Construction Quality Assurance Report

Big Rivers Electric Corporation

Wilson Phase 1 Landfill Closure
Project No. 142697

Revision 0
January 2024

Construction Quality Assurance Report

prepared for

Big Rivers Electric Corporation
Wilson Phase 1 Landfill Closure
Centertown, Kentucky

Project No. 142697

Revision 0
January 2024

prepared by

Burns & McDonnell Engineering Company, Inc.
Kansas City, Missouri

INDEX AND CERTIFICATION

Big Rivers Electric Corporation
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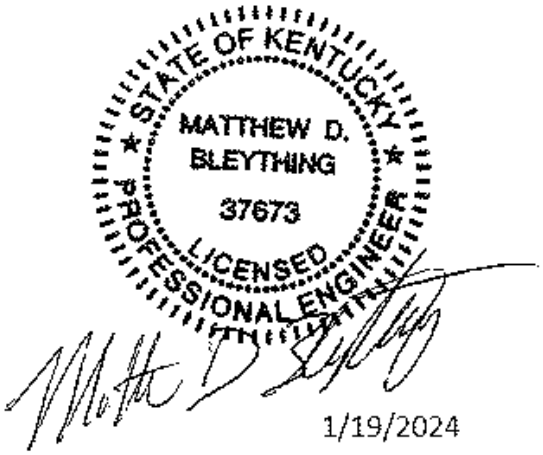
Certification

I hereby certify, as a Professional Engineer in the state of Kentucky, that the information in this document was assembled under my direct personal charge. This report is not intended or represented to be suitable for reuse by the Big Rivers Electric Corporation or others without specific verification or adaptation by the Engineer.

Matt Bleything, P.E., Kentucky, & license

Date: January 19, 2024



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LIST OF ABBREVIATIONS

Abbreviation	Term/Phrase/Name
ASTM	American Society for Testing and Materials
Burns & McDonnell	Burns & McDonnell Engineering Company, Inc.
Big Rivers	Big Rivers Electric Corporation
CCR	Coal Combustion Residual
ClosureTurf	ClosureTurf®
CQA	Construction Quality Assurance
CQA Report	Construction Quality Assurance/Quality Control Report
CQC	Construction Quality Control
KDWM	Kentucky Department of Waste Management
Hallaton	Hallaton, Inc.
HydroBinder	HydroBinder®
KAR	Kentucky Administrative Regulations
LLDPE	Linear Low-Density Polyethylene
OSHA	Occupational Safety and Health Administration
Pollard	Pollard & Sons Excavating, LLC
QC	Quality Control
TRI Environmental	TRI Environmental, Inc.

1.0 INTRODUCTION

This Construction Quality Assurance/Quality Control Report (CQA Report) has been developed in fulfillment of the Permit application for a coal combustion residual (CCR) disposal facility cap installed at Big Rivers Electric Corporation (Big Rivers) D.B. Wilson Generating Station in Centertown, Kentucky. The landfill is located in the Northwest corner of the generating station and was completed on approximately October 18, 2023.

This CQA Report has been developed in accordance with rules published by the applicable federal CCR Rule, Occupational Safety and Health Administration (OSHA), and Kentucky Administrative Regulations (KAR). Big Rivers is requesting that KAR issue a permit for the construction and operation of the proposed CCR disposal facility as a residual landfill permit. Documentation includes, but is not limited to, the following:

- Daily activity summary log of construction activities
- As Built Survey Drawings
- Subgrade acceptance documentation
- Geomembrane installation and testing documentation
- Alternative final cover installation and testing documentation

One or more CQA monitors were on-site during the following activities:

- Subgrade preparation
- Geomembrane installation
- Alternative final cover installation

Details of the construction and CQA documentation for construction of the various landfill components are provided in various sections of this report. Field and laboratory documentation records are provided in the Appendices.

1.1 Purpose

The purpose of this Construction Quality Assurance (CQA) Report is to outline the observations and testing requirements documented and verify the following:

- How each new constructed solid waste disposal facility unit(s) liner(s) and/or lateral expansion liner(s) and cover system(s) were inspected and/or tested by a registered engineer as required by CCR Rule and KAR applicable regulations during construction or installation for uniformity, damage, and imperfections;

- How each constructed section of the liner system or final cover system was certified by a registered engineer; and

- The engineered components met the lines and grades shown in the construction drawings and conform to the specifications in the CCR construction documents.

1.2 Contents

This CQA Report details the personnel qualifications, material requirements, sampling and testing procedures, testing frequency, testing parameters and sampling locations, surveying, required documentation and the procedures followed for test failures.

The construction related procedures addressed in the following sections were presented to direct construction personnel for development of the site. The CQA Report has been organized into the following Sections as listed below:

Table 1-1: Report Organization

SECTION	TITLE
1.0	Introduction
2.0	Project Documents
3.0	Project Overview
4.0	Earthwork
5.0	Geosynthetics
6.0	ClosureTurf

2.0 PROJECT DOCUMENTS

This CQA Report provides documentation that construction of the *Wilson Phase 1 Landfill Closure* was constructed in compliance with the following Reports, Construction Drawings, and Construction Specifications:

- *D.B. Wilson Generating Station Wilson Phase 1 Landfill Closure Cap Drawings,* AECOM, January 2021.
- *D.B. Wilson Generating Station Wilson Phase 1 CCR Landfill Closure Plan*: *Construction Quality Assurance Plan*, AECOM, January 2021.

3.0 PROJECT OVERVIEW

3.1 Project Description

The D.B. Wilson Generating Station is located at 5663 KY-85 in Centertown, Kentucky. The generating station is located to the east of Green River. The existing 91.83 acre CCR disposal facility is located in the northwest corner of the plant. Raymond Nall Road borders the landfill at the northeast corner. Big Rivers D.B. Wilson Generating Station is a 417 MW coal-fired power plant. The plant was built in 1984 and disposed of coal ash and other CCR materials at the uncapped landfill before reaching capacity. CCR currently being produced is stored at a separate landfill west of the separating power line.

Detailed design of the Wilson Phase 1 closure was performed by AECOM. During construction, Burns & McDonnell was responsible for monitoring construction activities and documenting that the material and installation procedures followed the construction documents. Big Rivers awarded the general construction contract to Hallaton, Inc. (Hallaton) and earthwork subcontractor Pollard & Sons Excavating, LLC (Pollard). Burns & McDonnell provided field observation for the preparation of subgrade, quality control (QC) of geomembrane conformance testing, and installation of geosynthetic materials. TRI Environmental, Inc. (TRI Environmental) was retained by Burns & McDonnell to provide destructive testing of geosynthetic materials. Associated Engineers, Inc. performed surveying services and provided final as-built survey drawings at the end of construction.

The geosynthetic liner cover system constructed for the Wilson Landfill consisted of prepared subgrade, overlain with 50mil LLDPE (Linear Low-Density Polyethylene) geomembrane, and ClosureTurf® - Ground Cover II geotextile component. The ClosureTurf® (ClosureTurf) component consisted of the woven geotextile engineered turf, a specified grade of sand infill (or alternatively HydroBinder® (HydroBinder) infill material), and a specified grade of aggregate to be placed on benches of the landfill.

3.2 Project Organization

The following includes pertinent parties involved with the Big Rivers Wilson Phase 1 Landfill Closure.

Owner

Big Rivers Electric Corporation
5663 KY 85 W
Centertown, Kentucky 42328

Design Engineer

AECOM

500 West Jefferson Street, Suite 1600

Louisville, Kentucky 40202

CQA Monitor

Burns & McDonnell Engineering Company, Inc.

9400 Ward Parkway

Kansas City, Missouri, 64114

General Contractor

Hallaton, Inc.

1206 Sparks Rd

Sparks, Maryland 21152

Earthwork Subcontractor

Pollard & Sons Excavating LLC

150 Centrak City Rd

Madisonville, Kentucky 42431

Geomembrane Manufacturer

AGRU

500 Garrison Rd

Georgetown, South Carolina 29440

Independent Geosynthetics Testing Laboratory

TRI Environmental, Inc.

9063 Bee Caves Rd

Austin, Texas 78733

ClosureTurf ®

Watershed Geo

11400 Atlantis PI #200

Alpharetta, Georgia 30022

Surveyor

Associated Engineers, Inc.
2740 N Main Street
Madisonville, Kentucky 42431

3.3 Project Meetings

Various preconstruction, construction, and progress meetings were held throughout construction and cover installation activities. The purpose of these meetings was to introduce all parties involved with the project, clarify the responsibilities of all parties involved, review the project schedule and site safety procedures, prescribe lines of communication, establish procedures for documenting installation methods and testing, and review the requirements of the project specifications. Progress meetings were held weekly during construction activities to aid in the coordination of work among all parties involved.

Daily discussions occurred at the site with the owner, general contractor, subcontractors, and the CQA Monitor(s) to address scheduling, specific questions regarding daily work plans, weather conditions, etc. These discussions, where relevant, are summarized in the daily field activities reports presented in Appendix A.

3.4 Construction Quality Assurance Program

Burns & McDonnell was retained by Big Rivers to provide CQA services for the D.B. Wilson Phase 1 Landfill closure. During construction, Burns & McDonnell was responsible for monitoring construction activities while on site and documenting that the material and installation procedures followed the CQA plans and construction documents.

To implement the CQA program, Burns & McDonnell used KAR, the D.B. Wilson Phase 1 Landfill Permit Documents, the KAR Approved CQA plan, construction documents, and industry standards as guides.

CQA monitoring for subgrade preparation involved the following activities:

- Observing preparation of a subgrade conforming to the construction documents (see Appendix B and Appendix C); and

CQA monitoring for the geosynthetics involved the following activities:

- Observing material delivery, unloading, and storage procedures;
- Examining the geosynthetics for visually apparent surface defects during deployment;

- Observing fusion and extrusion welding equipment trial welds;
- Observing geosynthetics placement and seaming;
- Observing the location of destructive seam samples;
- Observing on-site destructive seam sampling and testing;
- Shipping destructive seam samples to a third-party laboratory for testing;
- Reviewing third-party laboratory test results for conformance;
- Observing and documenting repair operations;
- Documenting CQA activities.

CQA field activities are summarized in the field activities reports. These reports are presented in Appendix A of this report. Photographs documenting construction activities are also presented in Appendix A.

3.4.1 Quality Control

Quality Control includes actions taken by all parties including the designer, manufacturer, fabricator, and/or Contractor, to show that their methods, materials, and workmanship are accurate and correct and meet the project requirements, in accordance with the approved plans and specifications. QC is provided by each party for its own work, product, or service.

3.4.2 Documentation

Burns & McDonnell prepared and provided periodic signed reports which summarized construction activities and the results of observations and tests including descriptive remarks, data sheets, and logs which verified that all quality assurance monitoring activities were carried out. The Owner provided two (2) days notice to the Kentucky Department of Waste Management (KDWM) for conducting inspections at critical phases of construction including, but not limited to, geomembrane installation, ClosureTurf installation, and final inspection. KDWM was also contacted when each cap component was completed so that the KDWM representative was able to inspect the cap component prior to the next component being installed per 401 KAR 345:110 Section 5. The Owner provided KDWM a minimum of a two (2) working day notice for the inspection to be scheduled. Documentation of KDWM review was noted in the daily reports along with verbal acceptance of liner and highlighted concerns.

3.4.2.1 Daily Summary Report

Standard reporting procedures included preparation of a daily report which at minimum consisted of:

- An identifying sheet number for cross referencing and document control.

- Date, project name and number, location, and other identification.
- A summary report including memoranda of meetings and/or relevant discussions with the Owner, and/or site contractors, observation logs, test data sheets, decisions reached, activities planned and their schedule.
- Other forms of daily recordkeeping to be used as appropriate including construction problem and solution data sheets and photographic reporting data sheets.

The daily summary report also included the following information as needed:

- Major work activities.
- Locations of work activities.
- Weather conditions.
- Descriptions and locations of ongoing construction.
- Descriptions and specific locations of areas, or units, of work being tested and/or observed and documented.
- Locations where tests and samples were taken or referenced to specific observation logs and/or test data sheets where such information can be found.
- A summary of field/laboratory test results or reference to specific observation logs and/or test data sheets.
- Calibrations or recalibrations of test equipment and actions taken as a result of recalibration, or reference to specific observation logs and/or test data sheets.
- Off-site materials received, including quality verification documentation.
- Decisions made regarding acceptance of units of work, and/or corrective actions that were taken in instances of substandard quality.
- The CQA Officer's signature.

This information was regularly submitted to and reviewed by the Owner and Owner's Representative and served as the progress reports which were distributed when daily field activities were performed.

4.0 EARTHWORK

4.1 Subgrade Excavation and Compaction of In-Situ Materials

The subgrade was visually inspected by the Contractor for any inconsistencies or oversights made while preparing the subgrade for geosynthetic deployment. A project-specific subgrade acceptance form was completed and signed by both the Contractor and Subcontractor each day cover was deployed.

Existing site soils were used for subgrade and compacted to meet requirements. The subgrade was constructed in substantial compliance with the construction drawings and project specifications.

4.1.1 Construction

Prior to placement of the final cover system geomembrane, the subgrade layer was stripped of existing vegetation and any unsuitable materials were removed from the surface. The surface was then rolled with a smooth steel wheel roller, pneumatic wheel roller, or other means to provide a surface free of irregularities, loose earth, and abrupt changes in grade.

Where necessary, suitable backfill was placed in horizontal loose-lifts that did not exceed eight inches in thickness. Each lift was compacted using suitable equipment to achieve the minimum in-place density specified in Appendix D. The contractor adjusted the moisture content of the fill material as needed to meet the specified moisture/density requirements.

Prior to placement of the final cover system geomembrane, the Owner's Representative:

- Observed that surfaces on which the geomembrane was to be placed are at the design line and grade and were rolled with a smooth steel wheel roller, pneumatic wheel roller, or other means to provide a surface free of irregularities, loose earth, and abrupt changes in grade.
- Received an acceptance of the surface condition from the geomembrane installer.
- Observed that prepared subgrade was maintained in a smooth, uniform, and compacted condition during installation of the geosynthetic lining system. If drying, cracking, erosion, or other damage had occurred, then observed that it was repaired before installing the geomembrane.
- Observed that adequate drainage for the prepared subgrade was provided and maintained until the lining installation was completed. The geomembrane should not be placed if moisture prevents proper subgrade preparation, placement, or membrane seaming.

4.1.2 Construction Testing

The Owner was responsible for pre-qualification testing of proposed sources of any backfill material. In-place testing consisted of visual inspection by the installer and the owner/engineer in accordance with the requirements listed in Appendix D.

4.1.3 Observation and Documentation of Construction Activities

CQA observation and documentation was performed by the CQA Monitor while on site. The CQA Monitor's observation of construction activities is documented in the daily field activity reports presented in Appendix A and in the subgrade acceptance forms in Appendix C. The CQA Monitor's duties typically included:

- Observing major work activities.
- Observing locations of work activities.
- Participating in meetings with contractor.
- Observations relating to the requirements of the specifications.
- Observing that the materials were placed to the lines and grades shown on the drawings.
- Determining that the construction activities were not adversely impacting other existing features such as piping, geomembrane, etc.

Specific report forms included in the appendices consist of subgrade acceptance forms that were signed each day geomembrane was deployed by the Contractor and the Subcontractor, who was responsible for preparing the subgrade.

5.0 GEOYNTHETICS

5.1 Geomembrane

The composite cover system consisted of a 50mil LLDPE geomembrane beneath a ClosureTurf component. The geomembrane material was manufactured by AGRU and installed by Hallaton. The manufacturer's certifications and QC documents for the geomembrane are presented in Appendix H. All material QC documentation was found to be in compliance with the construction drawings and project specifications.

5.1.1 Delivery and On-Site Storage

Geomembrane materials were delivered to the project site in roll form. Delivery and on-site storage of the geomembrane was checked by the CQA Monitor and documented in Appendix E. The delivery and on-site storage methods were found to be in compliance with the construction drawings and project specifications.

5.1.2 Conformance Testing

Prior to the delivery of the geomembrane to the site, conformance samples were obtained and sent to the geosynthetics testing laboratory to verify the manufacturer's QC results. Samples were obtained every 50,000 square feet and tested for several items including the following:

- Thickness: ASTM D5994.
- Drainage Stud Height: ASTM D7466
- Friction Spike Height: ASTM D7466
- Density: ASTM D792
- Tensile Strength and Elongation: ASTM D6693.
- Tear Resistance: ASTM D1004.
- Puncture Resistance: ASTM 4833
- Carbon Black Content: ASTM D4218
- Carbon Black Dispersion: ASTM D5596
- Oxidative Induction Time: ASTM D3895
- Transmissivity: ASTM 4716

All geomembrane conformance testing samples were found to be in compliance with the project specifications. The conformance sampling results are presented in Appendix F.

5.2 Geomembrane Deployment

The geomembrane was rolled in place over prepared subgrade. The technicians then cut the material from the roll and adjusted the panel to its desired location. The free edges of the geomembrane panels were temporarily anchored with sandbags.

Each sheet or panel of geomembrane material was given a unique identification number. The panel identification number and corresponding manufacturer's roll number were recorded on the Geomembrane Placement Log presented in Appendix F. The panel numbers were written directly on each panel for ease of reference during geomembrane installation. As Constructed Drawings showing the location of each geomembrane panel is presented in Appendix F.

5.2.1 Geomembrane Seaming

The geosynthetics installer seamed the panels together using hot wedge (fusion) welding. Extrusion welding was used to weld patches, repairs, and correction seams. Seaming procedures were performed in accordance with the project specification requirements and standard geomembrane installation practices. The date, welding machine number, operator, and time were all recorded in the starting location for each seam. The seams were identified by adjacent panels; for example, a seam between panel P7 and P8 is seam 7/8. All seams were nondestructively tested for continuity and to nondestructively verify the integrity of each fusion weld. Destructive samples were collected every 1000 linear feet of seam or less for laboratory testing. The Geomembrane Seaming Log is presented in Appendix F.

5.2.2 CQA

The CQA program for the geomembrane involved the following:

- Review of Manufacturer's QC submittals.
- Nondestructive and destructive testing geomembrane seams.
- Construction observation.

Geomembrane CQA activities are summarized in daily field reports and logs, which can be found in the Appendices.

5.2.2.1 Trial Welds

Each welding technician and welding apparatus was required to pass a trial weld test once in the morning and once in the afternoon, when operator/machine combinations change, when an apparatus is turned off and restarted, and when the geomemebrane temperature changed by 36°F or more since the previous trial weld was performed. During the trial weld, the technician welded a test seam in environmental conditions

similar to those in which the actual seaming would be performed. Ten test specimens were then cut from the trial weld, with five tested on-site for seam strength in peel and five tested on-site for seam strength in shear. Acceptance of the trial welds was based on conformance with the seam strength acceptance criteria presented in ASTM D6392. If welding equipment did not pass the trial weld test, the welding equipment would be adjusted by the geosynthetics installer and reevaluated or removed from service. The trial weld test results are presented in Appendix F.

5.2.2.2 Geomembrane Repairs

Throughout the project, both the CQA Monitor and geosynthetic installer's representative inspected the geomembrane for material and seam flaws. Repairs included all patches required for panel intersections, welding errors, and any geomembrane perforations or surface defects. All areas that required repairs were marked, recorded on a repair log form, repaired, and vacuum tested. The Geomembrane Repair Log is presented in Appendix F.

5.2.2.3 Destructive Testing

Destructive testing, used to evaluate fusion weld seam strength, consisted of Construction Quality Control (CQC) field testing and CQA laboratory testing. One sample was taken at least every 1000 linear feet of seam. The locations of the destructive samples are presented in the Panel As-Built Drawing in Appendix F. Each destructive sample was divided into three parts; one was sent to the independent geosynthetics testing laboratory for laboratory testing, one was field tested by the geosynthetics installer, and the third was provided to the Owner as an archive sample. When field destructive test failures occurred, the installer addressed the test failures by either reconstructing the entire seam or taking additional samples on either side of the original sample. The results of the field destructive tests are included in Geomembrane Destructive Test Records presented in Appendix F.

Both the independent geosynthetics testing laboratory (TRI Environmental) and the geosynthetics installer tested seam samples in shear and peel modes in accordance with the specified ASTM standards and the contract specifications. A total of 214 samples were obtained and tested from the primary cover for the landfill. The independent testing laboratory results governed final acceptance. There were no failures of the destructive samples during independent laboratory testing. Results of the destructive tests from the independent geosynthetics testing laboratory are presented in Appendix G.

5.2.2.4 Nondestructive Testing

To check for seam continuity and to nondestructively verify the integrity of each fusion weld, the geosynthetics installer conducted nondestructive tests on all seams, patches, and repairs as geomembrane

installation progressed. For all fusion welds, the geosynthetics installer nondestructively tested the seams using air pressure in accordance with the project specifications. For all extrusion welds (including repairs), the geosynthetics installer nondestructively tested the seams using vacuum box tests in accordance with the project specifications. All nondestructive test results for geomembrane seams are presented in Appendix F.

5.2.2.4.1 Air Pressure Testing

Air pressure testing of the seamed channel included inflating the test channel, closing the valve, and observing initial pressure after approximate air temperature and pressure have stabilized. The initial pressure was set to 30 psi and the test lasted for 5 minutes after reading the initial test pressure. If pressure loss exceeded 5 psi or if the pressure does not stabilize, the faulty area was located and repaired. Results from this testing are presented in Appendix F.

5.2.2.4.2 Vacuum Box Testing

Vacuum testing was required on all extrusion welded seams. To vacuum test, the vacuum pump was turned on to reduce the vacuum box to approximately 5 psi. Liquid soap and water solution was then applied to the area to be tested, the vacuum box was placed over the area to be tested and sufficient downward pressure was applied to "seat" the seal strip against the cover. Once a tight seal was created, the seam was observed through the window for a period of not less than 10 seconds. If no bubbles appeared after 10 seconds, the next segment of seam was tested. Areas that failed were marked and repaired with a cap strip or other acceptable method. Results from this testing are presented in Appendix F.

6.0 CLOSURETURF

The project ClosureTurf system consisted of engineered synthetic turf with a sand infill layer on top of a geotextile and studded geomembrane deployed above the prepared subgrade.

6.1 Material and Design Specifications

Equipment used to install ClosureTurf synthetic components was per the manufacturer's recommendations so as not to cause damage to any of the layer components. Equipment used included tracked equipment such as a skid steer, forklift, or other type of low ground pressure equipment. Additionally, a pneumatic blower truck was used to apply the infill at the desired rate to achieve to desired depth. The sand infill that was used, adhered to all required specifications as was documented in Appendix I. Alternative infill HydroBinder was used in the flumes, as specified in design drawings in Appendix B, and adhered to all required specifications.

6.2 Construction Specifications and Testing

Placement of ClosureTurf was not performed until after the required inspection from the KDWM. Visual inspection of the engineered turf was performed by Hallaton upon deployment to record defects and disposition of the defects. Turf was anchored to prevent movement by the wind and was repaired as need in accordance with the specifications. After placement of the engineered turf, sand infill was placed and tested by taking spot measurement tests to confirm the proper depth. HydroBinder was then placed in the flumes as specified in design drawings in Appendix B.

6.3 Aggregate

As part of the ClosureTurf component, sand infill was placed on top of the woven geotextile and engineered turf as set forth in Appendix I as well as ClosureTurf Sand Infill Specification Section 31 05 16. Additional testing was done in response to questions arising from the KDWM regarding the proposed ClosureTurf sand infill that would be used. More information on what this testing entailed can be found in Appendix I.

APPENDIX A - DAILY FIELD REPORTS AND PHOTOGRAPHS

DAILY FIELD ACTIVITIES REPORT

Date 5/24/2022 **Day of Week** Tuesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Overcast/Partly Sunny **Temp Low** 59 **High** 75 **Wind** E 10mph

Contractor Hallaton **Superintendent** John/Hallaton; David/Pollard **Labor On Site** 10/Hallaton

Other Representatives Onsite John – Hallaton; Justin – Hallaton; Travis – BREC; David – Pollard

Equipment in Use

Hallaton - Gator, skid steer, forklift. Pollard – Roller, excavator.

Activities

6:30 – arrived on-site. Met with John, Travis, Justin, and David. Went over area that is ready for liner.

7:30 – Walked subgrade and acceptance. Liner crew prepping for deployment. Trial weld run. Began prepping to deploy liner.

8:30 – Trial welds tested – passed.

9:00am - Began liner deployment and seaming on North slope working towards NE corner.

12:00pm – Break for lunch.

12:45pm – returned from lunch. Afternoon trial welds (passed). Resumed deploying and seaming. Marked destructs.

3:00pm – paused deploying liner to sandbag edges and leister butt seams and repairs since rain is expected.

4:00pm – finished seaming for the day. Continued securing for rain.

6:00pm – Liner crew and BMcD left site

Panels Placed: 1-13

Daily Sqft: 90,801

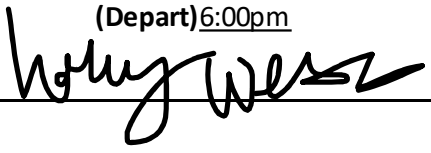
Description of Conversations/Conflicts/Issues and Action Taken

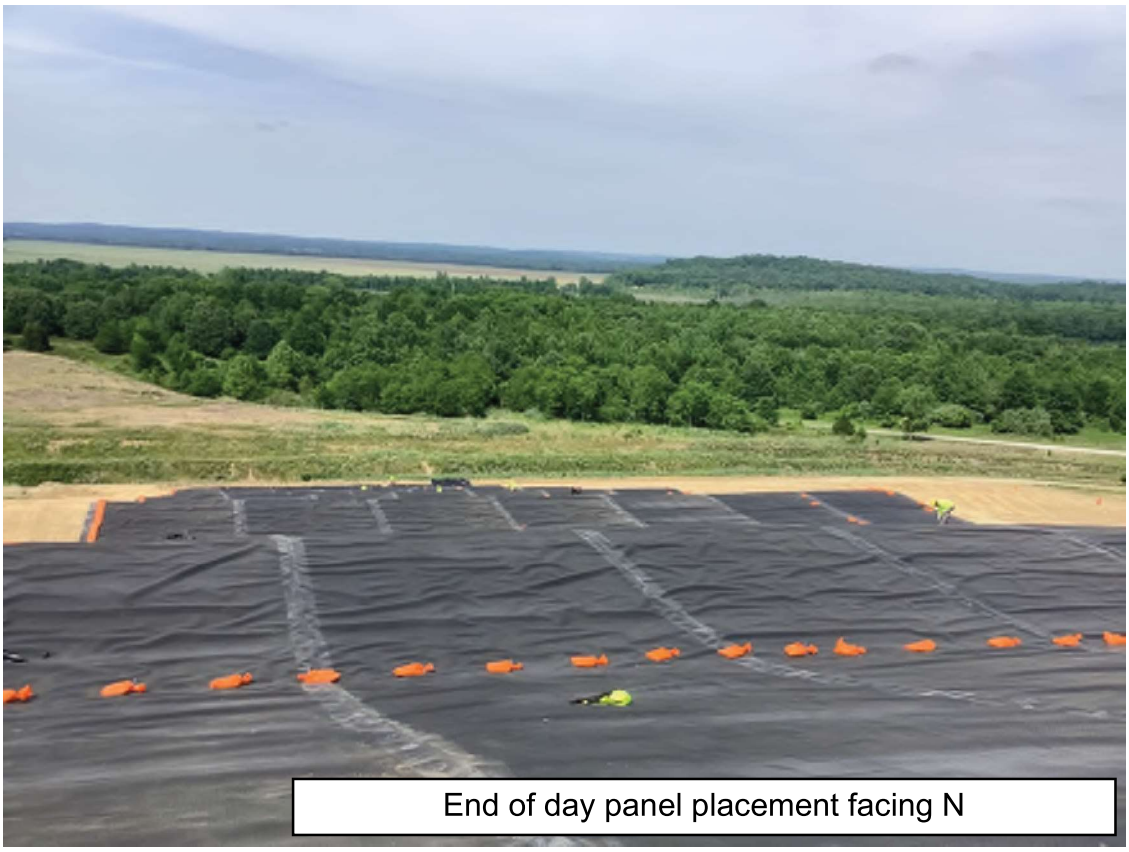
State expected out tomorrow for inspection – they were delayed so BREC (Travis) was given the go-ahead to begin.

Inspector On Site: **(Arrive)** 6:30am **(Depart)** 6:00pm

Contractor: **(Arrive)** 6:30am **(Depart)** 6:00pm

Inspector Holly Webb



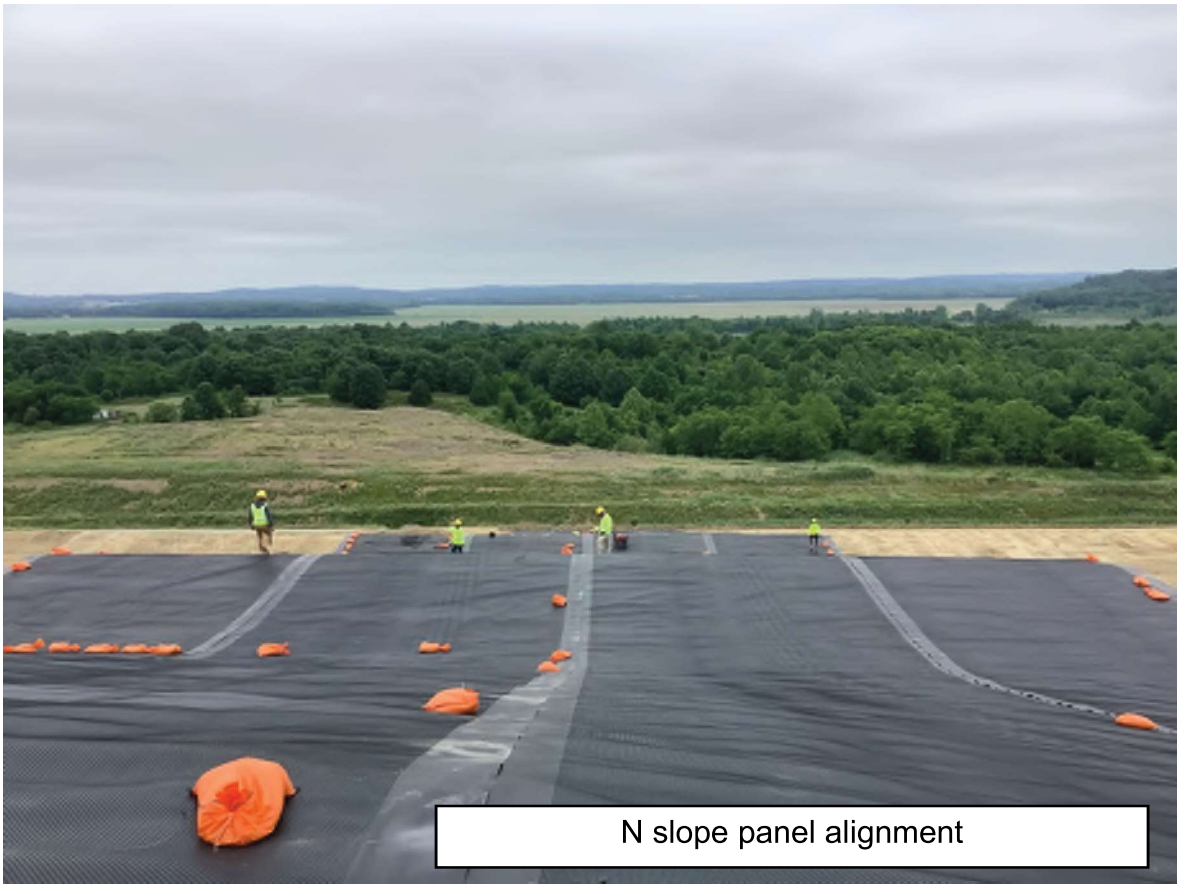


End of day panel placement facing N

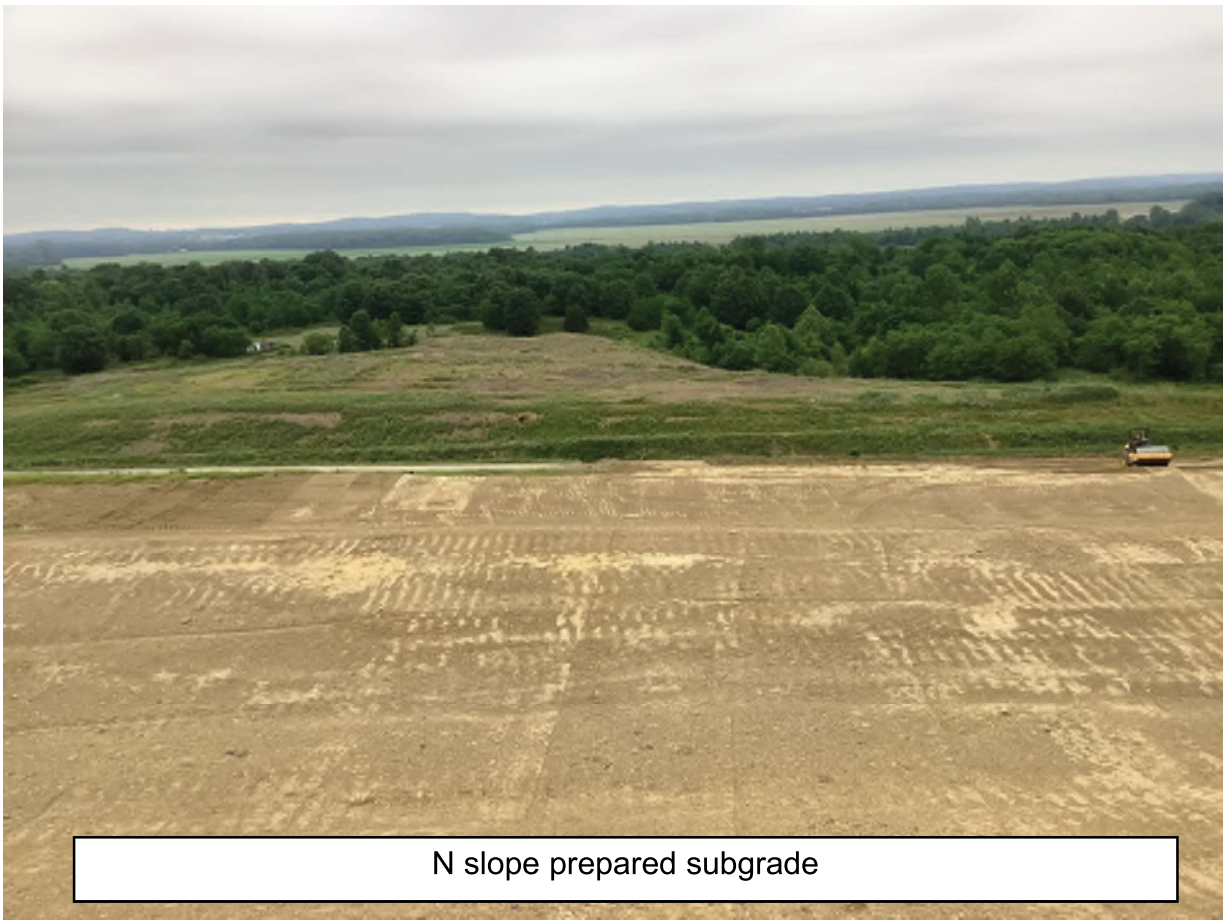
End of day panel placement facing S

Leistering in prep for extrusion weld

P1 placement



N slope panel alignment



N slope prepared subgrade

Panel placement on corner

Skid steer transporting roll of liner

Wedge fusion seaming

DAILY FIELD ACTIVITIES REPORT

Date 5/25/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy/cloudy and rain **Temp Low** 69 **High** 75 **Wind** SSE 14mph/gusts

Contractor Hallaton **Superintendent** David (Pollard)/Homero (Hallaton) **Labor On Site** Hallaton - 10

Other Representatives John (Hallaton), Travis (BREC), Kentucky State reps

Equipment in Use

Hallaton – Skid steer, gator, forklift; Pollard – Roller, excavator

Activities

7:00am – arrived on-site. Benches are soft from overnight rain and have some standing water on liner. Proceeding with air testing seams and cutting destructs from 5/24.

7:45am – began air testing.

8:30am – extrusion trial weld for repairs and end-seams. Trial weld tests passed. Began extrusion seaming.

10:30am – Kentucky reps on-site. Spoke with Travis. Walked liner and took pictures. Crew continued repairs and began vacuum testing.

12:15pm – crew stopped for lunch. Kentucky state reps off-site.

1:00pm – back from lunch. Tested destructs, passed.

1:30pm – rain began. Crew stopped activities to wait out rain.

2:30pm – crew decided to end for the day, too wet to resume work.

Panels Placed: NA

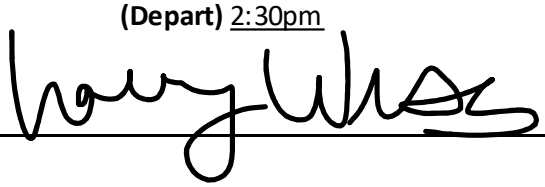
Daily Sqft: NA

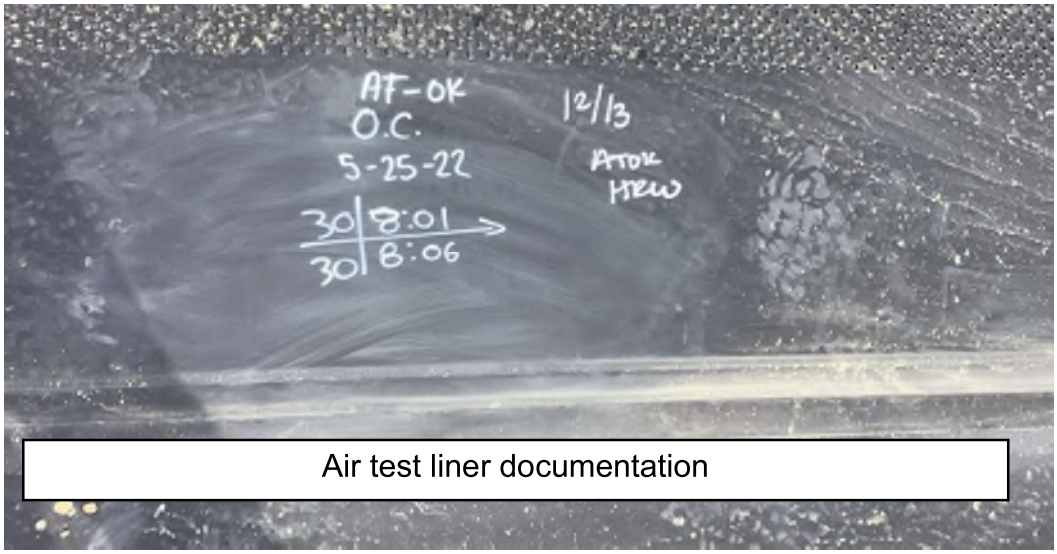
Description of Conversations/Conflicts/Issues and Action Taken

Kentucky representatives on-site. Had conversations with BREC/Hallaton about some concerns they had about the welds – settled on as long as tests are passing, they are good to go. Rain made the liner too wet to resume extrusion welding after the rain stopped. Crew decided to end work for the day. Will resume repair welding tomorrow.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 2:30pm

Contractor: **(Arrive)** 7:00am **(Depart)** 2:30pm

Inspector Holly Webb 



Air test liner documentation

Extrusion welding and grinding

DAILY FIELD ACTIVITIES REPORT

Date 5/26/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Rain **Temp Low** 62 **High** 75 **Wind** WSW 10mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite _____

Equipment in Use

Activities

7:00am – Crew arrived on-site. Began filling sandbags.

7:45am – BMcD discussion with Amaro. No liner activities will happen today. Crew will fill sandbags until lunch.

Panels Placed: NA

Daily Sqft: NA

Description of Conversations/Conflicts/Issues and Action Taken:

Rain preventing liner activities today. Expecting destructive testing results this afternoon. Liner work to resume tomorrow.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 8:00am

Contractor: **(Arrive)** 7:00am **(Depart)** 12:00pm

Inspector Holly Webb

DAILY FIELD ACTIVITIES REPORT

Date 5/27/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Overcast/Partly Sunny **Temp Low** 58 **High** 68 **Wind** WSW 8mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite John (Hallaton)

Equipment in Use

Activities

7:00am: Crew filling sandbags for the day. Liner is too wet to resume repairs and subgrade is too wet to lay more liner.

8:00am: H Webb left site. Crew only filling sandbags.

Panels Placed: NA

Daily Sqft: NA

Description of Conversations/Conflicts/Issues and Action Taken

Rain overnight resulted in too much standing water on the liner to resume repairs. Goal is to wrap up repairs and vacuum testing on Panes 1-13 tomorrow. Pushing more liner deployment to Tuesday to allow the subgrade to sufficiently dry.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 8:00am

Contractor: **(Arrive)** 7:00am **(Depart)** 3:00pm

Inspector Holly Webb

DAILY FIELD ACTIVITIES REPORT

Date 5/31/2022 **Day of Week** Tuesady

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 73 **High** 90 **Wind** SSW 10mph+gusts

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite John (Hallaton)

Equipment in Use

Skid steer, forklift, gator (Hallaton); Roller, excavator, dozer (Pollard)

Activities

7:00am – Arrived on-site. Began prepping liner for seaming activities. BMcD and Hallaton (Holly and John) looked at subgrade condition after rain – one corner of the bench still has standing water, going to have Pollard back blade it to disperse so that it will dry faster. Evaluated minor washout area on one slope – minor enough that shouldn't cause concern for the liner.

8:00am – Trial welds and trial weld testing – passed. Began seaming activities.

9:00am – Weekly project progress meeting.

11:00am – Second Hallaton crew arrived.

12:00pm – Crew break for lunch.

1:00pm – Crew back from lunch. Fusion and extrusion trial welds – passed. Resumed seaming activities including repairs.

5:00pm – finished deploying liner for the day; finished N slope. Detailing (repairs and air tests) continued.

5:30pm – cleanup

6:00pm – crew offsite.

Panels Placed: P14-P36

Daily Sqft: 75,205

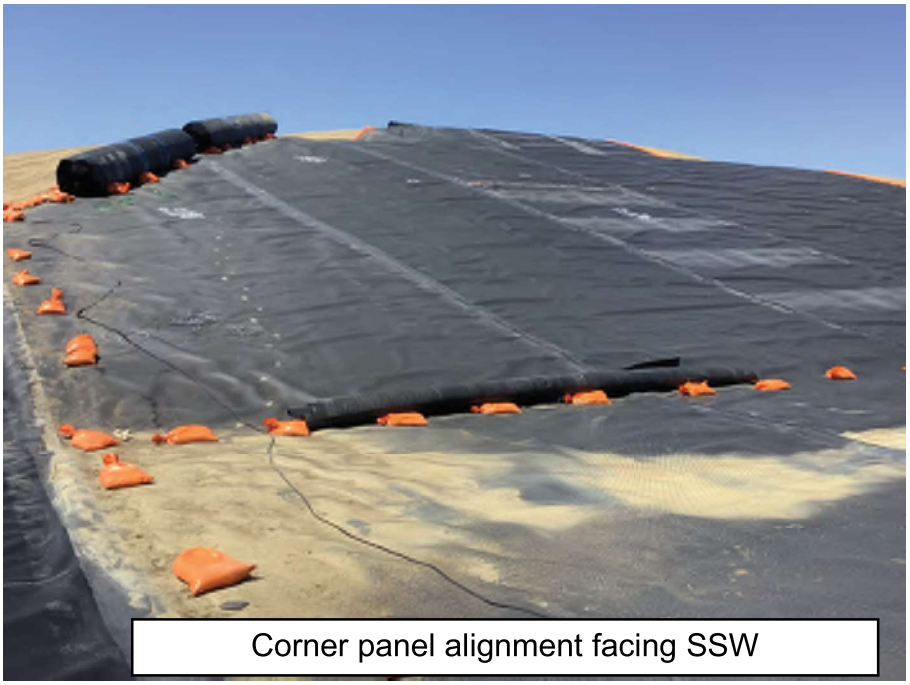
Description of Conversations/Conflicts/Issues and Action Taken

Additional crews will be in and out assisting on this project when they are between projects. This week will have one additional crew on-site. Pulling destructs tomorrow 6/1. Finished N side of NE corner; will work on rounding to E side tomorrow.

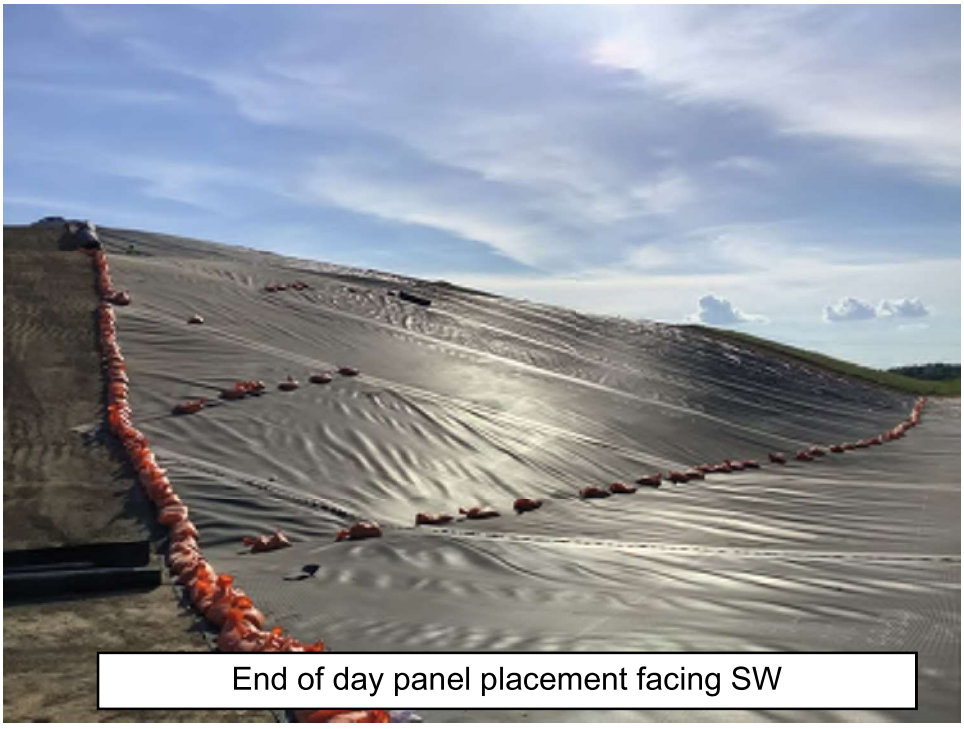
Inspector On Site: **(Arrive)** 7:00am **(Depart)** 6:00pm

Contractor: **(Arrive)** 7:00am **(Depart)** 6:00pm.

Inspector Holly Webb



Corner panel alignment facing SSW

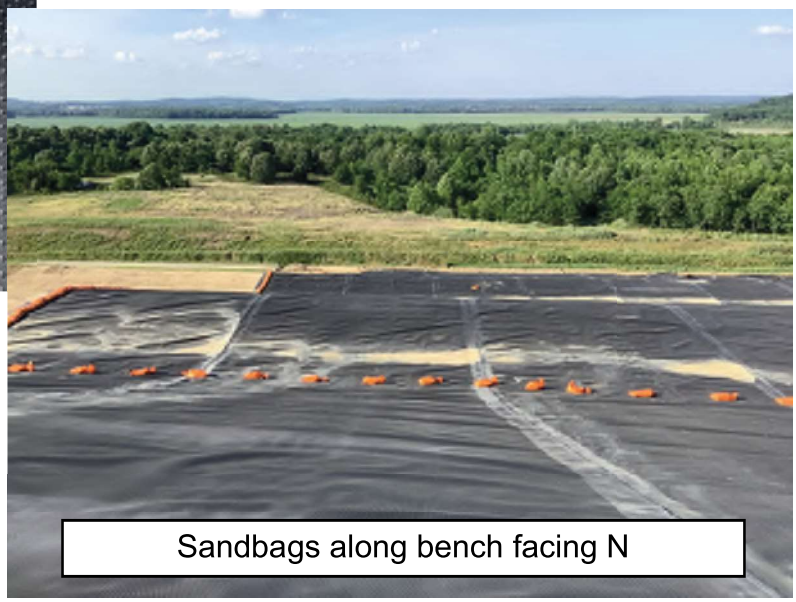


End of day panel placement facing SW

Liner alignment facing N

Liner deployment

Liner documentation of repair and vacuum test



Sandbags along bench facing N

Sandbags on edge of liner and across bench

DAILY FIELD ACTIVITIES REPORT

Date 6/1/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear/Partly cloudy **Temp Low** 69 **High** 88 **Wind** SSW 4mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 16 (Hallaton)

Other Representatives Onsite John (Hallaton), David (Pollard)

Equipment in Use

Gators, skid steer, forklift (Hallaton); Roller, dozer, excavator (Pollard)

Activities

7:00am – arrived on-site. Discussion with John about moving leachate collection line on east side of northeast corner.

8:00am – trial welds and trial weld testing – trial weld passed. Pollard rolling surface prior to liner deployment. Began seaming repairs.

10:00am – Began deploying liner.

12:00pm – break for lunch.

1:00pm – Return from lunch. Trial welds and testing – passed. Resumed deploying liner, seaming, and repairs.

5:30pm – H Webb off site to ship destructs seamed 5/31/2022.

6:00pm – Crew off site

Panels Placed: P37-P49

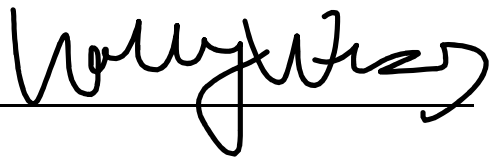
Daily Sqft: 42,755sqft

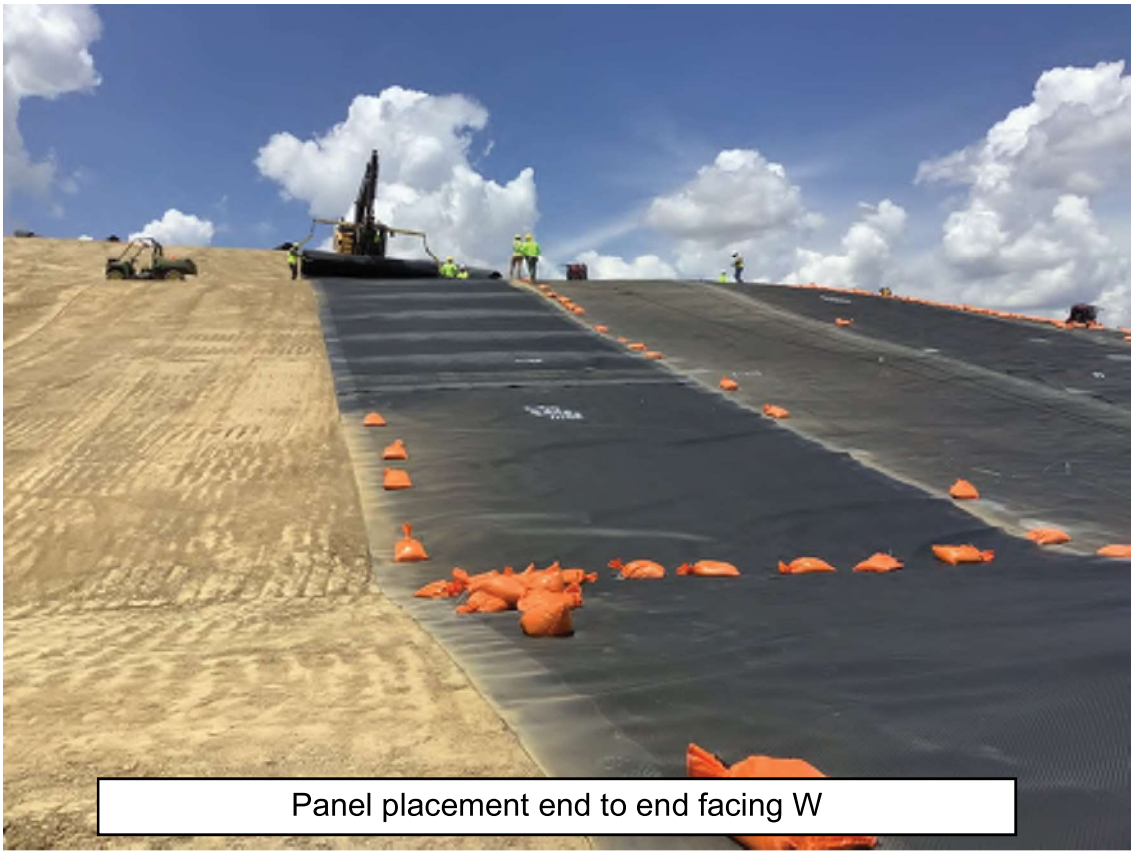
Description of Conversations/Conflicts/Issues and Action Taken

Discussion to lower leachate collection line into edge of perimeter channel as significant seepage was discovered below design flow line when beginning to dig perimeter ditch.

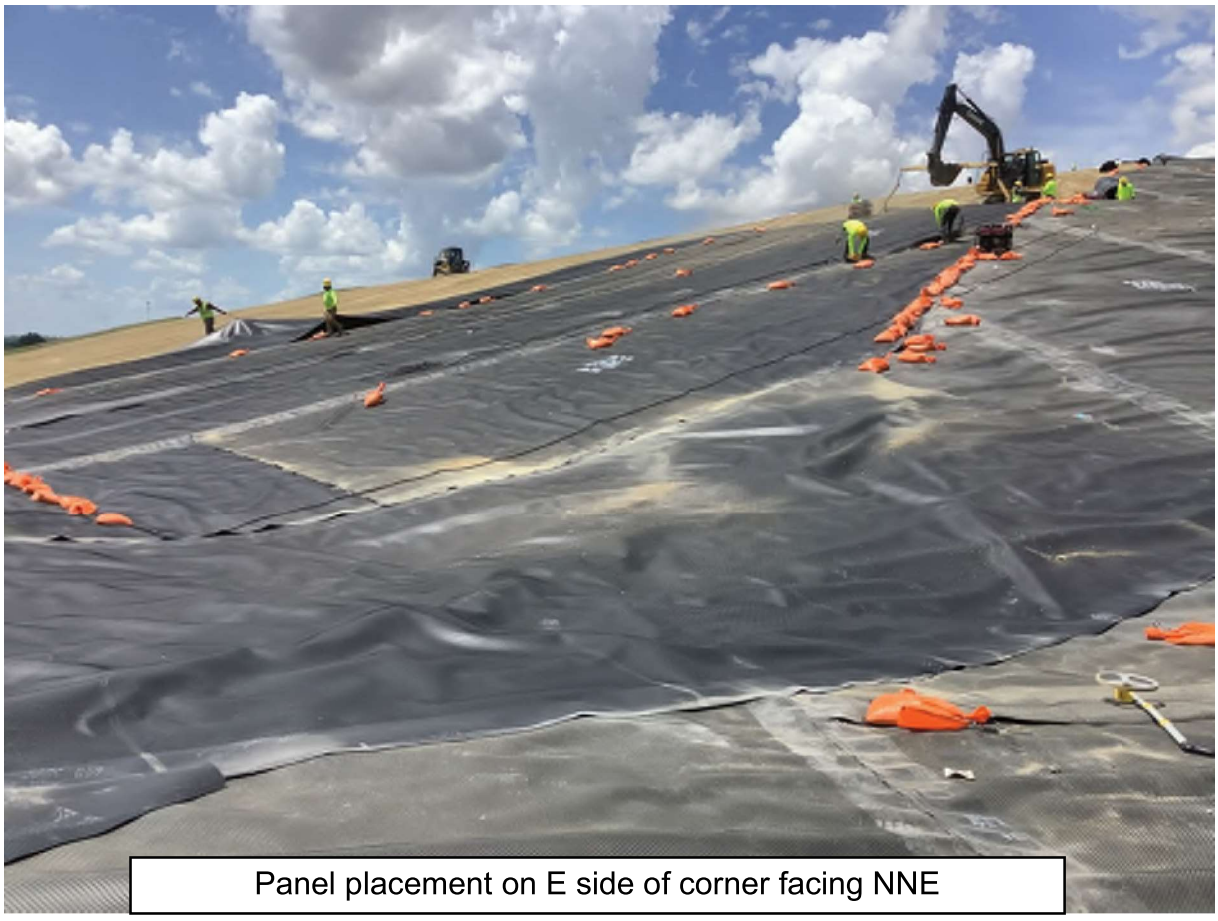
Inspector On Site: **(Arrive)** 7:00am. **(Depart)** 5:30pm

Contractor: **(Arrive)** 7:00am **(Depart)** 6:00pm

Inspector Holly Webb 



Panel placement end to end facing W



Panel placement on E side of corner facing NNE

Panel placement toe of E slope facing NNE

Wedge fusion seaming

DAILY FIELD ACTIVITIES REPORT

Date 6/2/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Cloudy/Partly sunny **Temp Low** 72 **High** 80 **Wind** S 2-10mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 16 (Hallaton)

Other Representatives Onsite John (Hallaton)

Equipment in Use

Gators, skid steer, forklift (Hallaton); excavator, roller (Pollard)

Activities

7:00am – arrived on-site. No rain overnight so began prepping to deploy liner.

8:00am – trial welds and testing – passed. Began deploying liner on E slope and seaming panels and repairs.

10:00am – very light sprinkle of rain began. Lasted approx. 15 minutes. Crew worked through it.

11:45am – temperature dropped back to 73 after rising to 80. Wind picked up to S 10mph.

12:00pm – break for lunch. Done deploying liner for the day since wind is picking up.

1:00pm – back from lunch. Fusion and extrusion trial welds. Finishing seams for what was deployed this morning. Repairs, air tests, and vacuum testing.

2:00pm – tested destructs from 6/1 and 6/2 and prepared for shipment. Continued repairs and air testing.

5:30pm – H Webb offsite to ship destructs. Crew cleaning up.

6:00pm – crew offsite

Panels Placed: 50-61

Daily Sqft: 77,489sqft

Description of Conversations/Conflicts/Issues and Action Taken

Tomorrow morning Pollard will be digging shallow (1 foot) anchor trench at the top of the landfill for the liner to prevent slipping of the liner.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 5:30pm

Contractor: **(Arrive)** 7:00am **(Depart)** 6:00pm

Inspector Holly Webb

Panel placement facing E

DAILY FIELD ACTIVITIES REPORT

Date 6/3/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 64 **High** 80 **Wind** N 7mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 16 (Hallaton)

Other Representatives Onsite John (Hallaton)

Equipment in Use

Gators, skid steer, forklift (Hallaton); roller, excavator (Pollard)

Activities

7:00am – arrived on-site. John discussing anchor trench with Hallaton. Crew began preparing to continue deployment on E slope.

7:30am – Pollard began anchor trench.

7:45am – trial welds for seaming and repairs – passed.

8:00am – began deploying liner on E slope and seaming activities (panel seams and repairs).

10:00am – Pollard finished anchor trench for liner currently deployed.

12:00pm – crew break for lunch.

1:00pm – back from lunch. Trial welds for seaming and repairs – passed. Resumed deploying, seaming, and repairs.

2:30pm – stopped deploying liner; approaching flume

4:00pm – tested destructs.

5:30pm – H Webb offsite to ship destructs

6:00pm – crew offsite

Panels Placed: 62-77

Daily Sqft: 110,147

Description of Conversations/Conflicts/Issues and Action Taken

Matt had discussion with Justin about moving collection line.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 5:30

Contractor: **(Arrive)** 7:00am **(Depart)** 6:00

Inspector Holly Webb

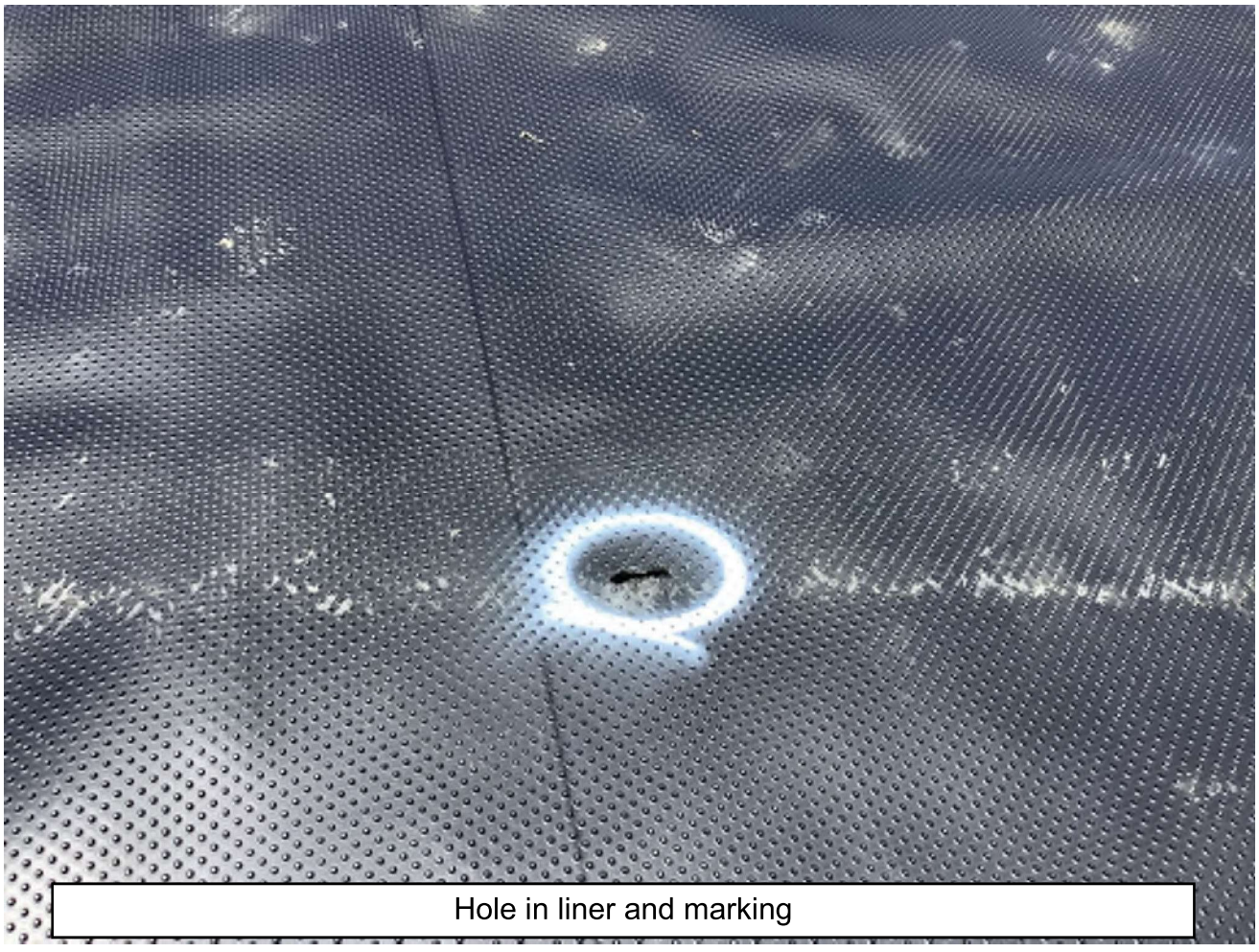
Anchor trench at toe of E slope

Deploying liner

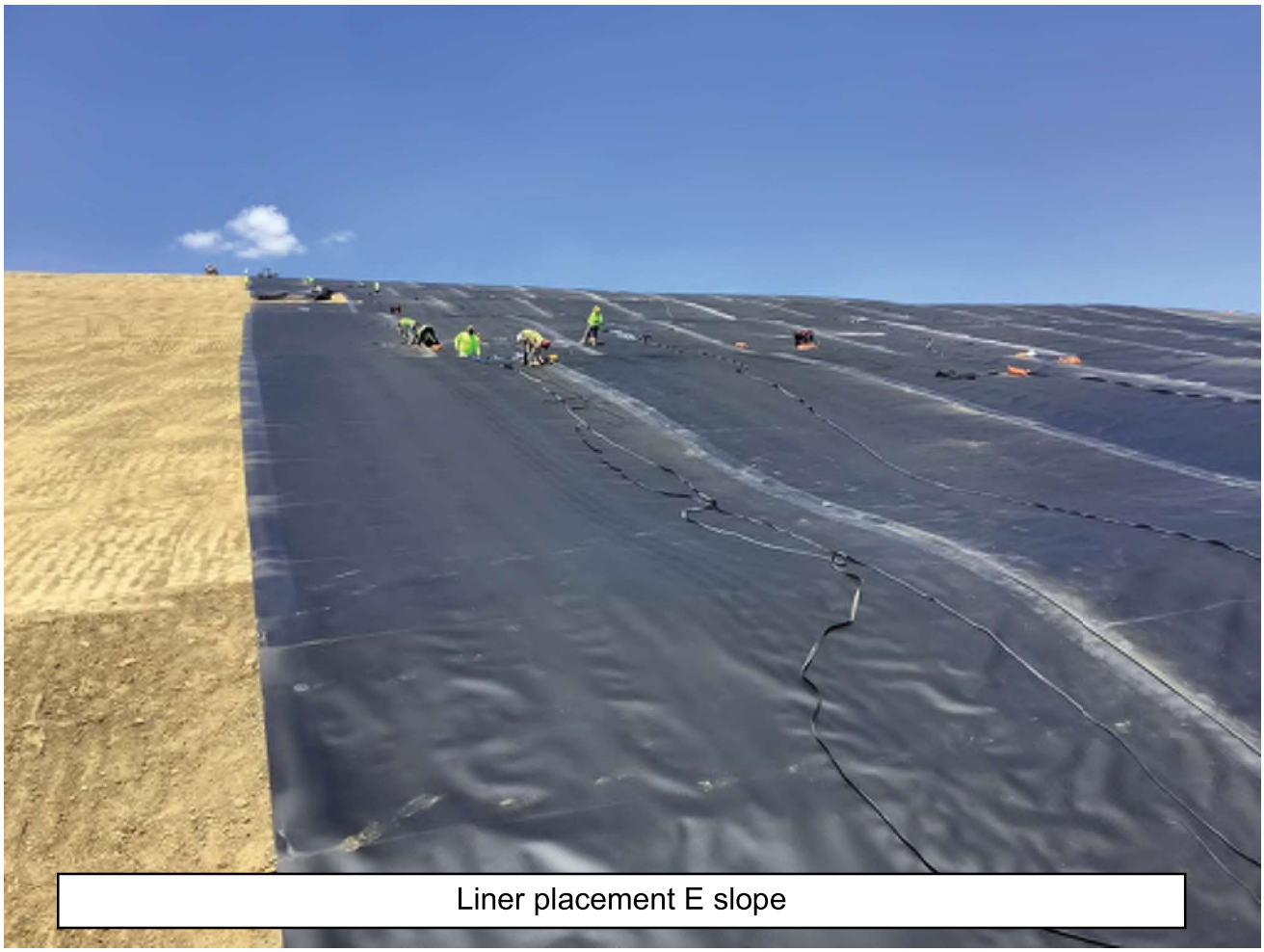
Digging anchor trench

Filled anchor trench at top of N slope

Filled anchor trench at top of N slope



Hole in liner and marking



Liner placement E slope

Prepared anchor trench

DAILY FIELD ACTIVITIES REPORT

Date 6/4/2022 **Day of Week** Saturday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 62 **High** 72 **Wind** Calm

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite John Buff (Hallaton)

Equipment in Use

Extrusion welders, vacuum box

Activities

7:00am – arrived on-site. Extrusion trial welds for detailing work on liner – passed.

8:00am – liner detailing work and vacuum testing

10:30am – finished detailing and vacuum tests. Crew cleaning up liner

11:00am – crew offsite

Panels Placed:

Daily Sqft:

Description of Conversations/Conflicts/Issues and Action Taken

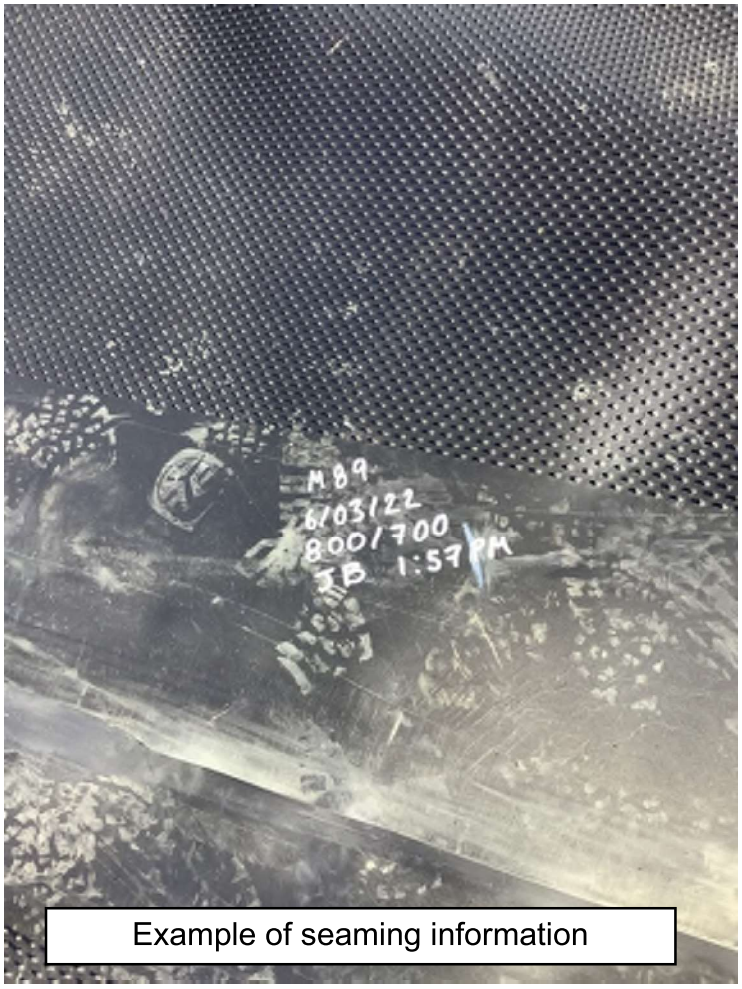
Inspector On Site: **(Arrive)** 7:00am **(Depart)** 11:00am

Contractor: **(Arrive)** 7:00am **(Depart)** 11:00am

Inspector Holly Webb

End seam and repair

Liner staging and storage



Example of seaming information

Multiple hole patches in one panel

R142 - Burnout and extension

Turf staging and storage

DAILY FIELD ACTIVITIES REPORT

Date 6/6/2022 **Day of Week** Monday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy **Temp Low** 72 **High** 75 **Wind** SSE 9mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 16 (Hallaton)

Other Representatives Onsite John (Hallaton), DemTech rep

Equipment in Use

Activities

7:00 – arrived on-site. DemTech rep here to update fusion welding machines and reissue certification for crew.

9:45am – clouds roll in to cause overcast skies. Intermittent light sprinkling.

12:00pm – crew break for lunch.

1:00pm – crew is not deploying liner or turf this afternoon. Crew is sandbagging edge of liner in preparation of rain.

Panels Placed:

Daily Sqft:

Description of Conversations/Conflicts/Issues and Action Taken

The state will be out tomorrow morning to look at panels 14-77 prior to turf install. Panels 1-13 have already been cleared by the state to progress with turf.

Inspector On Site: **(Arrive)** 7:00am **(Depart)** 1:00pm

Contractor: **(Arrive)** 7:00am **(Depart)** 1:00pm

Inspector Holly Webb

DAILY FIELD ACTIVITIES REPORT

Date 6/7/2022 **Day of Week** Tuesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Foggy & Overcast **Temp Low** 68 **High** 86 **Wind** WSW 4mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite John (Hallaton), Megan Carlin (BMcD), Woody Hoggleboth & Mohammed Razavi (State of KY), representatives from Watershed Geo (turf manufacturer).

Equipment in Use

Gators, skid steer, forklift (Hallaton)

Activities

7:00 – arrived on-site. Crew staging turf and preparing liner for turf by removing mud from overnight rain

9:00 – began deploying turf.

9:45 – trial weld for turf – passed. State representatives arrived onsite.

12:00 – break for lunch

12:25 - Watershed Geo representatives onsite.

13:00 – begin work again.

13:35 - conservation regarding air bubbles in liner.

17:00 – crew begins cleaning up for day.

17:15 – M. Carlin and H. Webb offsite.

18:00 – crew offiste.

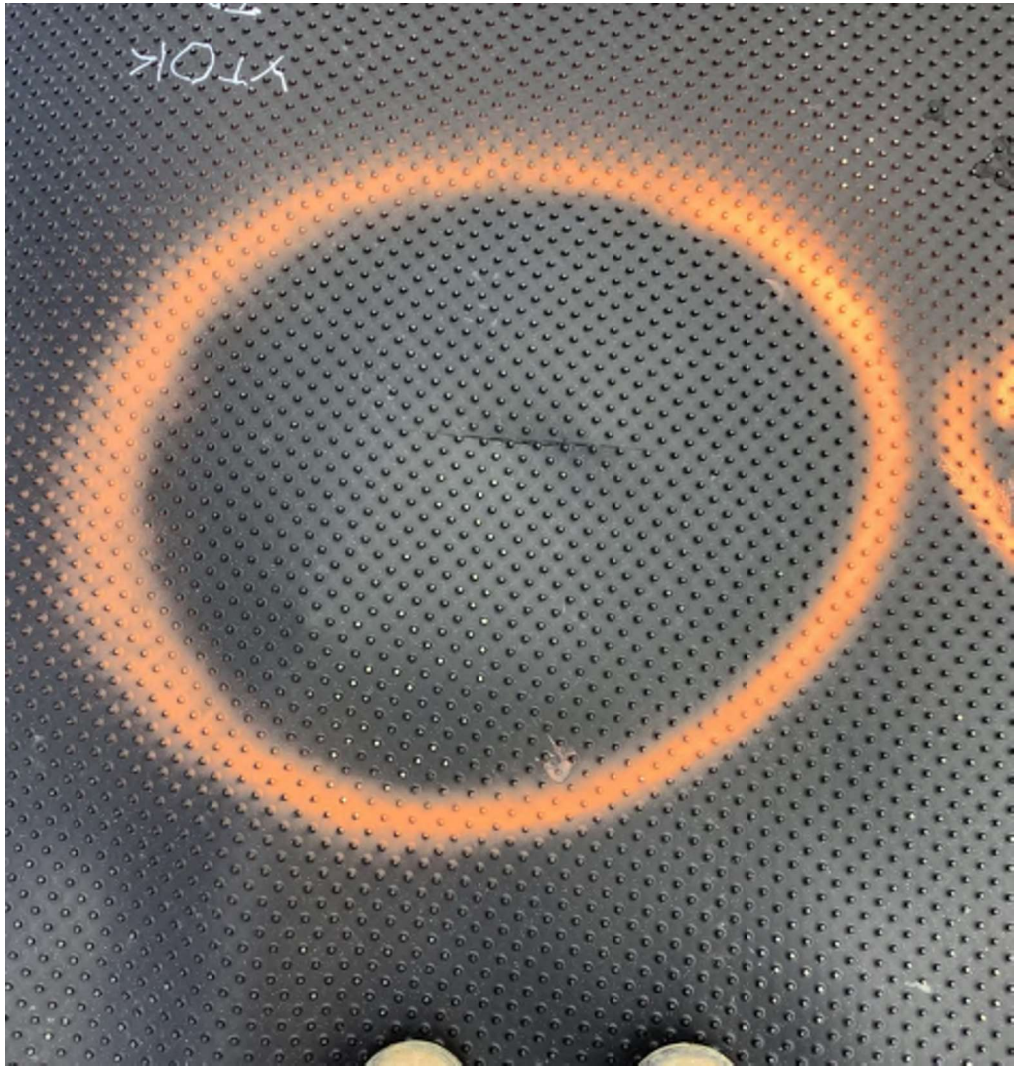
Panels Placed: NA

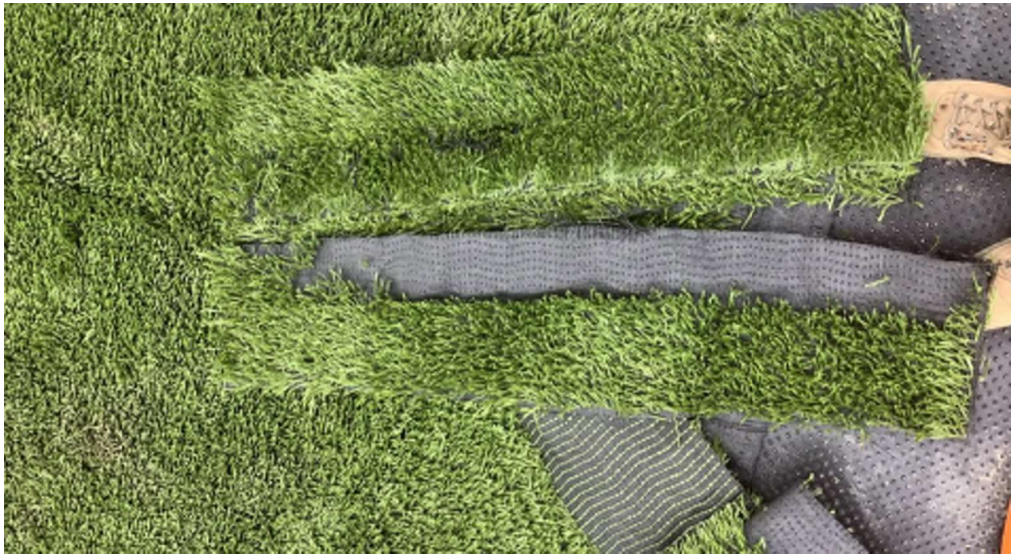
Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:** 57,502/57,502

Description of Conversations/Conflicts/Issues and Action Taken

Conversation regarding air underneath the liner. After discussion with Hallaton crew cause is determined to be due to gas expansion of the landfill from heat. Later in the day as temperatures cooled down expansion subsided. State identified 4 locations on east side of liner with small cuts near downhill anchor trench. Hallaton to correct next working day. Watershed Geo representatives happy with turf installation thus far.

Inspector On Site: **(Arrive)** 7:00 **(Depart)** 17:15
Contractor: **(Arrive)** 7:00 **(Depart)** 18:00
Inspector Holly Webb & Megan Carlin.





DAILY FIELD ACTIVITIES REPORT

Date 6/8/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy **Temp Low** 72 **High** 87 **Wind** N 6 mph

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite John Buff (Hallaton), Megan Carlin (BMcD), Holly Webb (BMcD).

Equipment in Use

Gators, skid steer, forklift (Hallaton)

Activities

7:00 – crew arrived on-site. Crew staging turf and preparing liner for turf
7:30 – trial weld for turf- passed
8:10 – M. Carlin & H. Webb arrive onsite
8:30 -inspect trial weld – passes. Crew begins welding turfs
8:55 – H. Webb offsite
12:00 – break for lunch
13:00 – begin work again. Continue placing turf
16:55 – crew finish placing turf for day. Begin to clean up.
17:05 – M. Carlin offsite
18:00 – crew offsite

Panels Placed: NA

Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:** 60,641/118,143

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 8:10 **(Depart)** 17:05
Contractor: **(Arrive)** 7:00 **(Depart)** 18:00
Inspector Holly Webb & Megan Carlin.

DAILY FIELD ACTIVITIES REPORT

Date 06/09/2022 **Day of Week** THURSDAY

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 70 **High** 78 **Wind** 8 mph SE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 7 (Pollard)

Other Representatives Onsite NA

Equipment in Use 2 haul trucks, excavator, mini excavator, dozer, morooka (Pollard); skid steer, gator, fork lift (Hallaton)

Activities

0700 Crew arrive on-site
0730 Pollard begin clearing west portion of N side of landfill
0730 Hallaton complete test weld for turf completed- passed. Crew begins deploying turf on panel 19.
0810 MRC arrive on-site
0840 MRC inspect test weld – passed. Hallaton begins welding turf.
0900 Pollard begins spreading gravel on benches of completed turf.
1200 Hallaton break for lunch
1300 Hallaton continue work. Continue placing turf.
1620 Hallaton finish placing panels, begin clean up.
1705 MRC offsite
1715 Crew offsite

Panels Placed: NA

Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:** 47,863/166,006

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0810 **(Depart)** 1705

Contractor: **(Arrive)** 0700 **(Depart)** 1715

Inspector 

DAILY FIELD ACTIVITIES REPORT

Date 06/10/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy, chance of rain **Temp Low** 67 **High** 79 **Wind** 1 mph SW

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 7 (Pollard)

Other Representatives Onsite NA

Equipment in Use 2 haul trucks, excavator, mini excavator, dozer, morook, smooth drum, loader (Pollard); skid steer, gator, fork lift (Hallaton)

Activities

0700 Crew arrive on-site
0730 Pollard continue clearing west portion of N side of landfill and placing gravel on benches.
0730 Hallaton complete test weld for turf completed- passed. Crew begins deploying turf.
0800 MRC arrive on-site
0820 MRC inspect test weld – passed. Hallaton begins welding turf.
0940 Hallaton bead two locations in Panel 55 down slope past 2nd bench in middle of slope.
0955 Hallaton vacuum test beaded locations in Panel 55. Passed.
1125 light rain on site.
1200 Hallaton break for lunch
1250 rain stops
1300 Hallaton begin work again.
1340 2nd Hallaton crew arrives on-site (10 more, total of 20 for Hallaton)
1400 begin using 2nd welder. Test weld completed, passed.
1645 Hallaton stop placing turf for day. Begin clean up.
1710 MRC offsite
1800 crew offsite

Panels Placed: NA

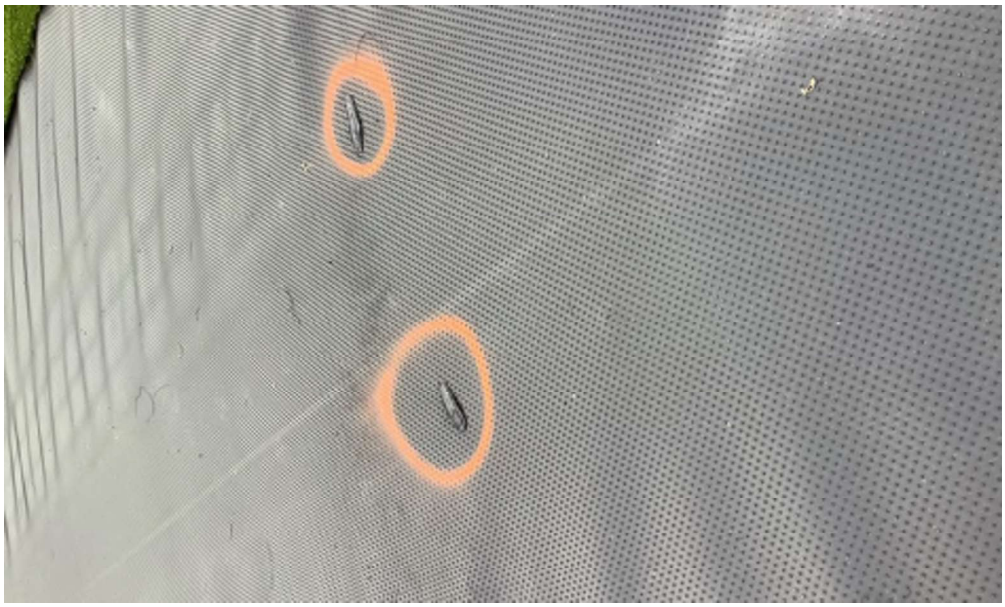
Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:** 73,050/239,056

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0800 **(Depart)** 1710

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector _____



DAILY FIELD ACTIVITIES REPORT

Date 06/11/2022 **Day of Week** Saturday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy **Temp Low** 67 **High** 85 **Wind** 3 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 2 (Pollard)

Other Representatives Onsite NA

Equipment in Use Excavator (Pollard); Skid steer, gator, fork lift (Hallaton)

Activities

0700 Crew arrive on-site
0730 Hallaton complete test weld for turf completed- passed. Crew begins deploying turf.
0730 Pollard continue grading anchor trench on N end.
0805 MRC arrive on-site
0820 MRC inspect test weld – passed. Hallaton begins welding turf.
0835 MRC inspect beaded locations identified by State – good.
1145 Hallaton break for lunch.
1200 MRC offsite.

Panels Placed: NA

Daily/Total Sqft Liner: NA/396,396

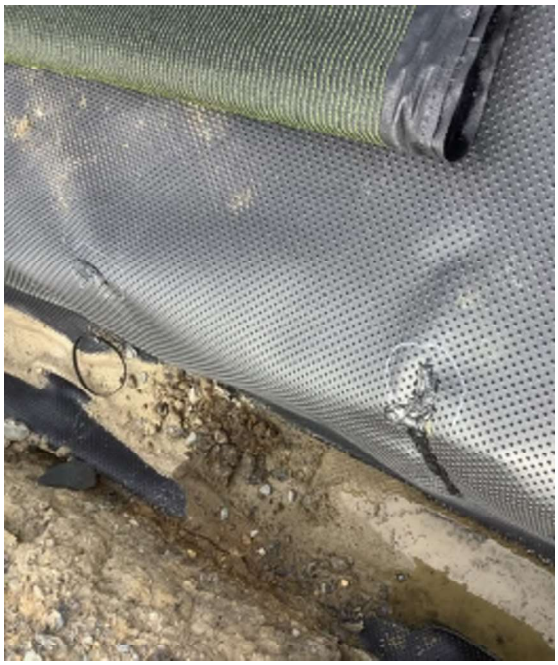
Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0805 **(Depart)** 1200

Contractor: **(Arrive)** 0700 **(Depart)** 1700

Inspector _____


R-66



DAILY FIELD ACTIVITIES REPORT

Date 06/13/2022 **Day of Week** Monday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy, **HEAT ADVISORY** **Temp Low** 84 **High** 97 **Wind** 9 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Excavator, haul truck, dozer, mini excavator, gator (Pollard); Skid steer, gator, fork lift (Hallaton)

Activities

0700 Crew arrive on-site
0730 Hallaton complete test weld for turf completed- passed. Crew begins deploying turf.
0730 Pollard continue grading anchor trench on N end.
0805 MRC arrive on-site
0820 MRC inspect test weld – passed. Hallaton begins welding turf.
1145 Hallaton break for lunch.
1200 MRC offsite – half day due to Hallaton only placing turf.

Panels Placed: NA

Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:**

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0805 **(Depart)** 1200

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector _____

DEERE

DAILY FIELD ACTIVITIES REPORT

Date 06/14/2022 **Day of Week** Tuesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy, **HEAT ADVISORY** **Temp Low** 82 **High** 97 **Wind** 5 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Excavator, haul truck, dozer, mini excavator (Pollard); Skid steer, gator, fork lift (Hallaton)

Activities

0700 Crew arrive on-site
0730 Hallaton complete test weld for turf completed- passed. Crew begins deploying turf.
0730 Pollard continue grading and clearing N end.
0805 MRC arrive on-site
0820 MRC inspect test weld – passed. Hallaton begins welding turf.
1145 Hallaton break for lunch
1200 MRC offsite - half day due to Hallaton only placing turf.

Panels Placed: NA

Daily/Total Sqft Liner: NA/396,396 **Daily/Total Sqft Turf:**

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0805 **(Depart)** 1200

Contractor: **(Arrive)** 0700 **(Depart)** 1700

Inspector _____


HALLATON
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DAILY FIELD ACTIVITIES REPORT

Date 06/15/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny, **HEAT ADVISORY** **Temp Low** 77 **High** 96 **Wind** 1 mph SSW

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Excavator, haul truck, dozer, mini excavator (Pollard); Skid steer, gator, fork lift (Hallaton)

Activities

0700 - Crew and MRC arrive on-site. Crew begins preparing to deploy geomembrane on west side of N slope.
0800 - Trial welds for seaming and repairs – passed.
1145 – Crew break for lunch
1300 – Crew back from lunch.
1340 – Trial welds for seaming and repairs – passed. Resume deploying geomembrane.
1530 – Hallaton finishes deploying liner for day. Begin clean up on slopes.
1600 – Hallaton offsite.
1635 – MRC offsite.

Panels Placed: 78 - 99

Daily/Total Sqft Liner: 120,566/516,962 **Daily/Total Sqft Turf:** NA/396,396

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1630

Contractor: **(Arrive)** 0700 **(Depart)** 1600

Inspector _____


HALLATON

DAILY FIELD ACTIVITIES REPORT

Date 06/16/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny, **HEAT ADVISORY** **Temp Low** 81 **High** 95 **Wind** 3 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Excavator, haul truck, dozer, mini excavator (Pollard); Skid steer, gator, fork lift (Hallaton)

Activities

0700 - Crew and MRC arrive on-site. Hallaton begins preparing to deploy geomembrane on west side of N slope. Pollard grading west portion of N slope ahead of Hallaton.

0740 – Test trial welds for seaming and repairs – passed. Begin seaming activities

1145 – Hallaton break for lunch.

1300 – Hallaton back from lunch.

1315 – Test trial fusion and extrusion welds – passed. Resumed seaming activities including repairs.

1540 – Test destructs 20, 21, 22, and 23 – passed.

1615 – Finished deploying liner for day, crew begin clean up.

1715 – Crew and MRC offsite – MRC to FedEx to ship destructs.

Panels Placed: 100 - 119

Daily/Total Sqft Liner: 96,508/613,470 **Daily/Total Sqft Turf:** NA/396,396

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1715

Contractor: **(Arrive)** 0700 **(Depart)** 1715

Inspector _____

DAILY FIELD ACTIVITIES REPORT

Date 06/17/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Cloudy, thunderstorms **Temp Low** 70 **High** 79 **Wind** 16 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use NA

Activities

0700 - Crew and MRC arrive on-site. Thunderstorms begin – lightning seen, wait for storm to pass.

0815 – site too wet from thunderstorms to continue work for day. MRC and crew offsite when storm dies down.

0845 – storm dies down. MRC and crew offsite.

Panels Placed: NA

Daily/Total Sqft Liner: NA/613,470 **Daily/Total Sqft Turf:** NA/396,396

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 0845

Contractor: **(Arrive)** 0700 **(Depart)** 0845

Inspector _____

DAILY FIELD ACTIVITIES REPORT

Date 06/18/2022 **Day of Week** Saturday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 75 **High** 82 **Wind** 10 mph SW

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton)

Other Representatives Onsite NA

Equipment in Use Gator (Hallaton)

Activities

0700 – Crew and MRC arrive on-site. Due to wet site conditions only repairs and vacuum testing occurring on liner to prepare for state inspection on Monday. No additional liner being deployed.

0800 – Trial for extrusion welds – passed. Hallaton begin seaming activities

0900 – Destructs 24, 25, 26, & 27 cut and tested – passed field test.

1130 – MRC offsite to ship destructs.

1200 – Hallaton break for lunch

1300 – Hallaton back from lunch. Trial for extrusion weld – passed.

1415 – Hallaton finish seaming activities for day.

1530 – Hallaton offsite.

Panels Placed: NA

Daily/Total Sqft Liner: NA/613,470 **Daily/Total Sqft Turf:** NA/396,396

Description of Conversations/Conflicts/Issues and Action Taken

Turf installation may begin again starting Monday after pending state inspection.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1130

Contractor: **(Arrive)** 0700 **(Depart)** 1530

Inspector _____


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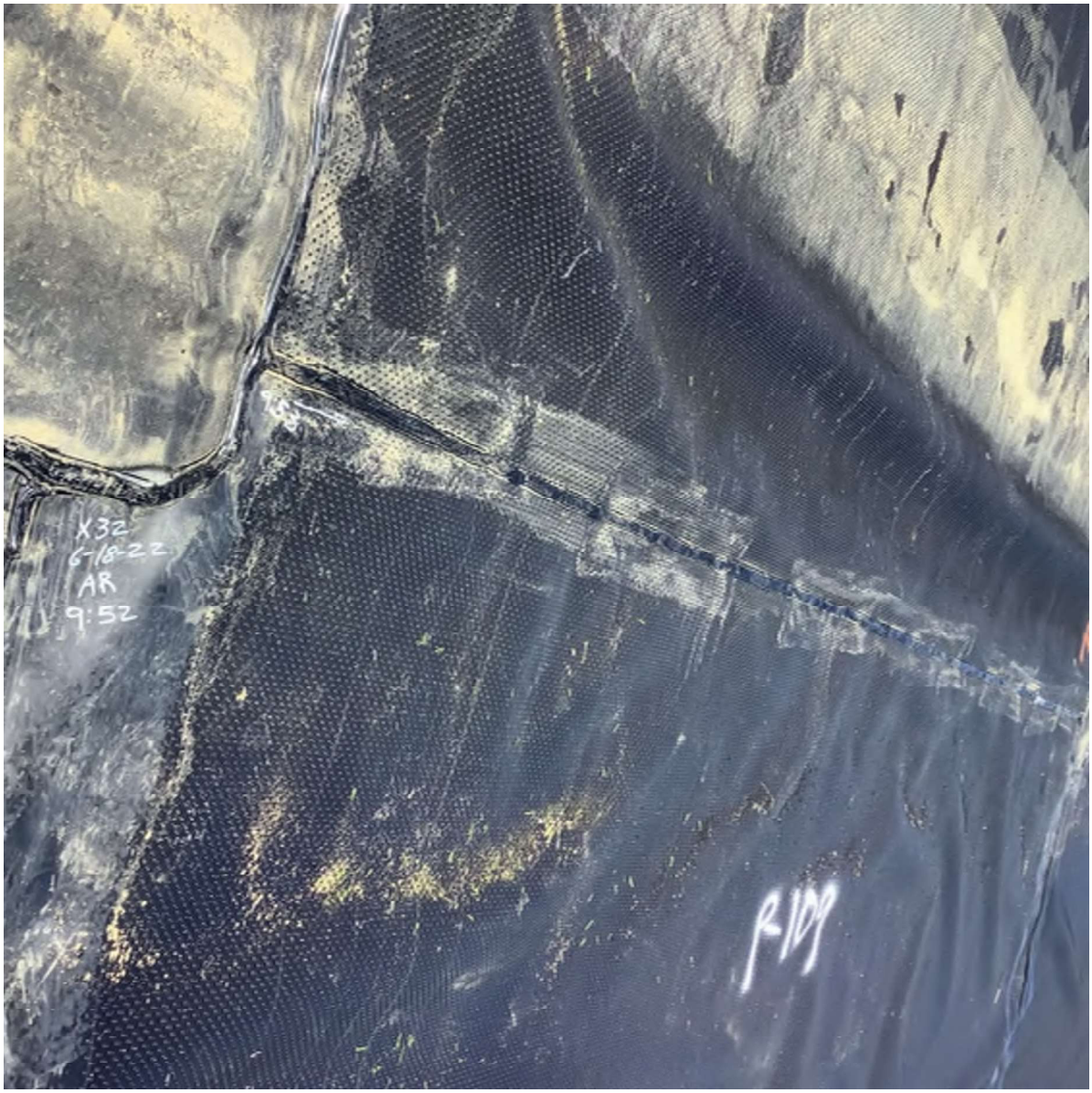
R-144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R-109

DAILY FIELD ACTIVITIES REPORT

Date 06/20/2022 **Day of Week** Monday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 62 **High** 89 **Wind** 1 mph SE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 5 (Pollard)

Other Representatives Onsite Mohammed Razavi (State of KY)

Equipment in Use Gator, forklift, (Hallaton); dozer, haul truck (2), excavator (Pollard)

Activities

0700 – Crew and MRC arrive on-site. Pollard reworking W face after rain event. Hallaton to repair bottom of placed turf due to past rain event until state inspection to okay additional turf installation. Liner placement to begin again tomorrow.

0800 – Hallaton begin repairs. Trial test for turf – passed.

1045 – State on-site, begin inspection.

1120 – Inspection complete – passed.

1200 – Hallaton break for lunch. MRC offsite for half day due to only turf installation occurring.

Panels Placed: NA

Daily/Total Sqft Liner: NA/613,470 **Daily/Total Sqft Turf:** NA/396,396

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1200

Contractor: **(Arrive)** 0700 **(Depart)** 1700

Inspector _____

DAILY FIELD ACTIVITIES REPORT

Date 06/21/2022 **Day of Week** Tuesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 66 **High** 93 **Wind** 1 mph S

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Gator, forklift, (Hallaton); dozer, haul truck (2), excavator (Pollard)

Activities

0700 – Crew and MRC arrive on-site. Pollard continue reworking bottom of W face after rain event. Hallaton prepare to deploy liner.

0815 – Test trial welds – passed. Hallaton begin seaming activities.

1200 – Hallaton break for lunch.

1300 – Hallaton back from lunch. Prepare to begin deploying liner again.

1325 – Test trials welds – passed. Hallaton begin seaming activities again.

1645 – Hallaton finish placing panels for day. Begin site clean up.

1745 – MRC offsite.

1800 – Hallaton offsite.

Panels Placed: 120 – 146

Daily/Total Sqft Liner: 152,237/765,707 **Daily/Total Sqft Turf:** NA/441,361

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1745

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector 

DAILY FIELD ACTIVITIES REPORT

Date 06/22/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear, **HEAT ADVISORY** **Temp Low** 73 **High** 96 **Wind** 5 mph E

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Gator, forklift, (Hallaton); dozer, haul truck (2), excavator (Pollard)

Activities

0700 – Crew and MRC arrive on-site. Pollard continue reworking bottom of W face. Hallaton prepare to begin repairs and air testing on placed liner.

0820 – Test trial welds - passed. Hallaton begin repair seams.

1200 – Hallaton break for lunch.

1300 – Hallaton back from lunch. Prepare to deploy liner for afternoon.

1340 – Trial welds – passed. Hallaton begin seaming activities

1410 – Test destructs 28, 29, 30, 31, & 32 – passed.

1700 – Hallaton finish laying panels for day. MRC offsite to ship destructs.

1800 – Hallaton offsite.

Panels Placed: 147 – 157

Daily/Total Sqft Liner: 51,704/817,411 **Daily/Total Sqft Turf:** NA/441,361

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1700

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector _____

DAILY FIELD ACTIVITIES REPORT

Date 06/23/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 74 **High** 88 **Wind** 7 mph S

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite NA

Equipment in Use Gator, forklift, (Hallaton); dozer, haul truck (2), excavator, smooth drum (Pollard)

Activities

0700 – Crew and MRC arrive on-site. Pollard continue reworking bottom of NW corner. Hallaton prepare to begin repairs and air testing on placed liner.

0810 – Pollard begin clearing top area.

0825 – Extrusion trial welds - passed. Hallaton begin repairs and seaming activities.

0900 – Hallaton begin placing panels on bottom of NW corner.

0930 – Fusion trial welds – passed.

1200 – Hallaton break for lunch

1300 – Hallaton back from lunch.

1340 – Test trial welds – begin seaming and repair activities for afternoon.

1530 – Test additional extrusion trail weld – passed.

1545 – Test destructs 33, 34, 35, 36, 37 & 38 – passed.

1715 – MRC offsite to ship destructs.

1800 – Hallaton offsite.

Panels Placed: 158 - 174

Daily/Total Sqft Liner: 37,586/854,997 **Daily/Total Sqft Turf:** NA/441,361

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1715

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector _____

Megan Carlin

DAILY FIELD ACTIVITIES REPORT

Date 06/24/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy **Temp Low** 66 **High** 93 **Wind** 5 mph W

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 5 (Pollard)

Other Representatives Onsite State of KY, Air Pump East, Watershed Geo

Equipment in Use Gator, forklift, (Hallaton); dozer, haul truck (2), excavator, smooth drum (Pollard)

Activities

0700 – Crew and MRC arrive on-site. Pollard grade W slope. Hallaton prepare to begin outstanding testing on placed liner in preparation for state inspection.

0820 – Trial welds for extrusion- passed. Hallaton begin seaming activities and vacuum testing.

0950 – State on-site for inspection of panels 117 – 174.

1025 – State offsite – inspection passed.

1045 – Hallaton prepares to place liner in afternoon.

1110 – Air Pump East and Watershed Geo on-site. Prepping equipment for sand application on Saturday (6/25) for turf.

1145 – Hallaton break for lunch.

1245 – Hallaton back from lunch.

1300 – Air Pump East and Watershed Geo offsite.

1320 – Hallaton begin to deploy liner on W slope.

1330 – Trial welds – passed. Hallaton begin seaming activities on deployed liner.

1700 – Hallaton finish deploying liner for day.

1715 – MRC offiste.

1800 – Hallaton offsite.

Panels Placed: 175 – 186

Daily/Total Sqft Liner: 76,659/931,656 **Daily/Total Sqft Turf:** NA/441,361

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1715

Contractor: **(Arrive)** 0700 **(Depart)** 1800

Inspector _____

Megan Carlin

DAILY FIELD ACTIVITIES REPORT

Date 06/25/2022 **Day of Week** Saturday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy **Temp Low** 72 **High** 94 **Wind** 4 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton) 2 (Pollard) 4 (Air Pump East)

Other Representatives Onsite

Equipment in Use Gator, forklift, (Hallaton); haul truck, excavator (Pollard) blower truck (Air Pump East)

Activities

0700 – Crew and MRC arrive on-site. Pollard loading sand into truck for Air Pump East sand application. Hallaton prepare to deploy liner on W slope to drainage grate.

0800 – Trial welds - passed. Hallaton begin seaming activities.

0825 – Test destructs 39, 40, 41 – passed.

1010 – Hallaton finish deploying liner for day.

1045 – Hallaton finish fusion seaming activities. Begin placing sandbags for anchor trench.

1100 – Trial for extrusion welding – passed.

1115 – MRC offsite to ship destructs.

1400 – Hallaton offsite.

Panels Placed: 187 - 192

Daily/Total Sqft Liner: 38,591/970,247 **Daily/Total Sqft Turf:** NA/441,361

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1200

Contractor: **(Arrive)** 0700 **(Depart)** 1400

Inspector _____

Megan Carlin

DAILY FIELD ACTIVITIES REPORT

Date 07/07/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Cloudy, chance of rain, **HEAT ADVISORY** **Temp Low** 78 **High** 89 **Wind** 6 mph SW

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 6 (Pollard) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, (Hallaton); haul truck (2), excavator (2), dozer, mini-excavator (Pollard) small haul truck, blower truck (Air Pump East)

Activities

0700 – Crew and MRC arrive on-site. Pollard grading W slope for flume. Hallaton continue turf installation and repairs on liner. Air Pump East continue blowing sand into turf on N slope.

0800 – Trial weld and destruct testing DS42 & DS43 – passed. Hallaton begin seaming activities.

0900 – Hallaton finish repair activities for day. All crew work on turf installation.

1200 – Hallaton break for lunch.

1300 - Hallaton back from lunch.

1330 – Hallaton begin cleaning up turf installation. Will continue to place sandbags on slopes. No more seaming activities for the day.

1400 – MRC offsite due to no more liner activity and to ship destructs.

1330 – Hallaton begin cleaning up turf installation. Will continue placing sandbags on slopes. No more seeming activities for day.

1345 – mrc offsite to ship destructs and due to no liner activity.

Panels Placed: NA

Daily/Total Sqft Liner: NA/970,247 **Daily/Total Sqft Turf:** NA/854,580

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with John –The state unable to be onsite for inspection of panels 175 – 192 until Monday. Hallaton plans on lining flume on E side after Pollard finishes grading tomorrow and then installing turf after Monday.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1400

Contractor: **(Arrive)** 0700 **(Depart)** 1700

Inspector _____

Megan Carlin

DAILY FIELD ACTIVITIES REPORT

Date 07/08/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Partly cloudy, chance for rain **Temp Low** 75 **High** 95 **Wind** 2 mph W

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 6 (Pollard) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, (Hallaton); haul truck (2), excavator (2), dozer (Pollard) blower truck, small haul truck (Air Pump East)

Activities

0700 – Crew and MRC arrive on-site. Pollard continue grading flume area on E side. Site subgrade saturated due to rain in afternoon on Thursday (07/07/2022). Hallaton to fill sandbags. No liner work occurring today.

0815 – MRC offsite due to no liner activity.

Panels Placed: NA

Daily/Total Sqft Liner: NA/970,247 **Daily/Total Sqft Turf:** NA/854,580

Description of Conversations/Conflicts/Issues and Action Taken

Plan for next few days with the rain is that Hallaton will be off tomorrow and Sunday and will begin installing turf on panels 175 – 192 after State inspection. Pollard will continue grading E flume area after rain events. Liner installation will begin tentatively on Tuesday.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 0815

Contractor: **(Arrive)** 0700 **(Depart)**

Inspector _____

Megan Carlin

DAILY FIELD ACTIVITIES REPORT

Date 07/11/2022 **Day of Week** Monday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Clear **Temp Low** 69 **High** 91 **Wind** 5 mph NE

Contractor Hallaton **Superintendent** Homero (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 6 (Pollard) 5 (Air Pump East)

Other Representatives Onsite Air Pump East, State of KY

Equipment in Use Gator, forklift, (Hallaton); haul truck (2), excavator (2), dozer, mini-excavator (Pollard) blower truck, small haul truck (Air Pump East)

Activities

0700 – Crew and MRC arrive on-site. Pollard continue grading flume area on E side. Air Pump East continue to blow sand into deployed turf. Site subgrade saturated due to rain over weekend. State expected on-site to inspect panels 175 – 192. After inspection turf will be deployed.

1045 – State arrive on-site (Muhammad & John)

1150 – State finished inspection – passed. State offsite.

1200 – Hallaton break for lunch. Will begin deploying turf after lunch.

1215 – MRC offsite due to deployment of turf in afternoon.

Panels Placed: NA

Daily/Total Sqft Liner: NA/970,247 **Daily/Total Sqft Turf:**

Description of Conversations/Conflicts/Issues and Action Taken

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1215

Contractor: **(Arrive)** 0700 **(Depart)**

Inspector _____

Megan Carlin


R-28

DAILY FIELD ACTIVITIES REPORT

Date 07/12/2022 **Day of Week** Tuesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Cloudy, chance of rain **Temp Low** 78 **High** 88 **Wind** 6 mph SW

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 6 (Pollard) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, forklift 2 (Hallaton); haul truck (2), excavator (2), dozer, mini-excavator (Pollard) small haul truck, blower truck (Air Pump East)

Activities

0700 – Crew and MRC and ARB arrive on-site. Pollard grading E slope south of flume. Hallaton to deploy liner on east slope north flume area. Air Pump East continue blowing sand into turf on N slope.

0800 – Trial weld for M88 and M89– passed. Hallaton begin deploying liner

01130 – Hallaton begin seaming

1200 – Hallaton break for lunch.

1300 - Hallaton back from lunch.

1330 – Hallaton deploys liner

1400 – Trial Weld for M88 and M89- passed. Hallaton begin seaming and continue to deploy liner.

1500- John signs subgrade acceptance form for 7/12/22

1700 – Hallaton finish deploying liner and clean up on liner. Hallaton crew place sandbags around the edges.

1730 – arb offsite due to no liner activity and iPad battery dying. Hallaton leaves site for the day.

Panels Placed: 193-202

Daily/Total Sqft Liner: 56,541 /1,026,788 **Daily/Total Sqft Turf:** As of 7/11 evening turf placed up to panel 181

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with John –Wants to get as much of the liner covered with turf as possible so they can get stone laid before rain moves in later this week.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1730

Contractor: **(Arrive)** 0700 **(Depart)** 1730

Inspector _____

Alexis Barber


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DAILY FIELD ACTIVITIES REPORT

Date 07/13/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 62 **High** 87 **Wind 4 mph S**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 6 (Pollard) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, forklift 2, (Hallaton); haul truck (2), excavator, soil compactor, dozer, mini-excavator (Pollard) small haul truck, blower truck, excavator(Air Pump East)

Activities

0700 – Hallaton and ARB arrive on-site. Pollard grading E slope south of flume. Air Pump East continue blowing sand into turf on NW slope.

0730- Hallaton tying in liner on E side of site that was deployed on 7/12/22. Crew setting up equipment for the day.

0800 – John discusses plan for the rest of the week with ARB. Hallaton performs trial weld with extrusion gun.

0830 – Extrusion weld tests performed by Pablo, pass. Hallaton begins seaming.

0915- John signs subgrade acceptance form.

1000- Hallaton lays liner near drainage pipes at bottom of flume on E End of site.

1200 – Hallaton break for lunch.

1300 - Hallaton back from lunch.

1330 – Hallaton deploys liner on E end of site, S of flume.

1400 – Trial Weld for M88 and M89- passed. Hallaton begin seaming and continue to deploy liner.

1500- John signs subgrade acceptance form for 7/12/22

1700 – Hallaton finish deploying liner and clean up on liner. Hallaton crew place sandbags around the edges.

1730 – arb offsite due to no liner activity and iPad battery dying. Hallaton finishing placing sandbags at bottom of E end of site.

Panels Placed: 206-209

Daily/Total Sqft Liner: 20,010 /1,046,798 **Daily/Total Sqft Turf:** No turf placed today

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with John- as possible so they can get stone laid before rain moves in later this week.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1730

Contractor: **(Arrive)** 0700 **(Depart)** 1730

Inspector _____

Alexis Barber

P-193

DAILY FIELD ACTIVITIES REPORT

Date 07/14/2022 **Day of Week** Thursday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 63 **High** 90 **Wind 5 mph SE**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 2 (Pollard) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, forklift 2, (Hallaton); haul truck (2), mini-excavator, haul truck (Pollard) small haul truck, blower truck, excavator(Air Pump East)

Activities

0700 – Hallaton and ARB arrive on-site. Pollard making small corrections to subgrade. Air Pump East continue blowing sand into turf on NW slope.

0730- Hallaton deploying liner on E side, South of Flume.

0830 – Extrusion weld tests performed by Pablo, pass. Hallaton begins seaming.

1000- Hallaton continues to lay liner South of flume on E End of site.

11:45- Hallaton marks trench lines at top of site.

1200 – Hallaton break for lunch.

1300 - Hallaton back from lunch.

1345– Hallaton performs trial welds for M88 and M89, both pass.

1400 – Hallaton signs subgrade acceptance form, John discusses plan for rest of week.

1630 – Hallaton finish deploying and seaming liner. Hallaton crew place sandbags around the edges.

1700- Hallaton cleaning up site, removing pieces of trash left on liner.

1715 – arb offsite due to no liner activity and iPad battery dying. Hallaton finishing placing sandbags at bottom of E end of site.

Panels Placed: 212-226

Daily/Total Sqft Liner: 11,385 /1,058,183 **Daily/Total Sqft Turf:** No turf placed today

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with John- crew is going to lay liner from south end working north to meet existing laid liner where they will then make corrections, air tests, and destructions after getting all the subgrade covered. Hallaton will detail the liner around the piping at bottom of flume on Saturday. Going to push back state inspection until mid next week due to weather.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1730

Contractor: **(Arrive)** 0700 **(Depart)** 1730

Inspector _____

Alexis Barber

DAILY FIELD ACTIVITIES REPORT

Date 07/15/2022 **Day of Week** Friday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 66 **High** 90 **Wind 2 mph NE**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton) 4 (Air Pump East)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, forklift, forklift 2, (Hallaton); small haul truck, blower truck, mini excavator, excavator(Air Pump East)

Activities

0700 – Hallaton and ARB arrive on-site. Air Pump East continue blowing sand into turf on NW slope.

0730- Hallaton deploying liner on E side, South of Flume in front of leachate pond.

0745- Hallaton performs trial welds.

0800- Hallaton performs trial welds test for M88 and M89- pass

0830 – Extrusion weld tests performed by Pablo, pass. Hallaton begins seaming.

1000- Hallaton continues to lay liner South of flume on E End of site.

1200 – Hallaton break for lunch.

1300 – Hallaton Crew 2 arrive on site.

1315- Hallaton back from lunch.

1345– Hallaton performs trial welds for M88 and M89, both pass.

1400 – Hallaton deploys and seams liner.

1700- Hallaton finishes seaming liner. Hallaton crew place sandbags around the edges.

1715- Hallaton cleaning up site, removing pieces of trash left on liner.

1730 – arb offsite due to no liner activity. Hallaton finishing placing sandbags at bottom of E end of site.

Panels Placed: 227-243

Daily/Total Sqft Liner: 82,011 /1,140,194 **Daily/Total Sqft Turf:** No turf placed today

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with Pablo- will perform destructs tomorrow, work on detailing liner, and finishing work around drainage pipe at the bottom of the flume on the E end of site.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1730

Contractor: **(Arrive)** 0700 **(Depart)** 1730

Inspector _____

Alexis Barber


R224

DAILY FIELD ACTIVITIES REPORT

Date 07/16/2022 **Day of Week** Saturday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 73 **High** 91 **Wind 9 mph N**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 10 (Hallaton)

Other Representatives Onsite Air Pump East

Equipment in Use Gator, Kubota, forklift, forklift 2, (Hallaton)

Activities

0700 – Hallaton and ARB arrive on-site. Air Pump East continue blowing sand into turf on NW slope.
0730- Hallaton sets up equipment.
0745- Hallaton performs trial welds.
0800- Hallaton performs trial welds test for X24, X8, X35, X32, M89
0830 – Extrusion and fusion weld tests performed by Pablo, pass. Hallaton begins seaming.
0930- Hallaton begins detailing the pipe area at bottom of the flume.
1000- Hallaton continues to seam and make corrections around the bend S of the flume on the E side of site.
1200 – Hallaton break for lunch.
1300- Hallaton crews back from lunch.
1400– Hallaton performs trial welds for X9, X24, X32, X35
1400 – Hallaton continues to seam liner and detail the pipe area at the bottom of the flume.
1600- Hallaton cleans up site and ends seaming liner for the day.
1615- Hallaton places dirt in trenches at top of site to hold liner in place.
1645- Hallaton leaves Site.
1700– arb leaves site.

Panels Placed: P244-245 (unaccounted for on 7/15/22)

Daily/Total Sqft Liner: 85,564.5 /1,229,312 **Daily/Total Sqft Tur:** No turf placed today

Description of Conversations/Conflicts/Issues and Action Taken

Conversation with Pablo- will finish seaming and detailing work on Monday, will also do destruct tests on Monday.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1700

Contractor: **(Arrive)** 0700 **(Depart)** 1645

Inspector _____

Alexis Barber

DAILY FIELD ACTIVITIES REPORT

Date 07/18/2022 **Day of Week** Monday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 68 **High** 85 **Wind 2 mph NE**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton)

Other Representatives Onsite

Equipment in Use Gator, Kubota, forklift, forklift 2, (Hallaton)

Activities

0700 – Hallaton and ARB arrive on-site.
0730- Hallaton sets up equipment.
0800- Hallaton performs trial welds.
0830- Hallaton performs trial welds test for X24, X32- both pass
0830 – Hallaton begins seaming cross seams at panel intersections.
0930- Hallaton begins detailing liner.
1000- Hallaton continues to seam and detail liner.
1200 – Hallaton break for lunch.
1300- Hallaton crews back from lunch.
1330– Hallaton performs trial welds for X24, X32
1400 – Hallaton tests trial welds for X24, X32- both pass. Crew resumes seaming work.
1500- Hallaton and ARB begin destruct tests.
1530- Crew cleanes up trash and debris from liner.
1600- Hallaton and ARB finish destruct testing, all pass. Hallaton begins deploying turf on W side of site.
1630- ARB leaves site to ship destructs.

Panels Placed: No panels places today.

Daily/Total Sqft Liner: 0 /1,229,312 **Daily/Total Sqft Tur:**

Description of Conversations/Conflicts/Issues and Action Taken

Pollard and Air East did not work today due to muddy conditions on site. John said he is going to have Pollard focus on laying stone around the benches the rest of the week. He notified Travis today that the state needs to come inspect on Wednesday of this week. After state inspection, crew will begin deploying turf Wednesday afternoon through the rest of the week. John said he needs to keep an eye on the weather forecast for next week before telling Pollard how much subgrade to prep on the E side of site near lechate pond.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1630

Contractor: **(Arrive)** 0700 **(Depart)** 1730

Inspector _____

Alexis Barber

8-30

DAILY FIELD ACTIVITIES REPORT

Date 07/20/2022 **Day of Week** Wednesday

Project Name BREC Wilson Station CCR Landfill Closure

Project Number 142697 **Client** Big Rivers Electric Corporation

Project Location Centertown, KY

Weather Sunny **Temp Low** 74 **High** 96 **Wind 9 NE**

Contractor Hallaton **Site Overseer** John (Hallaton), David (Pollard) **Labor On Site** 20 (Hallaton), 4 (Pollard), 4 Air Pump East

Other Representatives Onsite

Equipment in Use Gator, Kubota, forklift, forklift 2, (Hallaton) Stone Hauler, Gator, forklift (Pollard), small haul truck, blower truck, excavator(Air Pump East)

Activities

0700 – ARB arrive on-site, taking final notes before inspection.

0700- Air Pump East blowing sand onto bottom NW corner.

0700- Pollard laying stone on W side turf.

0800- Hallaton crew arrives on site.

0830 – Hallaton continues turf work on W side.

1015- 2 Inspectors from the State of KY arrive on site to check liner that has been deployed and seamed on E side of site, both N and S of flume.

1100- Hallaton and ARB walk liner with state inspectors.

1215- State inspectors clear the liner and give approval to start laying turf down.

1215- Hallaton and ARB breaks for lunch.

1315 – Hallaton and ARB back from lunch.

1330-Hallaton begins deploying turf on E side of site around the flume.

1400- Turf Manufacturer, Geowatershed, on site to check turf progress.

1630- Geowatershed off site.

1730- Hallaton working on connecting new turf to previously laid turf N of flume on E side.

1745- ARB offsite due to no liner activity.

1745- Hallaton leaves site.

Panels Placed: No panels places today.

Daily/Total Sqft Liner: 0 /1,229,312 **Daily/Total Sqft Tur:** 7/18/22-7/19/22: 62,872 sq ft 7/20/22: 44,890 sq ft

T**otal Turf sq ft:** 962,342 sq ft

Description of Conversations/Conflicts/Issues and Action Taken

State Inspectors said turf looked good and gave approval to start laying turf. Their only questions were about the piezometers on site which Travis verified for them. John confirmed that Th-Sat will be laying turf. Progress next week will depend on weather.

Inspector On Site: **(Arrive)** 0700 **(Depart)** 1745

Contractor: **(Arrive**) 0700 **(Depart)** 1745

Inspector 

Alexis Barber