TEMPORARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
CENTER TOWNSHIP
INDIANA COUNTY, PENNSYLVANIA

Prepared For:

Homer City Redevelopment LLC
1750 Power Plant Road
Homer City, PA 15748

Prepared By:

Civil & Environmental Consultants, Inc.
700 Cherrington Parkway
Moon Township, PA 15108

CEC Project 342-766.0001

June 2024
Revised July 2024

Table of Contents

1.0 INTRODUCTION **1**

2.0 BACKGROUND **2**

3.0 CLOSURE BY REMOVAL **3**

4.0 CLOSURE SAMPLING AND ANALYSIS **5**

5.0 EROSION AND SEDIMENT CONTROLS **7**

5.1 Rock Construction Entrance 7
5.2 Compost Filter Sock 7
5.3 Vegetative Stabilization 8
5.4 Erosion Control Blanket 8

6.0 GROUNDWATER MONITORING **10**

6.1 Groundwater Monitoring 10

7.0 SCHEDULE **12**

APPENDICES

Appendix A – Figures
Appendix B – E&S Controls Inspection Form

1.0 INTRODUCTION

On behalf of Homer City Redevelopment LLC, Civil & Environmental Consultants, Inc. (CEC) has prepared this Closure Plan for the temporary Ash Disposal Site (Disposal Site) located at the Homer City Generating Station in Indiana County, PA. The Disposal Site will be closed by removal and the ash will be placed in the on-site Coal Refuse Disposal Area (CRDA) in accordance with existing operations approved by the Pennsylvania Department of Environmental Protection (PADEP) Bureau of Mining Programs.

This Closure Plan addresses the following:

- Background;
- Closure by removal;
- Closure sampling and analysis;
- Erosion and sediment (E&S) controls;
- Groundwater monitoring; and
- Schedule

2.0 BACKGROUND

The Disposal Site is located to the east of the Station and to the south of the CRDA. The Disposal Site was used in 1980 for emergency ash disposal during a labor strike. The Disposal Site is approximately 12 acres and contains approximately 300,000 tons of fly ash and bottom ash. The design of the Disposal Site included Sedimentation Pond No. 1 (Pond 1) on the north and Sedimentation Pond No. 2 (Pond 2) on the south for managing stormwater runoff. Figure 1 provides the Site Location Map and Figure 2 provides the Site Aerial Map and are included in Appendix A.

A Closure Plan for the Disposal Site was approved by the PADEP in a letter dated April 30, 1981 and was included in the Consent Order Agreement (COA) dated August 9, 1982. The Disposal Site was closed with a soil cover. Closure of the site was completed about November 1981. The Disposal Site completed post-closure monitoring on June 9, 2011.

As part of the site redevelopment, the Disposal Site is planned to be excavated. Erosion and sediment (E&S) controls will be installed prior to excavation. The ash will be hauled to the CRDA and mixed with the coarse coal refuse being disposed by Rosebud Mining in accordance with Coal Refuse Disposal Facility Permit No. 32753702 issued on October 17, 1989. Stormwater discharges from the CRDA are permitted under NPDES Permit No. PA0235849. The ash placement will be performed in accordance with the terms and conditions of the permit.

3.0 CLOSURE BY REMOVAL

During waste removal, the following procedures will be followed:

- Existing E&S controls, including perimeter channels and the sedimentation ponds will be utilized.
- The limits of the Disposal Site will be established by excavating test pits.
- Compost filter sock or other erosion controls will be installed around the Disposal Site.
- Existing haul roads will be used to haul the material from the Disposal Site to the CRDA. The locations of the haul roads are shown on Figure 2. Additional roads may be constructed as needed. Dust controls such as watering will be implemented on the haul roads in accordance with the existing Title V permit requirements.
- Waste removal will occur in lifts from the top down. In the area of waste removal, the cover soil will be removed and used to construct a berm around the area to be excavated or will be stockpiled.
- A berm will be maintained around the perimeter of the excavation area to maintain contact water within the footprint of the excavation.
- Downslope areas will remain vegetated to limit impacts from stormwater runoff.
- If soil is stockpiled, compost filter sock or other erosion controls will be installed around the stockpile.
- The waste will be excavated and loaded into haul trucks.
- The waste will be hauled to the CRDA and placed with coarse coal refuse in accordance with existing permit requirements.
- All visible ash and visibly contaminated soils will be removed. Following excavation, confirmatory soil sampling of the in-situ soils will be performed to determine compliance with the Medium Specific Concentrations (MSCs) established in 25 Pa. Code Chapter 250, Administration of the Land Recycling Program (Act 2) as discussed in Section 4.0. If the in-situ soils exceed the Act 2 MSCs, additional soil will be excavated and resampled until the criteria are met. The excavated soils will also be placed in the CRDA.

- Following closure of the Disposal Site and establishment of vegetation, the existing sedimentation ponds will be decommissioned. Any visibly contaminated soils will be removed to the criteria presented in Section 4.0. Outlet structures will also be removed.

4.0 CLOSURE SAMPLING AND ANALYSIS

As stated above, all visible ash and visibly contaminated soils will be removed. Following removal of the ash and visibly contaminated soils, a hand-held X-Ray Fluorescence (XRF) unit, which allows for rapid field analyses of metals concentrations in soil, will be used to screen the soils remaining in place. The XRF screening will be used to guide the excavation and attempt to remove soils impacted by the historical ash disposal prior to collection of confirmatory samples for laboratory analyses.

At the completion of excavation, confirmatory samples will then be collected of the in-situ soils and submitted to a Pennsylvania-accredited laboratory for analyses of the parameters presented below. Soil samples will be collected in general accordance with the Pennsylvania Act 2 guidance, which bases the number of attainment samples required based on the volume of contaminated soil that is removed.

- For volumes of soil equal to or less than 125 cubic yards, at least 8 samples are required.
- For volumes up to 3,000 cubic yards, at least 12 samples are required.
- For each additional soil volume up to 3,000 cubic yards, an additional 12 samples are required.

Samples will be taken at random using a systematic random sampling protocol, such as that provided in PADEP's Spreadsheet of Systematic Random Sampling. It is estimated that approximately 0.5-foot of soil will be removed over the 12-acre area (approximately 10,000 cubic yards), which would require approximately 48 samples. Upon collection, samples will be placed in an iced cooler and submitted to a Pennsylvania-accredited laboratory for analyses of the following parameters using industry-accepted chain-of-custody procedures:

Arsenic	Copper	Selenium
Barium	Lead	Silver
Cadmium	Mercury	Zinc
Chromium	Nickel	

These constituents were selected based on past analyses that have shown that these are the typical constituents of concern present in fly ash and bottom ash generated at the Homer City Generating Station, and this list is consistent with previous closure plans including the 1999 Homer City Westside Drainage Pond Closure Plan and 2011 Homer City Generation Station Ash Pond Closure Plan.

Upon receipt of the laboratory analytical data, confirmatory soil samples will be tabulated and compared to the Act 2 Nonresidential, Used Aquifer (TDS ≤ 2,500 mg/L) direct-contact and soil-to-groundwater MSCs. In accordance with 25 PA Code §250.707(b)(1)(i), if more than 75% of the confirmatory samples are less than the MSC and no sample exceeds ten times the MSC; attainment will be demonstrated. If attainment is not demonstrated, additional soil excavation and confirmatory soil sample collection will be performed until attainment of the Act 2 MSCs are demonstrated.

5.0 EROSION AND SEDIMENT CONTROLS

Preservation of existing vegetation will serve as the primary E&S control during excavation. Prior to waste removal, the existing E&S controls will be re-established, including perimeter channels and the sedimentation ponds and will be utilized. Additional E&S controls will be used during the project to control sediment discharges from the site as described in the following sections. Figure 3 provides the E&S Control Plan and Figure 4 contains the details, which are included in Appendix A. Refer to Table 1 for an inspection and maintenance plan for the proposed E&S controls and Appendix B for the E&S Controls Inspection Form.

5.1 Rock Construction Entrance

A rock construction entrance will be constructed at the location where trucks will exit the Disposal Site to remove sediment from the truck tires. The rock construction entrance will be constructed to the dimensions shown on PA E&S Standard Construction Detail #3-1 and will be installed in accordance with the PADEP Erosion and Sediment Pollution Control Program Manual (PADEP E&S Manual). A culvert pipe is only required if the rock construction entrance crosses a roadside ditch to provide a means of conveying the flow past the entrance.

The rock construction entrance will be maintained to remove sediment from the tires by adding rock when necessary. Sediment deposited on the paved haul roads will be removed. Washing the roadways or sweeping the deposits into roadway ditches, sewers, culverts, or other drainage courses is not acceptable.

5.2 Compost Filter Sock

A 12-inch compost filter sock will be installed around the perimeter of the Disposal Site upslope of the perimeter channel prior to earth disturbance. Compost filter sock will also be installed around soil stockpiles if needed. The compost filter sock will meet the specifications and be installed in accordance with PA E&S Standard Construction Detail #4-1 and the PADEP Erosion and Sediment Pollution Control Program Manual (PADEP E&S Manual).

Filter socks will be placed parallel to the contour with at least 8-feet of both ends of the sock extended upslope at a 45 degree angle to the rest of the sock. Socks placed on earthen slopes will be anchored with stakes driven through the center of the sock or immediately downslope of the sock at intervals specified by the manufacturer. Traffic will not cross the filter socks. Accumulated sediment will be removed when it reaches half of the aboveground height of the sock and will be graded within the upgradient area or placed in the CRDA.

5.3 Vegetative Stabilization

After earth disturbance activities are completed, the disturbed areas will be vegetated with permanent vegetation or backfilled with aggregate in preparation for future site development. Areas will be revegetated in accordance with the recommendations in the PADEP E&S Manual. If final grade is achieved during non-germinating months, the area will be mulched until the beginning of the next planting season. Areas that are revegetated will be considered stabilized when there exists a minimum uniform 70% perennial vegetative cover, with a density capable of resisting accelerated erosion and sedimentation.

5.4 Erosion Control Blanket

Erosion control blankets will be used on slopes if needed. The erosion control blankets will be installed in accordance with PA E&S Standard Construction Detail #11-1 and the PADEP E&S Manual and will be installed in accordance with manufacturer's recommendations. If a rolled blanket is used, the area will be smooth and uniform and the blanket will be installed with continuous contact between the blanket and underlying soil. The slope surface will be free of rocks, clods, sticks, and grass. The blankets will be stapled in accordance with manufacturer's recommendations. The seed and soil amendments will be applied in accordance with the revegetation requirements. Blanketed areas will be inspected weekly and after each runoff event until perennial vegetation is established to a minimum uniform 70% coverage throughout the blanketed area. Damaged or displaced blankets will be restored or replaced within 4 calendar days.

Hydraulically applied blankets may also be used, but not in areas of concentrated flow. There is no need to smooth the surface prior to the application of hydraulically applied blankets. Some

roughening of the surface is preferable. Rocks greater or equal to 9-inches in any dimension and existing rills will be removed prior to application. Typically, the seed mix and soil amendments are applied first. After the seed mixture is applied, the fiber matrices should be applied in accordance with manufacturer's recommendations.

6.0 GROUNDWATER MONITORING

Groundwater quality at the site was previously monitored in accordance with the site Closure Plan.

6.1 Groundwater Monitoring

Groundwater monitoring wells and monitoring points were previously used to monitor the groundwater quality at the Disposal Site. The groundwater monitoring network consists of one upgradient monitoring well (TADSMP-14) and three downgradient monitoring points (TADSMP-15, TADSMP-16, and TADSMP-17). TADSMP-17 is a spring. Installation of the monitoring wells was completed April 26, 1985. The locations of the monitoring points are shown on Figure 2.

Prior to initiation of closure activities, a minimum of two samples will be collected from each monitoring point to establish a baseline for each of the parameters identified in Section 4.0 minus nickel (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver and zinc), as sampling for nickel has never been required at the Site. Samples will be collected a minimum two weeks apart. Upon collection, samples will be filtered in the field using a 0.45-micron sample filter and placed into pre-preserved laboratory sample containers for dissolved metals analyses. The monitoring wells (TADSMP-14, TADSMP-15, and TADSMP-16) will be re-developed prior to the first sampling event. TADSMP-17 will need to be evaluated in the field to confirm accessibility and the presence of flow prior to use as a monitoring point. After closure by removal, water quality monitoring will continue at the locations identified above for 2 years (8 quarters) to evaluate trends in the same parameters identified above (field-filtered/dissolved arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver and zinc) to determine if closure activities have impacted groundwater. Sample results will be provided to the PADEP each quarter using the PADEP's Form 14R.

At the completion of the 8 quarters of sampling, the complete dataset will be evaluated for the potential presence of groundwater impacts attributable to the closure by removal activities and for attainment of an applicable remediation standard as discussed below. If the data show stable and/or decreasing trends in monitored constituents and demonstrate attainment of an applicable remediation standard, monitoring will cease, a closure report will be prepared to document the

closure and sampling activities, including completion of a Form 19R – Certification of Facility Construction Activity, and a request for final closure certification will be made. If increasing trends are identified that are indicative of impacts from closure activities and it cannot be demonstrated that an applicable remediation standard has been attained, a plan to address the groundwater impacts will be developed and submitted to PADEP for review and approval. For the purposes of demonstrating attainment of an applicable standard, a demonstration will be made that one of the following remediation standards is met and maintained at the identified compliance points in accordance with 25 Pa Code § 287.342:

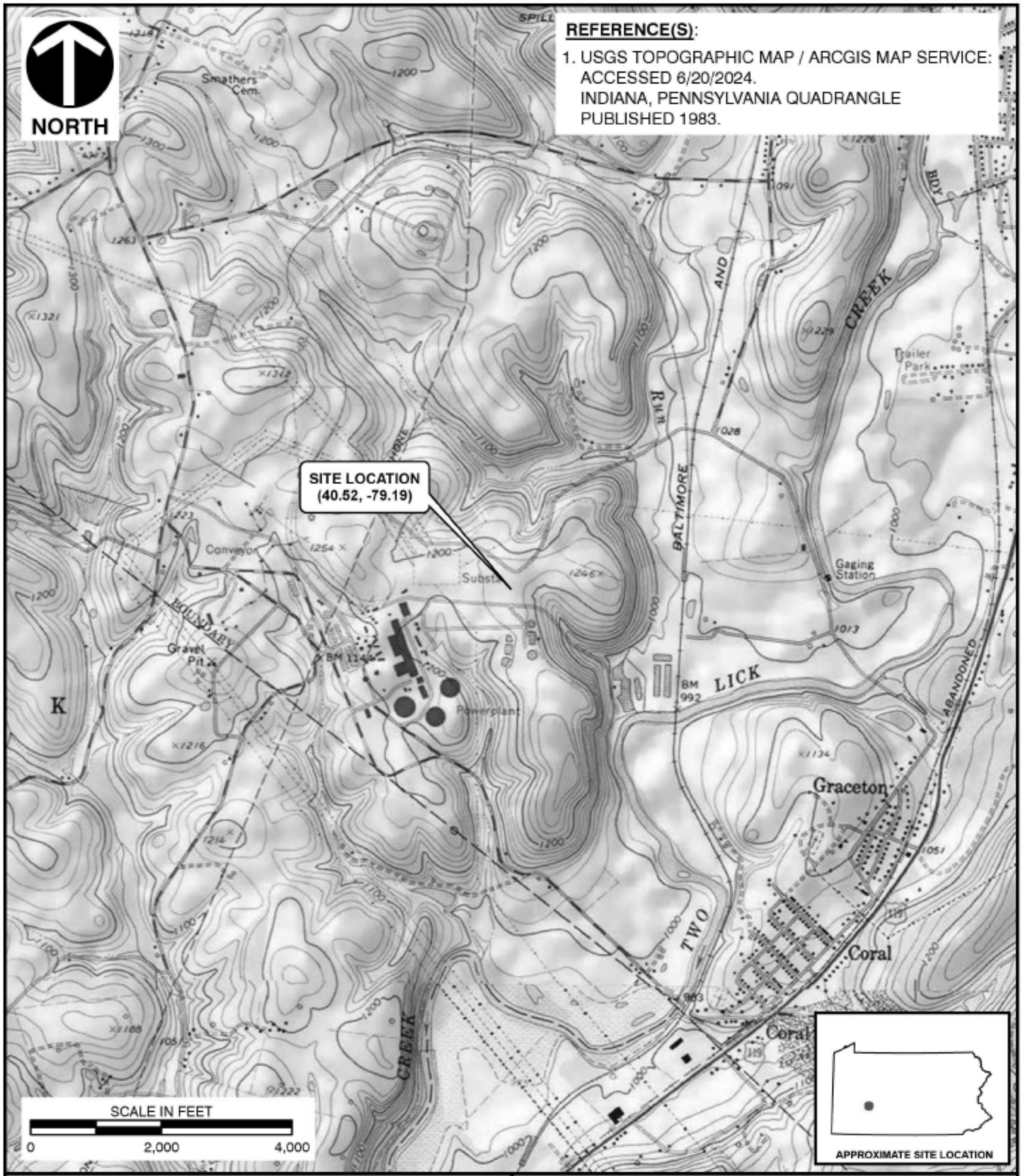
- The Statewide health standard at and beyond the property boundary.
- The background standard at each well selected to determine the extent of contamination, as identified in § 288.256(c)(1) or § 289.266(c)(1) (relating to groundwater assessment plan), or
- The site-specific standard at and beyond the property boundary.

7.0 SCHEDULE

Closure activities will be started as soon as possible after the Closure Plan is approved by the PADEP. It is anticipated that closure by removal will take approximately 3 to 4 months. After completion, a report will be submitted to the PADEP Bureau of Waste Management documenting closure activities and will include the results of soil and groundwater sampling and testing.

APPENDIX A

FIGURES



Civil & Environmental Consultants, Inc.

700 Cherrington Parkway
Moon Township, PA 15108

Ph: 412.429.2324 · 800.365.2324

www.cecinc.com

TEMPORARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
HOMER CITY REDEVELOPMENT LLC
CENTER TOWNSHIP, INDIANA COUNTY, PENNSYLVANIA

SITE LOCATION MAP

DRAWN BY:	ZAF	CHECKED BY:	AMR	APPROVED BY:	RJB*	FIGURE NO:	1
DATE:	6/20/2024	SCALE:	1"=2,000'	PROJECT NO:	342-766		

*Hand Signature on file

P:\340-000\342-766\-GIS\Maps\EN01_HomerCityStrikePile_Phase1\342766_EN01_HomerCityStrikePile_Phase1.aprx 6/20/2024 12:22 PM (ccyprych)

\\cecinc.com\global\Projects\340-000\342-766\-GIS\Maps\EN01_HomerCityStrikePile_Phase1\342766_EN01_HomerCityStrikePile_Phase1.aprx 6/26/2024 3:39 PM (slavin)

REFERENCES
1. ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: ACCESSED 6/26/2024, IMAGERY DATE: 2021.

LEGEND
- MONITORING POINTS
- HAUL ROAD FROM CRDA
- HAUL ROAD TO CRDA

Civil & Environmental Consultants, Inc.
700 Cherrington Parkway
Moon Township, PA 15108
Ph: 412.429.2324 · 800.365.2324
www.cecinc.com

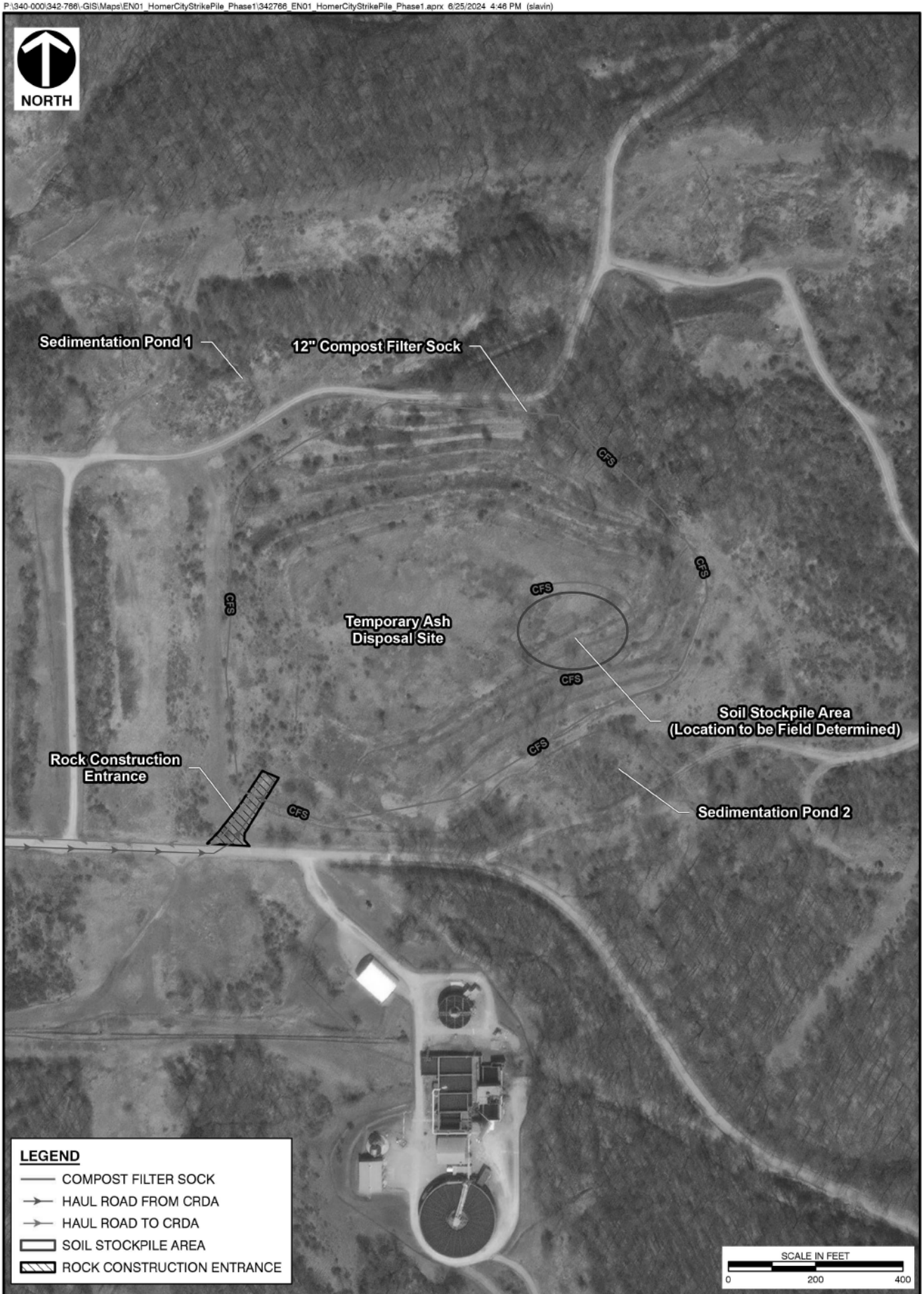
TEMPORARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
HOMER CITY REDEVELOPMENT LLC
CENTER TOWNSHIP, INDIANA COUNTY, PENNSYLVANIA

SITE AERIAL MAP

DRAWN BY:	ZAF	CHECKED BY:	AMR	APPROVED BY:	RJB*	FIGURE NO:	2
DATE:	6/26/2024	SCALE:	1"=600'	PROJECT NO:	342-766		

*Hard signature on file

P:\340-000\342-766\-GIS\Maps\EN01_HomerCityStrikePile_Phase1\342766_EN01_HomerCityStrikePile_Phase1.aprx 6/25/2024 4:46 PM (slavin)



REFERENCES
1.ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: ACCESSED 6/25/2024, IMAGERY DATE: 2021.

Civil & Environmental Consultants, Inc.
700 Cherrington Parkway
Moon Township, PA 15108
Ph: 412.429.2324 · 800.365.2324
www.cecinc.com

TEMPORARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
HOMER CITY REDEVELOPMENT LLC
CENTER TOWNSHIP, INDIANA COUNTY, PENNSYLVANIA

E&S CONTROL PLAN

DRAWN BY:	ZAF	CHECKED BY:	AMR	APPROVED BY:	RJB*	FIGURE NO:	3
DATE:	6/25/2024	SCALE:	1"=200'	PROJECT NO:	342-766		

*Hand signature on file

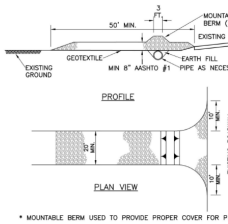
PADEP STANDARD E&S PLAN NOTES

THE FOLLOWING NOTES SHOULD BE PLACED ON THE E&S PLAN DRAWINGS.

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PLAN PREPARER'S PE LICENSED PROFESSIONAL GUARANTEE, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR THE PADEP BEFORE IMPLEMENTING THE DEVIATION.
5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS PLAN.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
9. IN THE EVENT OF UNFORESEEN UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, BURNED, DUMPED, OR DISCHARGED AT THE SITE.
11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN. OVER UNDISTURBED VEGETATED AREAS.
14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE DISTURBED AREA ONTO ANY ROADWAY.
15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
16. ALL E&S BMPS SHALL BE MAINTAINED. E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
17. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
18. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES — 6 TO 12 INCHES ON COMPACTED SOILS — PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER PROBLEMS. FILLS PLACED ON SLOPES STEEPER THAN 3H:1V OR GREATER THICKNESS AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
25. SEEPAGE AND SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
27. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS, GRADING AND/OR INCORPORATING MULCH, OR TEMPORARY OR PERMANENT SEEDING, AS SPECIFIED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENT.
29. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF BMPS MUST BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
32. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
33. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO $10,000 PER DAY IN CIVIL PENALTIES, UP TO $10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO $20,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

PADEP OPTIONAL NOTES

1. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
2. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
3. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
4. SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
5. ANY DAMAGE THAT OCCURS IN WHOLE OR PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
6. UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT, OR THE DEPARTMENT.

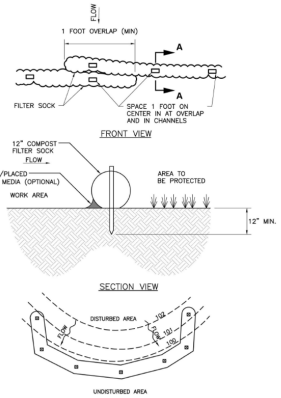


* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

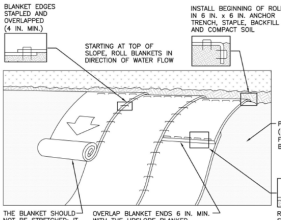
1/4 **ROCK CONSTRUCTION ENTRANCE**
NOT TO SCALE



NOTES:

1. 12" COMPOST FILTER SOCK SHALL MEET THE EROSION CONTROL STANDARDS OF THE PADEP EROSION CONTROL MANUAL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF WHEN IT REACHES ½ THE ABOVE GROUND HEIGHT OF THE COMPOST FILTER SOCK.
5. COMPOST FILTER SOCK SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED COMPOST FILTER SOCK SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

2/4 **FILTER SOCK EROSION CONTROL (TYP.)**
(PADEP STANDARD DETAIL #4-1)
NOT TO SCALE



NOTES:

1. SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
2. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
4. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
5. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

3/4 **EROSION CONTROL BLANKET**
(PADEP STANDARD DETAIL #11-1)
NOT TO SCALE

REVISION RECORD

NO	DATE	DESCRIPTION
1		
2		
3		
4		

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

CEC Civil & Environmental Consultants, Inc.
700 Cherrington Parkway
Moon Township, PA 15108
Ph: 412.429.2324 · 800.365.2324
www.cecinc.com

DRAFT

TEMPOROARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
HOMER CITY REDEVELOPMENT LLC
CENTER TOWNSHIP, INDIANA COUNTY, PENNSYLVANIA

DRAWN BY:	MK	CHECKED BY:	AMR	APPROVED BY:	RJB
DATE:	JUNE 2024	DWG SCALE:	AS SHOWN	PROJECT NO:	342-766.0001

EROSION AND SEDIMENTATION CONTROL DETAILS

FIGURE NO.: **4**
SHEET OF

APPENDIX B

E&S CONTROLS INSPECTION FORM

TEMPORARY ASH DISPOSAL SITE CLOSURE PLAN
HOMER CITY GENERATING STATION
E&S CONTROLS INSPECTION FORM

Inspection Date/Time: _____
Name of Person Performing Inspection: _____
Weather Information: _____

	Yes	No	N/A	Comments
Erosion and Sedimentation Controls:				
Any erosion and sedimentation control measure that needs maintenance or repairs?				
Any failed erosion and sedimentation control measure that needs replacement?				
Any additional control measures needed due to excessive erosion?				
Any sediment removal required?				
Access Roads:				
Is the rock construction entrance in satisfactory condition? Any sediment removal from surface required?				
Are the access roads in satisfactory condition?				
Is watering being performed as needed to prevent dusting?				
Drainage Structures:				
Are the following ietms in satisfactory conditions?				
Perimeter channels				
Sedimentation Ponds				
Pond Outlet Structures				
Vegetation:				
Are there any areas of vegetation that need repaired?				
Remedial Actions/Repairs:				
Any remedial actions/repairs necessary?				

Additional Comments:

Area	Comments

(Signature) (Date)

TABLE 1

INSPECTION FREQUENCY AND MAINTENANCE PLAN

TABLE 1
INSPECTION FREQUENCY AND MAINTENANCE PLAN

E&S CONTROLS		
Feature	**Inspection Frequency**	**Maintenance**
Rock Construction Entrance	Daily and after all rain events greater than 0.25-inch within 24-hour period.	Remove any sediment at the surface of the entrance to prevent soil from tracking onto paved haul roads.
Compost Filter Sock	Weekly inspection and after each storm event greater than 0.25-inch within 24 hour period.	Repair damaged socks in accordance with manufacturer's specifications or replace sock within 24 hours of inspection. Remove accumulated sediment when it reaches half the aboveground height of the sock.
Vegetation	Weekly and after all rain events greater than 0.25-inch within 24 hour period until stabilized (when there is at least a uniform 70 percent vegetative cover established over the entire project area).	Seeding, fertilizing, and mulching as required.
Erosion Control Blanket	Weekly inspection and after rain fall events greater than 0.25-inch within 24 hour period until stabilized (when there is at least a uniform 70 percent vegetative cover established over the entire project area).	Replace damaged blankets or restore displaced blankets within 4 calendar days.

Notes:

1. Inspection frequencies are in accordance with the PADEP Erosion and Sediment Pollution Control Program Manual dated March 2012.
2. Inspections will be performed until vegetation is established.

NOTICE
PUBLIC NOTICE OF SUBMISSION OF CLOSURE PLAN
TEMPORARY ASH DISPOSAL SITE
HOMER CITY GENERATING STATION

Homer City Redevelopment LLC is providing notice that a Closure Plan is being submitted for a temporary Ash Disposal Site located at the Homer City Generating Station in Blacklick and Center Townships, Indiana County. The Closure Plan will be submitted to the Pennsylvania Department of Environmental Protection (PADEP) in July 2024. The Closure Plan includes removal of a temporary Ash Disposal Site with approximately 300,000 cubic yards of material, which will be placed in the Coal Refuse Disposal Area and mixed with coarse coal refuse in accordance with existing PADEP approval for beneficial use of coal ash.

This public notification is being provided in accordance with Chapter 287.151 of the Pennsylvania Residual Waste Regulations. Copies of the Closure Plan will be forwarded to the appropriate municipal authorities by the PADEP. In accordance with 287.151(a)(2), the host municipality and county may submit comments to the PADEP within 30 days of receipt of the Closure Plan, recommending conditions upon, revisions to and approval or disapproval of the Closure Plan, with the specific reasons described in the comments.

A copy of the Closure Plan will also be available for review by the public at the PADEP Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335. Appointments to review the Closure Plan may be made by calling (814) 332-6945. Fees for copying may be charged by the PADEP. The PADEP will accept and consider comments from the public during the permit review.

Persons who wish to comment on this Closure Plan should contact PADEP at the following address: PADEP Northwest Regional Office, Attention to Shawn Peters, Environmental Engineer Manager, 230 Chestnut Street, Meadville, PA 16335.

6/15, 6/22, 6/29

Proof of Publication

State of Pennsylvania
County of Indiana] SS

On this 3RD day of JULY 202

before me, the subscriber, a Notary Public in and for said County an personally appeared:

Sherri L. Bash

who being duly sworn according to laws, deposes and says, that (s) Solicitor of the Indiana Gazette, that the said Indiana Gazette i newspaper of general circulation, published in the borough of India County of Indiana, State of Pennsylvania, by the Indiana Gazette was established in said Borough on the second day of July 18 which date, said daily newspaper has been regularly issued in said and County, that annexed hereto is a true copy of a notice in t matter exactly as the same was printed in the regular editions and the said daily newspaper on the following dates, viz:

6/15, 6/22, 6/29

Affiant further deposes and says that (s)he is an employee of the of the said daily newspaper and has been authorized to verify the f statement and the (s)he is not interested in the subject matte aforesaid notice or publication and that all allegations in the f statement as to time, place, and character of publication are true.

By: Sherri L. Bash

Sworn to and subscribed before me the day and year aforesa

Commonwealth of Pennsylvania - Notary Seal
DAWN A HAYES - Notary Public
Indiana County
My Commission Expires August 31, 2025
Commission Number 1406600

Signature of notarial officer

Proof of Publication _____

Proof of Intent _____ $

Total _____ $

Indiana Gazette Inc., publishers of the Indiana Gazette, a daily newspaper, hearby acknowledges receipt of the aforesaid publication costs, and certifies the same ha fully paid.

Indiana Gazette Inc.
P.O. Box 10, 899 Water Street, Indiana, PA 15701

By _____

NOTICE
PUBLIC NOTICE OF SUBMISSION OF CLOSURE PLAN
TEMPORARY ASH DISPOSAL SITE
HOMER CITY GENERATING STATION

Redevelopment LLC is providing notice that a Closure Plan is being submit-
mporary Ash Disposal Site located at the Homer City Generating Station in
nd Center Townships, Indiana County. The Closure Plan will be submitted to
lvania Department of Environmental Protection (PADEP) in July 2024. The
an includes removal of a temporary Ash Disposal Site with approximately
bic yards of material, which will be placed in the Coal Refuse Disposal Area
with coarse coal refuse in accordance with existing PADEP approval for
se of coal ash.

notification is being provided in accordance with Chapter 287.151 of the
ia Residual Waste Regulations. Copies of the Closure Plan will be for-
the appropriate municipal authorities by the PADEP. In accordance with
2), the host municipality and county may submit comments to the PADEP
ys of receipt of the Closure Plan, recommending conditions upon, revisions
oval or disapproval of the Closure Plan, with the specific reasons described
ients.

e Closure Plan will also be available for review by the public at the PADEP
egional Office, 230 Chestnut Street, Meadville, PA 16335. Appointments to
losure Plan may be made by calling (814) 332-6945. Fees for copying may
by the PADEP. The PADEP will accept and consider comments from the
g the permit review.

o wish to comment on this Closure Plan should contact PADEP at the fol-
ess: PADEP Northwest Regional Office, Attention to Shawn Peters, Envi-
ngineer Manager, 230 Chestnut Street, Meadville, PA 16335.

6/15, 6/22, 6/29

Proof of Publication

State of Pennsylvania
County of Indiana] SS

On this 3RD day of JULY 2024 A.D.

before me, the subscriber, a Notary Public in and for said County and State, personally appeared:

Sherri L. Bash

who being duly sworn according to laws, deposes and says, that (s)he is the Solicitor of the Indiana Gazette, that the said Indiana Gazette is a daily newspaper of general circulation, published in the borough of Indiana, in the County of Indiana, State of Pennsylvania, by the Indiana Gazette Inc., and was established in said Borough on the second day of July 1890, since which date, said daily newspaper has been regularly issued in said Borough and County, that annexed hereto is a true copy of a notice in the above matter exactly as the same was printed in the regular editions and issues of the said daily newspaper on the following dates, viz:

6/15, 6/22, 6/29

Affiant further deposes and says that (s)he is an employee of the publisher of the said daily newspaper and has been authorized to verify the foregoing statement and the (s)he is not interested in the subject matter of the aforesaid notice or publication and that all allegations in the foregoing statement as to time, place, and character of publication are true.

By: Sherri L. Bash

Sworn to and subscribed before me the day and year aforesaid.

Commonwealth of Pennsylvania - Notary Seal
DAWN A HAYES - Notary Public
Indiana County
My Commission Expires August 31, 2025
Commission Number 1406600

Signature of notarial officer

Proof of Publication _____ $846.00

Proof of Intent _____ $ 15.00

Total _____ $861.00

Indiana Gazette Inc., publishers of the Indiana Gazette, a daily newspaper, hearby acknowledges receipt of the aforesaid publication costs, and certifies the same have been fully paid.

Indiana Gazette Inc.
P.O. Box 10, 899 Water Street, Indiana, PA 15701

By _____