Appendices

Appendix A: Closure Implementation Plan Drawings

Appendix B: IDNR Coal Mine Information

Appendix C: Logs of Test Borings, Monitoring Wells, Hand Augers, and Test Pits

Appendix C1: 2009 Monitoring Well Boring Log

Appendix C2: 2016 Ash and Geotechnical/Ash Delineation Boring Logs

Appendix C3: 2016 Monitoring Well Boring Logs

Appendix C4: 2018-2019 Ash Delineation, Ash, and Soil Stockpile Boring Logs

Appendix C5: 2016-2019 Hand Auger Logs

Appendix C6: 2019 Test Pit Logs

Appendix D: Monitoring Well Construction Diagrams

Appendix D1: 2009 Monitoring Well Construction Diagram

Appendix D2: 2016 Monitoring Well Construction Diagrams

Appendix E: Water Well Records

Appendix E1: IDNR Water Well Records with UTM Coordinates

Appendix E2: IDNR Water Well Records with UTM Coordinates and Modified

Appendix E3: IDNR Water Well Records without UTM Coordinates and Modified

Appendix E4: IDNR Water Well Records without UTM Coordinates

Appendix E5: 2016 IDNR Water Well Records

Appendix F: 2016-2019 Summary of Soil Laboratory Test Results

Appendix G: 2016 Summary of Monitoring Well Hydraulic Conductivity Test Results

Appendix H: Copy of the Limited Asbestos Investigation and Air Monitoring Report

Appendix I: Copy of the Phases I & II Subsidence Engineering Investigations – Legacy Edwardsport Generating Station Report

Appendix J: Geotechnical Analyses of Consolidated Ash Management Area

Appendix K: Stormwater System and Final Cover Erosion Calculations

Appendix L: Closure and Post-Closure Plan Cost Estimates

Appendix M: Quality Assurance Manual

Appendix A Closure Implementation Plan Drawings (Bound Separately)

Drawing No. 1: Title and Index Sheet

Drawing No. 2: Legend, Abbreviations and Notes Drawing No. 3: Vicinity and Water Well Map

Drawing No. 4: Site Overview – March 2016 Aerial Photography

Drawing No. 5: Site Overview – Mine System – White River Coal Company

Drawing No. 6: Existing Conditions – Wetlands and Utilities
Drawing No. 7: Existing Conditions – Floodplain and Mine Limits

Drawing No. 8: Geological Cross Section Plan

Drawing No.9: Bedrock Contour Map

Drawing No. 10: Approximate Bottom of Ash Elevations Drawing No. 11: Approximate Depth of Bottom of Ash Subsurface Conditions - Cross Section A Drawing Nos. 12-13: Subsurface Conditions - Cross Section B Drawing Nos. 14-15: Drawing No. 16: Subsurface Conditions – Cross Section C Subsurface Conditions - Cross Section D Drawing No. 17: Drawing Nos. 18-19: Subsurface Conditions - Cross Section E Drawing No. 20: Subsurface Conditions - Cross Section F Drawing No. 21: Subsurface Conditions – Cross Section G

Drawing No. 22: Ash Excavation

Drawing No. 23: Soil Berm Construction

Drawing No. 24: Final Cover Subgrade Grading Plan

Drawing No. 25: Final Cover Grading Plan

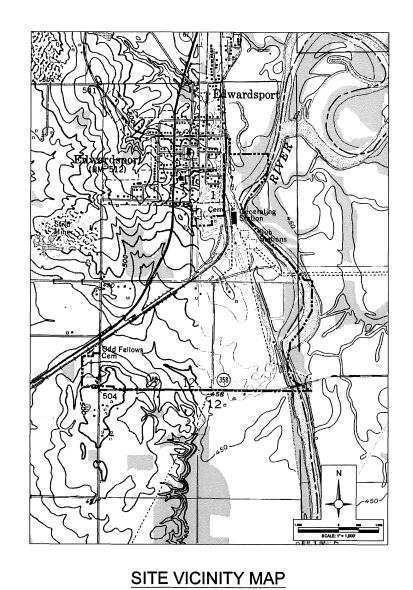
Drawing No. 26: Stormwater Runoff Control Plan
Drawing No. 27: Engineering Cross Sections A and B
Drawing No. 28: Engineering Cross Sections C and D
Drawing No. 29: Closure Implementation Plan Overview

Drawing Nos. 30-32: Details

REV. O

HISTORIC ASH PLACEMENT AREAS CLOSURE IMPLEMENTATION PLAN APPENDIX A

DUKE ENERGY INDIANA, LLC LEGACY EDWARDSPORT GENERATING STATION



	INDEX
DRAWING NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2	LEGEND, ABBREVIATIONS AND NOTES
3	VICINITY AND WATER WELL MAP
4	SITE OVERVIEW- MARCH 2016 AERIAL PHOTOGRAPHY
5	SITE OVERVIEW - MINE SYSTEM - WHITE RIVER COAL COMPANY
6	EXISTING CONDITIONS - WETLANDS AND UTILITIES
7	EXISTING CONDITIONS - FLOODPLAIN AND MINE LIMITS
8	GEOLOGICAL CROSS-SECTION PLAN
9	APPROXIMATE TOP OF BEDROCK SURFACE
10	APPROXIMATE BOTTOM OF ASH ELEVATIONS
11	APPROXIMATE DEPTH OF BOTTOM OF ASH
12	SUBSURFACE CONDITIONS - CROSS SECTION A
13-14	SUBSURFACE CONDITIONS - CROSS SECTION B
15-16	SUBSURFACE CONDITIONS - CROSS SECTION C
17	SUBSURFACE CONDITIONS - CROSS SECTION D
18	SUBSURFACE CONDITIONS - CROSS SECTION E
19-20	SUBSURFACE CONDITIONS - CROSS SECTION F
21	SUBSURFACE CONDITIONS - CROSS SECTION G
22	ASH EXCAVATION
23	SOIL BERM CONSTRUCTION
24	FINAL COVER SUBGRADE GRADING PLAN
25	FINAL COVER GRADING PLAN
26	STORMWATER RUNOFF CONTROL PLAN
27	ENGINEERING CROSS SECTIONS A, B, AND C
28	ENGINEERING CROSS SECTION D
29	CLOSURE IMPLEMENTATION PLAN OVERVIEW
30-32	DETAILS

OWNER:

DUKE ENERGY INDIANA, LLC

LEGACY EDWARDSPORT GENERATING STATION

KNOX COUNTY, INDIANA

PREPARED BY:
ATC GROUP SERVICES LLC
7988 CENTERPOINT DRIVE, SUITE 100
INDIANAPOLIS, INDIANA 46256

ATC GROUP SERVICES LLC
7988 CENTERPOINT DR
SUITE 100
INDIANAPOLLS, IN 46256
PHONE: +1 317 849 4990
FAX: +1 317 849 4276
WWW.ATCGROUPSERVICES.COM
NOT FOR
CONSTRUCTION

TITLE AND INDEX SHEET HISTORIC ASH PLACEMENT AREAS CLOSURE IMPLEMENTATION PLAN

FOR LEGACY EDWARDSPORT GENERATING STATION

SOLLE: AS SHOWN DES: JN
DWG TYPE: DWG DFTR: AK
JOB NO: 1701F00582 CHKD: BM
DATE: 8/19 ENGR: BM

REV DATE JOB NO. PROJECT TYPE DES DETRICHED ENGR APPD DESCRIPTION

ES 2 3 TENTHS 10 20 31

001

0

REV. O

002

-c-

--D

—E-

-F-

