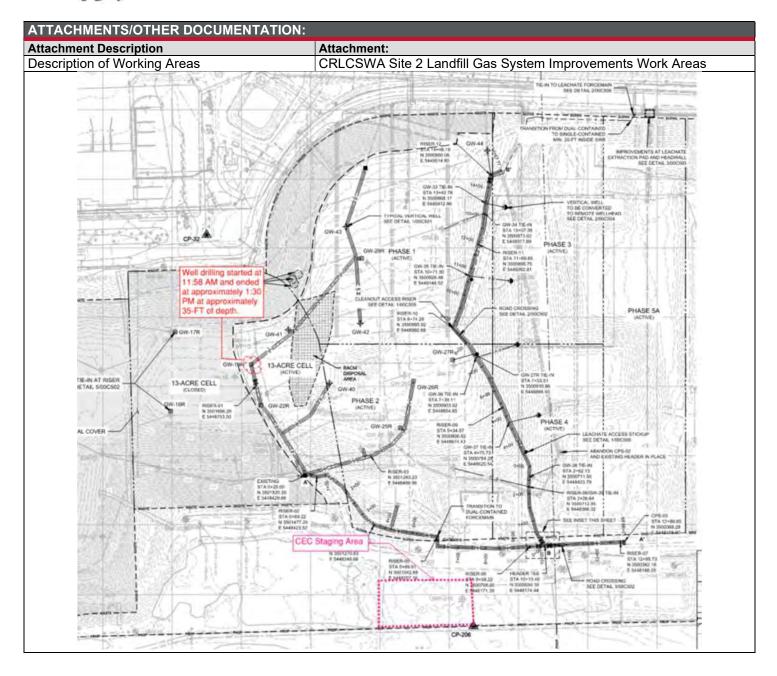
GENERAL OBSERVATIONS AND REMARKS

The Pre-Drill meeting was held this morning at 11:00 AM to 11:45 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:30 AM to 3:30 PM.







PHOTOGRAPHIC LOG					
Project Name:	Landfill Gas System Improvements	Date:	3/19/2024	Day: Tue	esday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		



Drilling Rig drilling GW-19R, facing northeast.



Excavator loading Off-Road truck with drilled waste, facing southeast.



Drilling Rig removing drilled material from its drill, facing east.



Large quantities of soil found starting at approximately 25-FT of depth.



Well Grate at 2:30 PM, facing northeast.



Off-Road Truck filled with filter pack, facing southwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	3/20/2024			Report No.:	3		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 55			55
Contract Time to Substantial Complete: (Calendar Days):			213	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary March 20, 2024

	High	Low	Average		High	Low	Average
Temperature	42.3 °F	24.4 °F	32.9 °F	Wind Speed	24.2 mph	0.0 mph	8.8 mph
Dew Point	25.0 °F	4.3 °F	12.3 °F	Wind Gust	29.8 mph	-	11.4 mph
Humidity	57 %	23 %	43 %	Wind	-	_	NNW
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.33 in	29.97 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-20/2024-03-20/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
3	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		
Bid Item #6	36-IN Drilled and Well Completion	30 LF	Drilled Only		
Bid Item #6	36-IN Drilled and Well Completion	65 LF	Well Completion		

WORK BEING PERFORMED:

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 7:00 PM.
 - CEC continued drilling GW-19R at approximately 2:30 PM with the IMT AF125 Drilling Rig. CEC placed the
 waste drilled from the IMT AF125 Drilling Rig to the south of the rig. CEC excavated the drilled waste with
 the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste
 in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-19R with the IMT AF125 Drilling Rig at a depth of 65-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 44-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 6:03 PM.

Work Not Observed, but in Progress

CEC continued to haul filter pack to their filter pack borrow area west of Phase 5A.

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

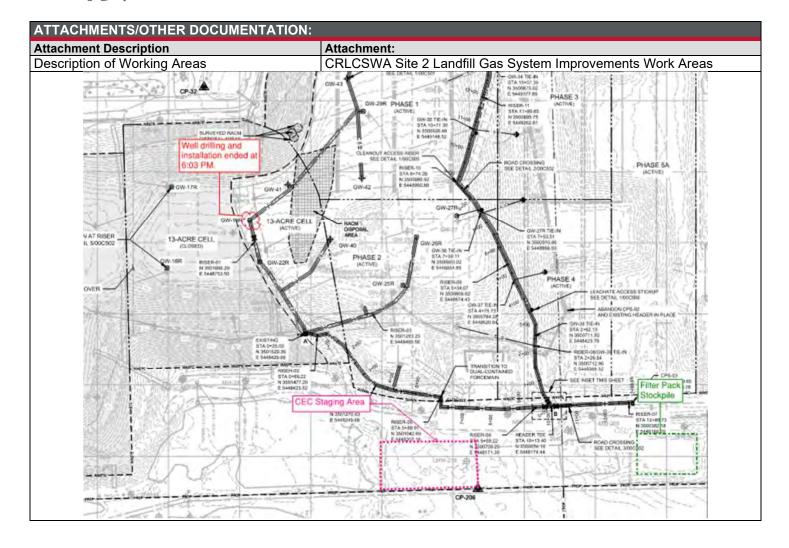
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

- HDR (Mike Walsh) was on-site from 7:00 AM to 7:00 PM.
- HDR (Katie Kinley) was on-site from 12:30 PM to 2:00 PM.





PHOTOGRAPH	IC LOG			
Project Name:	Landfill Gas System Improvements	Date:	3/20/2024	Day: Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC	
HDR Project No.	10383401	Owner Project No.	N/A	
	48			



Drilling Rig drilling GW-19R, facing east.



Excavator loading Off-Road Truck with drilled waste, facing southeast.



Drilling Rig lifting PVC piping, facing north.



Excavator backfilling well boring with filter pack, facing east.



CEC hydrating bentonite in the bucket of excavator, facing west.



Skid Steer placing well grate over GW-19R, facing east.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	3/21/2024			Report No.:	4		
Created By:	Mike Walsh	Mike Walsh		Total Count to Date: (Calendar Days):			56
Contract Time to Subs	tantial Com	olete: (Calendar Days):	212	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary March 21, 2024

	High	Low	Average		High	Low	Average
Temperature	42.6 °F	28.9 °F	34.9 °F	Wind Speed	11.6 mph	0.0 mph	4.1 mph
Dew Point	25.5 °F	7.7 °F	13.2 °F	Wind Gust	14.8 mph	-	5.6 mph
Humidity	64 %	32 %	41 %	Wind	_	_	ENE
Precipitation	0.00 in	4	-	Direction			
				Pressure	30.39 in	30.15 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-21/2024-03-21/daily) \ Marion, \ IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
3	CEC	~11			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
IMT AF125 Drilling Rig	CEC	
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
Volvo A25G Off-Road Truck	CEC	
Bell B25E Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item #6	36-IN Drilled and Well Completion	185 LF	Drilled and Well Completion

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 6:00 PM.
 - CEC continued started drilling GW-22R at 7:00 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-22R with the IMT AF125 Drilling Rig at a depth of 65-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 44-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 12:03 PM.
 - The process above was repeated for GW-40 and GW-41. Drilling for GW-40 started at 10:08 AM, the well drilled to a depth of 59-FT, one centralizer was added at a depth of 48-FT, and installation was completed at 2:16 PM. Drilling for GW-41 started at 1:16 PM, the well drilled to a depth of 61-FT, one centralizer was added at a depth of 50-FT, and installation was completed at 4:49 PM.
 - o CEC covered all the waste not delivered to the working face with soil in the Volvo A25G Off-Road Truck and Bell B25E Off-Road Truck.

Work Not Observed, but in Progress

CEC received a shipment of HDPE piping at 10:45 AM.

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

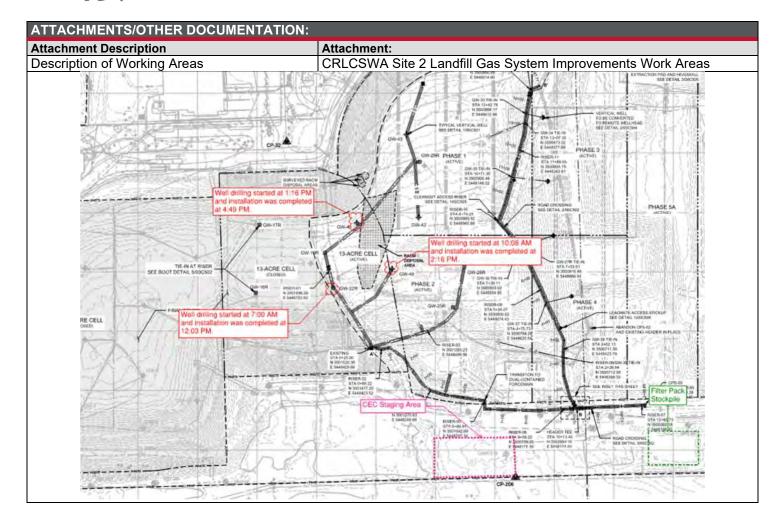
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:00 AM to 6:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	3/21/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Drilling	g Rig drilling GW-22R, facing east.	CEC hydrating be	ntonite in excavator	bucket, fa	acing northeast.
Drilling Rig L	ifting PVC piping for GW-40, facing west.	Well gr	ate on GW-22R, fac	ing northy	vest.
against a second and a second a					
Excavator backf	illing with filter pack on GW-41, facing south.	CEC placing ge	eocomposite ring on	GW-41, f	acing south.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:						
Report Date:	3/22/2024			Report No.:	5		
Created By:	Mike Walsh	١		Total Count to	Date: (Calend	lar Days):	57
Contract Time to Subs	stantial Comp	olete: (Calendar Days):	211	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary March 22, 2024

	High	Low	Average		High	Low	Average
Temperature	37.8 °F	25.7 °F	33.0 °F	Wind Speed	18.3 mph	0.0 mph	7.1 mph
Dew Point	31.5 °F	20.1 °F	27.7 °F	Wind Gust	22.8 mph	-	8.9 mph
Humidity	94 %	59 %	81 %	Wind	4	-	NNE
Precipitation	0.26 in	4	-	Direction			
				Pressure	30.38 in	30.12 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-22/2024-03-22/daily) \ Marion, \ IA.$

CONSTR	CONSTRUCTION WORK FORCE:					
Contractor Employee Subcontractor Employee						
No. Craft Hours on Site		No.	Craft	Hours on Site		
3	CEC	~12				

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:						
Item	Description	Installed QTY	Remarks			
Bid Item #6	36-IN Drilled and Well Completion	185 LF	Drilled and Well Completion			

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 6:30 AM and ended work around 6:30 PM.
 - CEC continued started drilling GW-29R at 6:52 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-29R with the IMT AF125 Drilling Rig at a depth of 100-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 45-FT and 75-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 2:40 PM.
 - The process above was repeated for GW-42. Drilling for GW-42 started at 12:41 PM, the well drilled to a depth of 85-FT, one centralizer was added at a depth of 45-FT and another at a depth of 75-FT, and installation was completed at 6:11 PM.
 - CEC covered all the waste not delivered to the working face with soil in the Volvo A25G Off-Road Truck and Bell B25E Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

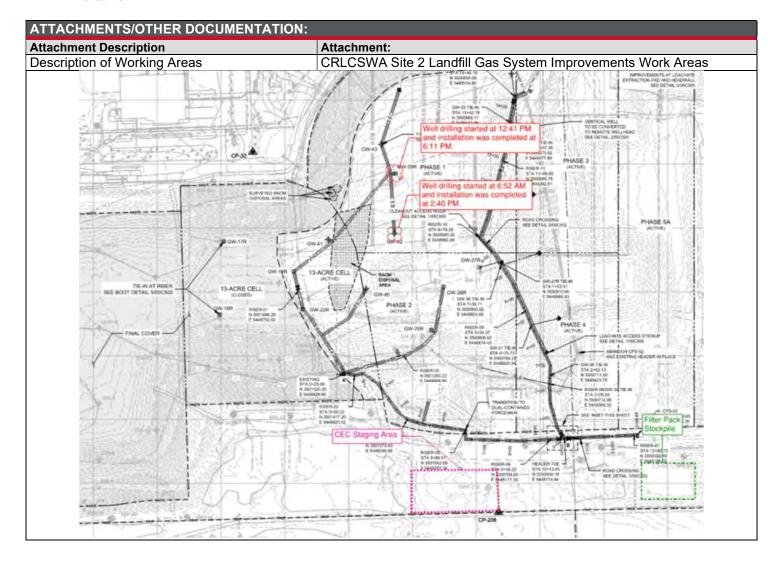
GENERAL OBSERVATIONS AND REMARKS

Snow/Sleet start before work began and ended at 11:30 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 6:30 AM to 6:30 PM.





PHOTOGRAPH	IIC LOG			
Project Name:	Landfill Gas System Improvements	Date:	3/22/2024	Day : Friday
Project Owner:	CRLCSWA	Contractor:	CEC	Duy.
HDR Project No.	10383401	Owner Project No.	N/A	
		COMMISS		
Drilling F	Rig drilling GW-29R, facing northeast.	CEC installing	a centralizer on G	W-29R, facing east.
CEC hydrating ber	ntonite in excavator bucket for GW-29R, facing southwest.	Drilling ope	rations on GW-42,	facing northeast.
				AF125
Waste found at ap	proximately 80-FT in GW-42, facing northeast.	CEC applying prime	r to PVC piping in	GW-42, facing northeast.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:						
Report Date:	3/25/2024		Report No.:	6		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	60
Contract Time to Subs	stantial Complete: (Calendar Days):	208	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary March 25, 2024

	High	Low	Average
Temperature	59.2 °F	41.7 °F	50.8 °F
Dew Point	52.5 °F	33.3 °F	44.2 °F
Humidity	92 %	65 %	78 %
Precipitation	0.01 in	-	4

	High	Low	Average
Wind Speed	21.3 mph	0.9 mph	6.9 mph
Wind Gust	25.1 mph	-	9.1 mph
Wind Direction	-	-	SSE
Pressure	29.78 in	29.48 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-25/2024-03-25/daily) \ Marion, \ IA.$

CONSTR	CONSTRUCTION WORK FORCE:						
Contractor Employee			Subcontractor Employee				
No. Craft Hours on Site		No.	Craft	Hours on Site			
3	CEC	~10.5					

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:						
Item	Description	Installed QTY	Remarks			
Bid Item #6	36-IN Drilled and Well Completion	135 LF	Drilled and Well Completion			

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 6:30 AM and ended work around 5:00 PM.
 - CEC continued started drilling GW-43 at 6:43 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-43 with the IMT AF125 Drilling Rig at a depth of 93-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 45-FT and 75-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 2:14 PM.
 - o The process above was repeated for GW-44. Drilling for GW-44 started at 11:24 AM, the well drilled to a depth of 42-FT, no centralizers were added, and installation was completed at 3:40 PM.
 - CEC covered all the waste not delivered to the working face with soil in the Volvo A25G Off-Road Truck and Bell B25E Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- CEC reported to HDR and CRLCSWA that the location of GW-25R is on a slope and would not allow for the drilling rig to be stable during drilling.
- CEC reported to HDR and CRLCSWA that the most optimal way to get equipment to the two wells on the final cap area is to remove one fence post and peel back the fencing.

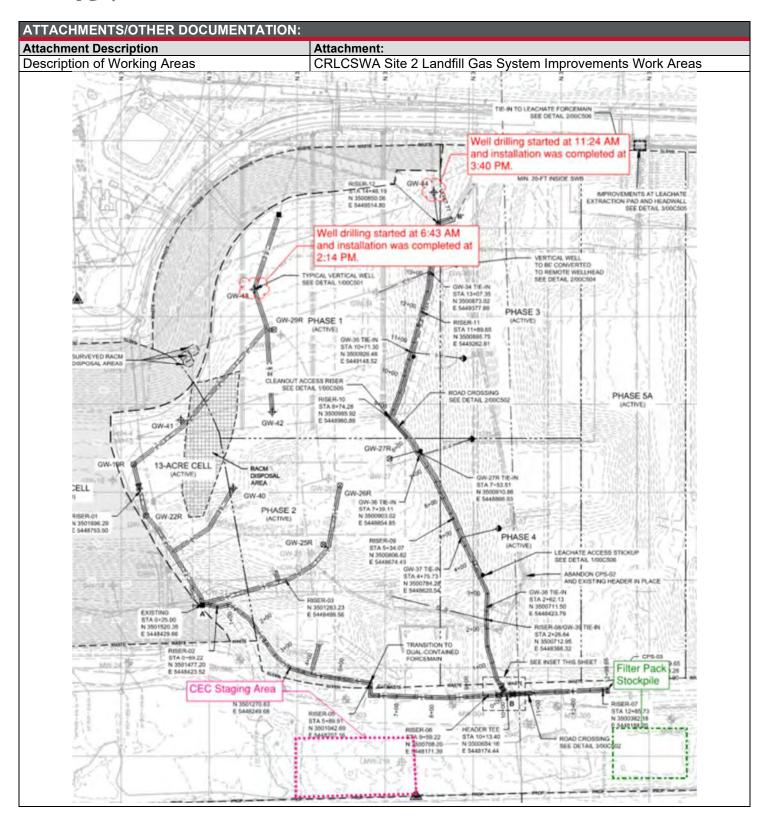
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 6:30 AM to 4:30 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	3/25/2024	Day: Monday	
Project Owner:	CRLCSWA	Contractor: CEC			
HDR Project No.	10383401	Owner Project No.	N/A		



Drilling operations on GW-43, facing west.



CEC adding a centralizer on GW-43, facing west.



CEC hydrating bentonite for GW-43, facing southwest.



Drilling Rig drilling GW-44, facing south.



CEC measuring depth of filter pack on GW-44, facing southeast.



Well grate over GW-44, facing southeast.



SCONSTRUCTION	SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	3/26/2024			Report No.: 7			
Created By:	Mike Walsh	ike Walsh		Total Count to Date: (Calendar Days): 61			61
Contract Time to Substantial Complete: (Calendar Days):		207	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024		10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary March 26, 2024

	High	Low	Average		High	Low	Average
Temperature	51.3 °F	27.7 °F	37.7 °F	Wind Speed	20.8 mph	0.4 mph	7.9 mph
Dew Point	48.4 °F	20.5 °F	33.5 °F	Wind Gust	26.2 mph	-	10.5 mph
Humidity	95 %	73 %	85 %	Wind Direction		-	wsw
Precipitation	0.42 in			Direction			
				Pressure	29.99 in	29.39 in	-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-26/2024-03-26/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:						
Contractor Employee Subcontractor Employee						
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
3	CEC	~13				

VISITORS:					
Time	Name	Remarks			

Equipment	Firm Operating	Description	
IMT AF125 Drilling Rig	CEC		
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
Volvo A25G Off-Road Truck	CEC		
Bell B25E Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
VOIVO EGZOUEL EXCAVAIOI	GEC		



DAILY QUANTITIES:						
Item	Description	Installed QTY	Remarks			
Bid Item #6	36-IN Drilled and Well Completion	189 LF	Drilled and Well Completion	1		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - CEC started work at around 6:30 AM and ended work around 7:30 PM.
 - CEC continued started drilling GW-26R at 6:44 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil. CEC had to switch to the wet bucket drill between the depths of 82-FT and 88-FT.
 - o CEC finished drilling GW-26R with the IMT AF125 Drilling Rig at a depth of 95-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 45-FT and 75-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 2:21 PM.
 - The process above expect for the wet bucket drill was repeated for GW-27R. Drilling for GW-27R started at 12:55 PM, the well drilled to a depth of 94-FT, one centralizer was added at a depth of 45-FT and another at a depth of 75-FT, and installation was completed at 7:00 PM.
 - CEC covered all the waste not delivered to the working face with soil in the Volvo A25G Off-Road Truck and Bell B25E Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

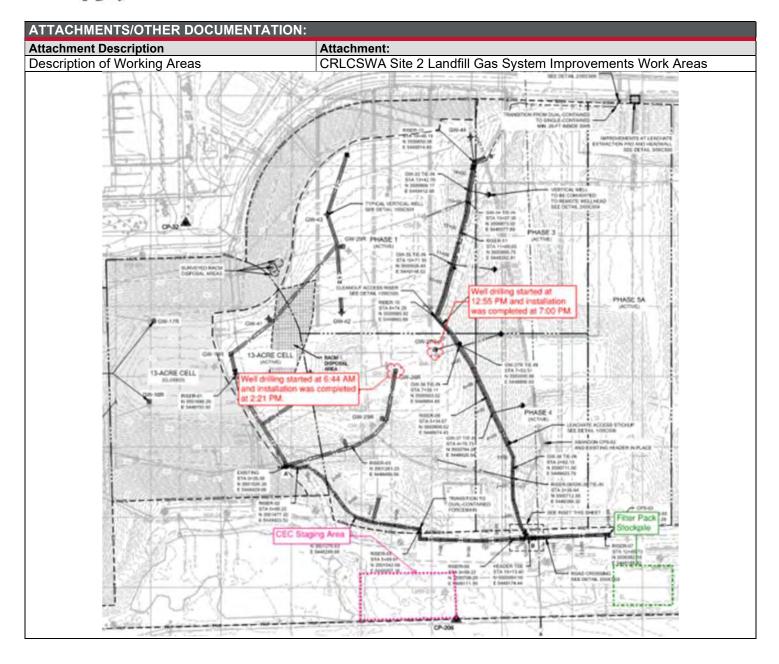
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 6:30 AM to 7:15 PM.







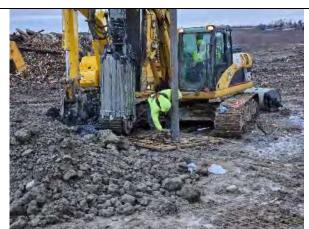
PHOTOGRAPHIC LOG							
Project Name:	Landfill Gas System Improvements	Date:	3/26/2024	Day:	Tuesday		
Project Owner:	CRLCSWA	Contractor:	CEC				
HDR Project No.	10383401	Owner Project No.	N/A				



Drilling Rig drilling GW-26R, facing southwest.



CEC switching to the wet bucket at a depth of 82-FT on GW-26R, facing northeast.



CEC installing screws in the PVC connection on GW-26R, facing southeast.



Drilling operations for GW-27R, facing north.



CEC installing the geocomposite ring on GW-27R, facing south.



Excavator placing one of the bentonite seals for GW-27R, facing south.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	3/27/2024		Report No.:	.: 8			
Created By:	Mike Walsh		Total Count to Date: (Calendar Days):		62		
Contract Time to Substantial Complete: (Calendar Days): 2		206	Notice to Proceed Date:			1/25/2024	
Substantial Completic	on Date: 10/18/2024		Final Completi	ion Date:	10/31/202	4	

Summary March 27, 2024

	High	Low	Average
Temperature	41.9 °F	23.2 °F	31.8 °F
Dew Point	24.4 °F	18.0 °F	20.0 °F
Humidity	82 %	40 %	63 %
Precipitation	0.00 in	-	_

	High	Low	Average
Wind Speed	17.2 mph	0.4 mph	5.9 mph
Wind Gust	22.8 mph	-	7.9 mph
Wind Direction	-	-	WNW
Pressure	30.24 in	29.99 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-27/2024-03-27/daily) Marion, IA.

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
3	CEC	~11.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
IMT AF125 Drilling Rig	CEC			
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
Volvo A25G Off-Road Truck	CEC			
Bell B25E Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item #6	36-IN Drilled and Well Completion	131 LF	Drilled and Well Completion

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 6:30 AM and ended work around 6:00 PM.
 - CEC continued started drilling GW-17R at 6:52 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-17R with the IMT AF125 Drilling Rig at a depth of 62-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 45-FT of depth. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 11:29 AM.
 - The process above expect for the wet bucket drill was repeated for GW-16R. Drilling for GW-16R started at 9:52 AM, the well drilled to a depth of 69-FT, one centralizer was added at a depth of 45-FT, and installation was completed at 4:06 PM.
 - CEC covered all the waste not delivered to the working face with soil in the Volvo A25G Off-Road Truck and Bell B25E Off-Road Truck.
 - CEC leveled out ruts made with heavy equipment on the final cover portion with the Volvo EC200EL Excavator.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

 CEC reported to HDR that CEC will fix the ruts made by their heavy equipment on the final cap portion of the landfill.

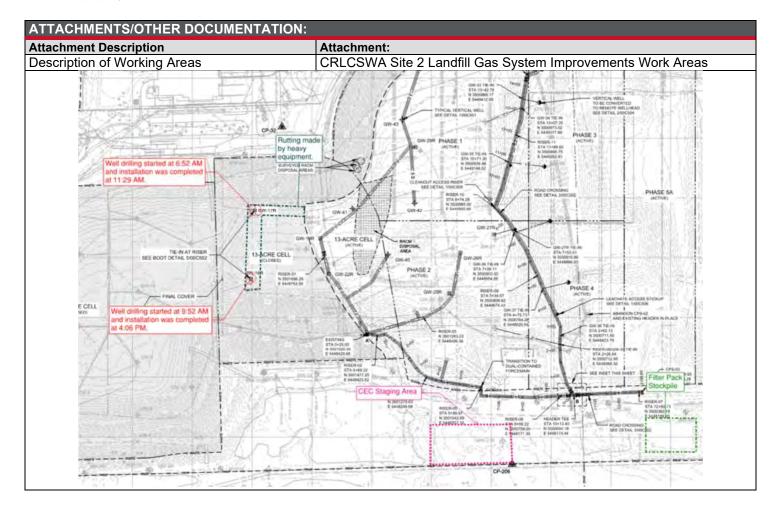
GENERAL OBSERVATIONS AND REMARKS

- CEC mobilized a piping equipment trailer at 9:55 AM today.
- CEC received a shipment of HDPE piping at 2:30 PM today.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 6:30 AM to 4:45 PM.





PHOTOGRAPH		_	_	_	_
			3/27/2024		Wednesday
Project Name:	Landfill Gas System Improvements	Date:		Day:	Wednesday
Project Owner: HDR Project No.	CRLCSWA 10383401	Contractor: Owner Project No.	CEC N/A		
Drilling	g Rig drilling GW-17R, facing east.	CEC applying prime	r to the PVC piping	on GW-1	7R, facing south.
Drilling of	operations on GW-16R, facing south.	Drilling Rig rais	ing PVC piping for	GW-16R,	facing east.
Rutting on	the final cover potion, facing southeast.	Excavator leveling	out rutting on the southwest.		r portion, facing



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	3/28/2024		Report No.:	9		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	63
Contract Time to Substantial Complete: (Calendar Days):		205	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024			Final Completi	ion Date:	10/31/202	4

Summary March 28, 2024

	High	Low	Average		High	Low	Average
Temperature	54.5 °F	28.9 °F	37.9 °F	Wind Speed	9.6 mph	0.0 mph	2.1 mph
Dew Point	32.9 °F	20.1 °F	27.1 °F	Wind Gust	11.4 mph	-	2.7 mph
Humidity	84 %	40 %	67 %	Wind	_	_	NNE
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.26 in	30.12 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-28/2024-03-28/daily) \ Marion, \ IA.$

CONSTR	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~10			

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item #6	36-IN Drilled and Well Completion	84 LF	Drilled and Well Completion

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 6:30 AM and ended work around 4:30 PM.
 - CEC continued started drilling GW-25R at 6:34 AM with the IMT AF125 Drilling Rig. CEC placed the waste drilled from the IMT AF125 Drilling Rig next to the rig. CEC excavated the drilled waste with the Komatsu PC210LC Excavator and placed the waste in the Bell B25E Off-Road Truck. The drilled waste in the bed of the Volvo A25G Off-Road Truck was covered with soil.
 - o CEC finished drilling GW-25R with the IMT AF125 Drilling Rig at a depth of 84-FT. CEC placed the well grate over the drilled hole with the Bobcat T770 Skid Steer. CEC connected placed a centralizer at approximately 45-FT of depth and 75-FT. CEC connected the two pieces of pipe with primer, glue, and screws. CEC lifted the pipe approximately 1-FT in the air and backfilled filter pack underneath it. CEC backed up the Bell B25E Off-Road truck to the drilled hole and used the Komatsu PC210LC Excavator to place filter pack backfill into the drilled hole. CEC placed a geocomposite ring. CEC placed 1-FT of clean soil on top of the geocomposite ring with the Komatsu PC210LC Excavator. CEC mixed chipped bentonite with water in the bucket of the Komatsu PC210LC and then placed the hydrated bentonite in the hole. CEC placed 4-FT of clean soil on top of the 2-FT bentonite seal with the Komatsu PC210LC Excavator. CEC mixed another bentonite slurry in the bucket of the Komatsu PC210LC and placed the hydrated bentonite in the hole. CEC filled the hole to the ground surface with clean soil with the Komatsu PC210LC. CEC placed the well grate on the ground surface with the Bobcat T770 Skid Steer. CEC measured depth with a weighted tape measure throughout the installation of well materials. Installation activities ended at 12:11 PM.
 - CEC leveled out ruts made with heavy equipment on the final cover portion and non-capped portions with the Komatsu PC210LC Excavator. CEC brought soil to deeper ruts with the Volvo A25G Off-Road Truck.
 - o CEC welded 6-in HDPE piping near the filter pack storage area.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

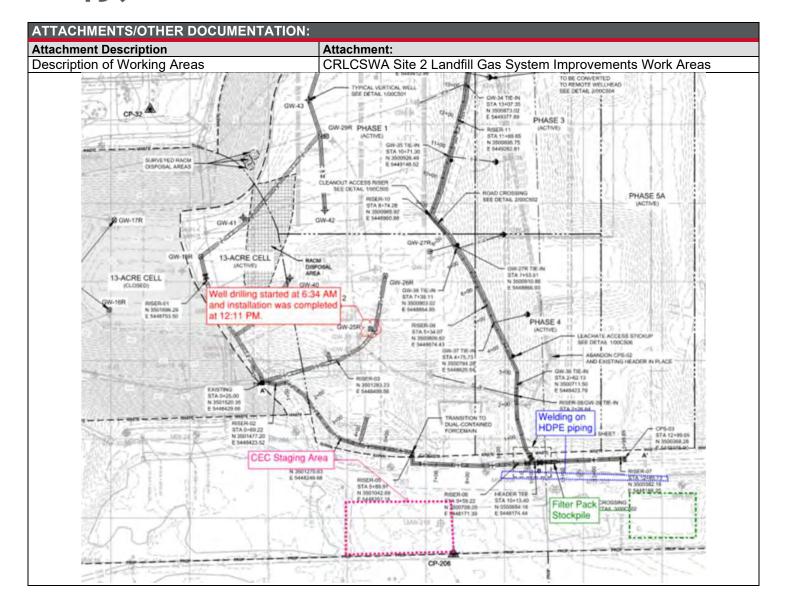
GENERAL OBSERVATIONS AND REMARKS

- CEC started to demobilize some of the drilling crew equipment.
- The piping pre-construction meeting was held today at 9:00 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 6:30 AM to 2:00 PM.







PHOTOGRAPHIC LOG					
Project Name:	Landfill Gas System Improvements	Date:	3/28/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
			TAY SEED IF	5	Mise of a
Drilling	g Rig drilling GW-25R, facing north.	Wet/liquid waste end	ountered below 40 facing north		drilling GW-25R
	CCC AF125				
CEC installing	ng a centralizer on GW-25R, facing north.	CEC I	nydrating bentonite	e, facing ea	ast.
Wel	I grate on GW-25R, facing north.	Off-Road Truck t	illing in ruts on the	final cap,	facing south.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	3/29/2024			Report No.:	10		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 64			64
Contract Time to Substantial Complete: (Calendar Days): 204			Notice to Prod	eed Date:		1/25/2024	
Substantial Completion	on Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary March 29, 2024

High	Low	Average		High	Low	Average
59.5 °F	29.5 °F	46.7 °F	Wind Speed	19.5 mph	0.0 mph	5.6 mph
45.5 °F	24.3 °F	34.1 °F	Wind Gust	23.9 mph	-	7.8 mph
85 %	47 %	62 %	Wind Direction		-	ESE
0.16 in	-		Pressure	30.17 in	29.78 in	11
	59.5 °F 45.5 °F 85 %	59.5 °F 29.5 °F 45.5 °F 24.3 °F 85 % 47 %	59.5 °F 29.5 °F 46.7 °F 45.5 °F 24.3 °F 34.1 °F 85 % 47 % 62 %	59.5 °F 29.5 °F 46.7 °F Wind Speed 45.5 °F 24.3 °F 34.1 °F Wind Gust 85 % 47 % 62 % Wind Direction	59.5 °F 29.5 °F 46.7 °F Wind Speed 19.5 mph 45.5 °F 24.3 °F 34.1 °F Wind Gust 23.9 mph 85 % 47 % 62 % Wind Direction	59.5 °F 29.5 °F 46.7 °F Wind Speed 19.5 mph 0.0 mph 45.5 °F 24.3 °F 34.1 °F Wind Gust 23.9 mph 85 % 47 % 62 % Wind Direction

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-29/2024-03-29/daily) Marion, IA.

CONSTRU	CONSTRUCTION WORK FORCE:					
Contractor Employee Subcontractor Employee						
No.	No. Craft Hours on Site		No.	Craft	Hours on Site	
6	CEC	~10				

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



14	B	L. C. II. LOTY	Domarka
Item	Description	Installed Q I Y	Remarks
	I	1	

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 5:00 PM.
 - o CEC welded 6-IN HDPE piping into 80-FT runs near the filter pack storage area.
 - o CEC offloaded material shipments with the Bobcat T770 Skid Steer and stored the materials near the filter pack stockpile area.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

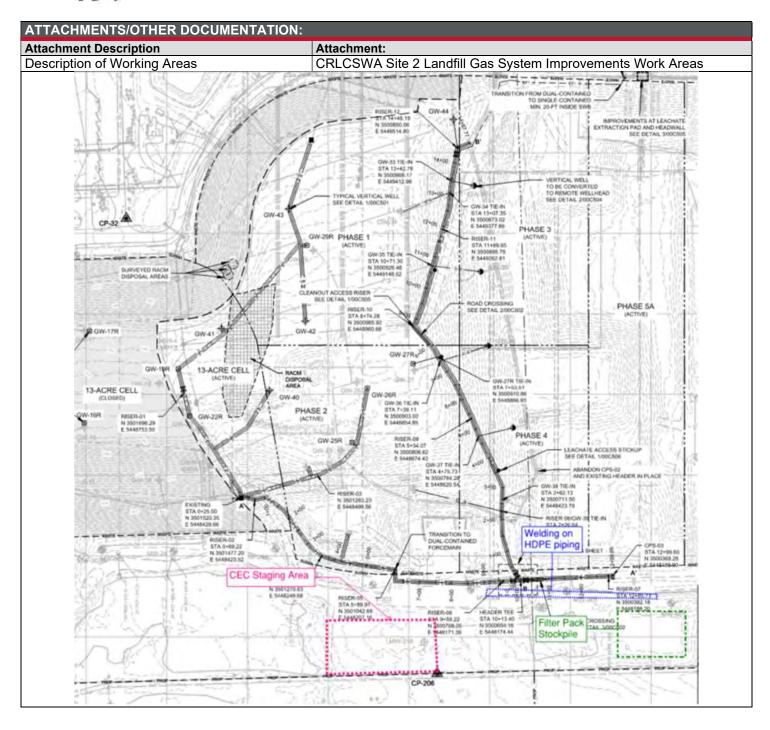
GENERAL OBSERVATIONS AND REMARKS

- An HDPE piping shipment arrived at 9:15 AM and 10:40 AM today.
- A shipment of pipe fittings arrived at 10:25 AM today.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 11:15 AM.







PHOTOGRAPI	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	3/29/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
6-IN HDPE	Pipe welding operations, facing northeast.	6-IN HDPE F	Pipe welding opera	ations, faci	ng north.
6-IN HDP	E Pipe welding operations, facing east.	6-IN HDPE Pip	e welding operation	ons, facing	northeast.
			pret a Company of the		
6-IN HDPE	Pipe welding operations, facing northeast.	Shipmen	t of pipe fittings, fa	icing north	west.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	3/30/2024			Report No.:	11		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 65		
Contract Time to Substantial Complete: (Calendar Days):			203	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary March 30, 2024

	High	Low	Average		High	Low	Average
Temperature	62.2 °F	38.1 °F	49.8 °F	Wind Speed	17.2 mph	0.0 mph	5.6 mph
Dew Point	45.5 °F	36.0 °F	41.0 °F	Wind Gust	22.8 mph	-	7.4 mph
Humidity	92 %	46 %	73 %	Wind Direction			North
Precipitation	0.25 in			Pressure	30.05 in	29.76 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-03-30/2024-03-30/daily) \ Marion, IA.$

CONSTR	CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
6	CEC	~9				

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:	EQUIPMENT LIST:					
Equipment	Firm Operating	Description				
IMT AF125 Drilling Rig	CEC					
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
Volvo A25G Off-Road Truck	CEC					
Bell B25E Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					



	B	L. CTV	B 1
Item	Description	Installed Q I Y	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 8:00 AM and ended work around 5:00 PM.
 - o CEC welded 4-IN HDPE piping into 100-FT runs near the filter pack storage area.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

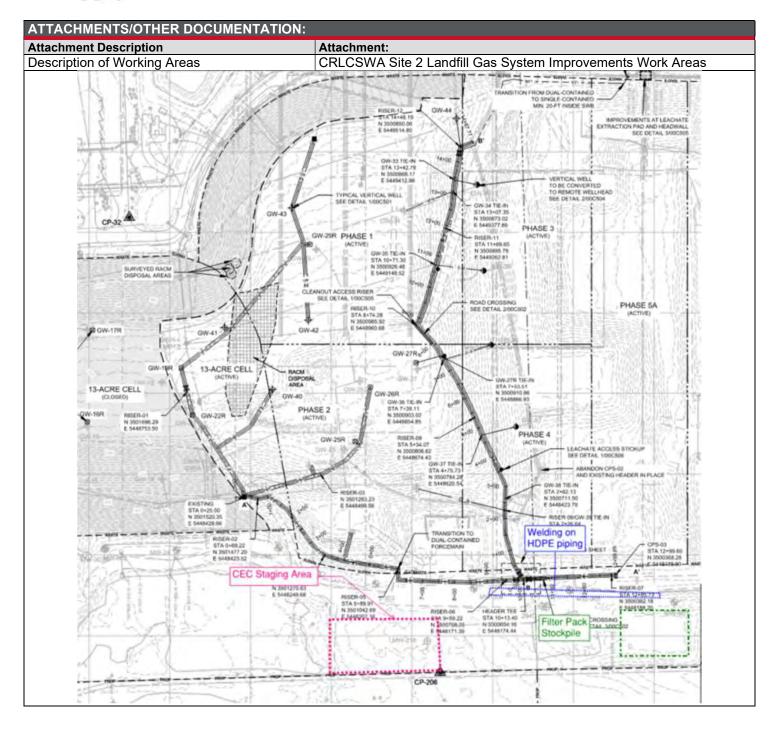
GENERAL OBSERVATIONS AND REMARKS

• N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 11:00 AM to 12:30 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	3/30/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC		
IDR Project No.	10383401	Owner Project No.	N/A		
HDPE Piping ru	ins made today and yesterday, facing south.	4-IN HDPE pip	ing fusing operation	ons, facing	southeast.
4-IN HDPE p	oiping fusing operations, facing northeast.	4-IN HDPE pip	oing fusing operation	ons, facing	northeast.

4-IN by 8-IN dual contained HDPE piping in stockpile area, facing south.

HDPE fusion welding machine for piping larger than 6-IN, facing north.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	4/1/2024			Report No.:	12		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 67		
Contract Time to Substantial Complete: (Calendar Days):			201	Notice to Proceed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary April 1, 2024

	High	Low	Average		High	Low	Average
Temperature	44.2 °F	39.0 °F	42.3 °F	Wind Speed	20.6 mph	0.7 mph	7.1 mph
Dew Point	42.3 °F	36.9 °F	39.6 °F	Wind Gust	26.2 mph	9	9.8 mph
Humidity	94 %	85 %	90 %	Wind Direction	-	-	ENE
Precipitation	0.09 in		-	Pressure	29.98 in	29.80 in	**

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-01/2024-04-01/daily) \ Marion, IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
6	CEC	~5.5			

VISITORS:					
Time	Name	Remarks			

Equipment	Firm Operating	Description
IMT AF125 Drilling Rig	CEC	
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Bell B25E Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 12:30 PM.
 - o CEC welded 4-IN HDPE piping into 100-FT runs near the filter pack storage area.
 - o CEC welded 12-IN HDPE piping into 80-FT runs on the south side of Phase 5.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

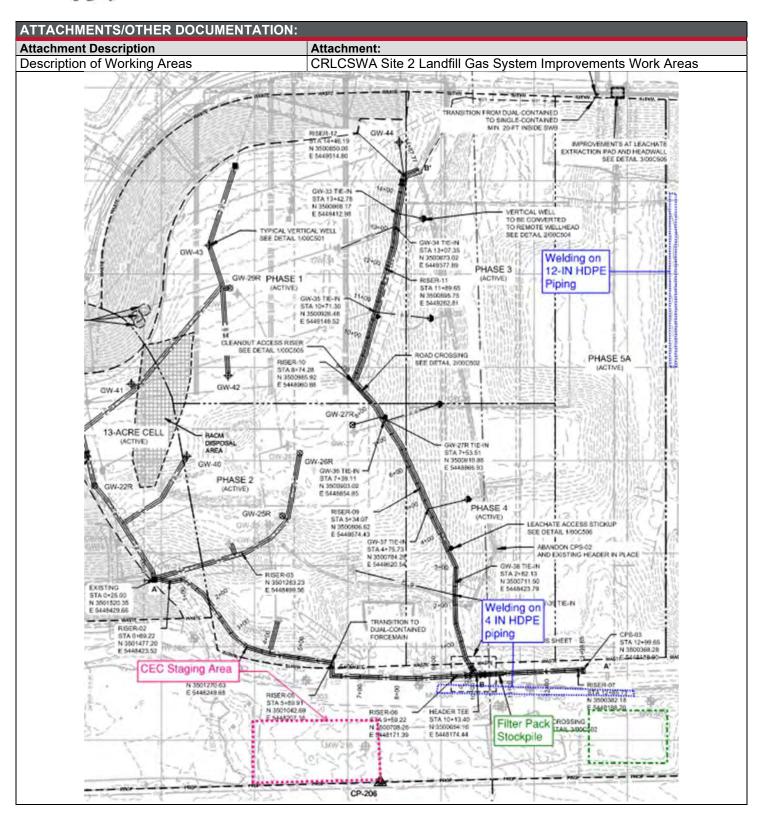
GENERAL OBSERVATIONS AND REMARKS

Precipitation started at approximately 11:30 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:30 AM to 11:30 AM.







PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/1/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
4-IN HDPE	piping fusing operation, facing southeast.	4-IN HDPE	piping fusing ope	ration, faci	ng east.
4-IN HDPE	piping fusing operation, facing northeast.	12-IN HDPE pi	ping fusing opera	tion, facing	northwest.
12-IN HDPE	piping fusing operation, facing northwest.	12-IN HDPE	piping fusing ope	eration, fac	ing west.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:						
Report Date:	4/2/2024			Report No.:	13		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 68		
Contract Time to Substantial Complete: (Calendar Days):		200	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024		10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 2, 2024

	High	Low	Average		High	Low	Average
Temperature	40.1 °F	32.7 °F	36.4 °F	Wind Speed	28.0 mph	3.4 mph	12.4 mph
Dew Point	38.3 °F	30.9 °F	34.3 °F	Wind Gust	40.0 mph	-	15.8 mph
Humidity	95 %	87 %	93 %	Wind Direction	-		
Precipitation	1.43 in	**	+	Pressure	29.82 in	29.64 in	4

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-02/2024-04-02/daily) \ Marion, IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor Employee Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site
0	CEC	0			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to rainy conditions.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

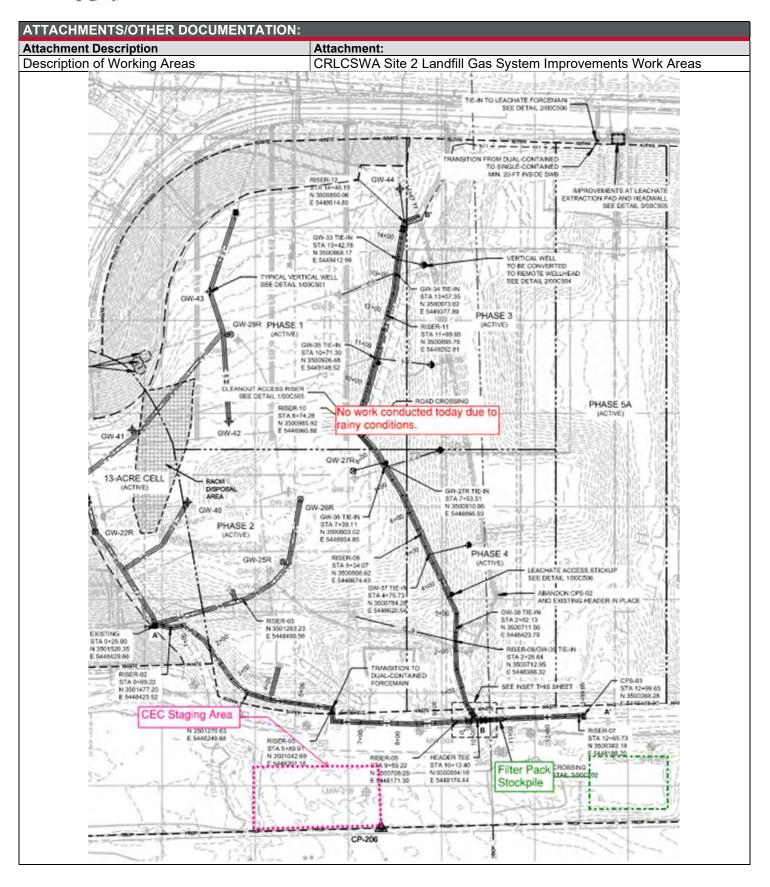
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 7:45 AM to 8:00 AM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/2/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Weather condit	ions at approximately 7:50 AM, facing west.	Weather condition	s at approximate	ely 7:50 AM	, facing south.
Weather condition	s at approximately 7:50 AM, facing southeast.	Weather conditions	at approximately	7:50 AM, f	acing northeast.
Weather condit	ions at approximately 7:50 AM, facing east.	Weather condition	ns at approximat	ely 7:50 AM	I, facing east.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ΓA:					
Report Date:	4/3/2024		Report No.:	14		
Created By:	Mike Walsh	Mike Walsh		Total Count to Date: (Calendar Days):		
Contract Time to Subs	tantial Complete: (Calendar Days):	199	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 3, 2024

	High	Low	Average		High	Low	Average
Temperature	41.2 °F	32.7 °F	35.7 °F	Wind Speed	36.0 mph	4.0 mph	16.6 mph
Dew Point	35.2 °F	29.1 °F	31.6 °F	Wind Gust	49.0 mph	=	21.3 mph
Humidity	94 %	74 %	85 %	Wind Direction		75	NNW
Precipitation	0.19 in			Pressure	29.80 in	29.57 in	+

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-03/2024-04-03/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No. Craft H			
0	CEC	0			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to snowy conditions.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

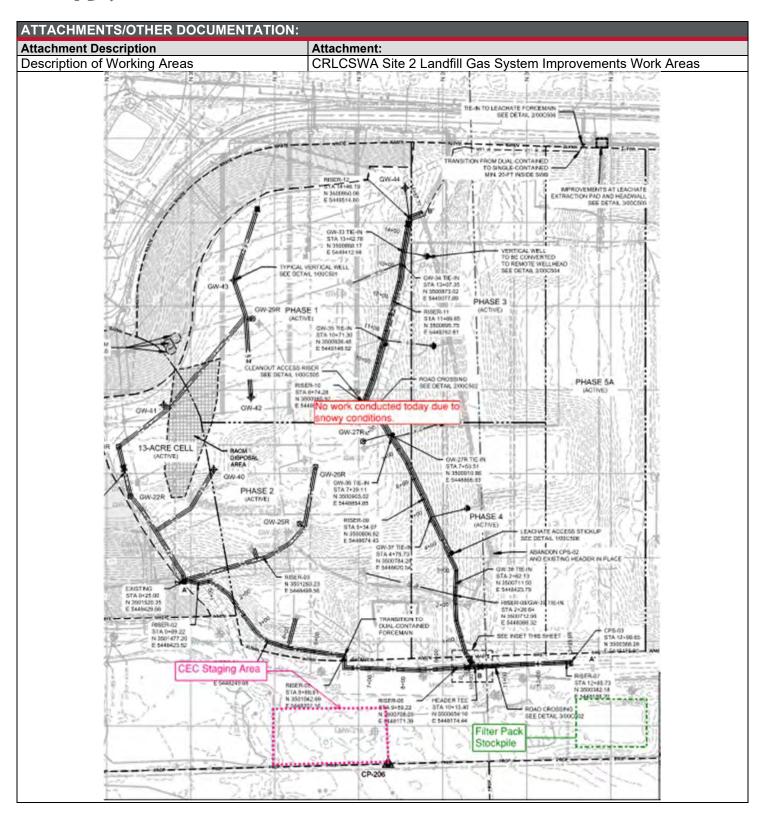
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 7:45 AM to 8:00 AM.







PHOTOGRAPH	IC LOG			
Project Name:	Landfill Gas System Improvements	Date:	4/3/2024	Day: Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC	
HDR Project No.	10383401	Owner Project No.	N/A	
			Real Park	
Site condition	s at approximately 7:50 AM, facing north.	Site conditions a	it approximately 7:5	0 AM, facing south.
Site conditions a	at approximately 7:50 AM, facing northeast.	Site conditions a	at approximately 7:5	50 AM, facing south.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	4/4/2024			Report No.:	15		
Created By:	Mike Walsh			Total Count to	Date: (Calend	lar Days):	70
Contract Time to Substantial Complete: (Calendar Days): 198			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary April 4, 2024

	High	Low	Average		High	Low	Average
Temperature	44.8 °F	33.8 °F	38.4 °F	Wind Speed	28.9 mph	0.2 mph	10.7 mph
Dew Point	35.6 °F	28.9 °F	31.9 °F	Wind Gust	35.3 mph	-	13.4 mph
Humidity	84 %	64 %	78 %	Wind Direction	-	-	NNW
Precipitation	0.00 in	2	-	Pressure	30.16 in	29.77 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-04/2024-04-04/daily) \ Marion, IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
7	CEC	~10			

VISITORS:				
Time	Name	Remarks		

uipment	Firm Operating	Description	
T AF125 Drilling Rig	CEC		
matsu PC210LC Excavator	CEC		
bcat T770 Skid Steer	CEC		
Volvo A25G Off-Road Truck	CEC		
ell B25E Off-Road Truck	CEC		
olvo EC200EL Excavator	CEC		
IVO ECZOCEL EXCAVATOI	CEC		



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - o CEC performed an inventory on all piping and pipe fittings that have arrived on-site.
 - o CEC brought 12-IN and 10-IN HPDE piping to the south side of Phase 5B with the Volvo EC200EL Excavator.
 - CEC cut a run of 4-IN and 6-IN HDPE piping into approximately 8-FT sections on the west side of Phase 5A.
 CEC welded 90-degree elbows to the ends of the 4-IN and 6-IN HDPE pipe sections.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

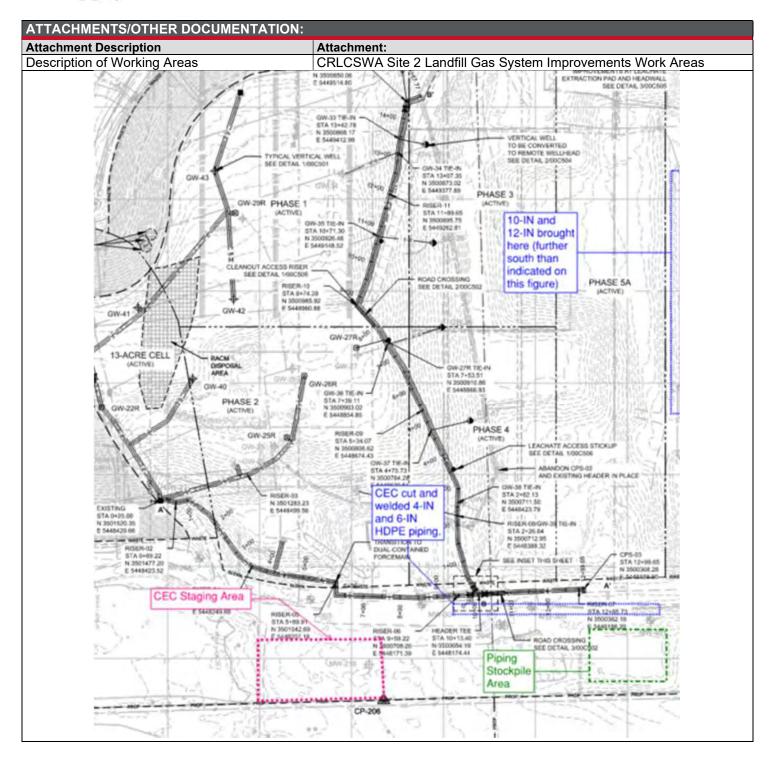
GENERAL OBSERVATIONS AND REMARKS

• Conditions on-site are heavily impacted from the previous couple days' weather.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 7:30 AM to 3:00 PM.







PHOTOGRAPH			4/4/2024	Thursday
Project Name:	Landfill Gas System Improvements	Date:		Day: Thursday
Project Owner:	CRLCSWA	Contractor:	CEC	
HDR Project No.	10383401	Owner Project No.	N/A	

CEC taking inventory of pipe fittings, facing northeast.

CEC cutting 4-IN and 6-IN HDPE piping, facing northeast.



6-IN HDPE piping welding operations, facing east.



Excavator bringing 10-IN HDPE piping to the south side of Phase 5B, facing northwest.



6-IN HDPE piping welding operations, facing southeast.



6-IN HDPE piping with 90-degree elbows, facing south.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:						
Report Date: 4/5/2024 Report No.: 16						
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	71
Contract Time to Substantial Complete: (Calendar Days): 197		197	Notice to Proceed Date:		1/25/2024	
Substantial Completio	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 5, 2024

	High	Low	Average		High	Low	Average
Temperature	53.8 °F	30.0 °F	41.0 °F	Wind Speed	16.8 mph	0.0 mph	3.9 mph
Dew Point	35.6 °F	26.8 °F	31.6 °F	Wind Gust	19.5 mph	-	5.1 mph
Humidity	89 %	46 %	71 %	Wind Direction	-	-	NE
Precipitation	0.00 in			Pressure	30.31 in	30.14 in	- 22

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-05/2024-04-05/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contractor Employee Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site
7	CEC	~10			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST: Equipment	Firm Operating	Description	
- ' '	Firm Operating	Description	
IMT AF125 Drilling Rig	CEC		
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Bell B25E Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - o CEC fused 6-IN HDPE piping into approximately 100-FT runs on the west side of Phase 5A.
 - o CEC fused 12-IN HDPE piping into varying run lengths with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - o CEC mobilized a McElory TracStar Fusion Machine.
 - o CEC fused 10-IN HDPE piping into varying run lengths with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - o CEC cut 2-IN and 6-IN HDPE piping with a reciprocating saw into approximately 8-FT sections on the west side of Phase 5A.
 - o CEC fused pipe fittings to 2-IN, 4-IN, and 6-IN HDPE piping on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

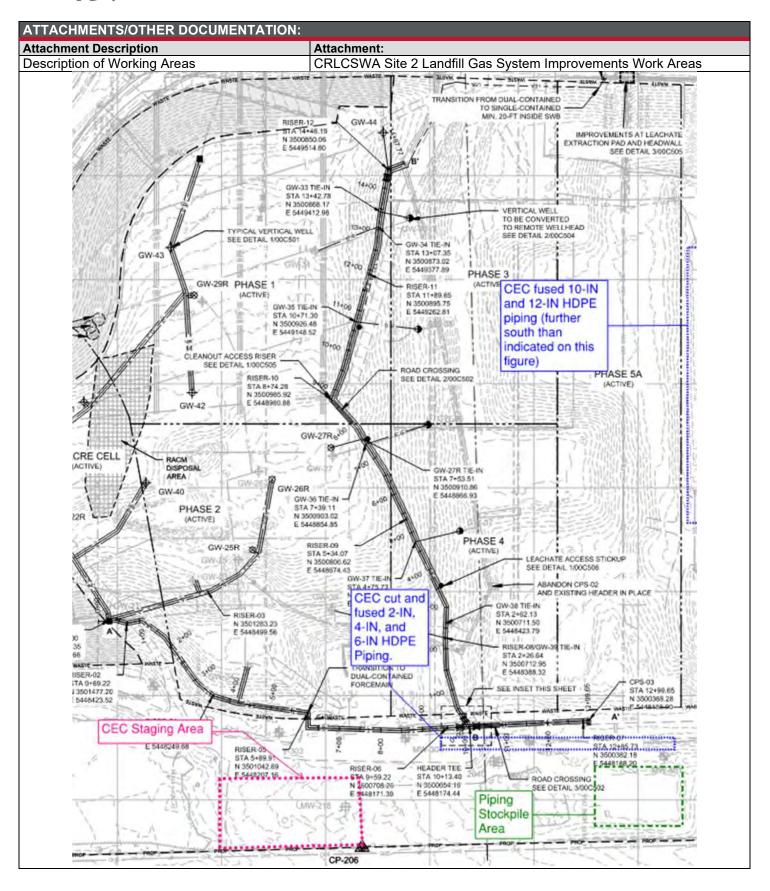
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:30 AM to 3:15 PM.





PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/5/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
6-IN HDPE	piping fusing operations, facing northeast.	12-IN HDPE pip	oing fusing operat	ions, facino	g northwest.
e e					
Fusion Machine	e fusing 12-IN HDPE piping, facing northeast.	4-IN HDPE piping fu	sing to various pi	pe fittings,	facing northeast.
HDEP pipe	fitting fusion operations, facing northeast.	10-IN HDPE pi	ping fusing opera	tions, facin	g southeast.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date: 4/6/2024 Report No.: 17						
Created By:	Mike Walsh	Mike Walsh		Date: (Calend	lar Days):	72
Contract Time to Subs	Contract Time to Substantial Complete: (Calendar Days):		Notice to Proceed Date:			1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Completi	ion Date:	10/31/202	4

Summary April 6, 2024

	High	Low	Average		High	Low	Average
Temperature	55.9 °F	27.9 °F	42.8 °F	Wind Speed	20.4 mph	0.0 mph	6.2 mph
Dew Point	37.2 °F	25.0 °F	32.4 °F	Wind Gust	28.6 mph	-	8.7 mph
Humidity	90 %	44 %	69 %	Wind Direction	-		SE
Precipitation	0.00 in	4		Pressure	30.35 in	30.03 in	4-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-06/2024-04-06/daily) \ Marion, \ IA.$

CONSTR	CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
7	CEC	~10				

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
IMT AF125 Drilling Rig	CEC	
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Bell B25E Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - o CEC fused 10-IN HDPE piping into vary run lengths with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - o CEC fused 4-IN x 8-IN dual contained HDPE piping into varying run lengths on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

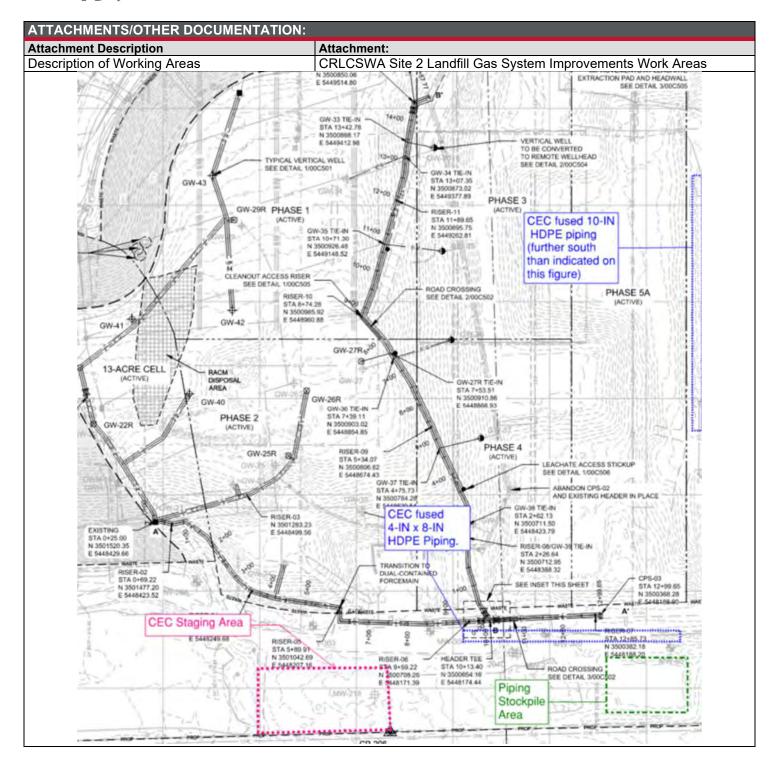
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 11:30 AM.







PHOTOGRAPHIC LOG					
Project Name:	Landfill Gas System Improvements	Date:	4/6/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		



4-IN x 8-IN HDPE piping fusing operations, facing northeast.



4-IN x 8-IN HDPE piping fusing operations, facing east.



10-IN HDPE piping fusing operations, facing southeast.



Excavator loading 10-HDPE piping onto the Fusion Machine, facing west.



10-IN HDPE piping fusing operations, facing south.



10-IN HDPE piping fusing operations, facing southwest.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	4/8/2024	4/8/2024			Report No.: 18		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 74		
Contract Time to Substantial Complete: (Calendar Days):		194	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 8, 2024

	High	Low	Average		High	Low	Average
Temperature	67.1 °F	46.6 °F	56.2 °F	Wind Speed	20.1 mph	0.0 mph	7.1 mph
Dew Point	47.3 °F	38.5 °F	42.7 °F	Wind Gust	25.1 mph	4.	8.9 mph
Humidity	86 %	43 %	62 %	Wind Direction	÷	-	sw
Precipitation	0.00 in	-	+	Pressure	29.99 in	29.77 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-08/2024-04-08/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
7	CEC	~12			

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
IMT AF125 Drilling Rig	CEC			
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Bell B25E Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 11	10-IN HDPE Gas Header	240	Approximately STA 0+50 to 2+90
Bid Item 13	4-IN HDPE Condensate	240	Approximately STA 0+50 to 2+90
Bid Item 15	2-IN HDPE Air	240	Approximately STA 0+50 to 2+90
Bid Item 22	Trench Depth 4-FT to 8-FT	222	Approximately STA 0+50 to 2+72

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - o CEC fused various pipe fittings to varying sizes of HDPE on the west side of Phase 5A.
 - CEC started to trench at approximately STA 0+50 to STA 2+90 on the 10-IN HDPE gas header on the west side of Phase 4. CEC excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC fused Riser-08 into place within the trench. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level. CEC backfilled the rest of the trench to surface level with the Komastu PC210LC Excavator.
 - o CEC installed Riser-08, allowed for the GW-39 tie-in by installing a 10-IN to 6-IN HDPE tee, and partially installed the isolation valve for the gas header.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

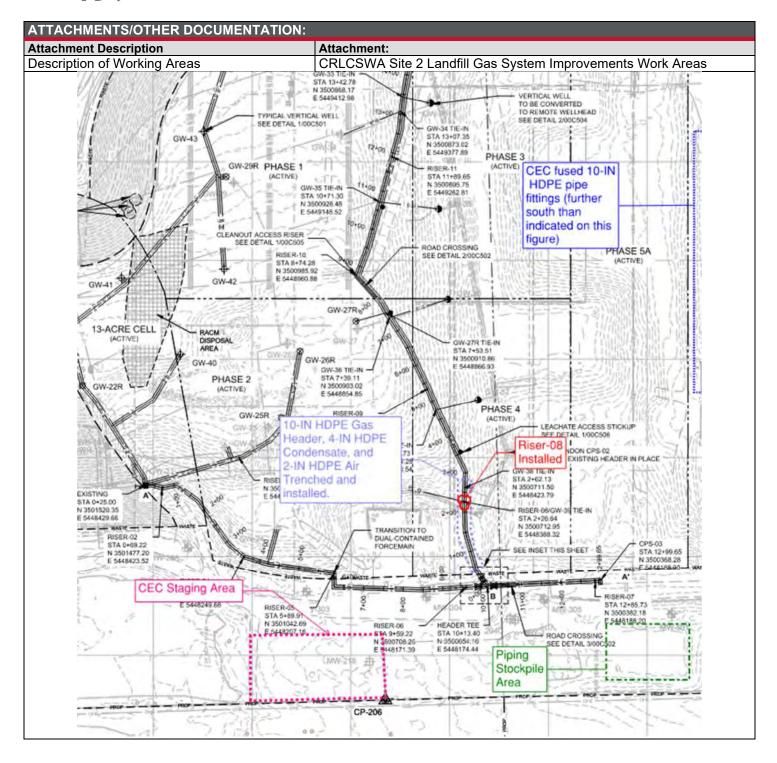
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:30 AM to 6:30 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/8/2024	Day:	Monday
Project Owner:			CEC	2 y :	
HDR Project No.	10383401	Contractor: Owner Project No.	N/A		
Excavator exca	evating trench for pipeline, facing southeast.	10-IN HDPE	E fusing operation	s, facing so	outheast.
	rench for pipeline, facing east.	Trisci=00 all	nd tee for GW-38		o l c
Excavat	or backfilling the trench, facing east.	CEC placing wa	rning tape above	gas headei	r, facing east.



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:							
Report Date:	4/9/2024		Report No.:	19			
Created By:	Mike Walsh		Total Count to Date: (Calendar Days): 75			75	
Contract Time to Subs	193	Notice to Proceed Date:			1/25/2024		
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 9, 2024

	High	Low	Average		High	Low	Average
Temperature	66.4 °F	37.6 °F	51.8 °F	Wind Speed	17.2 mph	0.0 mph	3.3 mph
Dew Point	44.4 °F	34.0 °F	38.7 °F	Wind Gust	23.9 mph		4.5 mph
Humidity	87 %	36 %	63 %	Wind Direction			NNE
Precipitation	0.00 in	-		Pressure	30.08 in	29.97 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-09/2024-04-09/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:							
Contractor Employee			Subcontractor Employee				
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
7	CEC	~13					

VISITORS:						
Time	Name	Remarks				

EQUIPMENT LIST:							
Equipment	Firm Operating	Description					
IMT AF125 Drilling Rig	CEC						
Komatsu PC210LC Excavator	CEC						
Bobcat T770 Skid Steer	CEC						
2 x Volvo A25G Off-Road Truck	CEC						
Bell B25E Off-Road Truck	CEC						
Volvo EC200EL Excavator	CEC						
McElroy TracStar Fusion Machine	CEC						



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 11	10-IN HDPE Gas Header	460	Approximately STA 2+90 to 7+50
Bid Item 13	4-IN HDPE Condensate	460	Approximately STA 2+90 to 7+50
Bid Item 15	2-IN HDPE Air	460	Approximately STA 2+90 to 7+50
Bid Item 16	3-IN HDPE Leachate	400	Approximately STA 3+50 to 7+50

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - CEC started to trench at approximately STA 2+90 to STA 7+50 on the 10-IN HDPE gas header on the west side of Phase 4. CEC excavated the trench with the Volvo EC200EL Excavator or the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header, 4-IN HDPE condensate line, and 2-IN HDPE air line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC fused Riser-09 and the GW-38 tie-in tee into place within the trench. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator and the Volvo EC200EL Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC set the 3-IN HDPE leachate line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator starting at approximately STA 3+50.
 - o CEC fused 3-IN HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC installed Riser-09, allowed for the GW-38 tie-in by installing a 10-IN to 6-IN HDPE tee, and installed a 10-IN to 6-IN HDPE tee for GW-37 remote well tie-in.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

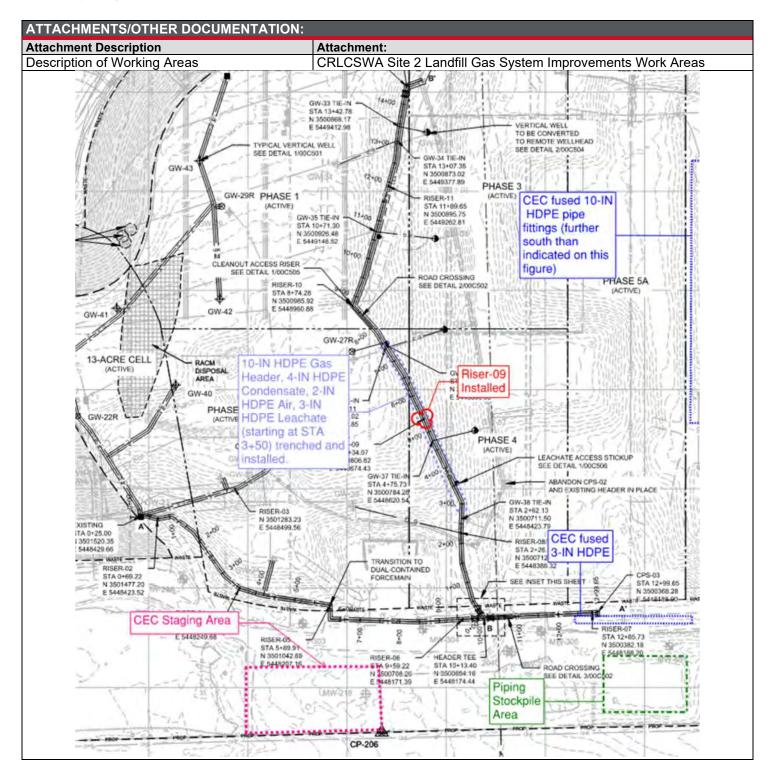
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 12:30 PM to 7:30 PM.





PHOTOGRAPH	IIC LOG			
Project Name:	Landfill Gas System Improvements	Date:	4/9/2024	Day: Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC	
HDR Project No.	10383401	Owner Project No.	N/A	
10-IN HDF	PE fusing operations, facing southeast.	CEC installing	tee for GW-38 well	tie-in, facing southwest.
Excavators settir	ng 10-IN HDPE into trench, facing northeast.	GW-3	37 remote well tie-in	, facing south.
Excavators s	starting to backfill the trench, facing west.	HDPE pipelines in	trench with leachate facing northea	e access riser (bottom right), ast.



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:							
Report Date:	4/10/2024			Report No.:	20		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 76			76
Contract Time to Substantial Complete: (Calendar Days):			192	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 10, 2024

	High	Low	Average		High	Low	Average
Temperature	75.0 °F	36.0 °F	55.8 °F	Wind Speed	10.1 mph	0.0 mph	2.0 mph
Dew Point	46.6 °F	32.4 °F	39.2 °F	Wind Gust	11.4 mph	-	2.5 mph
Humidity	88 %	28 %	58 %	Wind Direction	÷	-	SE
Precipitation	0.00 in	+	-	Pressure	30.05 in	29.89 in	+

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-10/2024-04-10/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contracto	r Employee		Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
7	CEC	~13			

VISITORS:				
Time	Name	Remarks		

Equipment	Firm Operating	Description	
IMT AF125 Drilling Rig	CEC		
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Bell B25E Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 11	10-IN HDPE Gas Header	125	Approximately STA 7+50 to 8+75
Bid Item 13	4-IN HDPE Condensate	125	Approximately STA 7+50 to 8+75
Bid Item 15	2-IN HDPE Air	125	Approximately STA 7+50 to 8+75
Bid Item 16	3-IN HDPE Leachate	125	Approximately STA 7+50 to 8+75
Bid Item 9	18-IN CMP Road Crossing	60	Approximately STA 8+15 to 8+75

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - CEC started to trench at approximately STA 7+50 to STA 8+75 on the 10-IN HDPE gas header on the west side of Phase 4. CEC excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header, 4-IN HDPE condensate line, 3-IN HDPE leachate line, and 2-IN HDPE air line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused 3-IN HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC allowed for the GW-27R tie-in by installing a 10-IN to 6-IN HDPE tee, installed a 3-IN tee for the leachate access riser, and installed a 10-IN to 6-IN HDPE tee for GW-36 remote well tie-in.
 - CEC installed 3 20-FT sections of 18-IN CMP for the road crossing in Phase 1 with the Komastu PC210LC Excavator.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• CEC did not install the 2-IN by 2-IN wooden blocks around the 10-IN HDPE gas header in the 18-IN CMP road crossing. Design Engineer, Katie Kinley, was notified by call by Mike Walsh. Katie Kinley gave approval to not install the wooden blocks in this road crossing.

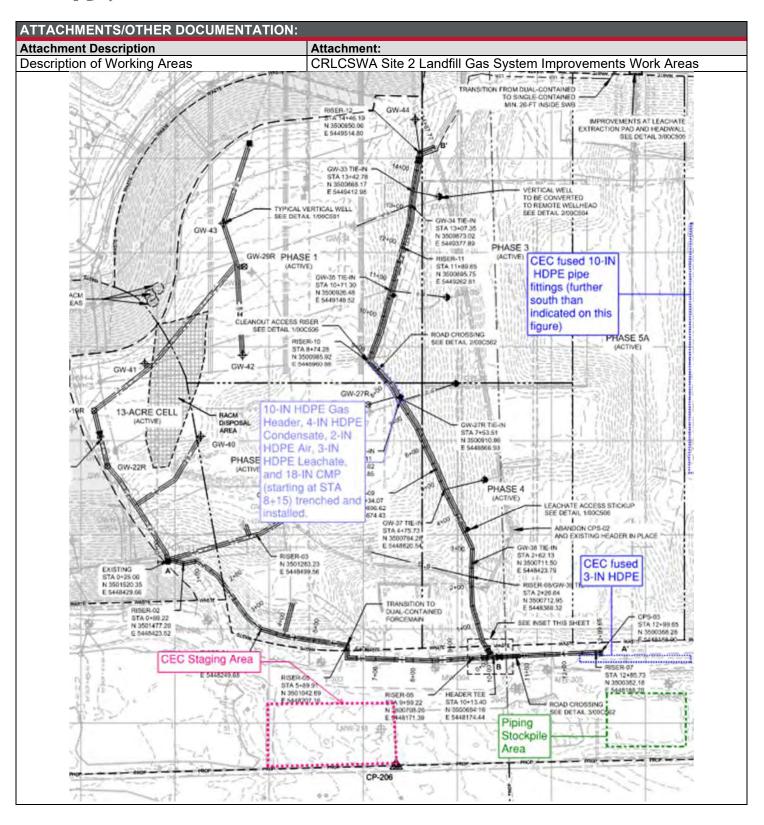
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 1:00 PM to 8:00 PM.







PHOTOGRAPHIC LOG							
Project Name:	Landfill Gas System Improvements	Date:	4/10/2024	Day:	Wednesday		
Project Owner: CRLCSWA		Contractor:	CEC				
HDR Project No.	10383401	Owner Project No.	N/A				



10-IN HDPE fusing operations, facing southwest.



Excavator loading Off-Road Truck with excavated waste, facing southeast.



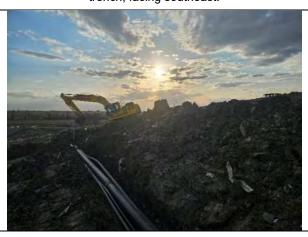
Off-Road Truck depositing excavated waste at the working face, facing southwest.



Excavator and Skid Steer setting CMP road crossing into the trench, facing southeast.



HDPE fusion within the trench, facing north.



Excavator backfilling the trench, facing west.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	4/11/2024			Report No.:	21		
Created By:	Mike Walsh			Total Count to	Date: (Calend	lar Days):	77
Contract Time to Substantial Complete: (Calendar Days): 191			191	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary April 11, 2024

	High	Low	Average		High	Low	Average
Temperature	62.1 °F	45.5 °F	52.3 °F	Wind Speed	25.3 mph	0.0 mph	7.3 mph
Dew Point	48.4 °F	39.9 °F	42.9 °F	Wind Gust	32.0 mph	-	9.8 mph
Humidity	88 %	52 %	71 %	Wind Direction	-		NNW
Precipitation	0.04 in		-	Pressure	29.90 in	29.76 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-11/2024-04-11/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:					
Contractor	Employee		Subcontractor Employee			
No. Craft Hours on Site		No. Craft Ho				
7	CEC	~12				
					<u>'</u>	

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
IMT AF125 Drilling Rig	CEC				
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Bell B25E Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAI	LY QUANTITIES:			
	Item	Description	Installed QTY	Remarks
	Bid Item 11	10-IN HDPE Gas Header	275	Approximately STA 8+75 to 11+50
	Bid Item 13	4-IN HDPE Condensate	275	Approximately STA 8+75 to 11+50
	Bid Item 15	2-IN HDPE Air	275	Approximately STA 8+75 to11+50
	Bid Item 16	3-IN HDPE Leachate	275	Approximately STA 8+75 to11+50

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - CEC started to trench at approximately STA 8+75 to STA 11+50 on the 10-IN HDPE gas header. CEC
 excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G
 Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header, 4-IN HDPE condensate line, 3-IN HDPE leachate line, and 2-IN HDPE air line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused 3-IN by 8-IN dual contained HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC installed a 3-IN tee for the leachate access riser, installed Riser-10, and installed a 10-IN to 6-IN HDPE tee for GW-35 remote well tie-in.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

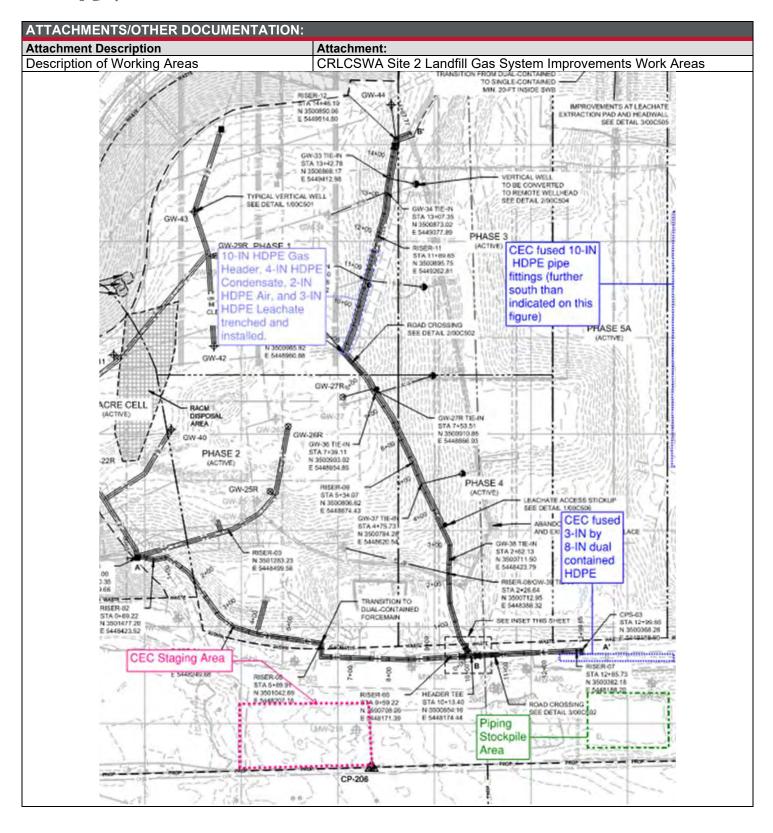
GENERAL OBSERVATIONS AND REMARKS

- The biweekly progress meeting was held at 9:00 AM today.
- Intermittent precipitation started at 2:00 PM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 9:00 AM to 6:00 PM.





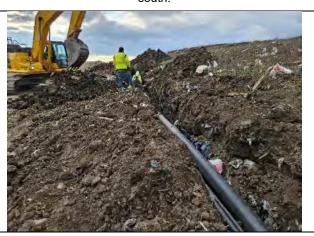
FJS					
PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/11/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Excavator load	ling waste into Off-Road Truck, facing east.	10-IN HDPE	fusing operations,	facing sc	outhwest.
		Jan 193	KOMATSU		

3-IN by 6-IN dual contained HDPE fusion piping operations, facing south.

10-IN HDPE fused to piping installed yesterday (4/10/2024), facing south.



Riser-10 installation, facing south.



Backfilling operations, facing northwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	ГА:						
Report Date: 4/12/2024 Report No.: 22							
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 7		
Contract Time to Substantial Complete: (Calendar Days):		190	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 12, 2024

	High	Low	Average		High	Low	Average
Temperature	65.1 °F	39.7 °F	52.9 °F	Wind Speed	27.7 mph	0.0 mph	7.1 mph
Dew Point	41.9 °F	31.1 °F	37.5 °F	Wind Gust	37.6 mph	-	10.2 mph
Humidity	82 %	32 %	59 %	Wind Direction	+	+	NW
Precipitation	0.00 in	-	+	Pressure	30.20 in	29.86 in	**

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-12/2024-04-12/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contracto	r Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
7	CEC	~11			

VISITORS:		
Time	Name	Remarks

CEC CEC CEC		
CEC		
CEC		
CEC		
CEC		
_	CEC	CEC



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 11	10-IN HDPE Gas Header	150	Approximately STA 11+50 to 13+00
Bid Item 13	4-IN HDPE Condensate	150	Approximately STA 11+50 to 13+00
Bid Item 15	2-IN HDPE Air	150	Approximately STA 11+50 to 13+00
Bid Item 16	3-IN HDPE Leachate	150	Approximately STA 11+50 to 13+00

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 6:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - CEC started to trench at approximately STA 11+50 to STA 13+00 on the 10-IN HDPE gas header. CEC
 excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G
 Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header, 4-IN HDPE condensate line, 3-IN HDPE leachate line, and 2-IN HDPE air line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused 3-IN HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC installed Riser-11.
 - o CEC demobilized the IMT AF125 Drilling Rig and the Bell B25E Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

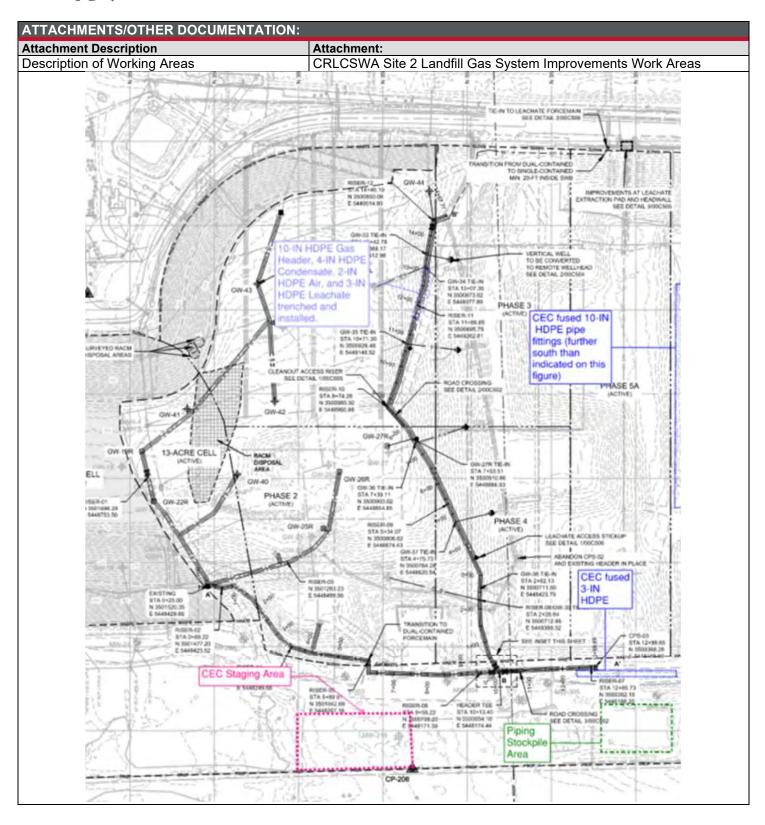
GENERAL OBSERVATIONS AND REMARKS

• CRLCSWA did not accept waste past 10:30 AM this morning due to windy conditions.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 10:00 AM to 5:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/12/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
10-IN HDF	PE fusing operations, facing southeast.	Excavator bring	ing pipe to the tre	nch, facin	g southeast.
Excavator p	lacing pipe into the trench, facing south.	Riser-1	1 installation, facir	ng southw	est.
Excavator	backfilling the trench, facing northwest.	CEC placi	ng warning tape, f	acing nort	hwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:						
Report Date: 4/13/2024 Report No.: 23							
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 79		
Contract Time to Substantial Complete: (Calendar Days):		189	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 13, 2024

	High	Low	Average		High	Low	Average
Temperature	79.0 °F	30.9 °F	58.4 °F	Wind Speed	21.0 mph	0.0 mph	6.1 mph
Dew Point	53.6 °F	27.7 °F	40.7 °F	Wind Gust	27.3 mph	-	7.7 mph
Humidity	89 %	31 %	56 %	Wind Direction	-	÷	South
Precipitation	0.00 in		-	Pressure	30.22 in	29.82 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-13/2024-04-13/daily) \ Marion, \ IA.$

CONSTR	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
7	CEC	~5			

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 12:00 PM.
 - o CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the south side of Phase 5B.
 - o CEC fused 3-IN HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC fused 4-IN HDPE piping to pipe fittings on the west side of Phase 5A.
 - o CEC fused 2-IN HDPE piping to pipe fittings on the west side of Phase 5A.
 - CEC smoothed out the ground surface of the trenched areas and their surroundings with the Komastu PC210LC Excavator.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

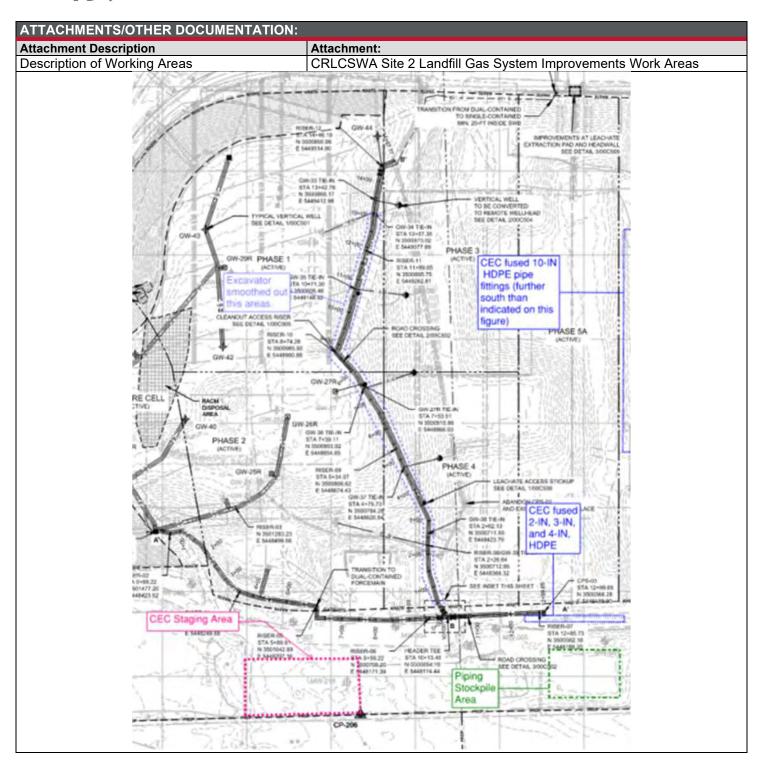
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 10:00 AM to 11:30 AM.







PHOTOGRAPH	HIC LOG				
Project Name: Landfill Gas System Improvements		Date:	4/13/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Smoothed ou	ut area around Riser-09, facing southwest.	Smooth ou	t area around Rise	er-11, facir	ng west.
Smoothadaut	t area around STA 10±00 facing northoget	2 IN LID	PE fusing appraise	ne facing	west
Simouried out	a area around STA 10+00, facing northeast.	3-III HDR	PE fusing operation	ns, lacing	WESL.
10-IN HDI	PE fusing operations, facing southeast.	2-IN HDPE	fusing operations	, facing no	rthwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	4/15/2024			Report No.:	24		
Created By:	Mike Walsh	Mike Walsh			Date: (Calenc	lar Days):	81
Contract Time to Substantial Complete: (Calendar Days):			187	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 15, 2024

	High	Low	Average		High	Low	Average
Temperature	77.9 °F	39.6 °F	61.4 °F	Wind Speed	18.3 mph	0.0 mph	4.1 mph
Dew Point	45.0 °F	32.5 °F	38.5 °F	Wind Gust	21.7 mph	-	5.7 mph
Humidity	77 %	24 %	46 %	Wind Direction	- 44		ENE
Precipitation	0.00 in	4	-	Pressure	30.13 in	29.99 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-15/2024-04-15/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
7	CEC	~12			
					1

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 11	10-IN HDPE Gas Header	125	Approximately STA 13+00 to 14+25
Bid Item 13	4-IN HDPE Condensate	125	Approximately STA 13+00 to 14+25
Bid Item 15	2-IN HDPE Air	125	Approximately STA 13+00 to 14+25
Bid Item 16	3-IN HDPE Leachate	125	Approximately STA 13+00 to 14+25

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC fused 10-IN HDPE piping to pipe fittings with the McElory TracStar Fusion Machine on the north side of C&D access road.
 - CEC started to trench at approximately STA 13+00 to STA 14+25 on the 10-IN HDPE gas header. CEC
 excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G
 Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 10-IN HDPE gas header, 4-IN HDPE condensate line, 3-IN HDPE leachate line, and 2-IN HDPE air line into the trench with the Volvo EC200EL Excavator and Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused 2-IN HDPE piping to varying pipe fittings on the west side of Phase 5A.
 - CEC partially installed the 10-IN gas header isolation valve at approximately STA 14+25 and installed a 10-IN to 6-IN tee for remote well GW-33.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

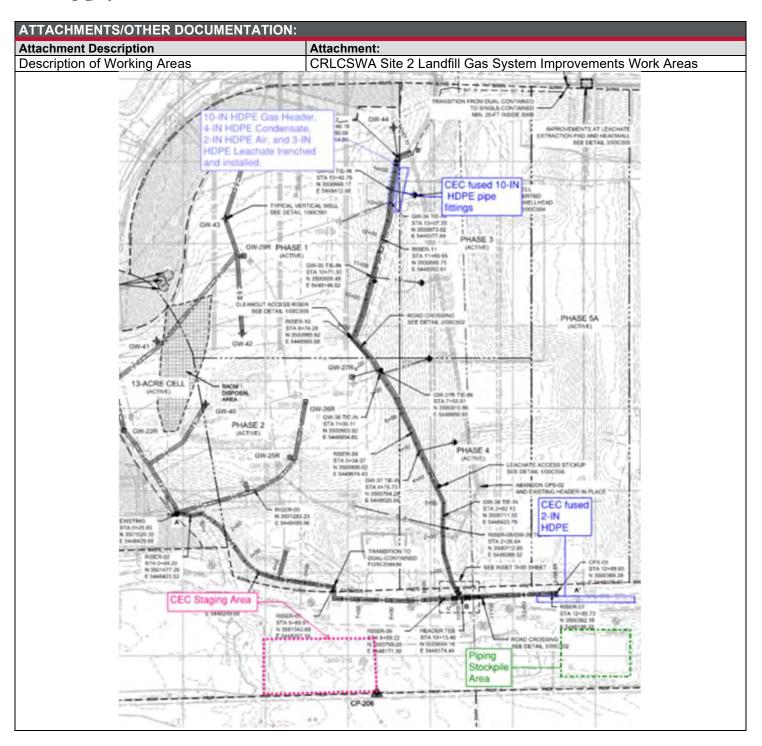
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 9:00 AM to 5:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/15/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Excavato	r excavating trench, facing southeast.	2-IN HDF	PE fusing operation	ns, facing	south.
10-IN HDF	PE fusing operations, facing northeast.	Excavator pla	acing pipe in trend	ch, facing n	orthwest.
	PANCY CONTRACTOR OF THE PARCY				
Excavato	r backfilling trench, facing southeast.	CEC placi	ng warning tape, f	facing sout	hwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:					
Report Date:	4/16/2024		Report No.: 2	25		
Created By:	Mike Walsh		Total Count to D	Date: (Calend	ar Days):	82
Contract Time to Subs	stantial Complete: (Calendar Days):	186	Notice to Proce	ed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Completio	n Date:	10/31/2024	4

Summary April 16, 2024

	High	Low	Average		High	Low	Average
Temperature	72.1 °F	57.4 °F	62.8 °F	Wind Speed	29.3 mph	0.9 mph	9.2 mph
Dew Point	64.8 °F	35.4 °F	49.9 °F	Wind Gust	37.6 mph	-	12.8 mph
Humidity	94 %	37 %	65 %	Wind Direction	(-		SE
Precipitation	0.43 in			Pressure	30.02 in	29.56 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-16/2024-04-16/daily) Marion, IA.

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
6	CEC	~3.5			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 10:30 AM.
 - o CEC cleaned up their staging areas and their job trailer.
 - CEC removed trash around their working areas with the Komastu PC210LC Excavator and Volvo A25G Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

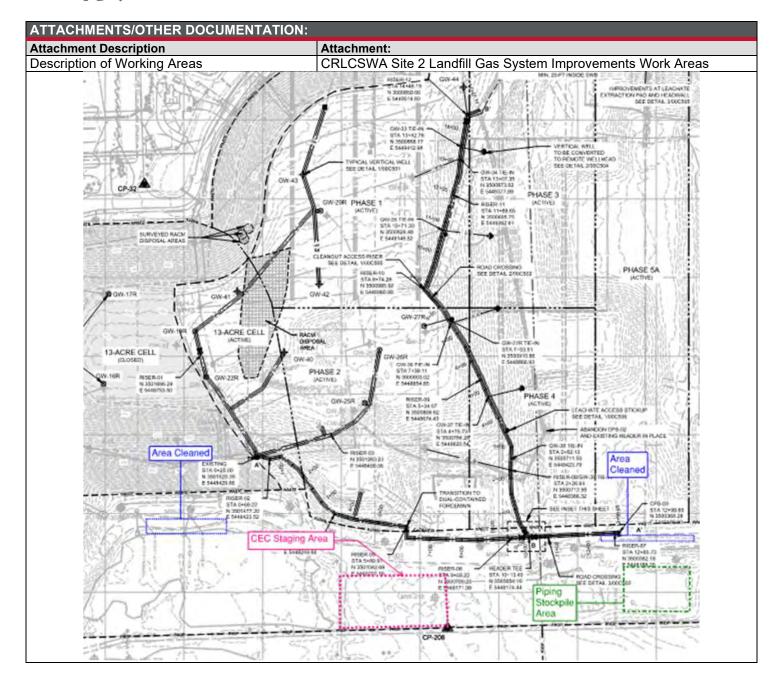
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 10:30 AM.







Site conditions at 10:00 AM, facing east.

Project Name:	Landfill Gas System Improvements	Date:	4/16/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
		≫ Bohcat			Ult-nio
Excavator and Off	-Road Truck removing garbage from CEC work areas, facing northwest.	CEC clea	ning their job traile	er, facing ı	north.
eta English an Pal					

Fusion Machine prepped for the rain, facing north.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	4/17/2024			Report No.:	26		
Created By:	Mike Walsh	า		Total Count to	Date: (Calenc	lar Days):	83
Contract Time to Subs	tantial Com	olete: (Calendar Days):	185	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 17, 2024

	High	Low	Average		High	Low	Average
Temperature	65.3 °F	44.6 °F	55.8 °F	Wind Speed	20.4 mph	0.0 mph	7.4 mph
Dew Point	59.0 °F	41.9 °F	49.5 °F	Wind Gust	27.3 mph	-	9.9 mph
Humidity	92 %	61 %	80 %	Wind Direction	-	-	wsw
Precipitation	0.04 in		-	Pressure	30.12 in	29.56 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-17/2024-04-17/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
6	CEC	~5			

VISITORS:				
Time	Name	Remarks		

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 12:00 PM.
 - o CEC fused 12-IN HDPE piping into varying run lengths on the south side of Phase 5B.
 - o CEC fused 3-IN by 6-IN HDPE dual contained piping into varying run lengths on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

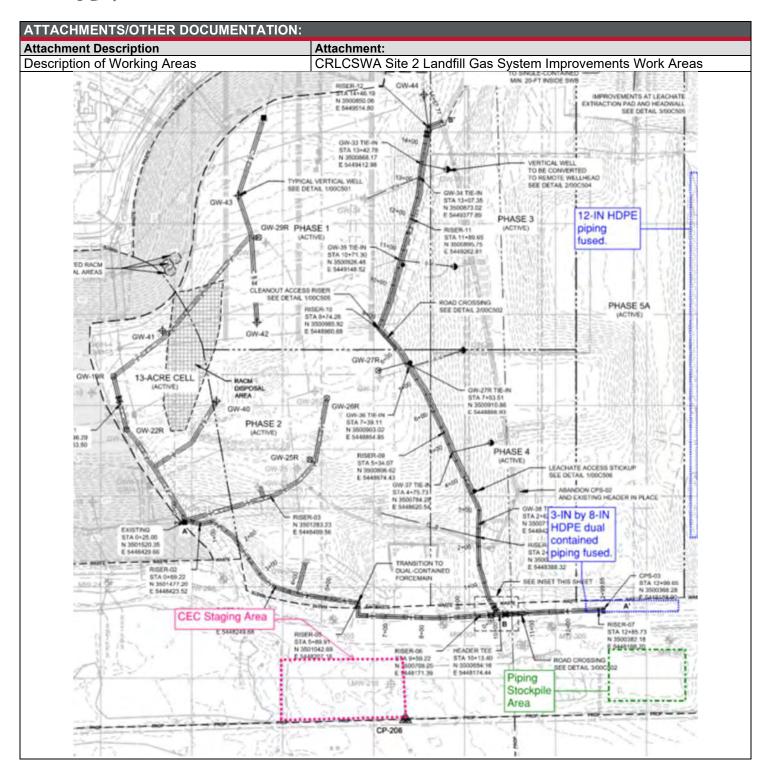
GENERAL OBSERVATIONS AND REMARKS

Precipitation was on and off throughout the day.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:00 AM to 7:00 PM.







PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/17/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
		y			
12-HDPI	E fusing operations, facing northwest.	3-IN by 6-IN h	HDPE fusing opera	itions, fac	ing north.
3-IN by 6-IN	HDPE fusing operations, facing northeast.	12-HDPE	fusing operations	s, facing n	orth.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	t Date: 4/18/2024			Report No.:	27		
Created By:	Mike Walsh			Total Count to	Date: (Calenc	lar Days):	84
Contract Time to Substantial Complete: (Calendar Days): 184			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary April 18, 2024

	High	Low	Average		High	Low	Average
Temperature	50.7 °F	40.5 °F	46.2 °F	Wind Speed	16.1 mph	0.0 mph	3.2 mph
Dew Point	46.8 °F	34.7 °F	42.5 "F	Wind Gust	21.7 mph	-	4.3 mph
Humidity	93 %	75 %	87 %	Wind Direction			North
Precipitation	0.36 in		-	Pressure	30.24 in	30.09 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-18/2024-04-18/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
0	CEC	0			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to on and off heavy precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

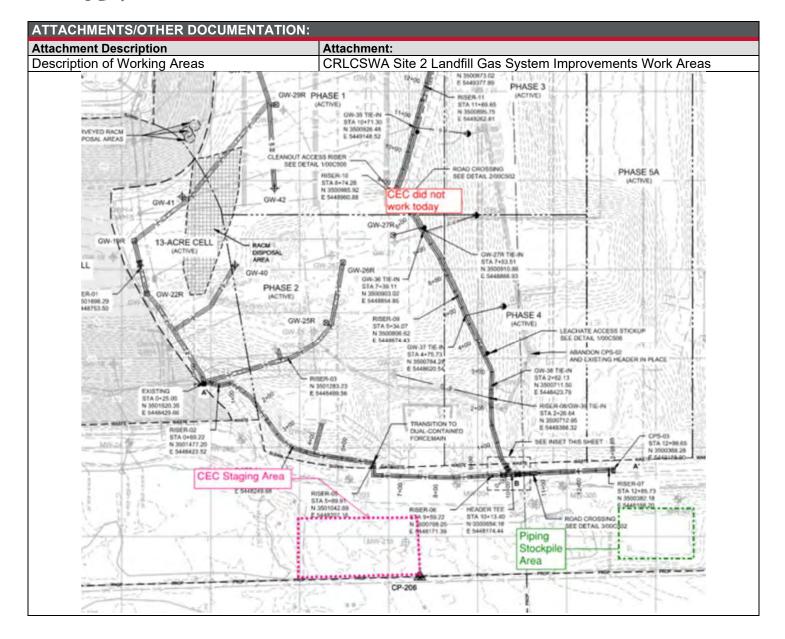
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 7:00 AM to 5:30 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/18/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	PR Project No. 10383401		N/A		
Site of	onditions at 11:00 AM, facing east.	Site cond	ditions at 11:00 AM	, facing e	east.
Site cond	litions at 11:00 AM, facing northeast.	Site cond	litions at 11:00 AM,	facing n	orth.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DA	TA:					
Report Date:	4/19/2024		Report No.:	28		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	85
Contract Time to Subs	stantial Complete: (Calendar Days):	183	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Completi	on Date:	10/31/202	4

Summary April 19, 2024

	High	Low	Average		High	Low	Average
Temperature	56.1 °F	33.1 °F	44.2 °F	Wind Speed	20.6 mph	0.0 mph	5.8 mph
Dew Point	35.6 °F	25.5 °F	30.5 "F	Wind Gust	27.3 mph	-	8.1 mph
Humidity	87 %	34 %	61 %	Wind Direction	4		NW
Precipitation	0.00 in	+	-	Pressure	30.35 in	30.22 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-19/2024-04-19/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~8			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 3:00 PM.
 - o CEC fused 12-IN HDPE piping into varying run lengths on the south side of Phase 5B.
 - o CEC fused 4-IN HDPE piping into varying run lengths on the west side of Phase 5A.
 - o CEC fused 4-IN HDPE piping to various pipe fittings on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

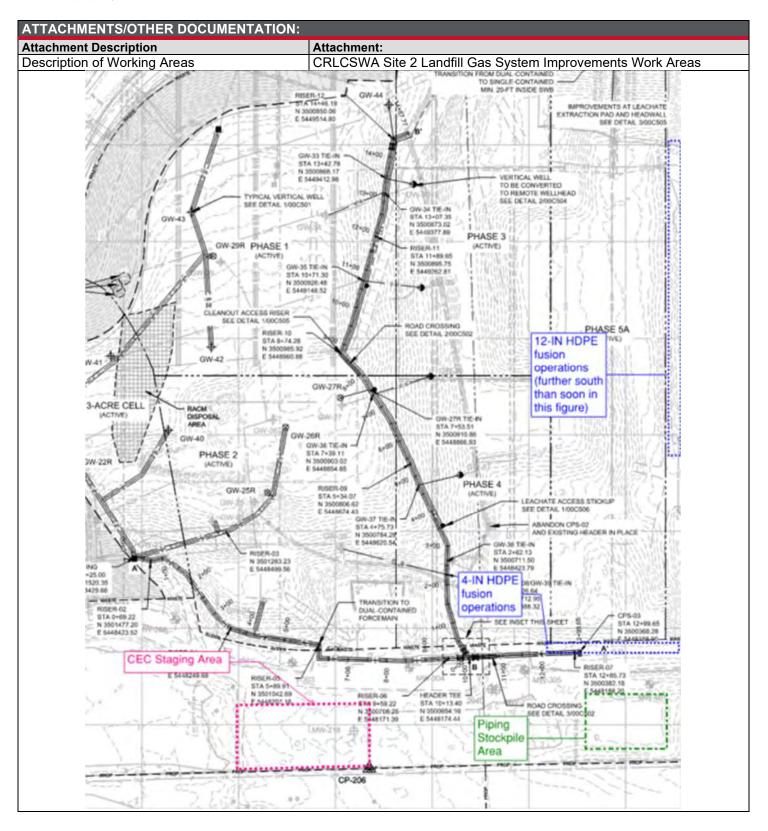
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 9:00 AM to 12:00 PM.







FJ				
PHOTOGRAPH	IIC LOG			
Project Name:	Landfill Gas System Improvements	Date:	4/19/2024	Day: Friday
Project Owner:	CRLCSWA	Contractor:	CEC	
HDR Project No.	10383401	Owner Project No.	N/A	
	DPE fusion operations, facing north.			, facing southeast.
12-IN HDI	PE fusion operations, facing northeast.	4-IN HDPF	fusion operations	s, facing northeast.
12-114 1101	E tusion operations, rading northeast.	4-INTIDEE	Tusion operations	, receiring front reast.

4-IN HDPE fusion operations, facing north.

4-IN HDPE fusion operations, facing south.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ГА:						
Report Date: 4/20/2024 Report No.: 29							
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 86		
Contract Time to Substantial Complete: (Calendar Days):		182	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 20, 2024

	High	Low	Average		High	Low	Average
Temperature	44.6 °F	29.8 °F	37.6 °F	Wind Speed	19.2 mph	0.0 mph	4.3 mph
Dew Point	29.3 °F	23.2 °F	26.5 °F	Wind Gust	23.9 mph	5	6.1 mph
Humidity	79 %	52 %	64 %	Wind Direction	-	-	NW
Precipitation	0.00 in			Pressure	30.42 in	30.32 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-20/2024-04-20/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~8			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 3:00 PM.
 - o CEC fused 4-IN flanges on the condensate risers for Risers-08, -09, -10, and -11.
 - CEC hauled soil from CRLCSWA soil stockpiles to just north of STA 14+00 of the 10-IN gas header system with the Volvo A25G Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

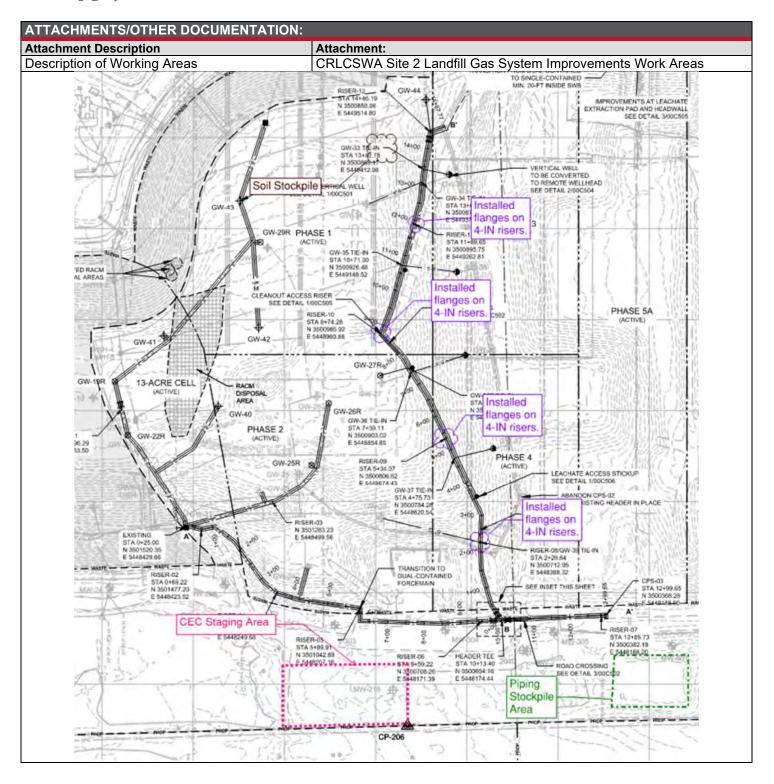
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 10:00 AM to 12:00 PM.





PHOTOGRAPH	HIC LOG	_	_		_
Project Name:	Landfill Gas System Improvements	Date:	4/20/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC	- 3	-
HDR Project No.	10383401	Owner Project No.	N/A		
Riser-09 with r	recently installed 4-IN flanges, facing south.	4-IN flange i	nstallation on Rise	er-10, facir	ng south.
		Agent 20 cases			
4-IN flang	e installation on Riser-11, facing south.	4-IN flange i	nstallation on Rise	er-11, facir	ng south.
Off-Road Truck d	epositing soil north of STA 14+00 on the 10-IN header system, facing northeast.	4-IN flange i	nstallation on Rise	er-11, facir	ng south.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:					
Report Date:	4/22/2024		Report No.: 30		
Created By:	Mike Walsh	Total Count to Date	: (Calendar Days):	88	
Contract Time to Substantial Complete: (Calendar Days): 180			Notice to Proceed I	Date:	1/25/2024
Substantial Completion Date: 10/18/2024			Final Completion D	ate: 10/31/202	4

Summary April 22, 2024

	High	Low	Average		High	Low	Average
Temperature	64.9 °F	29.8 °F	52.6 °F	Wind Speed	30.6 mph	0.0 mph	8.4 mph
Dew Point	41.2 °F	25.2 °F	33.7 °F	Wind Gust	41.2 mph	+-	10.6 mph
Humidity	83 %	32 %	51 %	Wind Direction	4	44	ssw
Precipitation	0.00 in	2	2	Pressure	30.23 in	29.85 in	22

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-22/2024-04-22/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~9.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 12	6-IN HDPE Gas Lateral	290	Gas laterals to GW-38 and GW-39 Tie-ins

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work at around 7:00 AM and ended work around 4:30 PM.
 - CEC started to trench the 6-IN HDPE gas lateral for the GW-39 tie-in. CEC excavated the trench with the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas lateral into the trench with the Komastu PC210LC Excavator. CEC placed pipes
 for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with
 a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC
 Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - CEC excavated soil from the CRLCSWA soil stockpile with the Komastu PC210LC Excavator. CEC hauled the soil to the working area with the Volvo A25G Off-Road Truck.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

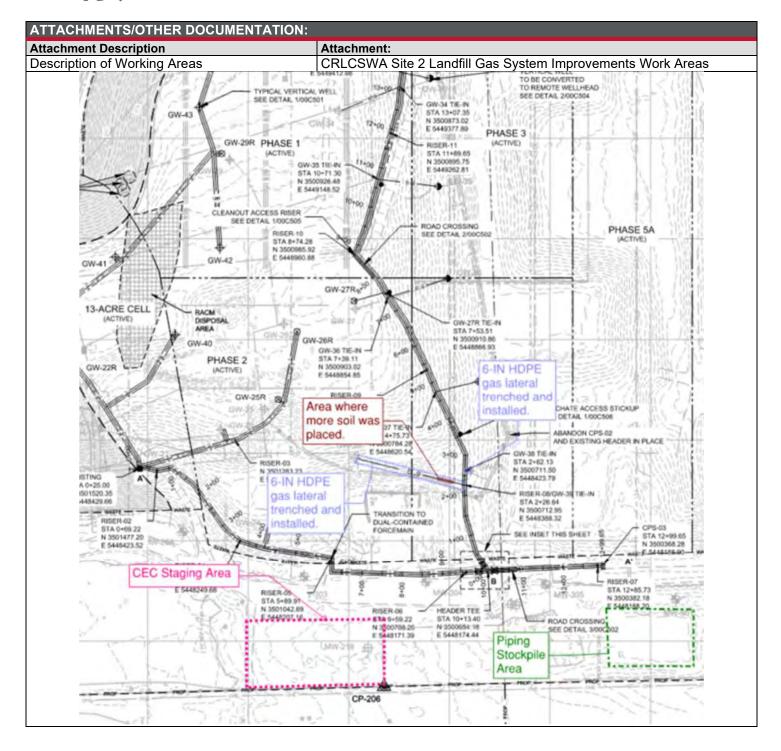
GENERAL OBSERVATIONS AND REMARKS

 A portion of the trench for the lateral to GW-39 did not provide enough depth to maintain minimum cover over the lateral. CEC placed more soil on top of this portion to maintain minimum cover.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 9:00 AM to 4:30 PM.





FDR					
PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/22/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Excavator excavat	ing the trench for the 6-IN HDPE Lateral, facing east.	Excavator bringing	the 6-IN HDPE late west.	eral to the	e trench, facing

CEC fusing the 6-IN HDPE lateral to the 10-IN HDPE header, facing north.

CEC fusing the 6-IN lateral to the 10-IN header, facing east.



Off-Road Truck depositing soil near the trenched area, facing east.



Excavator backfilling the area needing more backfill, facing west.



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DAT	ГА:						
Report Date:	4/23/2024			Report No.:	31		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 89		
Contract Time to Subs	tantial Com	olete: (Calendar Days):	179	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 23, 2024

	High	Low	Average		High	Low	Average
Temperature	70.5 °F	43.3 °F	58.8 "F	Wind Speed	26.8 mph	0.2 mph	7.6 mph
Dew Point	44.6 °F	36.1 °F	40.4 °F	Wind Gust	34.2 mph	2	10.1 mph
Humidity	77 %	31 %	52 %	Wind Direction	÷	**	wsw
Precipitation	0.00 in			Pressure	30.15 in	29.85 in	**

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-23/2024-04-23/daily) \ Marion, \ IA.$

CONST	RUCTION WORK FORCE:				
Contrac	tor Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
0	CEC	0			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to illness.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

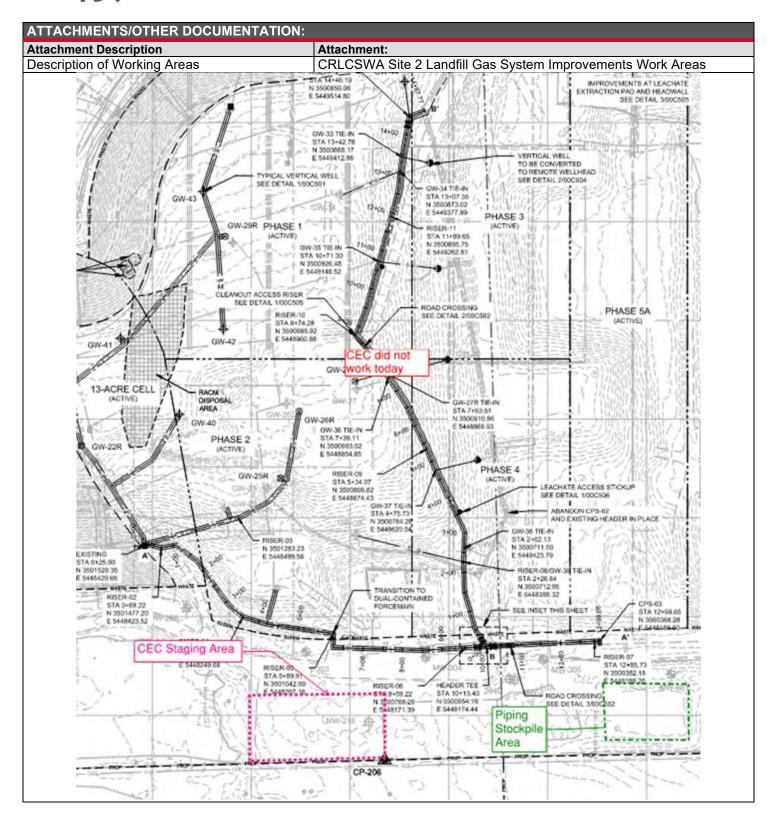
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 10:00 AM.







Project Name:	Landfill Gas System Improvements	Date:	4/23/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC	zwy.	,
IDR Project No.	10383401	Owner Project No.	N/A		
Site 4	conditions at 9:00 AM, facing east.	Site condit	tions at 9:00 AM,	facing nort	heast.
				No or other lives	CONTRACTOR OF STREET



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DA	TA:					
Report Date:	4/24/2024		Report No.:	32		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	90
Contract Time to Subs	stantial Complete: (Calendar Days):	178	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 24, 2024

	High	Low	Average		High	Low	Average
Temperature	62.4 °F	34.2 °F	48.2 °F	Wind Speed	21.5 mph	0.0 mph	3.5 mph
Dew Point	38.7 °F	24.1 °F	32.3 °F	Wind Gust	30.9 mph	-	4.6 mph
Humidity	91 %	25 %	59 %	Wind Direction	+		NE
Precipitation	0.00 in	-	+	Pressure	30.38 in	30.14 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-24/2024-04-24/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:						
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
8	CEC	10				

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
2 x Volvo A25G Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					
McElroy TracStar Fusion Machine	CEC					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 12	6-IN HDPE Gas Lateral	193	Gas laterals to GW-27R and GW-37 (remote well)

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - o CEC moved their pipe storage/laydown area across on the east side of the road.
 - o CEC fused HDPE pipe fittings to varying lengths of 6-IN HDPE piping on the west side of Phase 5A.
 - CEC started to trench the 6-IN HDPE gas lateral for the GW-27R tie-in and GW-37 remote well. CEC excavated the trench with the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas lateral into the trench with the Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

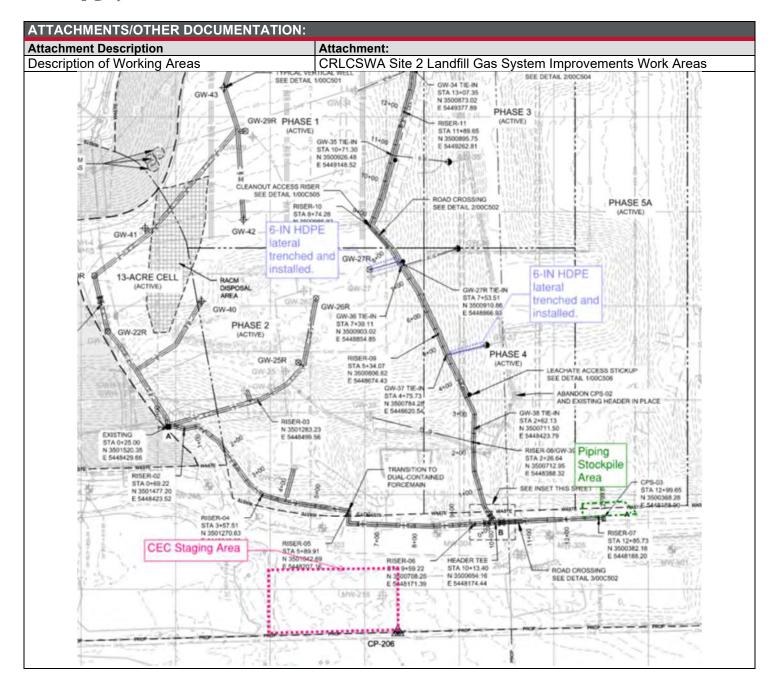
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 5:00 PM.





PHOTOGRAPHIC LOG						
Project Name:	Landfill Gas System Improvements	Date:	4/24/2024	Day: Wednesday		
Project Owner: CRLCSWA		Contractor:	CEC	CEC		
HDR Project No.	10383401	Owner Project No.	N/A			
G / E						



Excavator excavating a trench for the 6-IN HDPE gas lateral to remote well GW-37, facing north.



Off-Road Truck deposing excavated waste at the working face, facing southeast.



CEC moving piping stockpile/laydown area to the east side of the road, facing south.



CEC installing warning tape, facing south.



CEC fusing the 6-IN HDPE lateral to the 10-IN HDPE header, facing south.



Excavator backfilling the trench, facing south.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:					
Report Date:	4/25/2024		Report No.: 33		
Created By:	Mike Walsh		Total Count to Date: (Calendar D	Days): 91	
Contract Time to Subs	stantial Complete: <i>(Calendar Da</i>)	/s): 177	Notice to Proceed Date:	1/25/2024	
Substantial Completic	on Date: 10/18/2024		Final Completion Date: 10/	/31/2024	

Summary April 25, 2024

	High	Low	Average		High	Low	Average
Temperature	64.0 °F	39.4 °F	51.3 °F	Wind Speed	24.2 mph	0.0 mph	5.8 mph
Dew Point	37.2 °F	27.5 °F	32.9 °F	Wind Gust	33.1 mph	20	8.0 mph
Humidity	81 %	29 %	52 %	Wind Direction	-	*	SE
Precipitation	0.00 in		-	Pressure	30.39 in	30.18 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-25/2024-04-25/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~10.5			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
2 x Volvo A25G Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					
McElroy TracStar Fusion Machine	CEC					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 12	6-IN HDPE Gas Lateral	475	Gas laterals to GW-34, GW-35, and GW-36

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:30 PM.
 - o CEC fused HDPE pipe fittings to varying lengths of 6-IN HDPE piping on the west side of Phase 5A.
 - CEC started to trench the 6-IN HDPE gas lateral for the GW-34 tie-in, GW-35 remote well, and GW-36 remote
 well. CEC excavated the trench with the Komastu PC210LC Excavator and placed the excavated waste into
 a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral into the trench with the Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles or the soil stockpile just north of STA 14+00 of the 10-IN HDPE gas header system. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC pressure tested the 6-IN HDPE gas lateral to remote well GW-37. The pressure test started at 8:32 AM with 10 PSI and ended at 9:32 AM with 10 PSI. In total, 113 LF of 6-IN HDPE gas lateral was tested.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

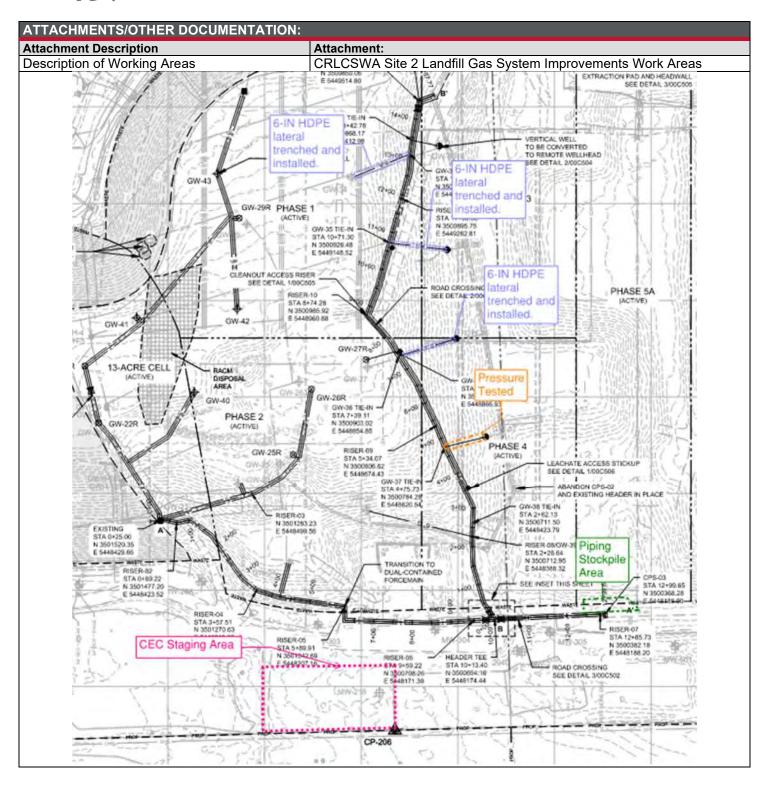
GENERAL OBSERVATIONS AND REMARKS

Vobr Neimeyer was on-site today conducting a survey of the piping in place.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:30 AM to 5:00 PM.





PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/25/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC	Duy.	,
HDR Project No.	10383401	Owner Project No.	N/A		
	HOMAN'SU TO				
Excavator exca	vating trench for the lateral to GW-36, facing southwest.	Pressure test start	for GW-37 lateral a	at 8:32 Al	M, facing west.
CEC fusing the	e GW-34 lateral to the 10-IN header, facing southeast.	CEC installing wa	rning tape on GW-3	34 lateral	, facing north.
Excavator excava	ating the trench for GW-35 lateral, facing north.	CEC installing wa	rning tape on GW-3	35 lateral	, facing north.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:					
Report Date:	4/26/2024		Report No.:	34		
Created By:	Mike Walsh		Total Count to Date: (Calendar Days): 92			92
Contract Time to Subs	stantial Complete: (Calendar Days):	176	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 26, 2024

	High	Low	Average		High	Low	Average
Temperature	62.6 °F	45.3 °F	51.1 °F	Wind Speed	26.6 mph	0.7 mph	8.7 mph
Dew Point	58.5 °F	35.6 °F	45.1 °F	Wind Gust	34.2 mph	-	12.1 mph
Humidity	93 %	63 %	80 %	Wind Direction	*	-	SE
Precipitation	0.06 in	4		Pressure	30.19 in	29.71 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-26/2024-04-26/daily) \ Marion, \ IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~1			

VISITORS:		
Time	Name	Remarks

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:00 AM.
 - CEC flattened out rut marks left by the Off-Road Trucks made around the lateral for GW-36 with the Komastu PC210LC excavator.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

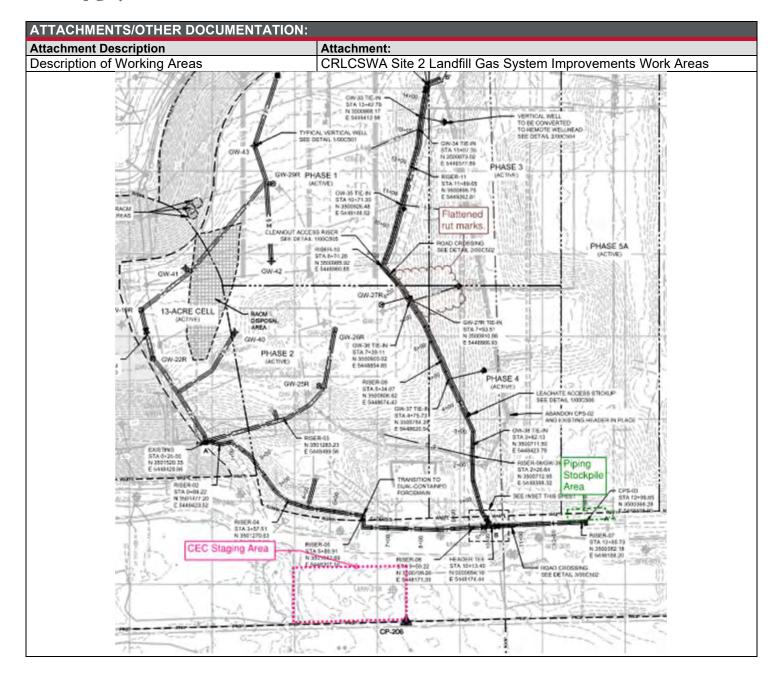
GENERAL OBSERVATIONS AND REMARKS

- The biweekly update meeting was held at 9:00 AM today.
- Precipitation started at approximately 8:00 AM today.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:30 AM to 9:30 AM.







PHOTOGRAPH	IC LOG					
Project Name:	Landfill Gas System Improvements	Date:	4/26/2024	Day: Friday		
Project Owner:	CRLCSWA	Contractor:	CEC			
HDR Project No.	DR Project No. 10383401		Owner Project No. N/A			
	attening out rut marks, facing southwest.		attening out rut mark			
Excavator	flattening out rut marks, facing south.	Excavator flatte	ening out rut marks,	, facing southwest.		



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	4/27/2024			Report No.:	35		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 93		
Contract Time to Substantial Complete: (Calendar Days):		175	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary April 27, 2024

	High	Low	Average		High	Low	Average
Temperature	81.7 °F	60.8 °F	69.1 °F	Wind Speed	43.4 mph	0.0 mph	10.3 mph
Dew Point	67.8 °F	57.0 °F	61.7 °F	Wind Gust	66.2 mph	-	13.2 mph
Humidity	91 %	59 %	78 %	Wind Direction			ssw
Precipitation	0.12 in	-	-	Pressure	30.03 in	29.68 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-27/2024-04-27/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~9.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			
_				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item 12	6-IN HDPE Gas Lateral	75	Gas laterals to GW-33

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 4:30 PM.
 - o CEC fused HDPE pipe fittings to varying sizes of HDPE piping on the west side of Phase 5A.
 - CEC started to trench the 6-IN HDPE gas lateral for the GW-33 remote well. CEC excavated the trench with the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas lateral into the trench with the Komastu PC210LC Excavator. CEC placed pipes
 for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with
 a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC
 Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused 6-IN HDPE caps to the ends of the lateral for remote well GW-36.
 - CEC pressure tested the 6-IN HDPE gas lateral to remote well GW-33. The pressure test started at 10:32 AM with 10 PSI and ended at 11:32 AM with 10 PSI. CEC pressure tested the 6-IN HDPE gas lateral to remote well GW-36. The pressure test started at 1:48 PM with 10 PSI and ended at 2:48 PM with 10 PSI. In total, 235 LF of 6-IN HDPE gas lateral was tested.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

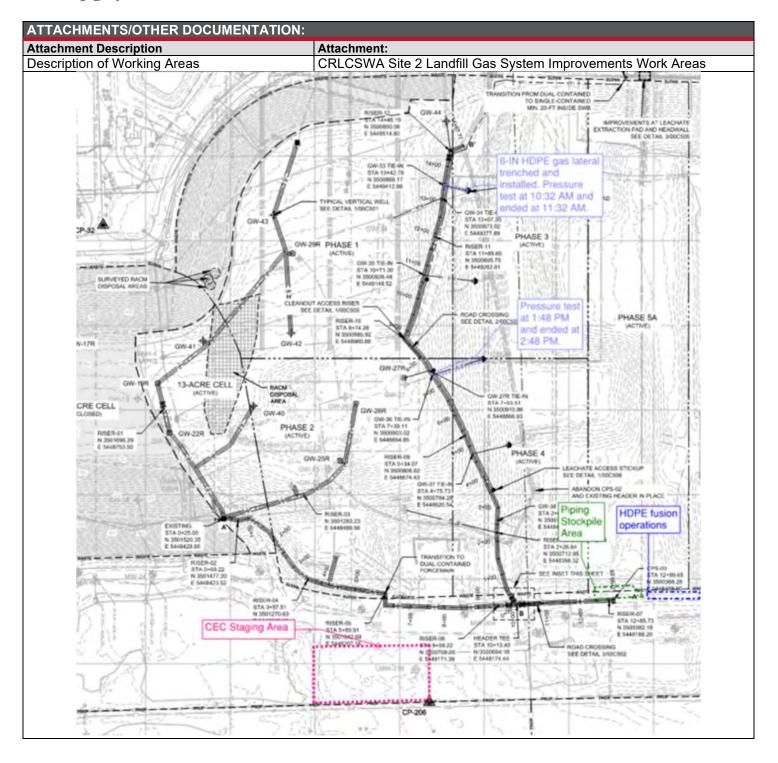
GENERAL OBSERVATIONS AND REMARKS

• The fabricated CPS-03 arrived today at 1:15 PM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 9:00 AM to 3:00 PM.





PHOTOGRAPH	AIC LOG	_	_		_
	Landfill Gas System Improvements	D. C.	4/27/2024		Saturday
Project Name:	CRLCSWA	Date:	CEC	Day:	Saturday
Project Owner: HDR Project No.	10383401	Contractor: Owner Project No.	N/A		
04/27/2024 09:00		04/27/2024 11-32			
Excavator exca	evating a trench for 6-IN lateral, facing north.	End of the pressur	re test at 11:32 AM	for GW-3	3, facing west.
04/27/2004 11:23		01/27/2024 13:52			
CEC fusing a cap of	on the end of the lateral for GW-36, facing west.	CEC offloadin	g the fabricated CF	PS-03, fac	sing south.
04/27/2024 1 32		04/27/2024 14:49			
HDP	E fusion operations, facing north.	End of the pressu	ire test at 2:48 PM	for GW-30	6, facing east.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:							
Report Date:	4/29/2024			Report No.:	36		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 95		95	
Contract Time to Substantial Complete: (Calendar Days): 173			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary April 29, 2024

	High	Low	Average		High	Low	Average
Temperature	63.3 °F	43.7 °F	57.4 °F	Wind Speed	18.6 mph	0.0 mph	5.9 mph
Dew Point	60.1 °F	41.7 °F	50.5 °F	Wind Gust	21.7 mph	-	7.6 mph
Humidity	93 %	59 %	78 %	Wind Direction		-	wsw
Precipitation	0.00 in	-	+	Pressure	30.02 in	29.84 in	144

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-29/2024-04-29/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	No. Craft Hours on Site		INO ICratt		Hours on Site
9	CEC	~1.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:					
Item	Description	Installed QTY	Remarks		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:30 AM.
 - CEC did not conduct any major work activities today due to the site conditions from previous days' precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

- CEC requested a detail for the tie-in to existing gas infrastructure for the 12-IN gas header system on the southwest side of the 13-acre cell. HDR asked CEC to submit and RFI on the item.
- CEC requested to move the tie-in for 6-IN laterals connecting GW-23, GW-25R, and GW-26R to the 12-IN gas
 header system farther south to approximately STA 1+00. The new connection would consist of tees leading off the
 designed 12-IN gas header system and 90-degree elbows to continue south on the design alignment for the
 specified laterals. HDR replied in an email that CEC can go ahead with this revision but place tees at approximately
 STA 1+25 to avoid using elbows for the 6-IN lateral line.

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

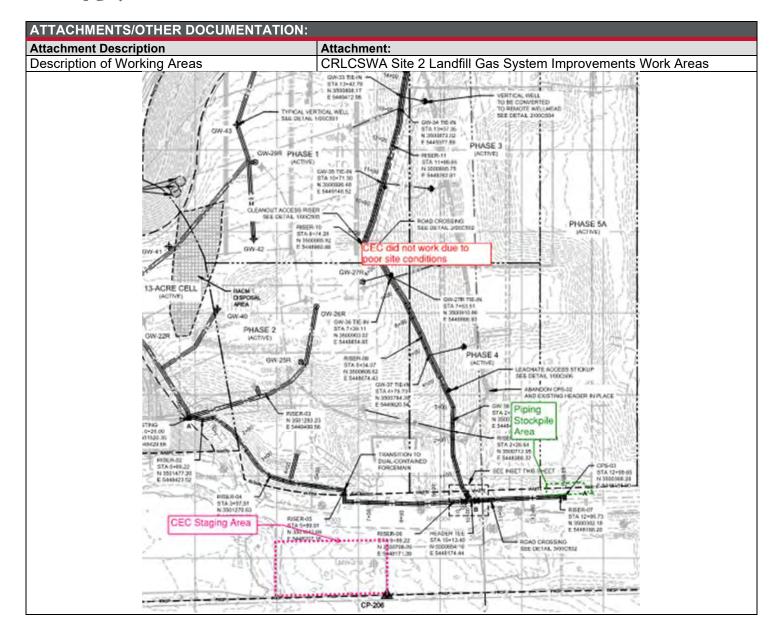
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 8:30 AM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/29/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
04/29/2024 08-19		04/29/2024 08:19			
04/29/2024 08:20	Site conditions, facing east.	04/29/2024 08:21	e conditions, facing	g south.	
Si	te conditions, facing northeast.	Site	conditions, facing r	northeast	



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DAT	ΓA:					
Report Date:	4/30/2024		Report No.:	37		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	96
Contract Time to Subs	tantial Complete: (Calendar Days):	172	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary April 30, 2024

	High	Low	Average		High	Low	Average
Temperature	78.1 °F	38.1 °F	59.2 °F	Wind Speed	29.8 mph	0.0 mph	4.2 mph
Dew Point	61.5 °F	37.0 °F	50.7 °F	Wind Gust	37.6 mph	-	5.4 mph
Humidity	96 %	47 %	76 %	Wind Direction	**	+	South
Precipitation	0.06 in			Pressure	30.05 in	29.79 in	-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-04-30/2024-04-30/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contracto	r Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~12			

VISITORS:		
Time	Name	Remarks

Operating CEC CEC	Description	
CEC		
CEC		
CEC		
CEC		
_	CEC	CEC



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-10	12-IN HDPE Gas Header	270	Approximately STA 0+30 to STA 3+00
Bid Item-13	4-IN HDPE Condensate	270	Approximately STA 0+30 to STA 3+00
Bid Item-15	2-IN HDPE Air Supply	270	Approximately STA 0+30 to STA 3+00

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC excavated down to the tie-in point for the 12-IN gas header system in the southwest corner of the 13-acre cell with the Komastu PC210LC Excavator. Excavation reached an elevation of approximately 845-FT.
 - CEC started to trench the at STA 0+30 to STA 3+00 on the 12-IN HDPE gas header system. CEC excavated
 the trench with the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G OffRoad Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused various pipe fittings to a varying length of 12-IN HDPE on the south side of Phase 5B.
 - o CEC installed Riser-02 in the trench and installed tees at approximately STA 1+25 on the 12-IN HDPE gas header.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

CEC damaged a 6-FT portion of the existing 10-IN gas header during tie-in excavation. HDR notified CRLCSWA of
this damaged. CRLCSWA requested that the damaged section be removed, and both ends of the existing,
undamaged header be capped before the flare is turned back on later in the week.

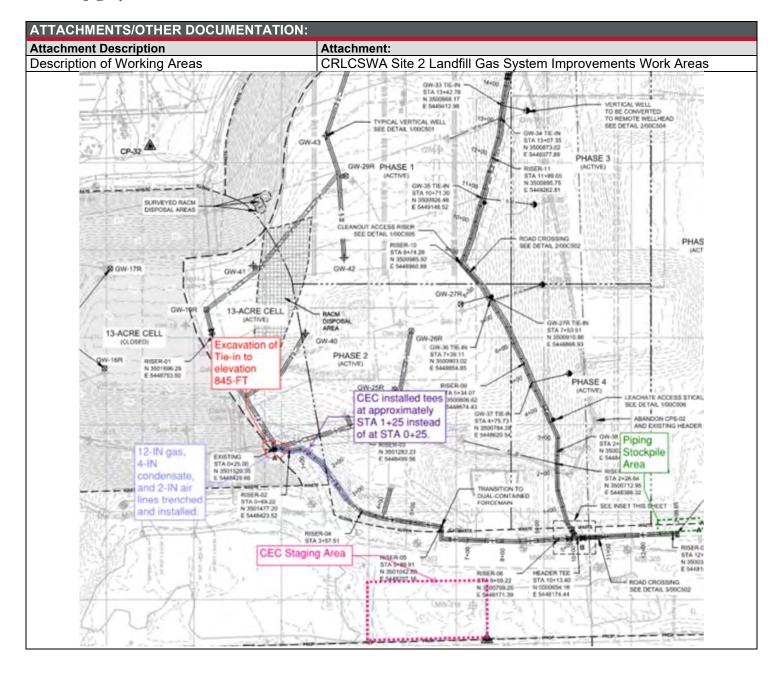
GENERAL OBSERVATIONS AND REMARKS

CEC plans to use a 10-IN flange connection to connect to the existing 10-IN header flange in the southwest corner of the 13-acre cell. CEC will use a reducer to increase the 10-IN to 12-IN for the design header. CEC plans to go forward with the revisions dealing with the 6-IN gas laterals southbound from the tie-in point mentioned in yesterday's daily field report (4/29/2024).

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 6:00 PM.





PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	4/30/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Excavator excavati	ng the tie-in in the southwest corner of the 13-acre cell, facing north.	Damaged section	of existing 10-IN HE northeast.	OPE gas	header, facing
04/30/2024 14:20		04/26/2024 16:55			
Excavator excavat	ing the trench for pipelines, facing southwest.	Pipelines	s in the trench, facir	ng northy	vest.
04/30/2024 17/34	NOMES SELECTION OF THE PROPERTY OF THE PROPERT	01/30/202017/20			
CEC insta	alling tees at STA 1+25, facing south.	Tie-in con	ditions at end of da	y, facing	east.



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DA	Γ A :						
Report Date:	5/1/2024			Report No.:	38		
Created By:	Mike Walsh			Total Count to	Date: (Calend	lar Days):	97
Contract Time to Subs	tantial Complete: (Calen	ndar Days):	171	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	n Date: 10/18/2024	4		Final Complet	ion Date:	10/31/202	4

Summary May 1, 2024

	High	Low	Average		High	Low	Average
Temperature	72.3 °F	51.4 °F	61.8 °F	Wind Speed	19.5 mph	0.0 mph	4.4 mph
Dew Point	58.1 °F	36.5 °F	46.1 °F	Wind Gust	32.0 mph	-	6.2 mph
Humidity	86 %	30 %	60 %	Wind Direction		-	NW
Precipitation	0.01 in	-		Pressure	30.11 in	29.85 in	-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-01/2024-05-01/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
9	CEC	~14			

VISITORS:				
Time	Name	Remarks		
9:00 AM to 12:00 PM	Vince Coleman	CEC Representative		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-10	12-IN HDPE Gas Header	300	Approximately STA 3+00 to STA 6+00
Bid Item-13	4-IN HDPE Condensate	300	Approximately STA 3+00 to STA 6+00
Bid Item-15	2-IN HDPE Air Supply	300	Approximately STA 3+00 to STA 6+00

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 9:00 PM.
 - CEC started to trench the at STA 3+00 to STA 6+00 on the 12-IN HDPE gas header system. CEC excavated
 the trench with the Komastu PC210LC Excavator and placed the excavated waste into a Volvo A25G OffRoad Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Komastu PC210LC Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Komastu PC210LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused various pipe fittings to a varying length of 12-IN HDPE on the south side of Phase 5B.
 - o CEC installed Riser-04 and Riser-5 in the trench and installed tees at approximately STA 4+25 for the lateral to GW-24.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

- CRLCSWA noted that the cover over the liner for the leachate forcemain on the east side of Phase 5A should be a
 maximum of 4-FT. CRLCSWA noted that they are fine with making the trench shallower in this area and mound up
 soil on top of the trench to meet depth requirements.
- CRLCSWA marked the road crossing for the 4-IN PVC water forcemain on the west side of Phase 5A.

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

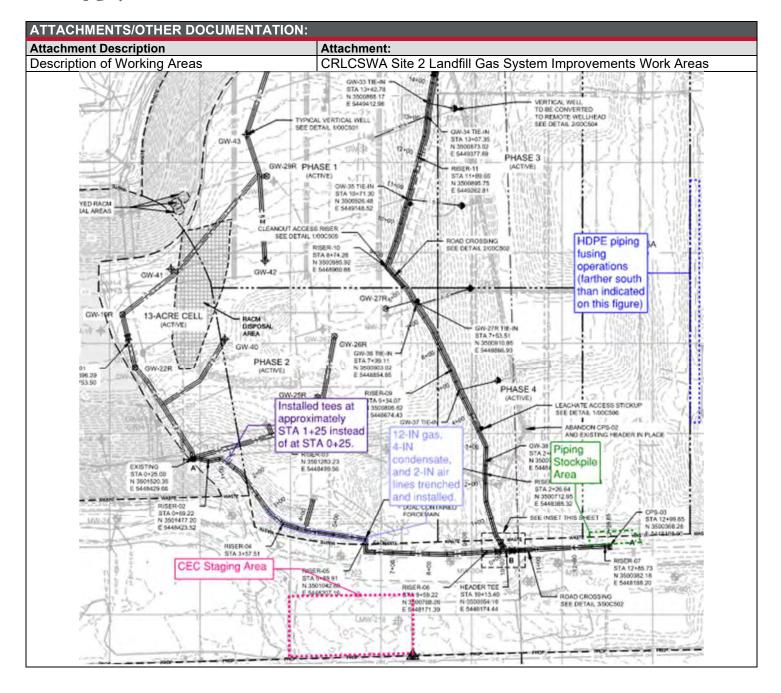
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 8:00 PM.





PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/1/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC		<u> </u>
HDR Project No.	10383401	Owner Project No.	N/A		
05/01/2024 08: 51		05/01/2024 09:06			
HDPE	fusion operations, facing northeast.	Excavator excavating	a trench for HDPE	piping,	facing southwest.
05/01/2024 16:06		95/01/2024 10: 43			
Excavator placing	12-IN HDPE into the trench, facing southeast.	Tees being inst	alled for lateral to G	SW-24, fa	acing south.
a5/01/202416/44		05/61/2024 19:45			
CEC installing wa	rning tape and backfilling trench, facing north.	CEC inst	alling Riser-05, faci	ing south	east.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	5/2/2024		Report No.:	39		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	98
Contract Time to Substantial Complete: (Calendar Days): 170			Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4

Summary May 2, 2024

	High	Low	Average		High	Low	Average
Temperature	66.7 °F	51.8 °F	58.4 °F	Wind Speed	25.5 mph	0.0 mph	5.6 mph
Dew Point	60.1 °F	46.2 °F	52.9 °F	Wind Gust	30.9 mph	-	7.5 mph
Humidity	94 %	68 %	82 %	Wind Direction	+	-	SE
Precipitation	1.10 in		**	Pressure	30.06 in	29.83 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-02/2024-05-02/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
0	CEC	0			

VISITORS:				
Time	Name	Remarks		
	_			

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC	·			
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to precipitation conditions.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

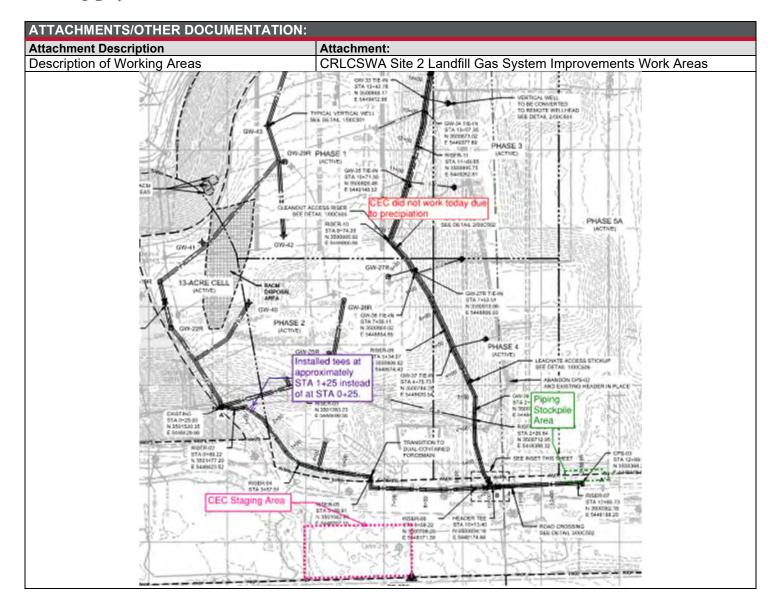
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 7:45 AM to 8:00 AM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/2/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC		l
IDR Project No.	10383401	Owner Project No.	N/A		
05/02/2024 07:51		05/02/2024 07:51	EATT.		
	Site conditions, facing south.		ite conditions, fac	ing east.	
05/02/2024 97:51		05/02/2024 07:52			
	Site conditions, facing east.	Site	conditions, facing	northeast.	



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DAT	ГА:						
Report Date:	5/3/2024			Report No.:	40		
Created By:	Mike Walsh			Total Count to Date: (Calendar Days): 99			99
Contract Time to Substantial Complete: (Calendar Days):		169	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 3, 2024

	High	Low	Average		High	Low	Average
Temperature	72.9 °F	40.6 °F	58.7 °F	Wind Speed	14.8 mph	0.0 mph	1.9 mph
Dew Point	53.6 °F	38.1 °F	45.6 °F	Wind Gust	20.6 mph	-	2.6 mph
Humidity	96 %	30 %	67 %	Wind Direction	**	-	ENE
Precipitation	0.00 in			Pressure	30.18 in	30.03 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-03/2024-05-03/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contracto	r Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~1			

VISITORS:		
Time	Name	Remarks

CEC CEC CEC	
CEC	
CEC	
CEC	
CEC	
	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:00 AM.
 - o CEC did not continue working day due to poor site conditions from the previous day's precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

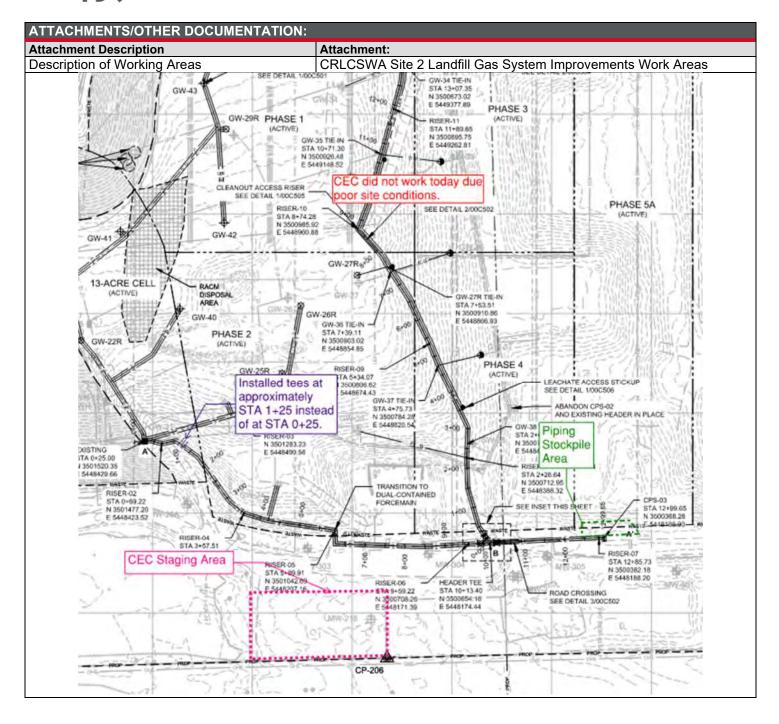
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 9:00 AM to 1:00 PM.







PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/3/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		_
05/03/2024 05/02					
	Site conditions, facing east.	Sit	e conditions, facing	east.	
G5/03/2024 19:02		05/03/2024 08:05			
5	Site conditions, facing south.	Site	e conditions, facing	south.	



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:					
Report Date:	5/4/2024		Report No.:	41		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	100
Contract Time to Subs	stantial Complete: (Calendar Days):	168	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 4, 2024

	High	Low	Average		High	Low	Average
Temperature	71.1 °F	47.1 °F	56.8 °F	Wind Speed	21.9 mph	0.0 mph	5.4 mph
Dew Point	61.0 °F	43.5 °F	50.3 °F	Wind Gust	28.6 mph	+	7.3 mph
Humidity	91 %	68 %	79 %	Wind Direction	2-1		SSE
Precipitation	0.11 in			Pressure	30.17 in	29.94 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-04/2024-05-04/daily) \ Marion, \ IA.$

CONSTRI	CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
8	CEC	~3				

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:			
Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-12	6-IN HDPE Gas Lateral	165	Lateral to GW-24
Bid Item-13	4-IN HDPE Condensate	165	Lateral to GW-24
Bid Item-15	2-IN HDPE Air Supply	165	Lateral to GW-24

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 10:00 AM.
 - CEC started to trench the lateral for GW-24 at approximately STA 4+25 on the 12-IN HDPE gas header system. CEC excavated the trench with the Volvo EC200EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas header, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC200EL Excavator. CEC backfilled some of the trench with clean soil with the Volvo EC200EL Excavator.
 - o CEC fused various pipe fittings to a varying length of 2-IN, 4-IN, and 6-IN HDPE on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• CEC did place the pipe in the correct order today in the trench to GW-24 with the gas lateral in the middle. From north to south, the pipe was placed 6-IN HDPE, 4-IN HDPE, and 2-IN HDPE.

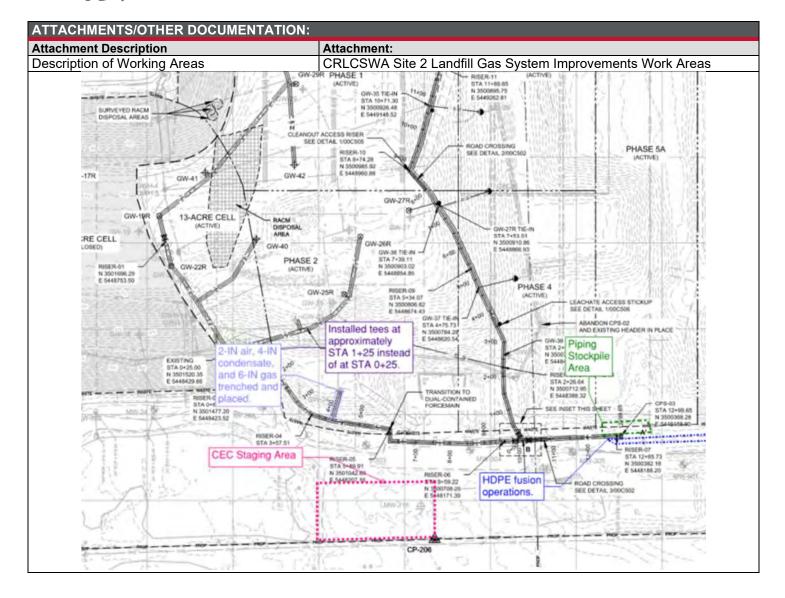
GENERAL OBSERVATIONS AND REMARKS

- Precipitation started at approximately 9:15 AM today.
- CEC was not able to backfill the trench completely due to site conditions.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:45 AM to 10:00 AM.







PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/4/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC		
IDR Project No.	10383401	Owner Project No.	N/A		
05/04/2024 08:58		05/04/2024 09:24			
Excavator trenchi	ng for the lateral to GW-24, facing southeast.	Excavator plac	ing pipelines in th	ne trench, fa	acing south.
05/04/2024 09:44	VOINO	05/04/203/4 DB-45			
Excavator partia	ally backfilling the trench, facing southwest.	Partially	backfilled conditi	ons, facing	west.
05/04/2024 09:45		05/04/2024 09:53			
D - 4i - II	y backfilled conditions, facing east.	9	ite conditions, fac	cina cast	



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	5/6/2024		Report No.:	42		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	102
Contract Time to Subs	stantial Complete: (Calendar Days):	166	Notice to Proce	eed Date:		1/25/2024
Substantial Completic		Final Completi	on Date:	10/31/202	4	

Summary May 6, 2024

	High	Low	Average		High	Low	Average
Temperature	76.3 °F	50.2 °F	64.0 °F	Wind Speed	23.0 mph	0.0 mph	5.2 mph
Dew Point	60.8 °F	42.3 °F	50.4 °F	Wind Gust	27.3 mph	-	7.3 mph
Humidity	83 %	43 %	63 %	Wind Direction	-	44	SE
Precipitation	0.00 in	-		Pressure	30.11 in	29.76 in	4

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-06/2024-05-06/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~13			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:			
Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-12	6-IN HDPE Gas Lateral	135	Lateral westbound from GW-26R
Bid Item-13	4-IN HDPE Condensate	135	Lateral westbound from GW-26R
Bid Item-15	2-IN HDPE Air Supply	135	Lateral westbound from GW-26R

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 6:00 PM.
 - CEC fused the 6-IN gas lateral, 4-IN condensate, and 2-IN air supply placed on Saturday (5/4/2024) to the 12-IN gas header system at approximately STA 4+25.
 - CEC backfilled the trench created on Saturday (5/4/2024) with clean soil from CRLCSWA's stockpiles with the Volvo EC210EL Excavator. CEC installed the warning tape at approximately 1-FT below the ground level.
 CEC backfilled the rest of the trench with clean soil using the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC place pipes for future surveying approximately every 50-FT.
 - CEC started to trench for the lateral system from GW-26R westbound approximately 135 LF. CEC excavated
 the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road
 Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC fused various pipe fittings to a varying length of 2-IN, 4-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC fused 10-IN flange to the existing southbound header at the tie-in in southwest corner of 13-acre cell. CEC placed a blind flange with trash bag on the existing northbound header.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

• CEC altered the alignment of the lateral for the lateral that travel westbound from GW-26R to GW-25R and GW-23. The altered alignment now travels along the ridge on the north side of the existing GW-25. See figure below.

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• CEC was able to sufficiently cap both sides of the damaged existing 10-IN gas header at the tie-in in the southwest corner of the 13-acre cell. CEC fused 10-IN flange to the existing southbound header at the tie-in in southwest corner of 13-acre cell. CEC placed a blind flange with trash bag on the existing northbound header.

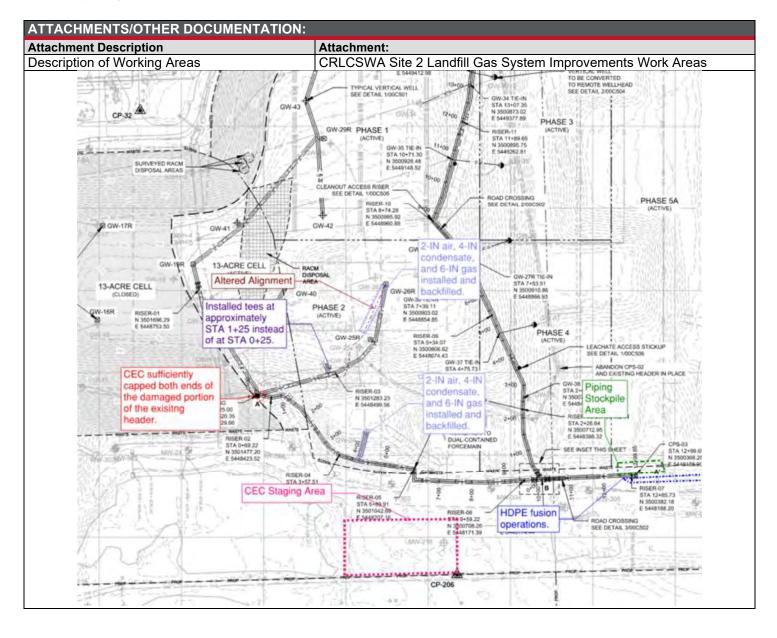
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 6:00 PM.





PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/6/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
					# 1 / /



CEC fusing the lateral system to GW-24 to the 12-IN gas header system, facing southwest.



CEC fusing flange to the southbound existing header, facing northwest.



Excavator excavating trench westbound from GW-26R, facing



Excavator placing piping into the excavated trench, facing southeast.



CEC placing trash bag and blind flange on northbound of existing header, facing northeast.



Off-Road Truck backfilling excavated trench, facing northwest.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	5/7/2024			Report No.:	43		
Created By:	Mike Walsh	า		Total Count to	Date: (Calenc	lar Days):	103
Contract Time to Subs	tantial Com	olete: (Calendar Days):	165	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 7, 2024

	High	Low	Average		High	Low	Average
Temperature	76.8 °F	54.7 °F	65.6 °F	Wind Speed	32.4 mph	0.0 mph	6.7 mph
Dew Point	62.4 °F	41.0 °F	54.2 °F	Wind Gust	43.4 mph	5	8.8 mph
Humidity	94 %	32 %	70 %	Wind Direction	22	-	South
Precipitation	0.84 in	-	-	Pressure	29.77 in	29.57 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-07/2024-05-07/daily) \ Marion, \ IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~2			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 12:00 PM and ended work around 2:00 PM.
 - o CEC finished backfilling on the 6-IN HDPE lateral system that runs to GW-24 with Volvo EC210EL Excavator.
 - o CEC did not work the rest of the day due to poor site conditions.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

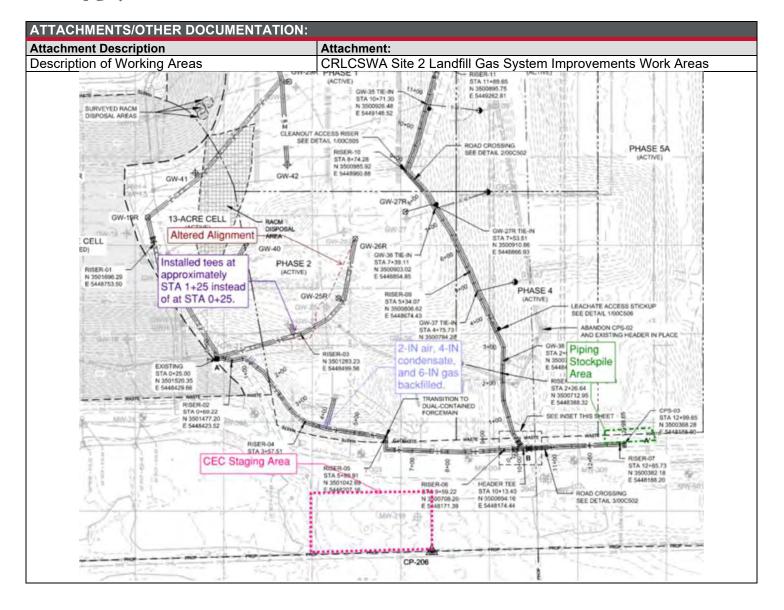
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 12:00 PM to 2:00 PM.







PHOTOGRAPH	HIC LOG						
Project Name:	Landfill Gas System Improvements	Date:	5/7/2024	Day:	Tuesday		
Project Owner:	CRLCSWA	Contractor:	CEC		•		
HDR Project No.	10383401	Owner Project No.	N/A				
05/07/2024 12-02		05/07/2014 12:04					
Si	te conditions, facing southwest.	Site	Site conditions, facing south.				
05/07/2024 12:18		05/67/2022/12/22					
Excavator backfi	lling the lateral system to GW-24, facing west.	Excavator backfil	lling the lateral syst northwest.	em to G	W-24, facing		



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	5/8/2024			Report No.:	44		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 104		
Contract Time to Substantial Complete: (Calendar Days):			164	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary May 8, 2024

	High	Low	Average		High	Low	Average
Temperature	79.9 °F	51.6 °F	66.2 °F	Wind Speed	19.9 mph	0.0 mph	3.5 mph
Dew Point	59.0 °F	43.0 °F	52.0 °F	Wind Gust	25.1 mph	-	4.8 mph
Humidity	87 %	34 %	62 %	Wind Direction	-	-	ESE
Precipitation	0.14 in	4	-	Pressure	29.81 in	29.69 in	44

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-08/2024-05-08/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	o. Craft Hours on Site		No.	Craft	Hours on Site
9	CEC	~13.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-12	6-IN HDPE Gas Lateral	410	Westbound from GW-26R and to GW-25R and GW-23
Bid Item-13	4-IN HDPE Condensate	410	Westbound from GW-26R and to GW-25R and GW-23
Bid Item-15	2-IN HDPE Air Supply	410	Westbound from GW-26R and to GW-25R and GW-23

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:30 PM.
 - CEC started to trench for the lateral system from GW-26R westbound towards GW-25R and GW-23
 approximately 325 LF. CEC also trenched for the lateral system branches to GW-25R (45 LF) and GW-23
 (65 LF). CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

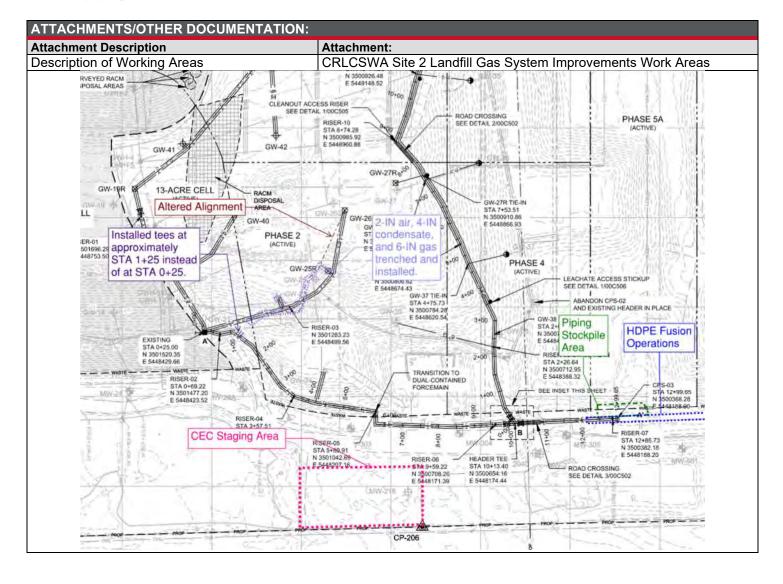
GENERAL OBSERVATIONS AND REMARKS

• The lateral system trenched and installed today followings the altered alignment. See figure below.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 7:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/8/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
05/08/2024 08:32 HDPE 1	fusion operations, facing southwest.	excavator excava	ating the trench nor northwest.	th of GW	7-25R, facing
05/06/2024 91:05		05/08/2024:16-21			
Excavator excavati	ng the trench west of GW-23, facing northwest.	CEC fusing	tees to GW-25R, fa	acing sou	itheast.
05/08/2024 18: 49		95798/2024 19 0 š			

Excavator backfilling the trench, facing south.

CEC installing warning tape in the trench to GW-23, facing west.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	5/9/2024		Report No.:	45		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	105
Contract Time to Substantial Complete: (Calendar Days): 163			Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Completi	on Date:	10/31/202	4

Summary May 9, 2024

	High	Low	Average		High	Low	Average
Temperature	61.7 °F	52.3 °F	56.8 °F	Wind Speed	19.5 mph	0.0 mph	5.7 mph
Dew Point	56.7 °F	50.4 °F	53.1 °F	Wind Gust	22.8 mph	-	7.4 mph
Humidity	94 %	76 %	87 %	Wind Direction			NE
Precipitation	0.74 in			Pressure	30.09 in	29.76 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-09/2024-05-09/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
10	CEC	~2.5			

VISITORS:				
Time	Name	Remarks		

Operating CEC CEC	Description	
CEC		
CEC		
CEC		
CEC		
_	CEC	CEC



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 9:30 AM.
 - o CEC spread excess gravel on the west access road with the Volvo EC210EL Excavator.
 - o CEC was not able to work past 9:30 AM due to poor site conditions and precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

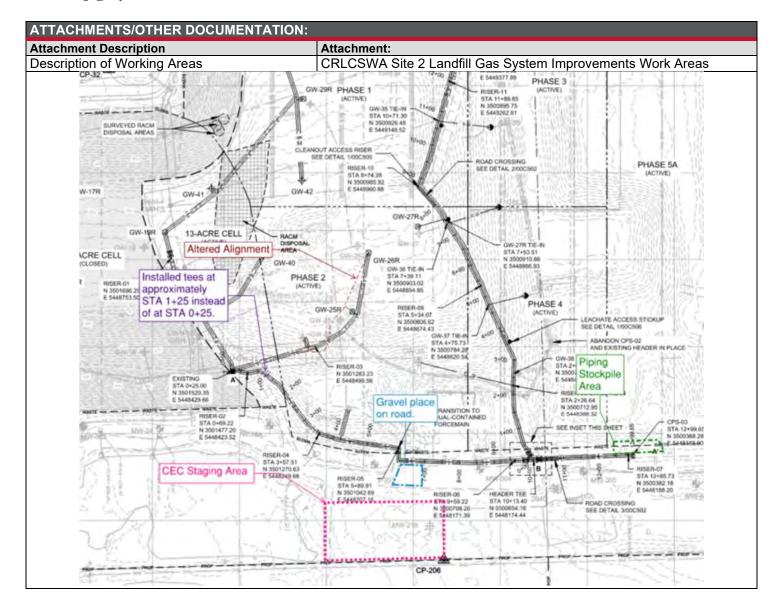
GENERAL OBSERVATIONS AND REMARKS

- The biweekly progress meeting was today at 9:00 AM.
- Precipitation started at approximately 11:00 AM today.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 12:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/9/2024	Day:	Thursday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
05/09/2024 11:49		05/09/2024 11:49			
Sit	te conditions, facing northeast.	Site o	conditions, facing so	outheast	
05/09/2024 11:50		05/09/2024 11/50			
	Site conditions, facing east.	Site	conditions, facing no	ortheast	



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DAT	ГА:					
Report Date:	5/10/2024		Report No.:	46		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	106
Contract Time to Subs	tantial Complete: (Calendar Days):	162	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 10, 2024

	High	Low	Average		High	Low	Average
Temperature	74.3 °F	49.3 °F	61.5 °F	Wind Speed	24.6 mph	0.0 mph	4.4 mph
Dew Point	56.5 °F	45.9 °F	50.6 °F	Wind Gust	34.2 mph	-	5.8 mph
Humidity	97 %	39 %	71 %	Wind Direction	*	- 22	NW
Precipitation	0.00 in	-	2-	Pressure	30.11 in	29.88 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-10/2024-05-10/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~3			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 10:00 AM.
 - o CEC removed and graded excess saturated gravel on the west access road with the Bobcat T770 Skid Steer.
 - o CEC was not able to work past 10:00 AM due to poor site conditions.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

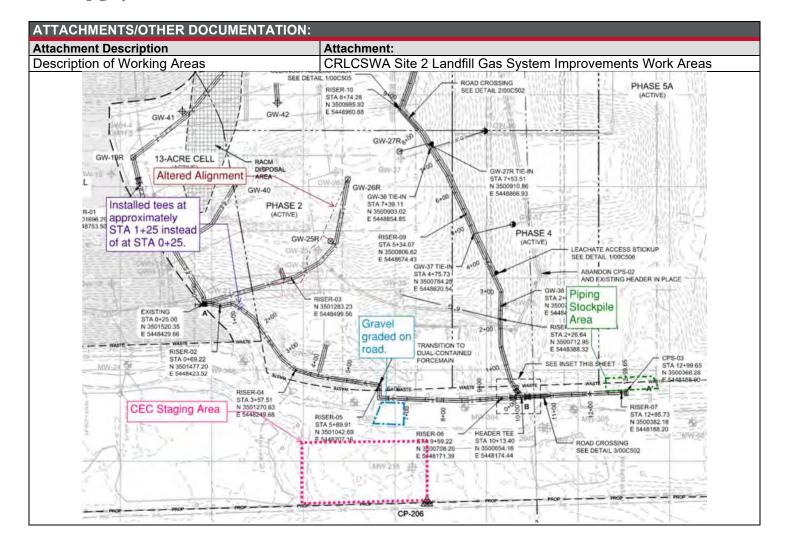
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 9:00 AM.







PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/10/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC	y -	,
IDR Project No.	10383401	Owner Project No.	N/A		
05/10/2024 08:12	Site conditions, facing north.	05/10/2024 08:13 Si	ite conditions, faci	ng east.	
05/10/2024 0B-14		05/10/2024 08:26			
Skid Steer an	ading west access road, facing northwest.	Si	te conditions, facir	ng north.	



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DAT	ГА:						
Report Date:	5/11/2024			Report No.:	47		
Created By:	Mike Walsh	١		Total Count to	Date: (Calence	dar Days):	107
Contract Time to Subs	tantial Com	olete: (Calendar Days):	161	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 11, 2024

	High	Low	Average		High	Low	Average
Temperature	77.5 °F	43.2 °F	62.4 °F	Wind Speed	28.6 mph	0.0 mph	3.9 mph
Dew Point	51.3 °F	39.4 °F	44.3 °F	Wind Gust	40.0 mph	.5	5.5 mph
Humidity	91 %	27 %	56 %	Wind Direction	-	-	NNW
Precipitation	0.00 in		22-	Pressure	30.02 in	29.93 in	44

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-11/2024-05-11/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No. Craft Po			
9	CEC	~13			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-10	12-IN HDPE Gas Header	350	Approximately STA 6+00 to STA 9+50
Bid Item-14	4-IN by 8-IN HDPE Condensate	350	Approximately STA 6+00 to STA 9+50
Bid Item-15	2-IN HDPE Air Supply	350	Approximately STA 6+00 to STA 9+50
Bid Item 22	Additional Trench Depth 4-8	100	Approximately STA 6+15 to STA 7+15
Bid Item 23	Additional Trench Depth 8-12	235	Approximately STA 7+15 to STA 9+50

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:00 PM.
 - CEC started to trench on the 12-IN HDPE gas header system from STA 6+00 to STA 9+50. CEC excavated
 the trench with the Volvo EC210EL Excavator and placed the excavated soil on the edge of the west access
 road.
 - o CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN by 8-IN dual contained HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Komastu PC200LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC at the tipping pad backfilled with clean soil and then backfilled with the tipping gravel with the Volvo EC210EL Excavator and Komastu PC200LC Excavator.
 - o CEC transitioned from 4-IN HDPE condensate line to the 4-IN by 8-IN dual contained HDPE condensate at approximately STA 6+00. CEC used a transition to complete the transition.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC fused various pipe fittings to varying lengths 12-IN HDPE piping on the south of Phase 5B.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

 CEC reported to HDR that a portion of the 12-IN gas header system near STA 6+00 to STA 6+15 will not have sufficient cover as excavated. HDR instructed CEC to cover the 12-IN gas header system with sufficient amount of cover and grade the drainage northward to maintain pre-construction conditions.

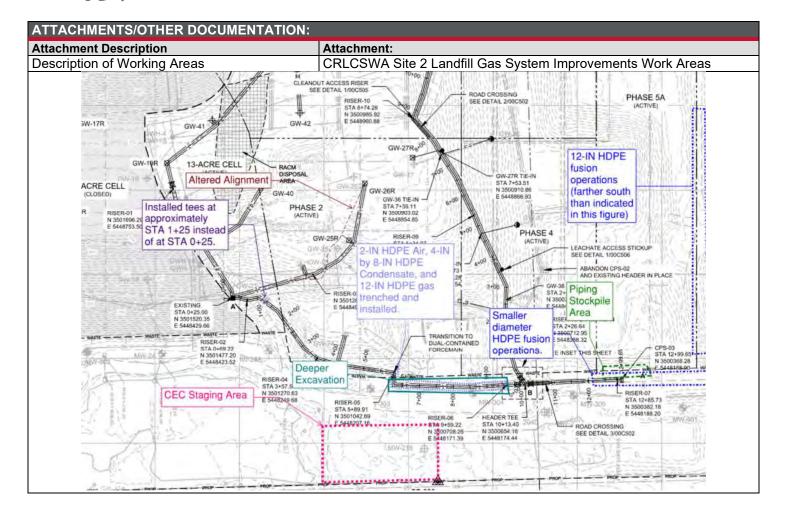
GENERAL OBSERVATIONS AND REMARKS

• Most of the trench required additional depth for grade.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 6:15 PM.







PHOTOGRAPHIC LOG						
Project Name:	Landfill Gas System Improvements	Date:	5/11/2024	Day:	Saturday	
Project Owner:	CRLCSWA	Contractor:	CEC			
HDR Project No.	10383401	Owner Project No.	N/A			



Excavator excavating trench for 12-IN HDPE gas header system, facing south.



HDPE fusion operations, facing southeast.



HDPE fusion operations, facing northwest.



HDPE fusion operations in the trench, facing west.



Transition from 4-IN HDPE to 4-IN by 8-IN HDPE piping, facing west.



Excavator backfilling the trench and CEC placing warning tape, facing north.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:							
Report Date:	5/12/2024			Report No.:	48		
Created By:	Mike Walsh			Total Count to	Date: (Calenc	lar Days):	108
Contract Time to Substantial Complete: (Calendar Days): 160			160	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 12, 2024

	High	Low	Average		High	Low	Average
Temperature	86.2 °F	47.7 °F	68.5 °F	Wind Speed	18.6 mph	0.0 mph	4.9 mph
Dew Point	61.0 °F	43.0 °F	51.4 °F	Wind Gust	25.1 mph	-	6.2 mph
Humidity	84 %	29 %	58 %	Wind Direction	-		ssw
Precipitation	0.00 in			Pressure	29.98 in	29.81 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-12/2024-05-12/daily) Marion, IA.

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
9	CEC	~14			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			
_				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-10	12-IN HDPE Gas Header	75	Approximately STA 9+50 to STA 10+25
Bid Item-14	4-IN by 8-IN HDPE Condensate	75	Approximately STA 9+50 to STA 10+25
Bid Item-15	2-IN HDPE Air Supply	75	Approximately STA 9+50 to STA 10+25
Bid Item 23	Additional Trench Depth 8-12	75	Approximately STA 9+50 to STA 10+25

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 9:00 PM.
 - CEC started to trench on the 12-IN HDPE gas header system from STA 9+50 to STA 10+25. CEC excavated
 the trench with the Volvo EC210EL Excavator and placed the excavated soil on the edge of the west access
 road.
 - o CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN by 8-IN dual contained HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Komastu PC200LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC installed Riser-06 on the 12-IN gas header system. CEC installed two 12-IN butterfly valves without risers where the 10-IN HDPE gas header system to the 12-IN gas header system.
 - CEC removed a part of the existing 18-IN ADS culvert located at approximately STA 10+25 with a reciprocating saw. The section removed was damaged with two major holes.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC fused various pipe fittings to varying lengths 12-IN HDPE piping on the south of Phase 5B.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- HDR reported to CEC that the grading as is north of the former tipping pad may need regrading to properly convey stormwater. CEC kept the elevation of the roadway for an additional 5- to 10-FT east, shrinking the drainage ditch cross sectional area. HDR to talk internally and with CRLCSWA on the matter.
- HDR reported to CEC that the section of the culvert that was removed for trenching at approximately STA 10+25.
 had been significantly damaged. HDR noted that CEC will need to replace/repair the item.
- CEC reported to HDR that they do not have the necessary components to complete the 12-IN HDPE gas header system and 10-IN HDPE gas header system valve groups and will need to leave the area open. HDR instructed CEC to berm the areas around the excavation and to leave enough room on the west access road to have at least one way traffic. HDR notified CRLCSWA by email of the situation.

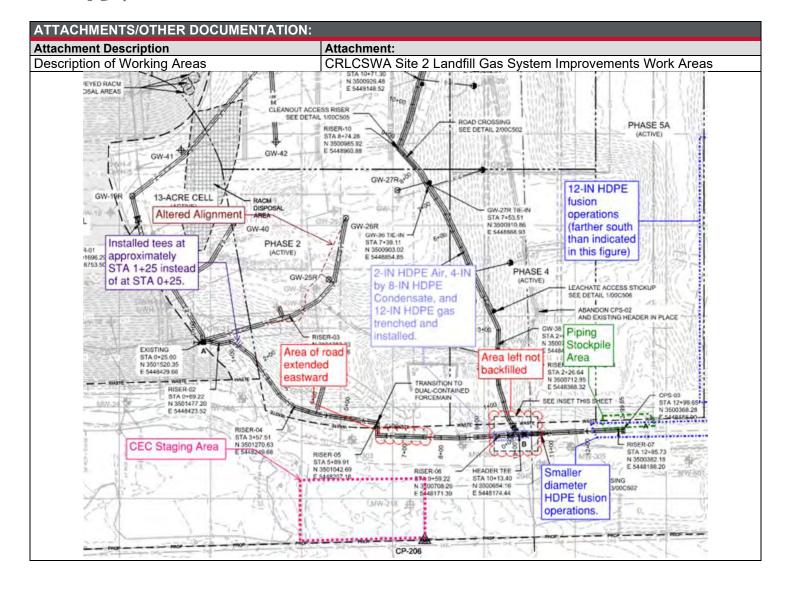
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 8:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/12/2024	Day:	Sunday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
05/12/2024 10:34		05/12/2024 15:60			
Damage do	one to the existing culvert, facing north.	Excavator excavatir	ng trench for 12-IN south.	gas head	er system, facing
05/12/202418:05		05/12/2024 18:37			
CEC install	ing a 12-IN butterfly valve, facing west.	Excavators placino	g 12-IN gas heade facing north		cavated trench,
05/2/2020 19:20		05/12/6024 18-40			
CEC fusing HDF	PE piping within the trench, facing northwest.	CEC fusing HDPI	E piping within the	trench, fac	cing northeast.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ГА:						
Report Date:	5/13/2024			Report No.:	49		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 109		
Contract Time to Subs	tantial Com	olete: (Calendar Days):	159	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 13, 2024

	High	Low	Average		High	Low	Average
Temperature	76.3 °F	61.2 °F	66.8 °F	Wind Speed	12.3 mph	0.0 mph	2.7 mph
Dew Point	62.1 °F	54.1 °F	58.2 °F	Wind Gust	14.8 mph	-	3.6 mph
Humidity	89 %	58 %	74 %	Wind Direction	e	-	South
Precipitation	0.02 in	+	è	Pressure	29.92 in	29.82 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-13/2024-05-13/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contracto	r Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
9	CEC	~2.5			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	·
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 9:30 AM.
 - CEC graded previous areas that were backfilled with the Komastu PC210LC Excavator and Volvo EC200EL Excavator.
 - CEC excavated around the Phase 2 leachate cleanout riser after accidentally covering up the cleanout this
 past weekend with the Volvo EC200EL Excavator. HDR did not find any damage to the cleanout riser or the
 fire hose attached to the cleanout riser.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- CRLCSWA noted that the roadway extension eastward is ok and that the ditch should have enough capacity to convey existing stormwater demands.
- CRLCSWA reported to HDR that CEC had accidentally covered over the Phase 2 leachate cleanout riser.
 CRLCSWA requested that CEC dig around the leachate cleanout riser and inspect for damage. CEC completed this work today (5/13/2024).

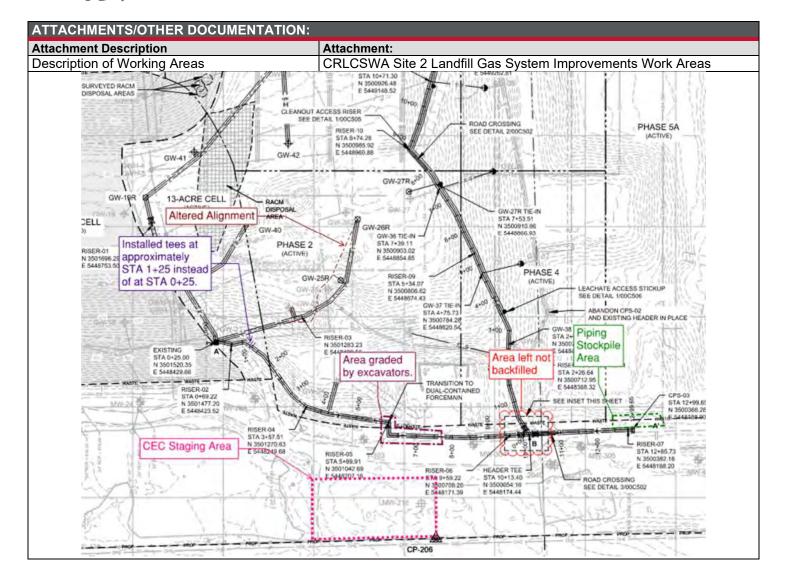
GENERAL OBSERVATIONS AND REMARKS

Precipitation started around 8:00 AM and continued sporadically throughout the day.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 9:30 AM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/13/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
05/13/2024 07:58		05/13/2024 08:03			
	Site conditions, facing north.	Excavator gra	ading backfill area	as, facing s	outheast.
05/13/2024 08:14		45/13/2hd s (15m) 2			
Excavator (grading backfill areas, facing southwest.	Covered Phase 2 I	_eachate Cleanoι	ut Riser, fac	cing southeast.
05/32/2024 09:06		05/13/2024 03: G			
Excavator uncove	ering Phase 2 Leachate Cleanout Riser, facing southeast.	Uncovered Phase 2	Leachate Cleand	out Riser, fa	acing southeast.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ГА:					
Report Date:	5/14/2024		Report No.:	50		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	110
Contract Time to Subs	stantial Complete: (Calendar Days):	158	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	on Date: 10/18/2024		Final Completi	ion Date:	10/31/202	4

Summary May 14, 2024

	High	Low	Average		High	Low	Average
Temperature	66.6 °F	54.3 °F	60.5 °F	Wind Speed	15.9 mph	0.0 mph	4.8 mph
Dew Point	59.2 °F	50.5 °F	55.2 °F	Wind Gust	23.9 mph	-	6.5 mph
Humidity	94 %	71 %	83 %	Wind Direction	-	-	NE
Precipitation	0.05 in	-	-	Pressure	29.97 in	29.84 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-14/2024-05-14/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor	Employee		Subcontractor Employee		
No. Craft Hours on Site		No. Craft H			
8	CEC	~10			

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - CEC prepped for the installation of the condensate and air isolation valves by excavating around the valve location with the Volvo EC210EL Excavator.
 - o CEC extended the 4-IN by 8-IN HDPE dual contained cleanout riser (Riser-06) by fusing additional dual contained piping to the end of the cleanout riser. CEC backfilled to ground level around Riser-06.
 - o CEC fused various pipe fittings to varying lengths 12-IN HDPE piping on the south of Phase 5B.
 - o CEC offloaded shipments that arrived from the previous few weeks with the Bobcat T770 Skid Steer.
 - o CEC installed a valve steam riser on the north 12-IN butterfly valve installed on Sunday (5/12/2024). CEC placed a 10-IN HDPE piping over the valve steam riser.
 - o CEC installed HDPE plates below the 12-IN butterfly valves.
 - o CEC fused various pipe fittings to a varying length of 4-IN by 8-IN HDPE on the west side of Phase 5A.
 - CEC installed the 2-IN isolation valve on the north side of the 12-IN HDPE gas header system and 10-IN HDPE gas header system junction.
 - o CEC moved their piping materials farther to the north on the west side of Phase 2.
 - CEC fused a 12-IN HDPE flange to CPS-03 on the west side of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

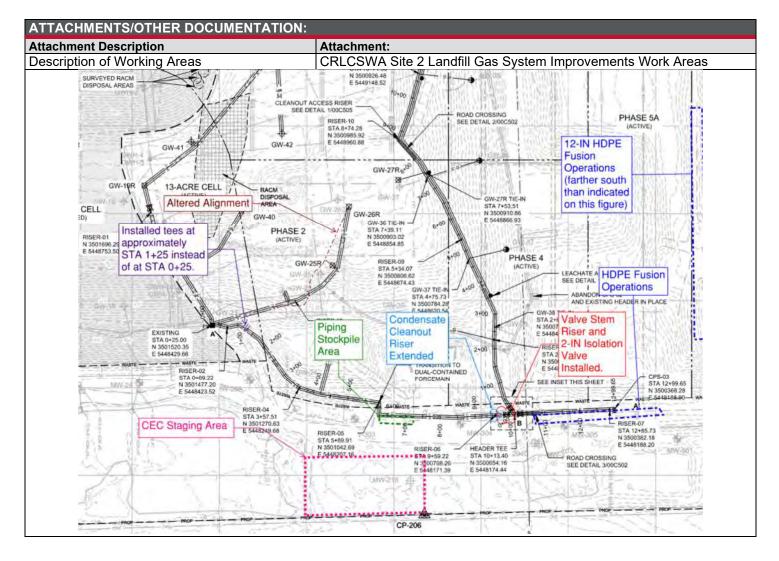
GENERAL OBSERVATIONS AND REMARKS

- CEC received multiple components to complete the isolation valves on the 12-IN HDPE gas header system.
- Precipitation was sporadic throughout the day.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 3:30 PM.





BUGTOODABU	10.1.00				
PHOTOGRAPH			5/4.4/000.4		-
Project Name:	Landfill Gas System Improvements	Date:	5/14/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
05/-5/2024-06-11		05/14/2024 06/22			
CEC extending	the condensate cleanout, facing northeast.	12-IN HD	PE fusion operation	ons, facing	east.
05/14/2024 11:52		05/14/2024 32:54			
10-IN HDPE p	iping placed over valve steam riser, facing southwest.	12-IN HDPE flan	ge being welded to	o CPS-03,	facing south.
05/14/2024 15:07		05/14/2024 15/18			
2-IN isolation	n valve being installed, facing southeast.	HDPE fusion	operations in the	trench, fac	cing east.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	5/15/2024			Report No.:	51		
Created By:	Mike Walsh			Total Count to	Date: (Calend	lar Days):	111
Contract Time to Substantial Complete: (Calendar Days): 157			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary May 15, 2024

	High	Low	Average		High	Low	Average
Temperature	75.7 °F	47.5 °F	62.7 °F	Wind Speed	18.1 mph	0.0 mph	3.0 mph
Dew Point	59.7 °F	43.9 °F	52.0 °F	Wind Gust	26.2 mph	-	4.0 mph
Humidity	88 %	46 %	70 %	Wind Direction	77	-	East
Precipitation	0.00 in			Pressure	30.03 in	29.92 in	4.

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-15/2024-05-15/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor	Employee		Subcontractor Employee		
No. Craft Hours on Site		No. Craft H			
8	CEC	~12			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				
_					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-9	18-IN CMP Road Crossing	60	Approximately STA 10+25 to STA 10+85
Bid Item-10	12-IN HDPE Gas Header	150	Approximately STA 10+25 to STA 11+75
Bid Item-14	4-IN by 8-IN HDPE Condensate	150	Approximately STA 10+25 to STA 11+75
Bid Item-15	2-IN HDPE Air Supply	150	Approximately STA 10+25 to STA 11+75
Bid Item-23	Additional Trench Depth 8-12	150	Approximately STA 10+25 to STA 11+75

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench on the 12-IN HDPE gas header system from STA 10+25 to STA 11+75. CEC excavated
 the trench with the Volvo EC210EL Excavator and placed the excavated soil on the edge of the west access
 road.
 - o CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN by 8-IN dual contained HDPE condensate line into the trench with the Volvo EC210EL Excavator.
 - CEC installed the 18-IN CMP roadway crossing at approximately STA 10+25 to STA 10+85. CEC placed 4-IN by 4-IN wooden blocks on the bottom of the 12-IN HDPE gas header line in the roadway crossing and installed straps to secure them to the pipeline.
 - o CEC installed the south 12-IN butterfly valve riser where the 10-IN HDPE gas header system to the 12-IN gas header system.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC fused various pipe fittings to varying lengths 12-IN HDPE piping on the west of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- HDR reported to CEC that the locator wire for the existing 4-IN watermain was torn in two locations. HDR requested the CEC repair these items before backfilling.
- CRLCSWA reported to HDR and CEC that a scuff/indent in the existing 4-IN watermain will need a repair.

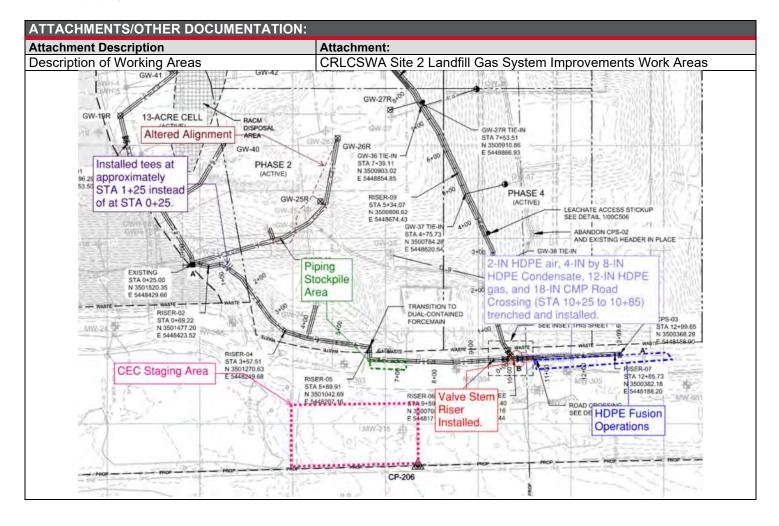
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 4:00 PM.





PHOTOGRAPH	IC LOG					
Project Name:	Landfill Gas System Improvements	Date:	5/1	5/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CE	:C		
HDR Project No.	10383401	Owner Project No	o. N//	4		
				all a		



Excavator excavating the trench for the 12-IN HDPE gas header system, facing south.



CEC fusing HDPE piping west of Phase 5A, facing southwest.



CEC installing wooden blocks under the 12-IN HDPE gas header in the road crossing, facing south.



Installed wooden blocks in roadway crossing, facing south.



Damage on the existing 4-IN water main, facing east.



Excavators lowering the 12-IN HDPE gas header pipe, facing north.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ΓA:					
Report Date:	5/16/2024		Report No.:	52		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	112
Contract Time to Subs	stantial Complete: (Calendar Days):	156	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 16, 2024

	High	Low	Average		High	Low	Average
Temperature	80.2 °F	54.3 °F	67.0 °F	Wind Speed	25.7 mph	0.0 mph	3.9 mph
Dew Point	63.0 °F	50.2 °F	57.2 °F	Wind Gust	33.1 mph	-	5.2 mph
Humidity	91 %	41 %	73 %	Wind Direction	-	-	ssw
Precipitation	0.00 in			Pressure	29.95 in	29.83 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-16/2024-05-16/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-10	12-IN HDPE Gas Header	110	Approximately STA 11+75 to STA 12+85
Bid Item-14	4-IN by 8-IN HDPE Condensate	110	Approximately STA 11+75 to STA 12+85
Bid Item-15	2-IN HDPE Air Supply	110	Approximately STA 11+75 to STA 12+85
Bid Item-23	Additional Trench Depth 8-12	110	Approximately STA 11+75 to STA 12+85

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench on the 12-IN HDPE gas header system from STA 11+75 to STA 12+85. CEC excavated
 the trench with the Volvo EC210EL Excavator and placed the excavated soil on the edge of the west access
 road.
 - o CEC set the 12-IN HDPE gas header, 2-IN HDPE air line, and 4-IN by 8-IN dual contained HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Komastu PC200LC Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC partially installed Riser-07.
 - o CEC fused various pipe fittings to varying lengths 12-IN HDPE piping on the west of Phase 5A.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- CEC corrected the torn locator wire in two locations by reattaching the wires together and placing electrical binders to connect the wires.
- CEC corrected the damage done to the existing 4-IN water main by cutting out the damaged location and welding the pipe back together. CEC left this area open overnight to inspect for leaks in the morning.

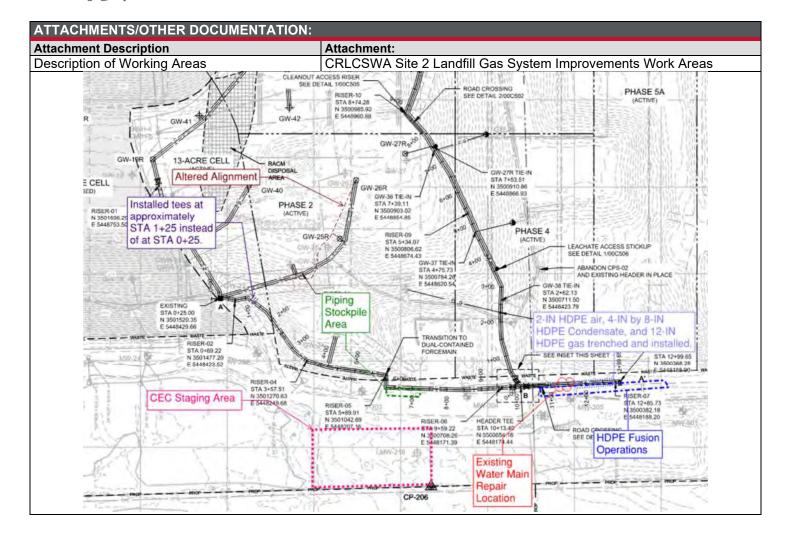
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 5:00 PM.





Project Owner: CI HDR Project No. 10	andfill Gas System Improvements RLCSWA 0383401 Trench for 12-IN HDPE gas header system, facing south.	Date: Contractor: Owner Project No.	5/16/2024 CEC N/A	Day:	Thursday
Project Owner: CF HDR Project No. 10	0383401 Trench for 12-IN HDPE gas header system,	Owner Project No.			
05/16/2024 10:02	trench for 12-IN HDPE gas header system,	05/16/2024 11 03	N/A		
		057 15/2024 11 03			
Excavator excavating t		HUDE 4		49 1 19 11 67	1
	10 C	TIDI E	fusion operations,	, facing noi	rth.
05/16/2024 15:35		GS (Page 1962)			
CEC repairing dama	aged section of 4-IN water main, facing northeast.	Excavator alteri	ng pipelines withi	n trench, fa	acing south.
		05/16/2024 16:47	HOMATEU		
12-IN HDPE gas head	der system within the trench, facing south.	Excavator	backfilling the trer	nch. facing	north



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DA	TA:					
Report Date:	5/17/2024		Report No.: 5	3		
Created By:	Mike Walsh		Total Count to D	ate: (Calend	ar Days):	113
Contract Time to Subs	stantial Complete: (Calendar Days):	155	Notice to Procee	ed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Completion	n Date:	10/31/2024	4

Summary May 17, 2024

	High	Low	Average		High	Low	Average
Temperature	81.9 °F	47.3 °F	66.2 °F	Wind Speed	19.0 mph	0.0 mph	2.7 mph
Dew Point	59.4 °F	45.3 °F	52.4 °F	Wind Gust	27.3 mph	-	3.6 mph
Humidity	94 %	35 %	65 %	Wind Direction			South
Precipitation	0.00 in			Pressure	29.94 in	29.83 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-17/2024-05-17/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No. Craft		Hours on Site	
9	CEC	~12			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			
_				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-19	Condensate Sump	N/A	Condensate sump placed and concrete placed
	•		around it.

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC excavated a hole for CPS-03 with the Volvo EC210EL Excavator. CEC placed the CPS-03 into the
 excavated hole and bolted CPS-03 to the recently installed 12-IN HDPE gas header. CEC placed concrete
 from a concrete truck into the excavated hole around CPS-03. CEC placed the bucket of the excavator on
 top of CPS-03 overnight.
 - o CEC backfilled the area where the 4-IN water main repair was done with the Komastu PC200LC Excavator. HDR and CEC found no evidence of leaks in the repair.
 - o CEC backfilled other regions of the trenched areas with the Volvo EC210EL Excavator.
 - CEC fused various pipe fittings to a varying length of 2-IN, 4-IN by 8-IN, and 6-IN HDPE on the west side of Phase 5A.
 - o CEC completely installed Riser-07.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• HDR reported to CEC that groundwater was infiltrating into the condensate sump hole. HDR asked CEC to remove excess water before filling with concrete.

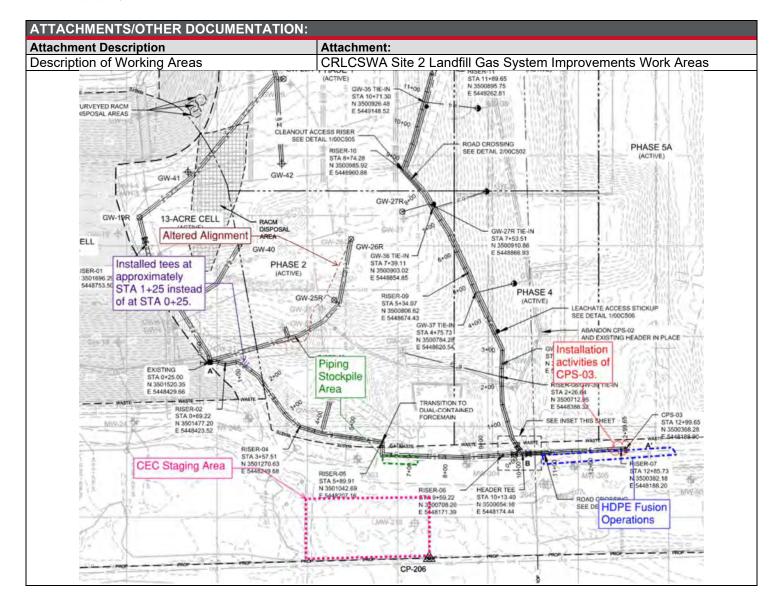
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 3:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/17/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC		•
HDR Project No.	10383401	Owner Project No.	N/A		
05/17/2024 09 47					
Excavator placi	ng CPS-02 in excavated hole, facing north.	Repaired exist	ting 4-IN water ma	in, facing	northeast.
057 7/2000 10 7/2					
Excavator backfi	lling the area of the water main repair, facing north.	CEC pumping out exc	cess water from ex	cavation,	facing northwest
		William 195/5/2002 d 59			
Concrete being pl	aced in the excavated hole for CPS-03, facing east.	Excavator buck	cet on top of CPS-	03, facing	southeast.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:							
Report Date:	5/18/2024			Report No.:	54		
Created By:	Mike Walsh			Total Count to	Date: (Calenc	lar Days):	114
Contract Time to Substantial Complete: (Calendar Days): 154			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary May 18, 2024

	High	Low	Average		High	Low	Average
Temperature	87.1 °F	56.8 °F	74.2 °F	Wind Speed	28.9 mph	0.0 mph	5.9 mph
Dew Point	67.6 °F	51.8 °F	60.6 °F	Wind Gust	37.6 mph	7.	7.7 mph
Humidity	84 %	45 %	64 %	Wind Direction	-	-	ssw
Precipitation	0.00 in			Pressure	30.02 in	29.87 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-18/2024-05-18/daily) Marion, IA.

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
9	CEC	~10			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			
_				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-12	6-IN HDPE Gas Lateral	55	Westbound from GW-26R and to GW-25R and GW-23
Bid Item-13	4-IN HDPE Condensate	55	Westbound from GW-26R and to GW-25R and GW-23
Bid Item-15	2-IN HDPE Air Supply	55	Westbound from GW-26R and to GW-25R and GW-23

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - o CEC partially backfilled the excavation for CPS-03 with clean soil removed during the excavation.
 - CEC started to trench for the lateral system from GW-26R westbound towards GW-25R and GW-23 to the tiein at the 10-IN HDPE gas header system approximately 55 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC installed Riser-03 north of the tees towards GW-23.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

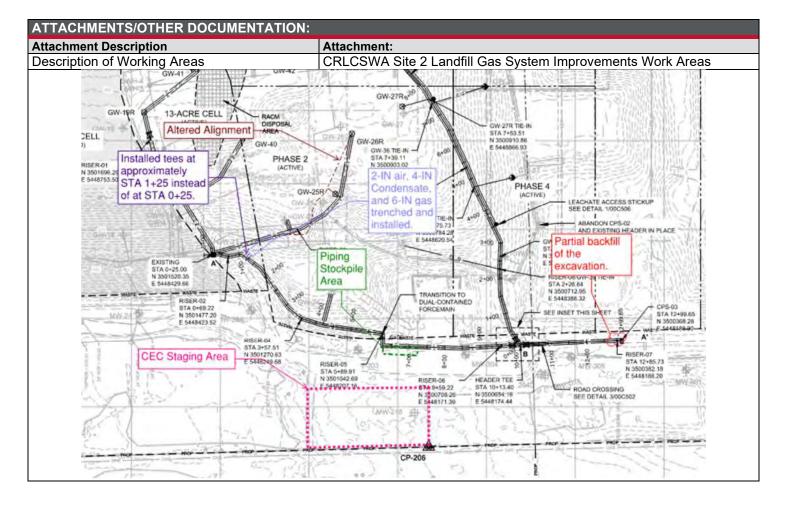
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 1:00 PM.





PHOTOGRAPH	IIC I OG	_	_	-	_
Project Name:	Landfill Gas System Improvements	Date:	5/18/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC	Day.	1
HDR Project No.	10383401	Owner Project No.	N/A		
		05/18/2024 10:21			
Partially back	filled CPS-03 excavation, facing northeast.	CEC ir	nstalling Riser-03,	facing sou	uth.
05/18/2024-11-23 Excavator backfilli	ing the transh with clean soil facing southeast	OS/15/2024 12 hs	ning in the transh	facing to	orthweet.
05/15/2024 12-11	ing the trench with clean soil, racing southeast.	05/h3/2024 12/40	pipe in the trench		
CEC fu	sing pipe in the trench, facing west.	Excavator backfilling	the trench with c	lean soil, f	acing southwest.



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DAT	ГА:						
Report Date:	5/20/2024			Report No.:	55		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 116		
Contract Time to Subs	tantial Com	olete: (Calendar Days):	152	Notice to Proceed Date:			1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 20, 2024

	High	Low	Average		High	Low	Average
Temperature	85.1 °F	61.0 °F	69.7 °F	Wind Speed	21.9 mph	0.0 mph	3.1 mph
Dew Point	69.6 °F	53.2 °F	62.7 °F	Wind Gust	26.2 mph	-	4.3 mph
Humidity	94 %	53 %	80 %	Wind Direction	+	-	East
Precipitation	1.22 in		4	Pressure	30.05 in	29.88 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-20/2024-05-20/daily) \ Marion, \ IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
0	CEC	0			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work due to precipitation received today.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

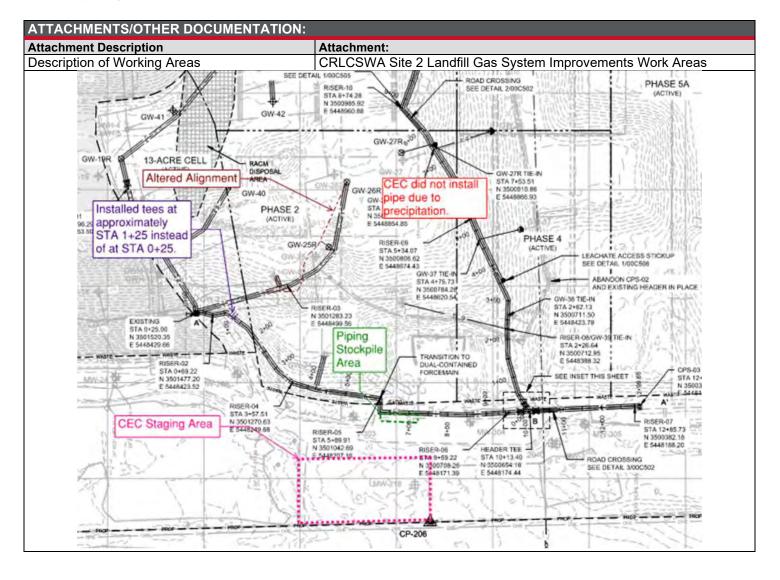
GENERAL OBSERVATIONS AND REMARKS

• Precipitation happened sporadically throughout the day.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 12:00 PM to 1:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/20/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A		
05/20/2024 12:22		05/20/2024 12-23			
Sit	te conditions, facing northeast.	Site	conditions, facing	northwest	
05/20/2024 12:23		05/20/2024 12:23			
	Site conditions, facing east.	Site	conditions, facing	southeast	



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DAT	ГА:						
Report Date:	5/21/2024			Report No.:	56		
Created By:	Mike Walsh	า		Total Count to	Date: (Calence	lar Days):	117
Contract Time to Subs	tantial Com	olete: (Calendar Days):	151	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 21, 2024

	High	Low	Average		High	Low	Average
Temperature	80.8 °F	60.4 °F	69.2 °F	Wind Speed	36.0 mph	0.0 mph	7.0 mph
Dew Point	72.1 °F	55.6 °F	64.4 °F	Wind Gust	51.4 mph	-	9.3 mph
Humidity	93 %	68 %	85 %	Wind Direction	-	+	SE
Precipitation	0.71 in	+	-	Pressure	29.94 in	29.52 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-21/2024-05-21/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No. Craft Ho			
9	CEC	~3			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 10:00 AM.
 - o CEC could not work due to precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

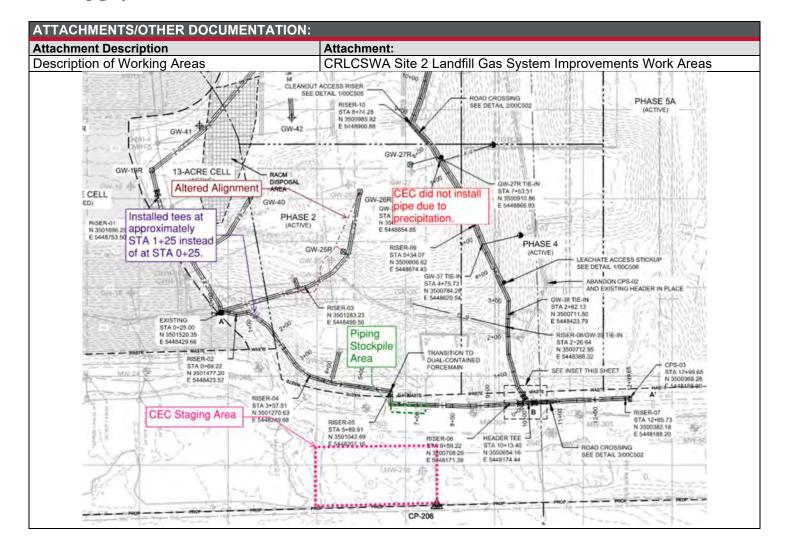
GENERAL OBSERVATIONS AND REMARKS

• Precipitation started at 8:00 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 10:00 AM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/21/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
IDR Project No.	10383401	Owner Project No.	N/A		
05/21/2024 08:00	Site conditions, facing north.	05/21/2024 05:00 Si	te conditions, faci	ng east.	
05/21/2024 08:02		Q5/21/2024 Q8:03		And Security	7
	Site conditions, facing north.	Sit	e conditions, facir	na south.	



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	5/22/2024		Report No.:	57		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	118
Contract Time to Subs	tantial Complete: (Calendar Days):	150	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4

Summary May 22, 2024

	High	Low	Average		High	Low	Average
Temperature	76.3 °F	54.7 °F	64.2 °F	Wind Speed	22.4 mph	0.0 mph	6.6 mph
Dew Point	56.1 °F	48.6 °F	51.6 °F	Wind Gust	28.6 mph	3	8.8 mph
Humidity	87 %	41 %	66 %	Wind Direction	-	-	West
Precipitation	0.00 in	+	e	Pressure	30.04 in	29.71 in	**

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-22/2024-05-22/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee Subcontractor Employee					
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~13.5			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-11	10-IN HDPE Gas Header	50	Approximately STA 0+00 to STA 0+50
Bid Item-14	4-IN by 8-IN HDPE Condensate	50	Approximately STA 0+00 to STA 0+50
Bid Item-15	2-IN HDPE Air Supply	50	Approximately STA 0+00 to STA 0+50

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 8:30 PM.
 - o CEC fused various sizes of HDPE piping to varying pipe fittings in CEC's pipe stockpile area.
 - o CEC started to install 10-IN/12-IN HDPE gas header system east of the 10-IN HDPE gas header and 12-IN HDPE gas header junction from STA 0+00 to STA 0+50.
 - o CEC set the 10-IN/12-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN by 8-IN dual contained HDPE condensate line into the trench with the Volvo EC210EL Excavator.
 - o CEC installed the 10-IN butterfly valve for the east gas isolation valve.
 - CEC installed the two condensate isolation valves at the 10-IN HDPE gas header and 12-IN HDPE gas header junction. The north condensate isolation valves has 4-IN by 8-IN dual contained HDPE risers and the east condensate isolation valve has 4-IN HDPE risers.
 - CEC installed the remaining two air supply isolation valves at the 10-IN HDPE gas header and 12-IN gas header junction.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

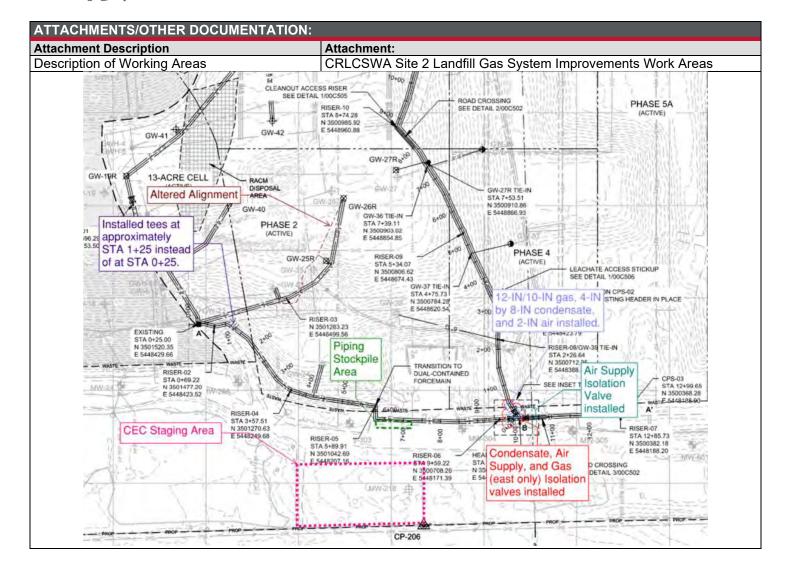
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 7:00 PM.







PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/22/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC		1
HDR Project No.	10383401	Owner Project No.	N/A		
05/22/2024 05:08		05/22/2024 10:03			
CEC fusing col	ndensate isolation valves, facing northwest.	CEC fusing a reducer	onto the 12-IN HD southeast.	PE gas h	eader line, facino
41.2					
Excavator loweri	ng in the 10-IN HDPE gas header line, facing east.	CEC installing	ng 10-IN butterfly va	alve, faci	ng east.
05/22/2024 18:55		55/22/3024 Ja-92			
CEC installing the	north condensate isolation valve, facing west.	CEC installing the no	orth condensate isc	olation va	lve, facing east.



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DA	TA:					
Report Date:	5/23/2024		Report No.:	58		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	119
Contract Time to Subs	stantial Complete: (Calendar Days):	149	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Completi	on Date:	10/31/202	4

Summary May 23, 2024

	High	Low	Average		High	Low	Average
Temperature	80.8 °F	50.2 °F	66.4 °F	Wind Speed	16.1 mph	0.0 mph	2.8 mph
Dew Point	56.8 °F	47.5 °F	51.6 °F	Wind Gust	25.1 mph	-	3.7 mph
Humidity	93 %	33 %	63 %	Wind Direction		-	South
Precipitation	0.00 in	4		Pressure	30.05 in	29.90 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-23/2024-05-23/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC fused various sizes of HDPE piping to varying pipe fittings in CEC's pipe stockpile area.
 - o CEC installed the one condensate isolation valves at the 10-IN HDPE gas header and 12-IN HDPE gas header junction. The south condensate isolation valves have 4-IN by 8-IN dual contained HDPE risers.
 - CEC placed pipes for future surveying approximately every 50-FT in the excavated areas around the isolation valves and CPS-03. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC finished installing Riser-07. CEC installed a 2-IN and 4-IN by 8-IN dual contained tee and cap at CPS-03.
 - o CEC started to fuse caps and blind flanges on all the installed 4-IN HDPE and 4-IN by 8-IN dual contained.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

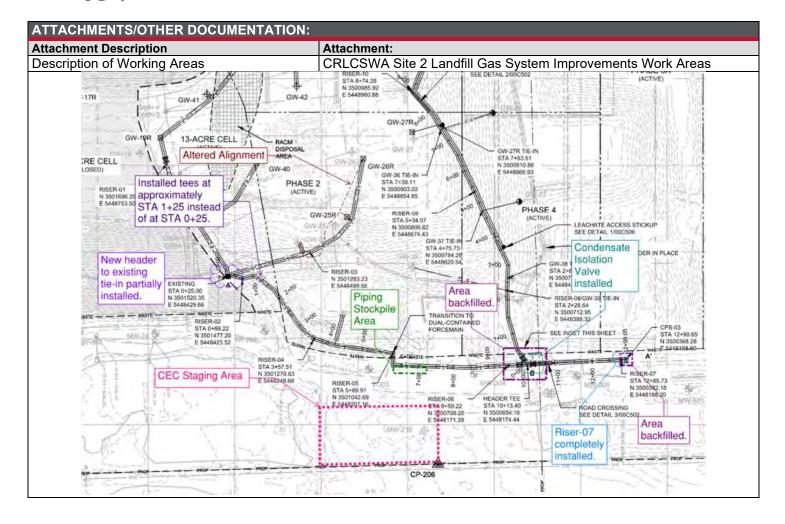
GENERAL OBSERVATIONS AND REMARKS

The biweekly progress meeting was held today at 9:30 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:00 AM to 4:00 PM.





FJS					
PHOTOGRAPH	IC LOG				
Project Name: Project Owner: HDR Project No.	Landfill Gas System Improvements CRLCSWA 10383401	Date: Contractor: Owner Project No.	5/23/2024 CEC N/A	Day:	Thursday
05/20004-103-04		1347224-10-18			
CEC installing the	he condensate isolation valve, facing north.	CEC installing conder	nsate cleanout at R	iser-07,	facing northwest.
05/20/2021 1 1 6		05/23/2021-15 0 3			
Excavato	or backfilling the trench, facing north.	Installed tees and	caps around CPS-	-03, facir	ng southeast.



Excavator backfilling the area around the isolation valves, facing north.



CEC installing 4-IN HDPE caps on condensate cleanout risers, facing south.



SCONSTRUCTION	I DAILY REPORT		
HDR#	10383401	PROJECT:	Landfill Gas System Improvements
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering

DAILY REPORT DAT	ГА:						
Report Date:	5/24/2024			Report No.:	59		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 120		
Contract Time to Subs	tantial Com	olete: (Calendar Days):	148	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 24, 2024

	High	Low	Average		High	Low	Average
Temperature	70.0 °F	56.7 °F	64.0 °F	Wind Speed	24.6 mph	0.0 mph	3.6 mph
Dew Point	65.7 °F	50.5 °F	59.0 °F	Wind Gust	34.2 mph	-	5.0 mph
Humidity	94 %	66 %	84 %	Wind Direction	-	-	SE
Precipitation	1.25 in	-		Pressure	29.95 in	29.73 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-24/2024-05-24/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	No. Craft Hour on Si		
0	CEC	0			

VISITORS:				
Time	Name	Remarks		

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC did not work today due to precipitation.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

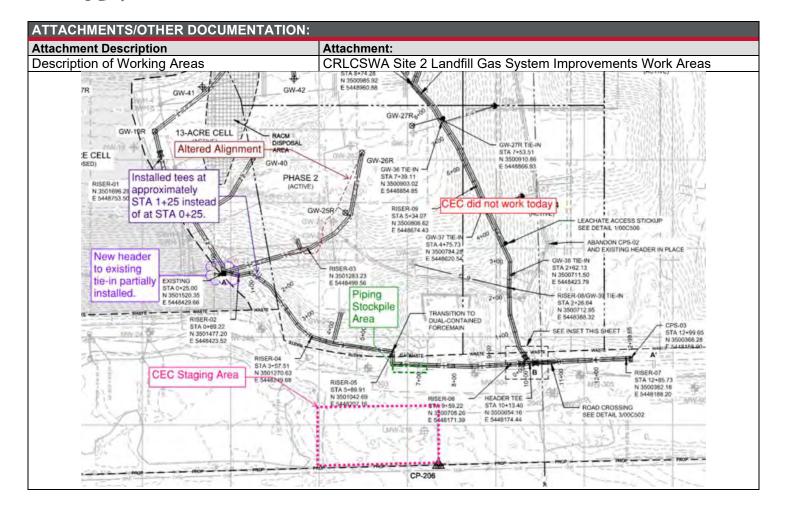
GENERAL OBSERVATIONS AND REMARKS

• Precipitation was constant throughout the day.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 7:45 AM to 8:00 AM.







Date:	5/24/2024	Day: Friday
Contractor:	CEC	·
Owner Project No.	N/A	
05/24/2024 07:55 Site o	conditions, facing so	outheast.
05/24/2024 07:56		
	Contractor: Owner Project No. 05/24/2024 07:55 Site of the contract of the c	Contractor: CEC Owner Project No. N/A Site conditions, facing so



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:						
Report Date:	5/25/2024		Report No.:	60		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	121
Contract Time to Subs	stantial Complete: (Calendar Days):	147	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 25, 2024

	High	Low	Average		High	Low	Average
Temperature	75.7 °F	43.9 °F	62.6 °F	Wind Speed	10.7 mph	0.0 mph	2.8 mph
Dew Point	57.0 °F	41.9 °F	50.7 °F	Wind Gust	13.6 mph	-	3.8 mph
Humidity	94 %	42 %	67 %	Wind Direction	-	-	East
Precipitation	0.00 in			Pressure	30.03 in	29.87 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-25/2024-05-25/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No. Craft Hou on S			
8	CEC	~11			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
2 x Volvo A25G Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					
McElroy TracStar Fusion Machine	CEC					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-8	Remote Well Tie-in	N/A	GW-33 and GW-36: PVC to HDPE Transition
	Remote Well He-III	IN/A	Piece installed. Wellhead not relocated.

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 6:00 PM.
 - o CEC fused caps to 2-IN, 4-IN, 6-IN, and 8-IN risers and cleanouts.
 - CEC installed the remote well connection for GW-33 and GW-36. CEC connected the previously install 6-IN
 HDPE pipe to the GW-33 or GW-36 PVC well casing using a HDPE to PVC transitions piece. CEC left the
 wellhead on the top of PVC well casing. CEC backfilled the excavated portion with clean soil using the Volvo
 EC200EL Excavator.
 - CEC conducted a pressure test the 6-IN HDPE gas lateral to GW-35 to convert into a remote well. The
 pressure test started at 4:39 PM at 10 psi. The pressure test ended at 5:39 PM at 10 psi. In total, 160 LF of
 6-IN HDPE was tested.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• HDR reported to CEC that the excavator damaged a section of the installed 6-IN HDPE piping for remote wellhead GW-33. CEC replaced the damaged section with 6-IN HDPE piping.

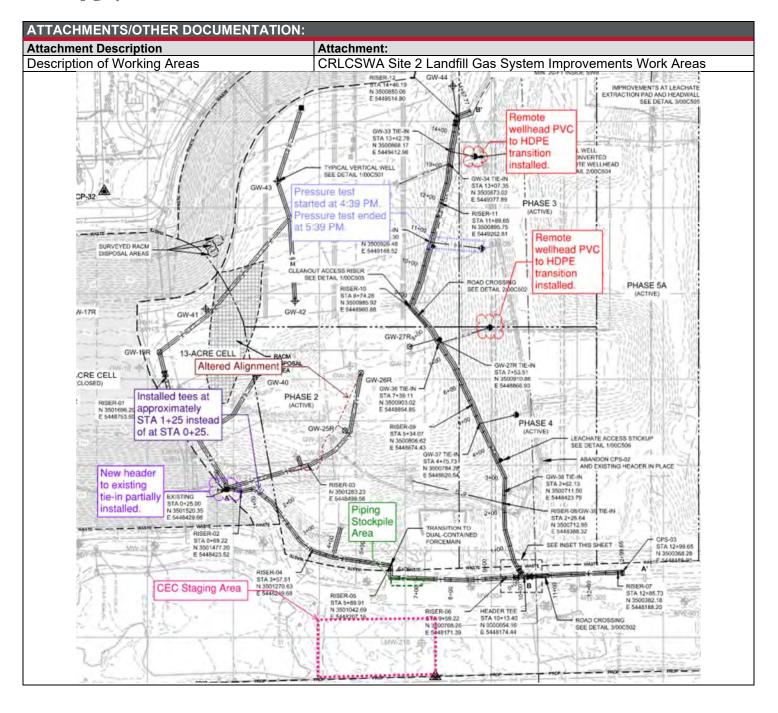
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 10:00 AM to 6:00 PM.





PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/25/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC	•	
HDR Project No.	10383401	Owner Project No.	N/A	PINCE CO.	
		AS/25/2024-12/05			
Damage on the	6-IN HDPE gas lateral to GW-33, facing west.	CEC installing the P\	/C to HDPE transi	tion at GV	V-33, facing wes
05/25/2024 14:18		05/25/2024 ts:49	DVC to LIDRE!		CW 20 facility
CEC fusing c	aps to installed HDPE piping, facing west.	CEC installing the	PVC to HDPE tra northwest.	insition at	GW-36, facing
05/25/2024 16:43		05/25/2024 17:39	10 mm		
Excavator backfillin	ng the excavation for remote well conversion on GW-36, facing west.	Pressure test end	at 10 psi for 6-IN southwest.		s lateral, facing



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:							
Report Date: 5/27/2024				Report No.: 61			
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 123		
Contract Time to Substantial Complete: (Calendar Days):		145	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024		10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 27, 2024

	High	Low	Average		High	Low	Average
Temperature	76.5 °F	52.7 °F	61.2 °F	Wind Speed	30.9 mph	0.0 mph	5.0 mph
Dew Point	62.1 °F	49.5 °F	53.9 °F	Wind Gust	36.5 mph	8	6.7 mph
Humidity	92 %	53 %	78 %	Wind Direction	4		NNW
Precipitation	0.11 in		-	Pressure	30.05 in	29.78 in	24

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-27/2024-05-27/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:					
Contractor Employee Subcontractor Employee						
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
8	CEC	~12				

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
2 x Volvo A25G Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					
McElroy TracStar Fusion Machine	CEC					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-8	Remote Well Tie-in	N/A	GW-35 and GW-37: PVC to HDPE Transition Piece installed. Wellhead not relocated.

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC fused caps to 2-IN, 4-IN, 6-IN, and 8-IN risers and cleanouts.
 - CEC installed the remote well connection for GW-35 and GW-37. CEC connected the previously install 6-IN
 HDPE pipe to the GW-35 or GW-37 PVC well casing using a HDPE to PVC transitions piece. CEC left the
 wellhead on the top of PVC well casing. CEC backfilled the excavated portion with clean soil using the Volvo
 EC200EL Excavator.
 - o CEC extended the 2-IN and 4-IN by 8-IN riser at CPS-03 approximately 3-FT.
 - o CEC found a leak at the south 12-IN butterfly valve. CEC excavated to the valve with the Volvo EC200EL Excavator and found a loose gasket. CEC adjusted the gasket and tightened the valve back down.
 - CEC conducted a pressure test the 4-IN HDPE (including the 4-IN within the 4-IN by 8-IN dual contained HDPE) condensate that has been installed to date. The pressure test started at 3:58 PM at 13 psi. The pressure test ended at 4:58 PM at 13 psi. In total, 3,455 LF of 4-IN HDPE was tested.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

• CEC reported to HDR that the south 12-IN butterfly valve was leaking. CEC excavated to the valve with the Volvo EC200EL Excavator and found a loose gasket. CEC adjusted the gasket and tightened the valve back down.

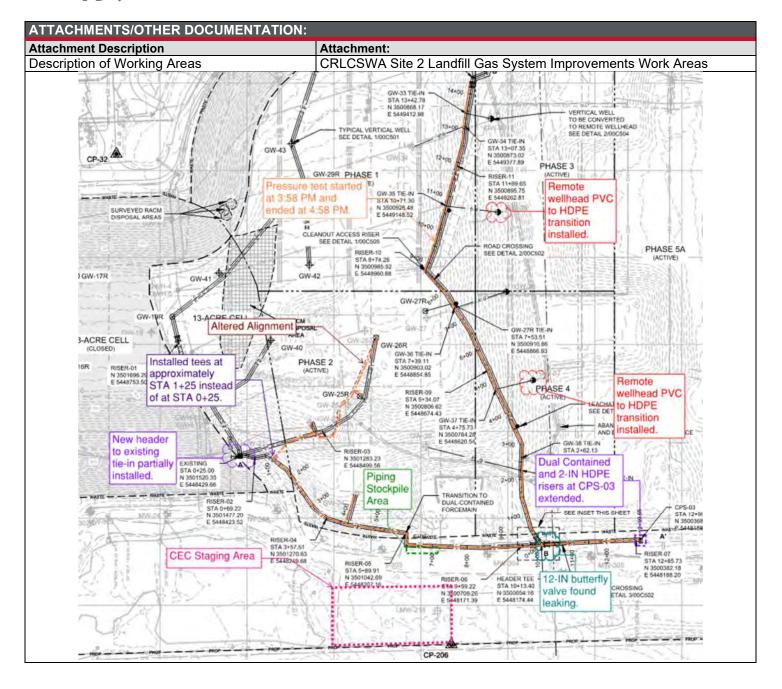
GENERAL OBSERVATIONS AND REMARKS

Precipitation was sporadic past 4:00 PM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 6:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/27/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
OS JE Veneze Duran		03/27/2021 01/11			
Installation of the F	PVC to HDPE transition at GW-35, facing west.	Installation of PVC to	HDPE transition a	at GW-36,	facing northeast.
05/22/2024 (0.51		05 /a/ 53.2 1			
CEC exte	ending risers at CPS-03, facing south.	South 12-IN bu	utterfly valve leakir	ng, facing	northwest.
		05/27/2024 18:58	20 62 30 50 50 50 50 50 50 50 50 50 50 50 50 50		
CEC fixing 12	2-IN butterfly valve leak, facing northwest.	End of press	ure test for 4-IN H	DPE, faci	ng south.
				-	=



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:							
Report Date: 5/28/2024				Report No.: 62			
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 124		
Contract Time to Substantial Complete: (Calendar Days):		144	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary May 28, 2024

	High	Low	Average		High	Low	Average
Temperature	71.8 °F	50.9 °F	60.6 °F	Wind Speed	26.4 mph	0.0 mph	4.7 mph
Dew Point	58.5 °F	48.0 °F	52.6 °F	Wind Gust	35.3 mph		6.6 mph
Humidity	92 %	49 %	77 %	Wind Direction	(44)	-	SSE
Precipitation	0.06 in			Pressure	30.25 in	30.02 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-28/2024-05-28/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No.	No. Craft Hours on Site No. Craft				Hours on Site
8	CEC	~11			

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 6:00 PM.
 - o CEC tighten down flanges on 2-IN, 4-IN, 6-IN, and 8-IN risers and cleanouts.
 - CEC excavated to the north and east gas isolation valves at the 10-IN HDPE gas header and 12-IN HDPE gas header junction with the Volvo EC200EL Excavator. CEC found no leaks at the butterfly valves. CEC damaged a portion of 4-IN by 8-IN dual contained HDPE condensate during excavation. CEC replaced the damaged portion of dual contained piping and backfilled the area with the Volvo EC200EL Excavator.
 - CEC attached collars to the removed corrugated plastic culvert. CEC backfilled over the culvert with the Volvo EC200EL Excavator.
 - CEC conducted a pressure test the 12-IN/10-IN/6-IN HDPE gas lateral/header that has been installed to date.
 The pressure test started at 12:03 PM at 10 psi. The pressure test ended at 1:51 PM at 10 psi. In total, 3,455 LF of 4-IN HDPE was tested.
 - CEC conducted a pressure test the 2-IN HDPE air supply that has been installed to date. The pressure test started at 2:23 PM at 10 psi. The pressure test ended at 3:23 PM at 10 psi. In total, 920 LF 6-IN HDPE, 1425 LF of 10-IN HDPE, and 1255 LF of 12-IN HDPE was tested.
 - CEC conducted a pressure test the 4-IN HDPE (including the 4-IN within the 4-IN by 8-IN dual contained HDPE) condensate due to the repairs made on the 4-IN by 8-IN condensate. The pressure test started at 2:10 PM at 13 psi. The pressure test ended at 3:10 PM at 11 psi. In total, 3,455 LF of 4-IN HDPE was tested.
 - o CEC removed the approximately 1-FT of soil from around GW-25R, GW-26R, and GW-27R with the Volvo EC200EL Excavator. CEC installed the well boot around the gas well with stainless-steel clamps and backfilled slightly before placing the well grate over the wellhead. CEC backfilled to ground level with the Volvo EC200El Excavator. CEC placed a new wellhead assembly over GW-27R.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

- CEC reported to HDR that the stainless-steel fittings on CPS-03 were loose and required tightening. CEC removed and reinstalled the stainless-steel fittings.
- CEC reported to HDR that a piece of 4-IN by 8-IN dual contained HDPE was struck by the excavator and required repairs. CEC cut out the damaged portion of the dual contained HDPE and replaced it.

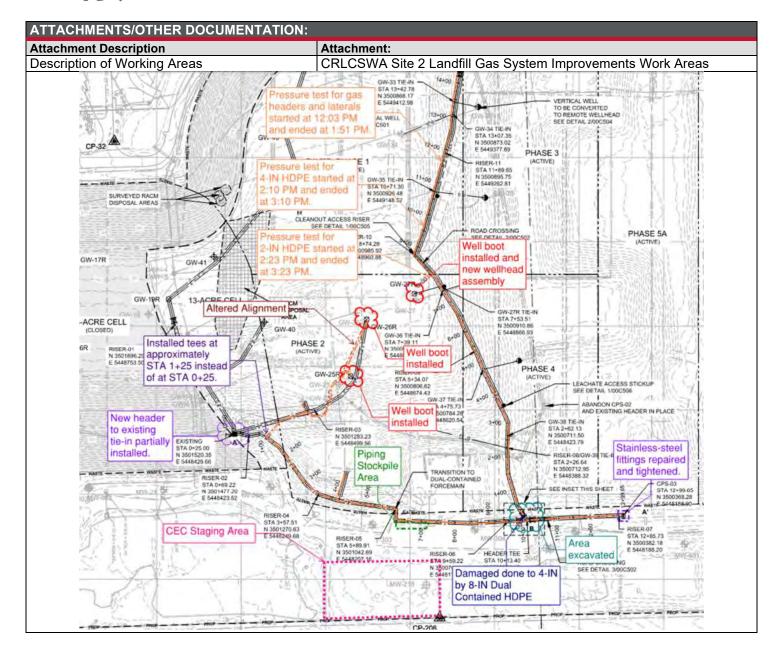
GENERAL OBSERVATIONS AND REMARKS

• Precipitation was sporadic from 11:45 PM to 12:30 PM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 5:00 PM.





FDS					
PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/28/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
05/28/2024 07-44		05/22/2024 II-33			
CEC repairing exis	sting corrugated plastic culvert, facing northeast		aged section of 4-IN HDPE, facing north		l dual contained
05/28/2024 11:26		05/28/2024 13:51	35		
CEC repairing stai	nless-steel fittings on CPS-03, facing southeast	End of pressure tes	st for gas headers ar	nd latera	ls, facing south.



End of pressure test for 4-IN HDPE, facing south.



End of pressure test for 2-IN HDPE, facing south.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	5/29/2024			Report No.: 63			
Created By:	Mike Walsh			Total Count to	Date: (Calenc	lar Days):	125
Contract Time to Substantial Complete: (Calendar Days): 143			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary May 29, 2024

	High	Low	Average		High	Low	Average
Temperature	76.1 °F	46.6 °F	61.1 °F	Wind Speed	15.2 mph	0.0 mph	2.2 mph
Dew Point	54.9 °F	45.0 °F	50.5 °F	Wind Gust	18.3 mph	-	2.9 mph
Humidity	95 %	42 %	71 %	Wind Direction	+		NNE
Precipitation	0.00 in	+	+	Pressure	30.36 in	30.24 in	-

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-29/2024-05-29/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~12			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-18	Tie-in	N/A	Tie-in to the north tie-in location completed.

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC removed the existing valve with a variety of hand tools at the tie-in in the southwest corner of the 13-acre cell. CEC connected the installed 12-IN gas header system with a reducer and flange to the existing 10-IN gas header system's flange. CEC backfilled the area with clean soil from CRLCSWA's south soil stockpiles brought by a Volvo A25G Off-Road Truck. CEC filled the excavation with the Volvo EC200EL Excavator.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

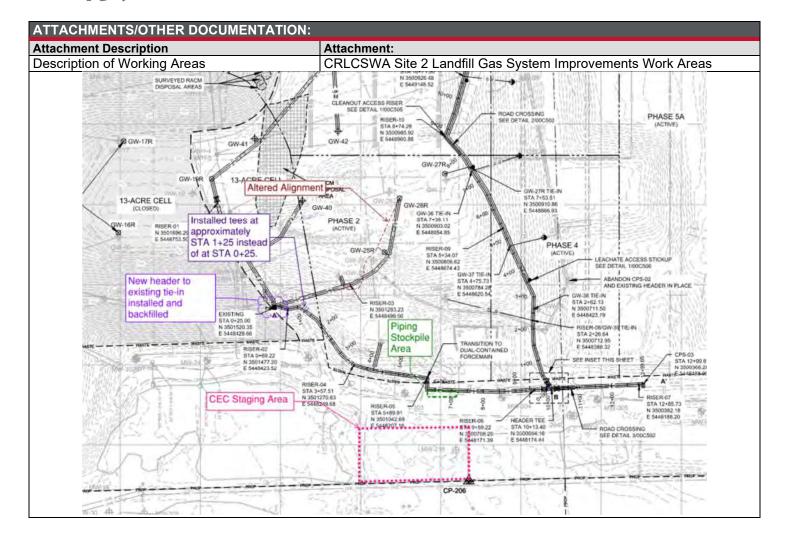
GENERAL OBSERVATIONS AND REMARKS

- HDR contacted CRLCSWA for a flare shutdown this morning. HDR contacted CRLCSWA once the tie-in was completed to turn back on the flare.
- CRLCSWA reported to HDR and CEC that a stormwater diversion berm should be installed to maintain adequate stormwater conditions south of the tie-in on the southwest corner of the 13-acre cell.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 8:00 AM to 5:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/29/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC	Duy.	, ,
HDR Project No.	10383401	Owner Project No.	N/A		
05/29/2024 08:33		0.5/2-07-2-02-17			
CEC rem	noving the existing valve, facing west.	CEC fitting the exist recently	ing 10-IN HDPE he y installed header,		
0.70.04.4		05/29/2024 (IS FB	VOLVO		
CEC faster	ning the bolts to the flange, facing west.	Excavator back	filling the excavation	n area, f	acing north.
05/23/202-15/21		05/29/2024 15:51			
Off-Road Truck pla	acing clean soil at the excavation, facing south.	Excavator back	filling the excavation	on area,	facing east.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DA	TA:					
Report Date:	5/30/2024		Report No.:	64		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	126
Contract Time to Subs	stantial Complete: (Calendar Days):	142	Notice to Proc	eed Date:		1/25/2024
Substantial Completic	on Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary May 30, 2024

	High	Low	Average		High	Low	Average
Temperature	75.2 °F	52.0 °F	64.0 °F	Wind Speed	16.3 mph	0.0 mph	3.8 mph
Dew Point	54.0 °F	45.9 °F	49.4 °F	Wind Gust	19.5 mph	-	5.2 mph
Humidity	89 %	38 %	62 %	Wind Direction	-	, etc.	SE
Precipitation	0.00 in			Pressure	30.34 in	30.20 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-05-30/2024-05-30/daily) \ Marion, \ IA.$

CONSTRU	ICTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
6	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC backfilled portions of previously excavated areas that were insufficient in backfill. CEC haul clean soil
 from CRLCSWA's south soil stockpiles to the areas with the Volvo A25G Off-Road Truck. CEC graded and
 placed the soil with the Volvo EC200EL Excavator.
 - CEC moved longer runs of HDPE piping to the south access road south of Phase 5B with the Bobcat T770
 Skid Steer
 - o CEC cleaned sections of cut HDPE piping throughout the jobsite and placed it in their piping stockpile area.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

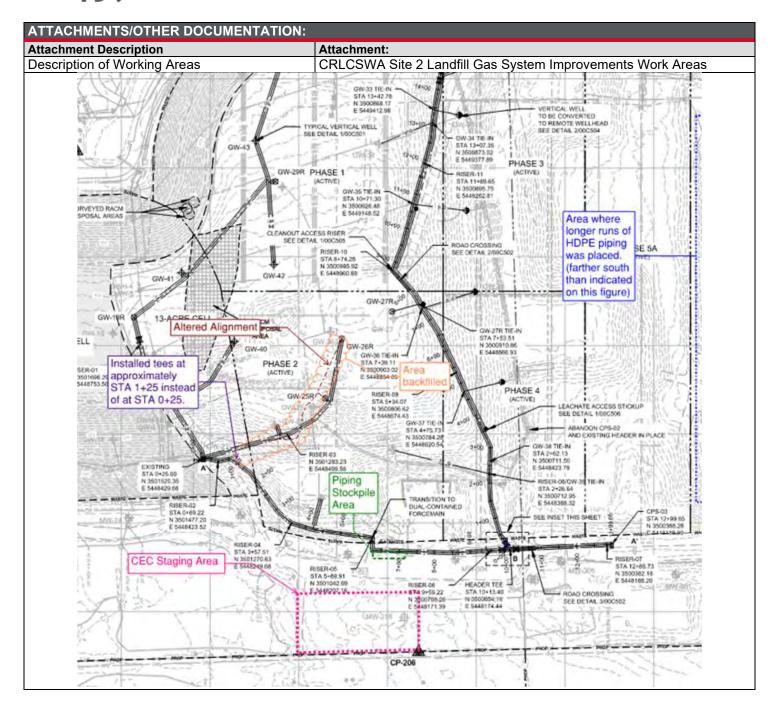
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 8:30 AM to 3:00 PM.





PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	5/30/2024	Day:	Thursday
Project Owner: CRLCSWA		Contractor:	CEC		
HDR Project No. 10383401		Owner Project No.	N/A		



Excavator backfilling portions of previously excavated areas, facing east.



Excavator backfilling portions of previously excavated areas, facing east.



Longer HDPE piping runs on the south access road, facing northeast.



Off-Road Truck bringing clean soil to previously excavated areas, facing northeast.



Excavator backfilling portions of previously excavated areas, facing northwest.



Off-Road Truck bringing clean soil to previously excavated areas, facing northeast.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ГА:						
Report Date:	6/10/2024			Report No.:	65		
Created By:	Mike Walsh	า		Total Count to	Date: (Calence	lar Days):	137
Contract Time to Subs	tantial Com	olete: (Calendar Days):	130	Notice to Proc	eed Date:		1/25/2024
Substantial Completio	n Date:	10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary June 10, 2024

	High	Low	Average		High	Low	Average
Temperature	75.4 °F	53.1 °F	62.8 °F	Wind Speed	17.2 mph	0.0 mph	4.2 mph
Dew Point	52.7 °F	39.2 °F	46.6 °F	Wind Gust	20.6 mph	-	5.5 mph
Humidity	87 %	30 %	59 %	Wind Direction	-	-	NNE
Precipitation	0.00 in	-		Pressure	30.18 in	30.07 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-10/2024-06-10/daily) \ Marion, \ IA.$

CONSTR	UCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
6	CEC	~10			

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:			
Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 5:00 PM.
 - CEC fused varying runs of 6-IN HDPE and 4-IN HDPE piping on the south side of Phase 5B and CEC's piping stockpile.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

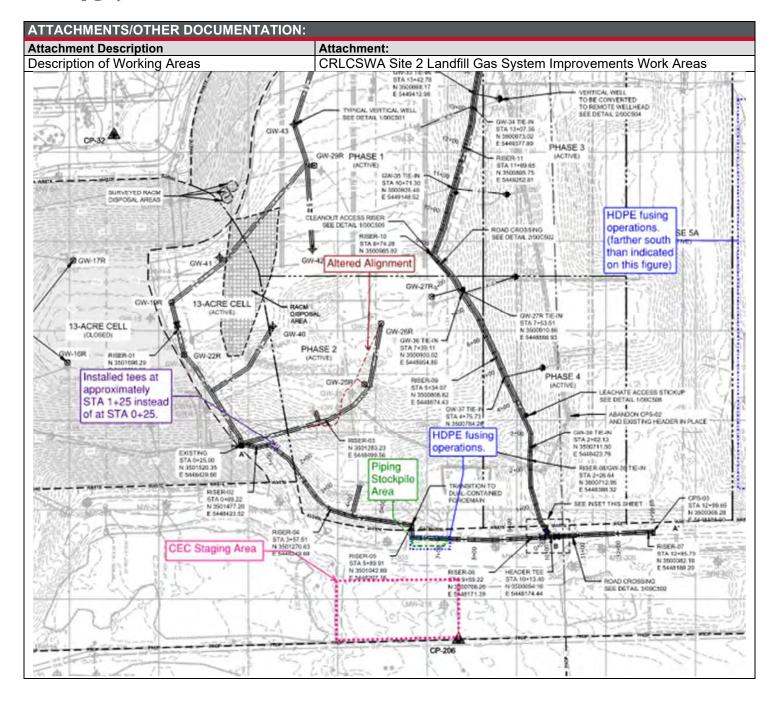
GENERAL OBSERVATIONS AND REMARKS

 HDR notified CRLCSWA that the condensate forcemain would be shut off in the afternoon pending CEC's excavation eastward from the 12-IN HDPE gas header tie-in.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 1:00 PM to 5:00 PM.



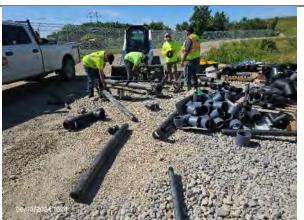




Project Name:	Landfill Gas System Improvements	Date:	6/10/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC	•	•
HDR Project No.	10383401	Owner Project No.	N/A		
05/10/2024 13 01 HDPE	fusion operations, facing northeast.	06/10/302-13/06 HDPE	fusion operations,	facing ea	st.



HDPE fusion operations, facing west.



HDPE fusion operations, facing north.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	6/11/2024			Report No.:	66		
Created By:	Mike Walsh			Total Count to	Date: (Calenc	lar Days):	138
Contract Time to Substantial Complete: (Calendar Days):		129	Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary June 11, 2024

	High	Low	Average		High	Low	Average
Temperature	84.2 °F	46.4 °F	67.5 °F	Wind Speed	18.3 mph	0.0 mph	4.2 mph
Dew Point	64.8 °F	43.7 °F	54.6 °F	Wind Gust	21.7 mph	7	5.4 mph
Humidity	91 %	46 %	65 %	Wind Direction		-	ssw
Precipitation	0.00 in	-	4	Pressure	30.13 in	29.94 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-11/2024-06-11/daily) \ Marion, \ IA.$

CONSTR	JCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:						
	Item	Description	Installed QTY	Remarks		
	Bid Item-12	6-IN HDPE Gas Lateral	395	Eastward from 12-IN HDPE header tie-in		
	Bid Item-13	4-IN HDPE Condensate	395	Eastward from 12-IN HDPE header tie-in		
	Bid Item-15	2-IN HDPE Air Supply	395	Eastward from 12-IN HDPE header tie-in		

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system eastward from the 12-IN HDPE gas header tie-in a total of 395 LF.
 CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC installed Riser-01 and partially installed the isolation valves next to Riser-01.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

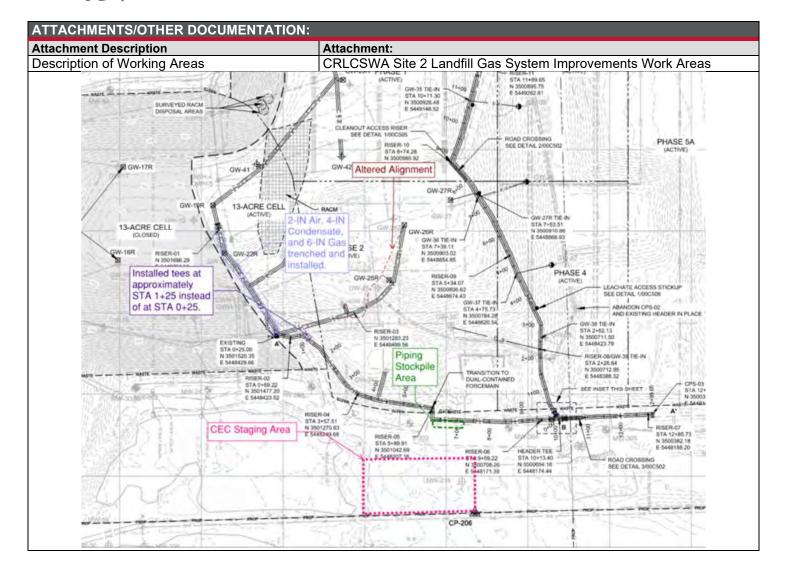
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 1:00 PM to 6:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/11/2024	Day:	Tuesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
15/H/a(12) (6		.06/11/2024 12:47			
	condensate line east of the 12-IN HDPE gas er system tie-in, facing southeast.	Excavator trenc	hing for gas latera	al system,	facing east.
06/11/2024 14:59		06/11/2624 16:54			
Excavator placi	ng HDPE piping into the trench, facing east.	CEC fusing HDP	E piping in the tre	nch, facin	g southwest.
06/11/2024 16:57	3	06/11/2024 17:31			
Excavator backfi	lling trench with clean soil, facing southwest.	CEC fusing H	DPE piping in the	trench, fa	cing west.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DAT	ΓA:					
Report Date:	6/12/2024		Report No.:	67		
Created By:	Mike Walsh		Total Count to	Date: (Calend	lar Days):	139
Contract Time to Subs	tantial Complete: (Calendar Days):	128	Notice to Proc	eed Date:		1/25/2024
Substantial Completion	n Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4

Summary June 12, 2024

	High	Low	Average		High	Low	Average
Temperature	91.9 °F	55.2 °F	77.1 °F	Wind Speed	19.9 mph	0.0 mph	4.2 mph
Dew Point	69.4 °F	53.1 °F	61.9 °F	Wind Gust	26.2 mph	+	5.4 mph
Humidity	93 %	35 %	62 %	Wind Direction		-	ssw
Precipitation	0.00 in		42	Pressure	30.03 in	29.89 in	44

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-12/2024-06-12/daily) \ Marion, \ IA.$

CONSTRU	JCTION WORK FORCE:				
Contractor	Employee		Subcontrac	tor Employee	
No.	Craft	Hours on Site	No.	Craft	Hours on Site
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-12	6-IN HDPE Gas Lateral	270	East/South Bound from Previous Day
Bid Item-13	4-IN HDPE Condensate	270	East/South Bound from Previous Day
Bid Item-15	2-IN HDPE Air Supply	270	East/South Bound from Previous Day

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system eastward then southward from the work completed on 6/12/2024 for a total of 270 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC installed the rest of the isolation valves next to Riser-01. CEC did not install the valve stem riser or the stem casing.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

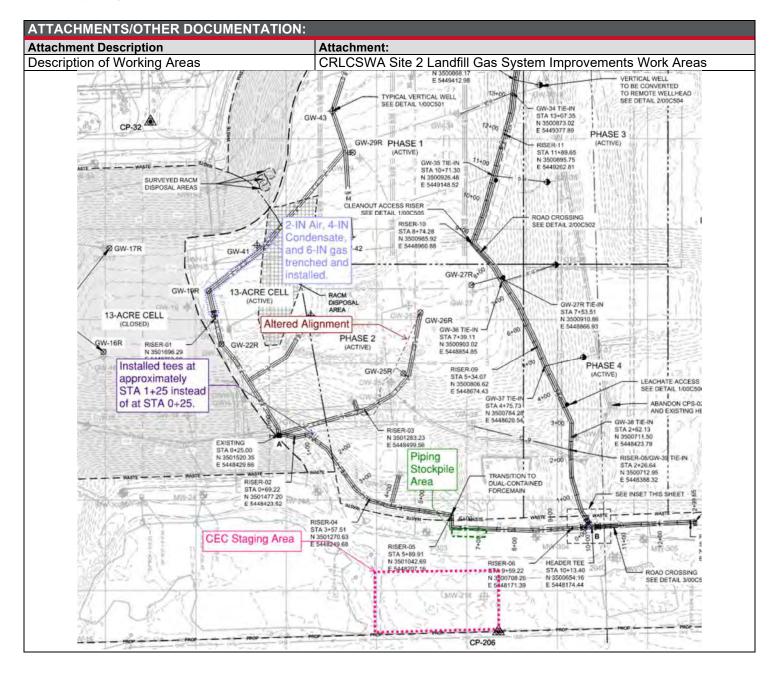
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Mike Walsh) was on-site from 12:30 PM to 5:00 PM.







PHOTOGRAPH	IC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/12/2024	Day: Wednesday	
Project Owner: CRLCSWA		Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		



Excavator excavating the trench for the HDPE piping, facing south.



Skid Steer bringing HDPE piping to the trench, facing southeast.



CEC bolting up the 6-IN butterfly valve, facing northeast.



CEC fusing HDPE piping in the trench, facing northeast.



CEC installing tees to GW-41, facing northeast.



Excavator backfilling the trench and CEC placing warning tape, facing north.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DAT	ГА:						
Report Date:	6/13/2024			Report No.:	68		
Created By:	Mike Walsh	Mike Walsh			Total Count to Date: (Calendar Days): 140		
Contract Time to Subs	tantial Com	olete: (Calendar Days):	127	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary June 13, 2024

	High	Low	Average		High	Low	Average
Temperature	89.6 °F	65.7 °F	79.3 °F	Wind Speed	27.1 mph	0.0 mph	5.7 mph
Dew Point	73.2 °F	54.1 °F	64.1 °F	Wind Gust	33.1 mph	-	7.2 mph
Humidity	85 %	31 %	62 %	Wind Direction		**	sw
Precipitation	0.00 in	+	2	Pressure	30.06 in	29.86 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-13/2024-06-13/daily) Marion, IA.

CONSTRUCTION WORK FORCE:					
Contractor Employee Subcontractor Employee					
No. Craft Hours on Site			No.	Craft	Hours on Site
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:				
Item	Description	Installed QTY	Remarks	
Bid Item-12	6-IN HDPE Gas Lateral	325		South Bound from Previous Day
Bid Item-13	4-IN HDPE Condensate	325		South Bound from Previous Day
Bid Item-15	2-IN HDPE Air Supply	325		South Bound from Previous Day

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system southward from the work completed on 6/12/2024 for a total of 325 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC installed the valve stem riser on the 6-IN butterfly valve.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

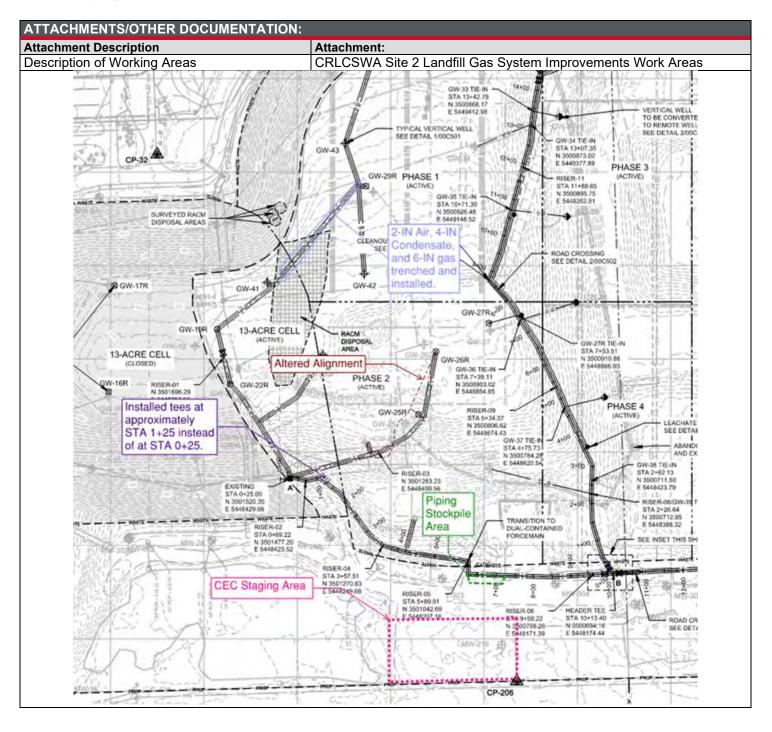
GENERAL OBSERVATIONS AND REMARKS

The biweekly progress meeting was held today at 9:00 AM.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Mike Walsh) was on-site from 9:00 AM to 5:00 PM.





PHOTOGRAPHIC LOG						
Project Name:	Landfill Gas System Improvements	Date:	6/13/2024	Day: Thursday		
Project Owner:	CRLCSWA	Contractor:	CEC			
HDR Project No.	10383401	Owner Project No.	N/A			
		ALC: NO PERSON NAMED IN COLUMN 1		A STATE OF THE PARTY OF THE PAR		



Excavator excavating the trench for HDPE piping, facing southeast.



Excavator excavating the trench for HDPE piping, facing southeast.



CEC fusing HDPE piping, facing east.



CEC installing the valve steam riser on the 6-IN butterfly valve, facing north.



Skid Steer backfilling the trench, facing southeast.



Off-Road Truck depositing soil at the trench, facing southeast.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	6/14/2024			Report No.:	69		
Created By:	Jason Reid	Jason Reichart			Total Count to Date: (Calendar Days): 141		
Contract Time to Substantial Complete: (Calendar Days): 126			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary June 14, 2024

	High	Low	Average		High	Low	Average
Temperature	86.4 °F	55.4 °F	72.6 °F	Wind Speed	19.7 mph	0.0 mph	4.3 mph
Dew Point	61.5 °F	47.7 °F	56.1 °F	Wind Gust	25.1 mph	4	5.7 mph
Humidity	94 %	31 %	60 %	Wind	_	-	North
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.18 in	30.05 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-13/2024-06-14/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee Subcontractor Employee					
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~12			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:				
Item	Description	Installed QTY	Remarks	
Bid Item-12	6-IN HDPE Gas Lateral	245		West Bound from Previous Day
Bid Item-13	4-IN HDPE Condensate	245		West Bound from Previous Day
Bid Item-15	2-IN HDPE Air Supply	245		West Bound from Previous Day

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system westward from the work completed on 6/13/2024 to GW-42 for a total of 245 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT. CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

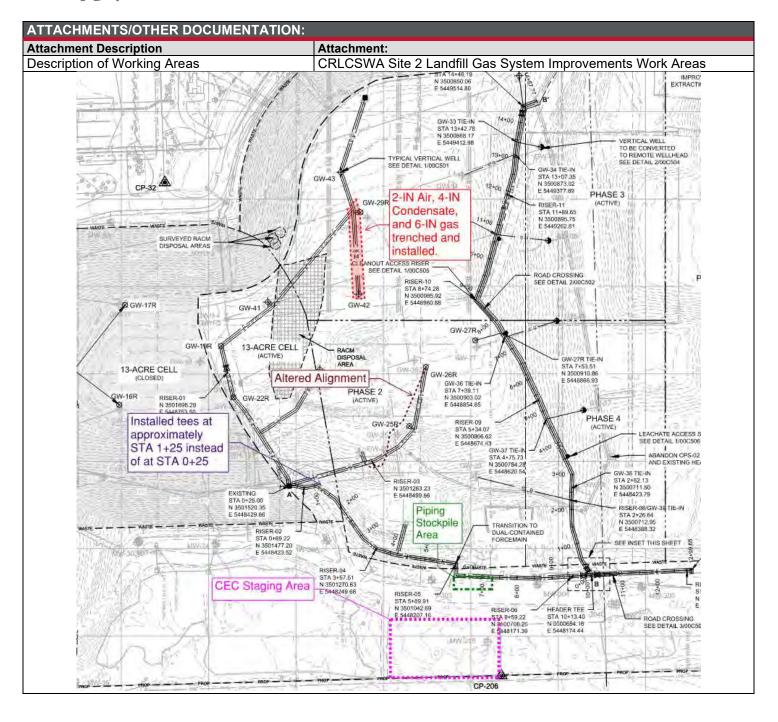
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site from 3:00 PM to 6:00 PM.







PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/14/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC	1	
HDR Project No.	10383401	Owner Project No.	N/A		
CEC fus	sing tees facing west towards GW-42	Off-Road Truck depo	ositing soil at the p northwest.	revious da	ays trench, facing
T	oday's excavation, facing east.	Toda	ay's trench with wa	arning tape) .
	ers at GW-42 and excavator backfilling trench,				
c_cc.amg not	facing northeast.				



SCONSTRUCTION DAILY REPORT							
HDR#	10383401 PROJECT: Landfill Gas System Improvements						
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:								
Report Date:	6/15/2024	6/15/2024			Report No.: 70			
Created By:	Jason Reid	Jason Reichart			Total Count to Date: (Calendar Days): 142			
Contract Time to Substantial Complete: (Calendar Days):			125	Notice to Proceed Date:		1/25/2024		
Substantial Completion Date: 10/18/2024		10/18/2024		Final Complet	ion Date:	10/31/202	4	

Summary June 15, 2024

	High	Low	Average		High	Low	Average
Temperature	82.6 °F	61.9 °F	72.7 °F	Wind Speed	17.9 mph	0.0 mph	4.4 mph
Dew Point	63.3 °F	51.8 °F	58.3 °F	Wind Gust	25.1 mph	-	6.0 mph
Humidity	82 %	43 %	61 %	Wind Direction	-	-	SSE
Precipitation	0.00 in						
				Pressure	30.22 in	29.96 in	-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-13/2024-06-15/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:							
Contractor Employee			Subcontractor Employee				
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
8	CEC	~12					

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:				
Item	Description	Installed QTY	Remarks	
Bid Item-12	6-IN HDPE Gas Lateral	330		East Bound from Previous Day
Bid Item-13	4-IN HDPE Condensate	330		East Bound from Previous Day
Bid Item-15	2-IN HDPE Air Supply	0		East Bound from Previous Day

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system eastward from the work completed on 6/14/2024 to the lateral tine-in location east of GW-43 for a total of 330 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC set the 6-IN HDPE gas lateral and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT.
 - o CEC ran out of the 2-IN HDPE air line and left today's trench open until they get more material next week.
 - CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the 6/14/2024 trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

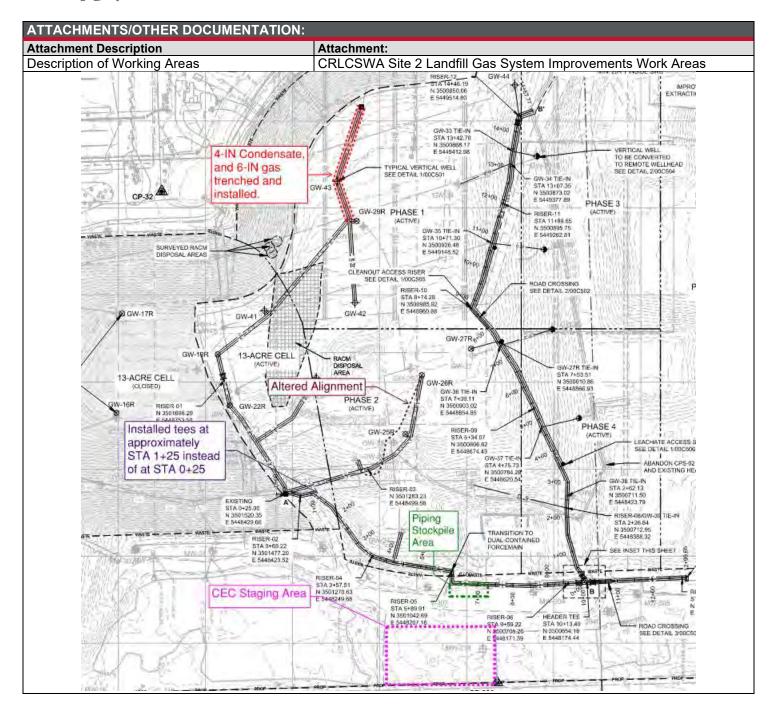
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Jason Reichart) was on-site from 1:00 PM to 4:00 PM.







Project Name:	Landfill Gas System Improvements	Date:	6/15/2024	Day:	Saturday
roject Owner:	CRLCSWA	Contractor:	CEC	,	· · ·
DR Project No.	10383401	Owner Project No.	N/A		
Today's e	excavation facing west towards GW-43	Today's exc	avation facing eas	t towards	GW-43.
(CEC welding risers at GW-43.	Yesterday's trench	backfilled with sto toward GW-42		oil, looking ea



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:							
Report Date:	6/17/2024	Report No.: 71					
Created By:	Jason Reichart	Jason Reichart			Total Count to Date: (Calendar Days): 144		
Contract Time to Substantial Complete: (Calendar Days): 12			Notice to Proceed Date:			1/25/2024	
Substantial Completion Date: 10/18/2024			Final Completion	n Date:	10/31/2024	4	

Summary June 17, 2024

	High	Low	Average		High	Low	Average
Temperature	91.4 °F	75.7 °F	83.9 °F	Wind Speed	20.4 mph	0.0 mph	7.4 mph
Dew Point	75.9 °F	69.4 °F	71.9 °F	Wind Gust	25.1 mph	-	9.5 mph
Humidity	84 %	51 %	68 %	Wind Direction	.2	2	ssw
Precipitation	0.00 in	-	**	Pressure	30.00 in	29.89 in	

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-13/2024-06-17/daily) Marion, IA.

CONSTR	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
8	CEC	~10			

VISITORS:			
Time	Name	Remarks	

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-5	Abandon Well in Cap Area	2	GW-16 and GW-17

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 8:00 AM and ended work around 6:00 PM.
 - CEC abandoned existing wells GW-16 and GW-17 in the cap area. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated clay to the side while the crew constructed the bentonite plug.
 - o CEC compacted 3, 6" inch lifts above the bentonite plug using the Volvo bucket to maneuver around the new risers.
 - o CEC completed the clay backfill to the existing liner elevation and plans to have a different crew help complete the liner repairs tomorrow.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

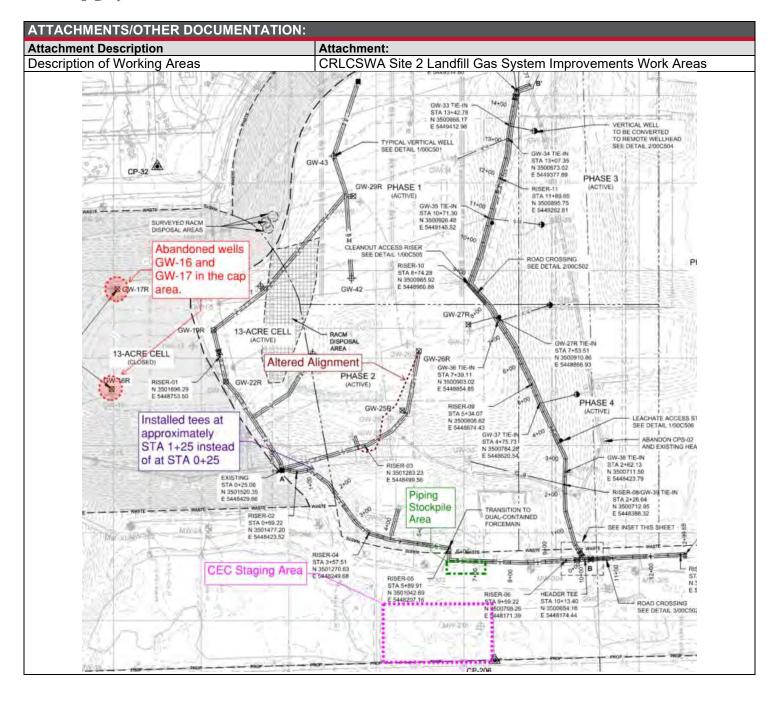
GENERAL OBSERVATIONS AND REMARKS

N/A

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site from 2:30 PM to 5:30 PM.





FDS					
PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/17/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		•
HDR Project No.	10383401	Owner Project No.	N/A		
CEC constructi	ng the bentonite plug over the GW-17R cap.	Terracon performing	g a density test on	the GW-	17R cap backfill.
CEC constructing	g the bentonite plug for the new GW-17R riser.	Terracon performing	g a density test on	the new (GW-17R backfill.



Bentonite plug for the new GW-16R riser and excavation of the GW-16R cap.



Terracon performing a density test on the GW-16R backfill.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:							
Report Date:	6/18/2024			Report No.:	72		
Created By:	Aaron Brewer			Total Count to	Date: (Calenc	lar Days):	145
Contract Time to Substantial Complete: (Calendar Days): 122			122	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024				Final Complet	ion Date:	10/31/202	4

Summary June 18, 2024

	High	Low	Average		High	Low	Average
Temperature	90.5 °F	73.8 °F	82.4 °F	Wind Speed	24.2 mph	1.8 mph	9.6 mph
Dew Point	75.9 °F	66.4 °F	72.4 °F	Wind Gust	28.6 mph	15	12.4 mph
Humidity	89 %	59 %	73 %	Wind		120	ssw
Precipitation	0.00 in	4	140	Direction			
				Pressure	30.14 in	29.92 in	**

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-18/2024-06-18/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:					
Contractor Employee			Subcontractor Employee			
No.	No. Craft Hours on Site		No.	Craft	Hours on Site	
10	CEC	~12				

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-5	Abandon Well in Cap Area	2	GW-16 and GW-17

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 6:30 PM.
 - CEC's liner crew division was onsite and preparing to repair GW-16R when HDR arrived. CEC believed the GCL was to be placed on top of the liner repair. HDR clarified it was to be placed below the liner repair. CEC then spent the remainder of the morning placing GCL, lystering the LLDPE liner patch to the existing cap and staging materials for the repair in the afternoon.
 - o After lunch CEC completed a trial weld with their extrusion welder. The trial weld met the minimum requirements in GRI GM19a and CEC proceeded with welding the geomembrane repair. After extrusion welding was complete, CEC performed the vacuum box for non-destructive testing of the geomembrane repair. CEC completed the repair and backfill of the erosion layer by 4:30 PM then moved to GW-17R to prepare for the repair. CEC placed the GCL under the two repair areas for GW-17R and lystered the geomembrane patches to the existing cap. CEC reported at 6:00 PM, the repair for GW-17R would be completed on 6/18/24.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Aaron Brewer) was on-site from 9:00 AM to 6:30 PM.



PHOTOGRAPHIC LOG					
Project Name:	Landfill Gas System Improvements	Date:	6/18/2024	Day: Tuesday	
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		



GCL placement for GW-16R liner repair, facing west.



LLDPE patch for GW-16R line repair, facing west.



Trial welds for extrusion weld testing.



Boot for gas extraction well with liner repair.



Completed extrusion weld for GW-16R repair, facing northwest.



CEC perform vacuum box non-destructive testing for the geomembrane repair.

PHOTOGRAPHIC LOG					
Project Name:	Landfill Gas System Improvements	Date:	6/18/2024	Day: Tuesday	
Project Owner:	CRLCSWA	Contractor:	CEC	·	
HDR Project No.	10383401	Owner Project No.	N/A		



Geotextile placed over the completed geomembrane repair for GW-16R prior to backfilling, facing northwest.



GCL placement for GW-16R, facing east.



GCL placement for the previous location of GW-16 and gas lateral pipe penetration, facing east.



CEC backfilling over the completed geomembrane and geotextile repair maintaining positive drainage for gas extraction lateral, facing south.



Geomembrane patch lystered to the existing cap for GW-16R, facing east.



Geomembrane patch lystered to the existing cap for GW-16R, facing east.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:							
Report Date:	6/19/2024			Report No.:	73		
Created By:	Aaron Brev	ver		Total Count to	Date: (Calenc	lar Days):	146
Contract Time to Substantial Complete: (Calendar Days): 121			Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary June 19, 2024

	High	Low	Average		High	Low	Average
Temperature	78.4 °F	67.3 °F	72.1 °F	Wind Speed	12.3 mph	0.0 mph	3.7 mph
Dew Point	71.2 °F	64.6 °F	67.6 °F	Wind Gust	15.9 mph	-	4.8 mph
Humidity	92 %	75 %	86 %	Wind	2	2	South
Precipitation	0.09 in	-		Direction			
				Pressure	30.38 in	30.14 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-19/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:				
Contractor Employee			Subcontractor Employee		
No.	Craft	Hours on Site	No.	Craft	Hours on Site
10	CEC	~5.5			

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Bid Item-5	Abandon Well in Cap Area	2	GW-16 and GW-17

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 12:30 PM.
 - o CEC's liner crew division was onsite and preparing to repair GW-17R. CEC completed a trial weld with their extrusion welder. The trial weld met the minimum requirements in GRI GM19a and CEC proceeded with welding the geomembrane repair. After extrusion welding was complete, CEC performed the vacuum box for non-destructive testing of the geomembrane repair. CEC completed the repair and backfill of the erosion layer by 11:30 AM.
 - o During the geomembrane repair, CEC completed tying in the 2" air line near GW-29R and backfilling.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Aaron Brewer) was on-site from 9:00 AM to 12:00 PM.

PHOTOGRAPI			6/40/2024	-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Project Name:	Landfill Gas System Improvements	Date:	6/19/2024	Day:	Wednesday
Project Owner: HDR Project No.	CRLCSWA 10383401	Contractor: Owner Project No.	CEC N/A		
also.					
CEC preparing to	o extrusion weld the geomembrane patches for GW-17R, facing northeast.	CEC performing t	the trial weld for expression production seam		elding prior to
CEC oxtrucion	welding the geomembrane patch for the gas		ane boot for the ga		



Extrusion welding by CEC for GW-17R, facing northeast.



Vacuum box non-destructive testing by CEC on the completed extrusion welds, facing northeast.

FJS					
PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/19/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Geotextile instal	lation by CEC with heat tacking by the lyster, facing southeast.	Geotex	tile install by CEC, f	acing no	orth.
OONO					

Backfilling the former GW-17 location and maintaining positive drainage for the gas extraction lateral for GW-17R, facing northeast.

CEC backfilling the GW-17R location, facing northeast.



Completed 2" HDPE piping connection near GW-29R, facing east.



10" gas system tie-in scheduled for 6/20/24, facing northwest.



SCONSTRUCTION DAILY REPORT				
HDR#	10383401	PROJECT:	Landfill Gas System Improvements	
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering	
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)	
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering	

DAILY REPORT DATA:						
Report Date:	6/20/2024	Report No.:	74			
Created By:	Jason Reichart	Jason Reichart		Date: (Calend	lar Days):	147
Contract Time to Substantial Complete: (Calendar Days):		120	Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4

Summary June 20, 2024

	High	Low	Average		High	Low	Average
Temperature	87.6 °F	66.7 °F	74.4 °F	Wind Speed	10.1 mph	0.0 mph	1.5 mph
Dew Point	76.8 °F	64.8 °F	69.9 °F	Wind Gust	11.4 mph	+	2.1 mph
Humidity	96 %	64 %	87 %	Wind Direction	-	-	ENE
Precipitation	0.48 in			Direction.			
				Pressure	30.41 in	30.30 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-20/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:						
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
0	CEC	0				

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:						
Equipment	Firm Operating	Description				
Komatsu PC210LC Excavator	CEC					
Bobcat T770 Skid Steer	CEC					
2 x Volvo A25G Off-Road Truck	CEC					
Volvo EC200EL Excavator	CEC					
McElroy TracStar Fusion Machine	CEC					



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

No work today due to rain

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR was not on-site today.



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:							
Report Date:	6/21/2024	Report No.:	76				
Created By:	Jason Reichart		Total Count to	Date: (Calendar Days): 148		148	
Contract Time to Substantial Complete: (Calendar Days):		119	Notice to Proc	eed Date:		1/25/2024	
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

ummary une 21, 202	4						
	High	Low	Average		High	Low	Average
Temperature	90.0 °F	69.1 °F	79.9 °F	Wind Speed	15.4 mph	0,0 mph	3.7 mph
Dew Point	76.5 °F	67.1 °F	71.7 °F	Wind Gust	21.7 mph	-	4.8 mph
Humidity	95 %	55 %	78 %	Wind		-	South
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.33 in	30.09 in	-

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-21/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:						
Contractor Employee			Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site	
8	CEC	~12				

VISITORS:		
Time	Name	Remarks

EQUIPMENT LIST:							
Equipment	Firm Operating	Description					
Komatsu PC210LC Excavator	CEC						
Bobcat T770 Skid Steer	CEC						
2 x Volvo A25G Off-Road Truck	CEC						
Volvo EC200EL Excavator	CEC						
McElroy TracStar Fusion Machine	CEC						



DAILY QUANTITIES:								
Item	Description	Installed QTY	Remarks					
Bid Item-12	6-IN HDPE Gas Lateral	260		From GW-40 northwest to main				
Bid Item-13	4-IN HDPE Condensate	260		From GW-40 northwest to main				
Bid Item-15	2-IN HDPE Air Supply	260		From GW-40 northwest to main				

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started to trench for the lateral system from GW-40 to the tine-in location southwest of GW-22R for a total of 260 LF. CEC excavated the trench with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - CEC set the 6-IN HDPE gas lateral, 2-IN HDPE air line, and 4-IN HDPE condensate line into the trench with the Volvo EC210EL Excavator. CEC placed pipes for future surveying approximately every 50-FT.
 - CEC brought clean soil from CRLCSWA soil stockpiles. with a Volvo A25G Off-Road Truck. CEC backfilled the 6/14/2024 trench with clean soil with the Volvo EC210EL Excavator and Bobcat T770 Skid Steer. CEC placed warning tape at approximately 1-FT below ground level.
 - o CEC also began pressure testing the lateral system after the GW-40 line was tied into the lateral system.
 - The 4-IN condensate line was tested and successfully passed the pressure test.
 - CEC's air compressor broke so the crew borrowed one from the landfill to pressurize the 6-IN and 2-IN lines.
 - The 6-IN line stabilized below 10 PSI and a leak was found in the 2-IN line so the crew plans to retest them tomorrow.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

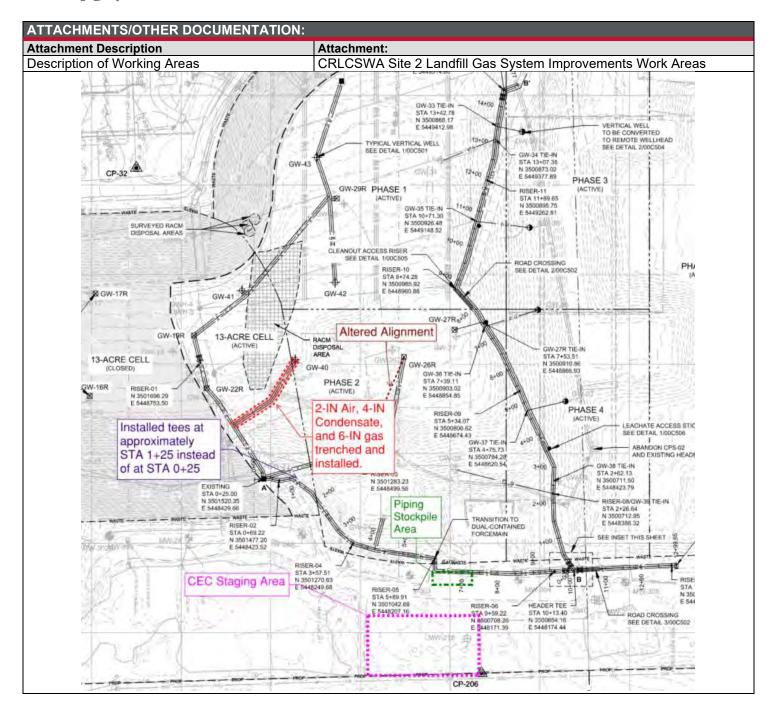
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 11:00 AM to 1:00 PM and 3:30 PM to 6:30 PM.







PHOTOGRAPHIC LOG								
Project Name:	Landfill Gas System Improvements	Date:	6/21/2024	Day:	Friday			
Project Owner:			Contractor: CEC					
HDR Project No. 10383401		Owner Project No.	N/A					
GW-40 lines looking southeast		GW-40 lines looking northwest						
			20 00 00 00 00 00 00 00 00 00 00 00 00 0					
Air gage at	t the beginning of the 4-IN pressure test	Air gage on the 4-IN after one (1) hour at pressure						



SCONSTRUCTION DAILY REPORT								
HDR#	10383401	PROJECT:	Landfill Gas System Improvements					
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering					
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)					
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering					

DAILY REPORT DATA:									
Report Date:	6/22/2024			Report No.:	77				
Created By:	Jason Reichart			Total Count to	Date: (Calence	lar Days):	148		
Contract Time to Substantial Complete: (Calendar Days):			118	Notice to Proc	eed Date:		1/25/2024		
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4			

Summary June 22, 2024

	High	Low	Average		High	Low	Average
Temperature	88.9 °F	70.9 °F	80.9 °F	Wind Speed	18.3 mph	0.0 mph	6.8 mph
Dew Point	77.4 °F	67.8 °F	72.9 °F	Wind Gust	23.9 mph	-	8.8 mph
Humidity	92 %	64 %	77 %	Wind	-	_	ssw
Precipitation	0.40 in	-	-	Direction			
				Pressure	30.11 in	29.79 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-22/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:								
Contractor Employee			Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site			
6	CEC	~12						

VISITORS:						
Time	Name	Remarks				

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		
•			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC began the day locating and repairing the 2-IN air line.
 - o CEC continued pressure testing the lateral system and pressurized the 6-IN gas and 2-IN air lines around 9:30 am and 10:30 am respectively.
 - o During the pressure testing, CEC began adjusting and capping risers, cutting over wellheads, and grading.
 - After the pressure tests passed, CEC connected the lateral system to the new collection system near STA A 0+00

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

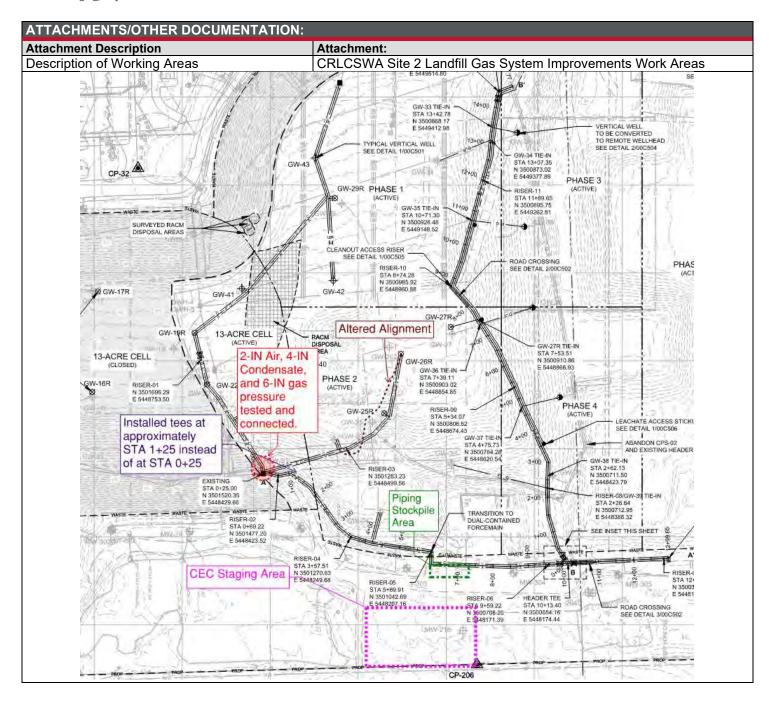
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 10:30 AM to 3:30 PM.







PHOTOGRAPH	IIC LOG		_		
Project Name:	Landfill Gas System Improvements	Date:	6/22/2024	Day:	Saturday
Project Owner:	CRLCSWA	Contractor:	CEC	y :	,
HDR Project No.	10383401	Owner Project No.	N/A		
ENG SALE					
Air gage a	the beginning of the 6-IN pressure test	Air gage at th	ne beginning of the	e 2-IN pres	ssure test
			001 isa 000 000 000 000 000 000 000 000 000 0		
Air gage o	n the 6-IN after one (1) hour at pressure	Air gage on t	he 2-IN after one ((1) hour at	pressure
CEC	crew adjusting and capping risers	CEC crew connecting	g the 6-IN gas, 4-I lines near STA A	N conden 0+00	sate, and 2-IN air



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:								
Report Date:	6/24/2024	Report No.:	78					
Created By:	Jason Reichart	Total Count to Date: (Calendar Days): 150			150			
Contract Time to Substantial Complete: (Calendar Days): 116			Notice to Proceed Date:			1/25/2024		
Substantial Completic	on Date: 10/18/2024		Final Completi	on Date:	10/31/202	4		

Summary June 24, 2024

	High	Low	Average		High	Low	Average
Temperature	88.5 °F	63.5 °F	78.0 °F	Wind Speed	17.9 mph	0.0 mph	4.8 mph
Dew Point	76.6 °F	61.5 °F	70.1 °F	Wind Gust	22.8 mph	*.	6.5 mph
Humidity	94 %	63 %	78 %	Wind Direction	-	-	South
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.07 in	29.84 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-24/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:								
Contractor Employee			Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site			
4	CEC	~12						

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC spent the day adjusting and capping risers, cutting over wellheads, and grading.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR (Jason Reichart) was on-site today from 10:30 AM to 3:30 PM.



PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/24/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
CEC crew a	abandoning well head with bentonite plug	CEC crew ab	andoning well hear	d with ben	tonite plua
CEC	crew adjusting and capping risers	CEC cl	rew adjusting and	capping ris	sers
CEC	crew adjusting and capping risers	CEC c	rew adjusting and	capping ris	sers



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date: 6/25/2024 Report No.: 79						
Created By:	Jason Reichart		Total Count to Date: (Calendar Days): 151			151
Contract Time to Substantial Complete: (Calendar Days): 115			Notice to Proc	eed Date:		1/25/2024
Substantial Completic		Final Completi	on Date:	10/31/202	4	

Summary June 25, 2024

	High	Low	Average		High	Low	Average
Temperature	97.2 °F	72.5 °F	84.1 °F	Wind Speed	15.2 mph	0.0 mph	4.6 mph
Dew Point	81.5 °F	66.4 °F	74.6 °F	Wind Gust	20.6 mph	-	6.0 mph
Humidity	85 %	56 %	73 %	Wind Direction	-	-	ssw
Precipitation	0.00 in	-	-	Direction			
				Pressure	30.01 in	29.76 in	-

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-25/daily) Marion, IA.

CONST	CONSTRUCTION WORK FORCE:						
Contractor Employee Subcontractor Employee							
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
6	CEC	~12					

VISITORS:					
Time	Name	Remarks			

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC spent the day excavating for the valve package and risers near STA B 14+50 with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC capped the existing lines and connected the new 10-IN gas, 4-IN condensate, 3-IN leachate, and 2-IN air lines.
 - o CEC installed 10-IN butterfly valve, 4-IN condensate valve, and 2-IN air valve

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

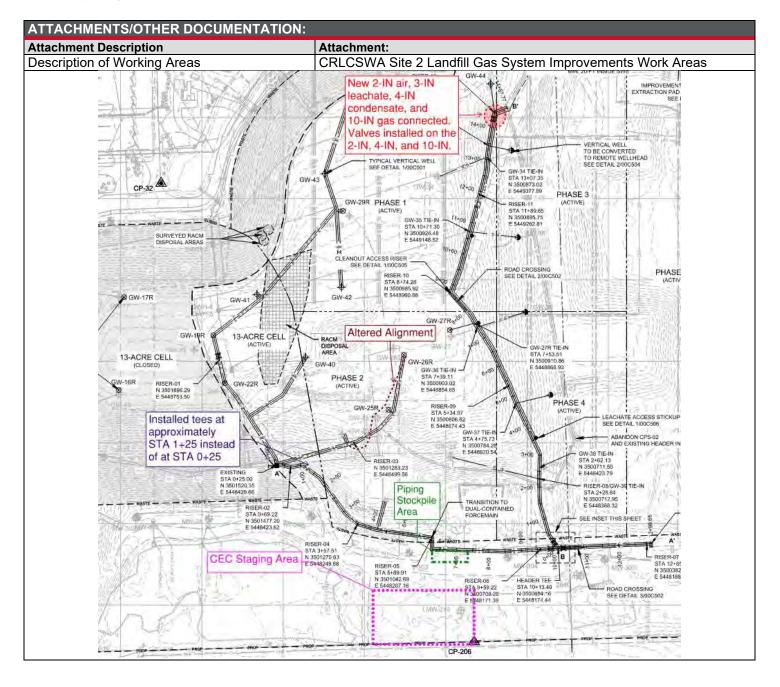
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 9:00 AM to 10:00 AM and 1:00 PM to 4:30 PM.







Project Name: Landfill Gas System Improvements Date: 6/25/2024 Day: Tuesday Project Owner: CRLCSWA Contractor: CEC CONTRACTOR NO. 10383401 CEC crew excavating connection point looking south CEC crew welding 10-IN pipe to make the gas connection CEC crew placing the new pipe in the trench CEC crew capping the existing 10-IN gas line CEC crew welding new pipe to the existing system CEC crew welding the 10-IN butterfly valve	PHOTOGRAPI	HIC LOG				
CEC crew excavating connection point looking south CEC crew welding 10-IN pipe to make the gas connection CEC crew placing the new pipe in the trench CEC crew capping the existing 10-IN gas line	Project Name:	Landfill Gas System Improvements	Date:	6/25/2024	Dav:	Tuesday
CEC crew excavating connection point looking south CEC crew velding 10-IN pipe to make the gas connection CEC crew placing the new pipe in the trench CEC crew capping the existing 10-IN gas line				CEC	- 3	-
CEC crew placing the new pipe in the trench CEC crew capping the existing 10-IN gas line	HDR Project No.	10383401	Owner Project No.	N/A		
CEC crew placing the new pipe in the trench CEC crew capping the existing 10-IN gas line						
	CEC crew e	excavating connection point looking south	CEC crew welding	ng 10-IN pipe to m	nake the ga	s connection
CEC crew welding new pipe to the existing system CEC crew installing the 10-IN butterfly valve	CEC cre	ew placing the new pipe in the trench	CEC crew	capping the exist	ing 10-IN g	as line
CEC crew welding new pipe to the existing system CEC crew installing the 10-IN butterfly valve						
	CEC crew	welding new pipe to the existing system	CEC crev	/ installing the 10-	IN butterfly	valve



SCONSTRUCTION DAILY REPORT						
HDR#	10383401	PROJECT:	Landfill Gas System Improvements			
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering			
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)			
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering			

DAILY REPORT DATA:								
Report Date:	6/26/2024		Report No.:	80				
Created By:	Jason Reichart	Total Count to Date: (Calendar Days): 152			152			
Contract Time to Subs	114	Notice to Proc	eed Date:		1/25/2024			
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4		

Summary June 26, 2024

	High	Low	Average		High	Low	Average
Temperature	88.7 °F	63.0 °F	76.0 °F	Wind Speed	19.9 mph	0.0 mph	4.6 mph
Dew Point	69.4 °F	55.2 °F	62.7 °F	Wind Gust	27.3 mph	-	6.0 mph
Humidity	93 %	34 %	67 %	Wind	_	-	NNE
Precipitation	0.00 in	-		Direction			
				Pressure	30.08 in	29.92 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-26/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:						
Contractor Employee		Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
6	CEC	~12					

VISITORS:						
Time	Name	Remarks				
10:00 AM – 12:00 PM	Katie Kinley					

EQUIPMENT LIST:		
Equipment	Firm Operating	Description
Komatsu PC210LC Excavator	CEC	
Bobcat T770 Skid Steer	CEC	
2 x Volvo A25G Off-Road Truck	CEC	
Volvo EC200EL Excavator	CEC	
McElroy TracStar Fusion Machine	CEC	



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started the day tying an existing 4-IN horizontal collector into the new 4-IN condensate line near STA A 0+00 at the request of the SWA.
 - CEC then spent the day excavating for the lateral line and risers for GW-44 with the Volvo EC210EL Excavator and placed the excavated waste into a Volvo A25G Off-Road Truck. CEC hauled the excavated waste to the working face.
 - o CEC also added a 4-IN condensate clean out and a 2-IN riser near the 10-IN gas riser at the B alignment connection point (STA B 14+87).

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

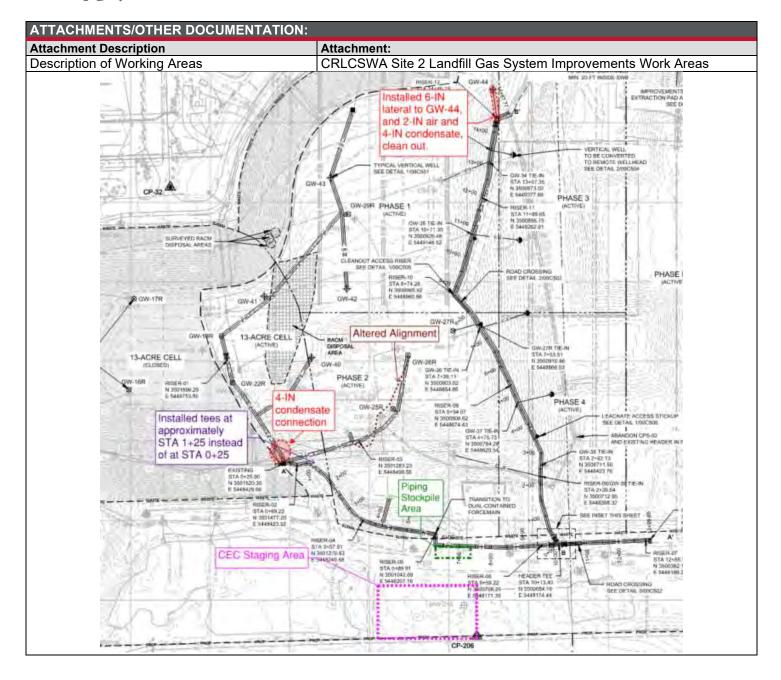
GENERAL OBSERVATIONS AND REMARKS

HDR staff walked the site with SWA staff to view progress and discuss outstanding issues.

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 10:00 AM to 12:00 PM and 1:00 PM to 2:00 PM.







PHOTOGRAPH	HIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	6/26/2024	Day:	Wednesday
Project Owner:	CRLCSWA	Contractor:	CEC	•	•
HDR Project No.	10383401	Owner Project No.	N/A		
4-IN Condensa	te connection near STA A 0+00 looking east	Completed valve	package near ST.	A B 14+50	Dooking north
CEC crew making	the GW-44 6-IN gas lateral connection looking	GW	V-44 riser looking	southwest	
	north				
	n assembled clean out in the trench near the ern B alignment connection point.	CEC crew in	stalling the 4-IN co	ondensate	cleanout

eastern B alignment connection point.



SCONSTRUCTION DAILY REPORT							
HDR#	10383401	PROJECT:	Landfill Gas System Improvements				
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering				
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)				
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering				

DAILY REPORT DATA:								
Report Date:	6/27/2024		Report No.:	81				
Created By:	Jason Reichart	Jason Reichart			lar Days):	153		
Contract Time to Subs	113	Notice to Proc	eed Date:		1/25/2024			
Substantial Completion Date: 10/18/2024			Final Completi	on Date:	10/31/202	4		

Summary June 27, 2024

	High	Low	Average		High	Low	Average
Temperature	79.7 °F	59.7 °F	69.2 °F	Wind Speed	11.0 mph	0.0 mph	2.9 mph
Dew Point	66.6 °F	56.1 °F	61.3 °F	Wind Gust	14.8 mph	-	3.9 mph
Humidity	88 %	58 %	76 %	Wind			ESE
Precipitation	0.00 in			Direction			
				Pressure	30.14 in	29.99 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-27/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:						
Contractor Employee		Subcontractor Employee					
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
6	CEC	~12					

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Item 19	Condensate Sump	1	Pneumatic pump installation

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started the day excavating for the CPS-02 abandonment with the Volvo EC210EL Excavator and placed the excavated waste.
 - o CEC also installed the pneumatic pump for the new condensate sump
 - o CEC continued installing wellheads and site grading the rest of the day.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

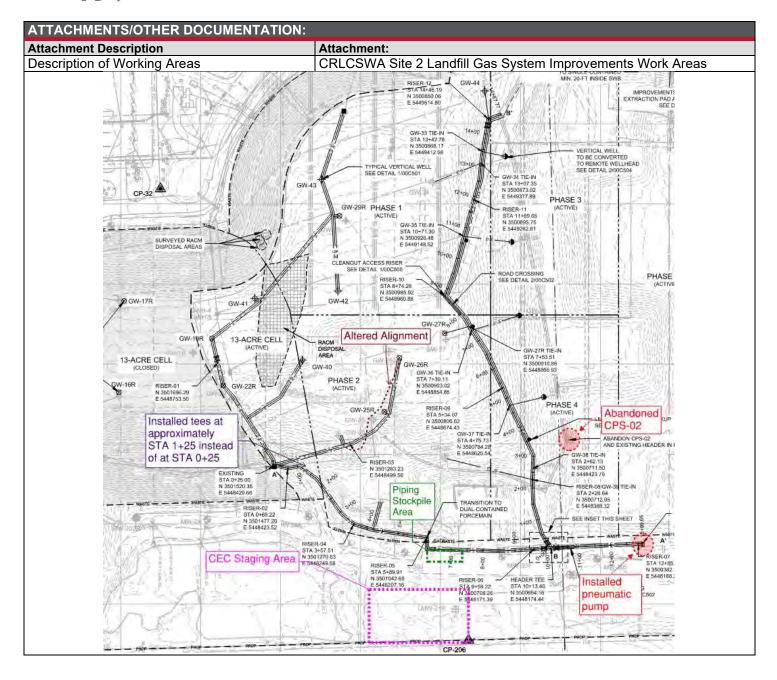
GENERAL OBSERVATIONS AND REMARKS

HDR Staff walked the site again today to begin development of a final punchlist

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 9:00 AM to 12:00 PM.







PHOTOGRAPH	IIC LOG	_	-		-
Project Name:	Landfill Gas System Improvements	Date:	6/27/2024	Day:	Friday
Project Owner:	CRLCSWA	Contractor:	CEC		<u> </u>
HDR Project No.	10383401	Owner Project No.	N/A		
	Removed CPS-02 structure	CEC o	rew capping aband	doned lin	es
	All lines capped	CEC backfill	ing the trench with	excavate	ed waste
CEC prepar	ring the pneumatic pump for installation	Comple	ted pneumatic pum	p at CPS	S-03



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	6/28/2024		Report No.:	82		
Created By:	Jason Reichart		Total Count to	Date: (Calend	lar Days):	154
Contract Time to Substantial Complete: (Calendar Days): 112			Notice to Proc	eed Date:		1/25/2024
Substantial Completic	Substantial Completion Date: 10/18/2024			ion Date:	10/31/202	4

Summary June 28, 2024

	High	Low	Average		High	Low	Average
Temperature	73.4 °F	59.0 °F	66.5 °F	Wind Speed	20.4 mph	0.0 mph	5.3 mph
Dew Point	69.1 °F	57.0 °F	63.2 °F	Wind Gust	26.2 mph	-	7.1 mph
Humidity	95 %	77 %	90 %	Wind		_	SSE
Precipitation	2.01 in		-	Direction			
				Pressure	30.02 in	29.77 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-20/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contracto	or Employee		Subcontractor Employee		
No. Craft Hours on Site		No.	Craft	Hours on Site	
0	CEC	0			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:				
Equipment	Firm Operating	Description		
Komatsu PC210LC Excavator	CEC			
Bobcat T770 Skid Steer	CEC			
2 x Volvo A25G Off-Road Truck	CEC			
Volvo EC200EL Excavator	CEC			
McElroy TracStar Fusion Machine	CEC			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

No work today due to rain

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR was not on-site today.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	7/1/2024		Report No.:	83		
Created By:	Jason Reichart		Total Count to Date: (Calendar Days): 157		157	
Contract Time to Substantial Complete: (Calendar Days): 109			Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4

Summary July 1, 2024

	High	Low	Average		High	Low	Average
Temperature	71.6 °F	52.2 °F	63.3 °F	Wind Speed	15.9 mph	0.0 mph	3.7 mph
Dew Point	60.1 °F	48.9 °F	53.9 °F	Wind Gust	25.1 mph	-	5.2 mph
Humidity	93 %	47 %	73 %	Wind	-	-	SE
Precipitation	0.04 in			Direction			
				Pressure	30.42 in	30.08 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-07-01/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee		Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site
6	CEC	~12			

VISITORS:				
Time	Name	Remarks		

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		
•			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Item 16	3" HDPE Forcemain	375	From STA B 14+87 to leachate extraction pad

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - CEC started the day excavating for the 3-IN forcemain to the leachate extraction pad with the Komatsu PC210LC Excavator. Excavation was installed shallow to keep the line above the liner and soil was stockpiled on site to backfill trench after pressure testing.
 - While excavating for the dual extraction tie-in, an issue was found with the storm water discharge. The 2, 4-IN
 discharge pipes had been sheared off at their connection to the 10-IN main discharge.
 - o Roto-rooter was on site jetting the stormwater discharge pipes and prepping for the repair.
 - o Both excavator's ended up breaking down and CEC need materials to complete the stormwater discharge repair so the crew pressure tested the 3-IN forcemain line.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

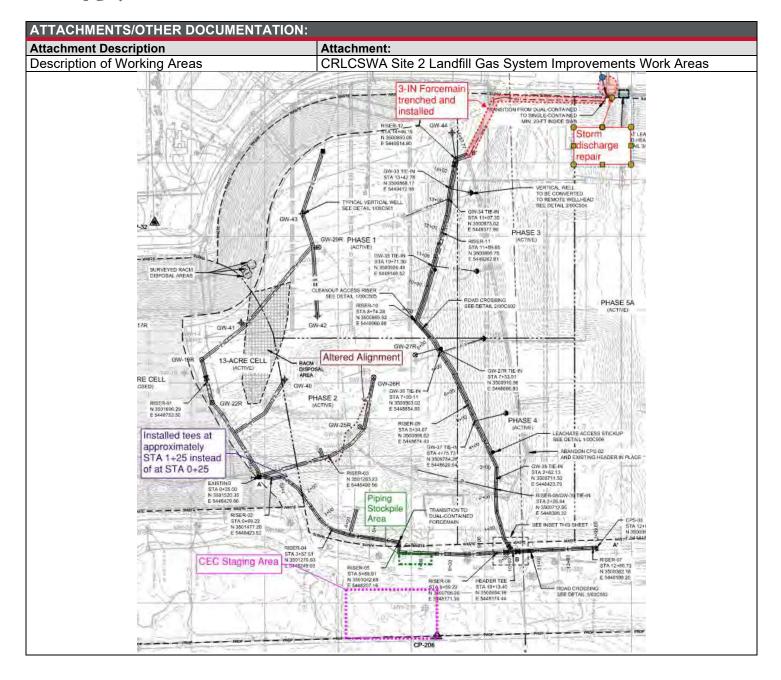
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR (Jason Reichart) was on-site today from 11:30 AM to 12:30 PM and 3:00 PM to 5:00 PM.





PHOTOGRAPH	IIC LOG				
Project Name:	Landfill Gas System Improvements	Date:	7/1/2024	Day:	Monday
Project Owner:	CRLCSWA	Contractor:	CEC		
HDR Project No.	10383401	Owner Project No.	N/A		
Broken storn	nwater discharge being removed by CEC	Roto-Rooter	jetting the stormwat	er discha	arge lines
Bro	ken stormwater discharge pipe	Pressure	gauge at the beginr	ning of th	e test
Pressu	re gauge after one hour at pressure	CEC taping off the s	tormwater discharg tomorrow's forecast		n preparation of



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:						
Report Date:	7/2/2024		Report No.:	84		
Created By:	Jason Reichart		Total Count to Date: (Calendar Days): 1		158	
Contract Time to Substantial Complete: (Calendar Days): 108			Notice to Proc	eed Date:		1/25/2024
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4

Summary June 28, 2024

	High	Low	Average		High	Low	Average
Temperature	73.4 °F	59.0 °F	66.5 °F	Wind Speed	20.4 mph	0.0 mph	5.3 mph
Dew Point	69.1 °F	57.0 °F	63.2 °F	Wind Gust	26.2 mph	-	7.1 mph
Humidity	95 %	77 %	90 %	Wind		2	SSE
Precipitation	2.01 in		-	Direction			
				Pressure	30.02 in	29.77 in	

 $Source: Weather \ Underground \ (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-06-20/daily) \ Marion, \ IA.$

CONSTRUCTION WORK FORCE:					
Contractor Employee		Subcontractor Employee			
No.	Craft	Hours on Site	No.	Craft	Hours on Site
0	CEC	0			

VISITORS:				
Time	Name	Remarks		

EQUIPMENT LIST:					
Equipment	Firm Operating	Description			
Komatsu PC210LC Excavator	CEC				
Bobcat T770 Skid Steer	CEC				
2 x Volvo A25G Off-Road Truck	CEC				
Volvo EC200EL Excavator	CEC				
McElroy TracStar Fusion Machine	CEC				



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks

Work Observed

No work today due to rain

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR was not on-site today.



SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	7/3/2024	Report No.:	85				
Created By:	Jason Reichart		Total Count to Date: (Calendar Days): 159		159		
Contract Time to Subs	107	Notice to Proceed Date:			1/25/2024		
Substantial Completic	Substantial Completion Date: 10/18/2024		Final Complet	ion Date:	10/31/202	4	

Summary July 3, 2024

	High	Low	Average		High	Low	Average
	111811	2011	Attinge		111811	2011	Avelage
Temperature	89.4 °F	66.6 °F	77.2 °F	Wind Speed	11.6 mph	0.0 mph	2.7 mph
Dew Point	72.1 °F	64.9 °F	68.0 °F	Wind Gust	13.6 mph	-	3.6 mph
Humidity	96 %	48 %	75 %	Wind	-	4	ssw
Precipitation	0.01 in		-	Direction			
				Pressure	30.10 in	29.94 in	

 $Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-07-01/daily) \ Marion, \ IA.$

CONSTRU	CONSTRUCTION WORK FORCE:						
Contractor	Employee		Subcontractor Employee				
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
6	CEC	~12					

VISITORS:		
Time	Name	Remarks

Equipment	Firm Operating	Description	
Komatsu PC210LC Excavator	CEC		
Bobcat T770 Skid Steer	CEC		
2 x Volvo A25G Off-Road Truck	CEC		
Volvo EC200EL Excavator	CEC		
McElroy TracStar Fusion Machine	CEC		
-			



DAILY QUANTITIES:			
Item	Description	Installed QTY	Remarks
Item 17	3"x6" Dual Cont. Forcemain	25	Forcemain connection near leachate extraction pad

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC made the dual contained forcemain connection near the leachate pad.
 - o CEC also made the repairs to the damaged stormwater discharge pipes.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

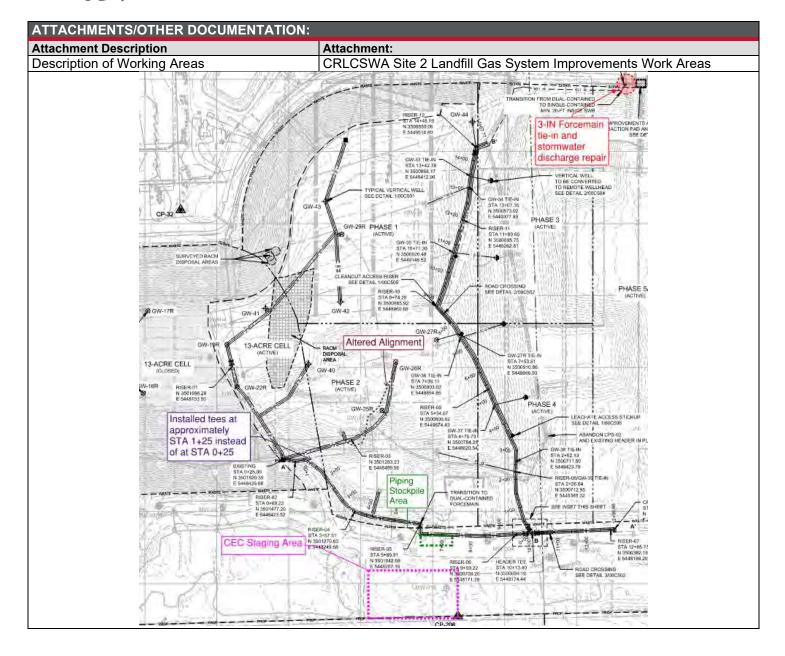
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

HDR was not on-site today but Tyler Merritt with O.A. Technical services was on-site







SCONSTRUCTION DAILY REPORT					
HDR#	10383401	PROJECT:	Landfill Gas System Improvements		
CONTRACTOR:	Carlson Environmental Consultants, PC (CEC)	RPR/CQA Consultant:	HDR Engineering		
OWNER PROJ. #	N/A	OWNER:	Cedar Rapids Linn County Solid Waste Agency (CRLCSWA)		
SITE ADDRESS	1954 County Home Rd, Marion, IA 52302	Design Engineer:	HDR Engineering		

DAILY REPORT DATA:							
Report Date:	7/5/2024	Report No.:	86				
Created By:	Jason Reichart		Total Count to Date: (Calendar Days): 161		161		
Contract Time to Subs	105	Notice to Proceed Date:		1/25/2024			
Substantial Completion Date: 10/18/2024			Final Complet	ion Date:	10/31/202	4	

Summary July 5, 2024 High Low Average High Low Average 78.3 °F 61.0 °F 68.2 °F Wind Speed 3.8 mph Temperature 14.1 mph 0.0 mph **Dew Point** 68.5 °F 58.6 °F 62.2 °F Wind Gust 18.3 mph 5.2 mph Humidity Wind 95 % 65 % 82 % WSW Direction Precipitation 0.04 in Pressure 30.05 in 29.93 in

Source: Weather Underground (https://www.wunderground.com/dashboard/pws/KIAMARIO120/graph/2024-06-19/2024-07-05/daily) Marion, IA.

CONSTRU	CONSTRUCTION WORK FORCE:						
Contractor	Employee		Subcontractor Employee				
No.	Craft	Hours on Site	No.	Craft	Hours on Site		
6	CEC	~12					

VISITORS:					
Time	Name	Remarks			

Firm Operating	Description
CEC	
	CEC CEC CEC CEC



DAILY QUANTITIES:						
Item	Description	Installed QTY	Remarks			
Item 20	Phase 5 Lean-to Mods	1				

Work Observed

- Carlson Environmental Consultants, PC (CEC)
 - o CEC started work around 7:00 AM and ended work around 7:00 PM.
 - o CEC spent the day removing leachate pump from LS-4, installing new 3 inch fittings, installing new 3" line from pump to the sump riser, and insulated the pipes but only applied one layer.
 - o CEC also backfilled and graded the trench from the leachate tie-in and stormwater discharge repair.

Work Not Observed, but in Progress

N/A

REQUESTED REVISIONS AND/OR INTERPRETATION:

N/A

DEFICIENCIES (REPORTED TO CONTRACTOR THIS DAY AND/OR CORRECTED THIS DAY):

N/A

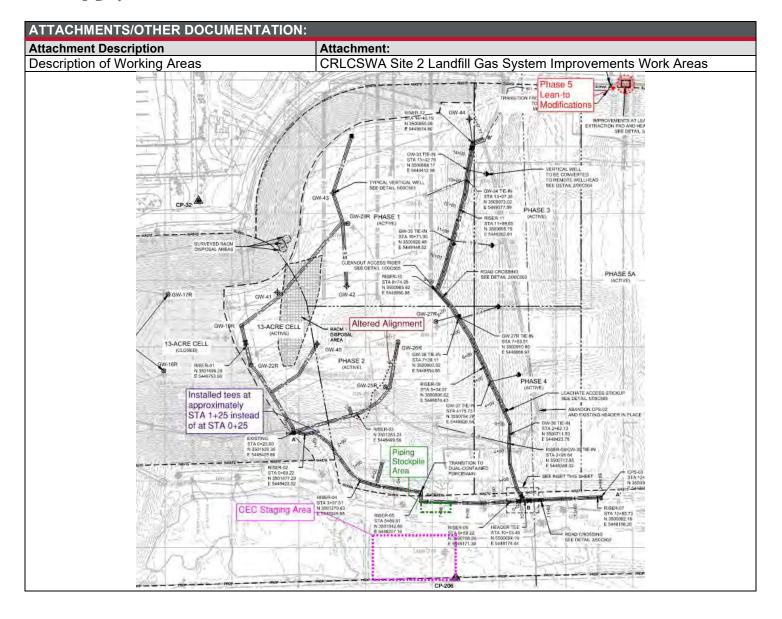
GENERAL OBSERVATIONS AND REMARKS

•

ENGINEER'S FIELD REPRESENTATIVE AND QA PERSONNEL:

• HDR was on-site today from 10:00 AM to 5:00 PM



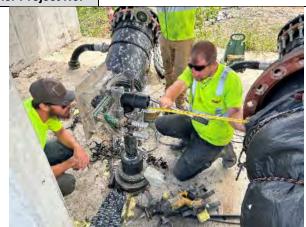




PHOTOGRAPHIC LOG									
Project Name:	Landfill Gas System Improvements	Date:	7/5/2024	Day: Friday					
Project Owner:	CRLCSWA	Contractor:	CEC						
HDR Project No.	10383401	Owner Project No.	N/A						
		1-3/03/21	1103						



CEC removing the leachate pump from LS-4



CEC crew installing new 3-IN HDPE to sump



CEC installing new 3-IN fitting on existing leachate pump



CEC placing the pump and upsized line back into LS-4



CEC making the final connection and replacing the cap



CEC backfilling Wednesday's excavation for the leachate pump tie-in and stormwater discharge repair