



Submitted to
Southern Indiana
Gas & Electric Company
(SIGECO)
One Vectren Square
Evansville, IN 47708

Submitted by
AECOM
9400 Amberglen Boulevard
Austin, Texas 78729

August, 2024

CCR Certification:
Emergency Action Plan
§257.73 (a)(3)

for the

East Ash Pond

at the

F.B. Culley Generating Station

Revision 6

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Executive Summary

This Coal Combustion Residuals (CCR) Emergency Action Plan (EAP) for the East Ash Pond at the Southern Indiana Gas & Electric Company (SIGECO), F.B. Culley Generating Station has been prepared in accordance with the requirements specified in the USEPA CCR Rule under 40 Code of Federal Regulations §257.73 (a)(3). These regulations require the specified documentation, assessments and plans for an existing CCR surface impoundment be prepared by April 17, 2017 and updated as appropriate.

This Plan for the East Ash Pond meets the regulatory requirements as summarized in **Table ES-1**.

Table ES-1 –Summary				
Report Section	CCR Rule Reference	Requirement Summary	Requirement Met?	Comments
2	§257.73 (a)(3)	<i>Development of Plan</i>	Yes	The initial Emergency Action Plan (Revision 0) was prepared based on conditions of the CCR unit as of April 17, 2017. This Revision 5 addresses updates to emergency contact information based on annual “face to face” meeting.

The East Ash Pond is considered an active surface impoundment that has been previously classified as a “Significant” hazard as described in the CCR Rule, and as such requires an Emergency Action Plan be developed per the requirements of §257.73 (a)(3).

1 Introduction

1.1 Purpose of this Report

The purpose of the Emergency Action Plan (EAP) for the East Ash Pond, as presented in this report, is to document the requirements specified in 40 Code of Federal Regulations (CFR) §257.73 (a)(3) have been met to support each of the applicable regulatory provisions for the F.B. Culley Generating Station (Culley) East Ash Pond. The East Ash Pond is an existing coal combustion residual (CCR) surface impoundment as defined by 40 CFR §257.53. The CCR Rule requires an EAP be developed for each existing CCR surface impoundment by April 17, 2017.

The following table identifies the five components of the EAP which are discussed in §257.73.

Table 1-1 – CCR Rule Cross Reference Table		
Report Section	Title	CCR Rule Reference
2.1	<i>Development of Plan</i>	§257.73 (a)(3)(i)
2.2	<i>Amendment of Plan</i>	§257.73 (a)(3)(ii)
2.3	<i>Change in Hazard Potential Classification</i>	§257.73 (a)(3)(iii)
2.4	<i>Certification from Qualified Professional Engineer</i>	§257.73 (a)(3)(iv)
2.5	<i>Activation of the EAP</i>	§257.73 (a)(3)(v)

Diligent observation during the normal, daily operations at the plant are vital in recognizing unusual events. Events which could constitute unusual or an emergency event were identified and classified into three levels;

- Emergency Level 3: Non-emergency unusual event, slowly developing
- Emergency Level 2: Potential embankment failure situation, rapidly developing
- Emergency Level 1: Urgent; embankment failure appears imminent or is in progress

The EAP provides standard evaluation methods of conditions at the plant, appropriate actions to be taken during emergencies, and contact information for the responsible personnel and applicable emergency responders.

1.2 Brief Description of Impoundment

The Culley station is located in Warrick County, Indiana, southeast of Newburgh, Indiana, and is owned and operated by SIGECO. The Culley station is located along the north bank of the Ohio River and Little Pigeon Creek is situated along the southeastern-eastern boundary. The station had two CCR surface impoundments; the West Ash Pond and East Ash Pond. The West Ash Pond was closed by Closure in Place (CiP) in December 2020. The Culley East Ash Pond ceased receiving waste streams in July 2023 and is currently undergoing closure. The closure method is removal of all CCR material. The hazard potential has been classified as “significant” under the definitions provided in the CCR Rule (certification under separate cover). The East Ash Pond is located in the southeastern corner of the station and is approximately 10 acres in size.

The East Ash Pond was commissioned in approximately 1971 and operated as an unlined CCR impoundment. Earthen embankments were constructed along the south and east sides of the impoundment. Structural fill used for the original construction of the Culley station in the 1950's borders the impoundment to the west side, and west end of the north side. The east embankment intersects a natural hillside on the east end of the north side of the impoundment. The perimeter of the embankment is approximately 1,200 feet long, 30 feet high, and has 2.4 to 1 (horizontal to vertical) exterior side slopes covered with grassy vegetation. Interior side slopes varied from 2.5 to 1 (horizontal to vertical) to 2 to 1 (horizontal to vertical) for the upper and lower portion of the embankment, respectively. The embankment crest elevation varies from 392.67 feet¹ to 396.42 feet and has a crest width of approximately 15 feet. The surface area of the impoundment is approximately 9.8 acres. The ponded water previously had a surface area of approximately 7.26 acres and has a normal operating level of 386 feet.

A Site Location Map showing the area surrounding the station is in **Figure 1 of Appendix A**. **Figure 2 in Appendix A** presents the Culley Site Map.

¹ unless otherwise noted, all elevations in this report are in the NAD88 datum

2 Emergency Action Plan

Regulatory Citation: 40 CFR §257.73 (a)(3) Emergency Action Plan (EAP)

The EAP for the East Ash Pond is described in this section. A publicly available website with the current version of the EAP can be found in the following link: <https://www.centerpointenergy.com/en-us/corporate/about-us/ccr-reporting>. It should always be verified that any hard copy version of this plan is consistent with the latest version available on the website. Information regarding operational and maintenance procedures of the station was provided by Culley station personnel. Those personnel follow an established emergency action plan that quickly identifies and resolves issues of concern at the Culley station.

2.1 Development of Plan

Regulatory Citation: 40 CFR §257.73 (a)(3) Development of the plan;

- *(i) No later than April 17, 2017, the owner or operator of a CCR unit determined to be either a high hazard potential CCR surface impoundment or a significant hazard potential CCR surface impoundment under paragraph (a)(2) of this section must prepare and maintain a written EAP.*

The East Ash Pond was determined to be a CCR surface impoundment with a significant hazard potential under 40 CFR §257.73 (a)(2) as certified in October 2016 (and recertified in October 2021). Therefore, a written EAP has been prepared and will be maintained.

2.1.1 Definitions of Events or Circumstances

Regulatory Citation: 40 CFR §257.73 (a)(3)(i);

- *(A) Define the events or circumstances involving the CCR unit that represent a safety emergency, along with a description of the procedures that will be followed to detect a safety emergency in a timely manner.*

This section of the EAP describes the first step to be followed in the event of the detection of an unusual or emergency event at Culley station. The section also describes event detection and information to assist SIGECO in determining the appropriate level of response for an event.

Event Level 3 – Non-emergency unusual event, slowly developing

This is an incident that is defined as an unusual, slowly developing situation that has the potential to threaten the operation or structural integrity of the embankment. The condition of the embankment should be monitored closely, especially during storm events, to detect any development of a potential or imminent failure situation.

Event Level 2 – Potential embankment failure situation, rapidly developing

This is an emergency event defined as rapidly developing and could quickly lead to a failure of the embankment, but there is not an immediate threat of embankment failure. SIGECO should closely monitor the condition of the embankment and periodically report the status of the situation to the Indiana DHS District 10 Coordinator. If the embankment's condition worsens and failure becomes imminent, Emergency Responders must be notified immediately via the 911 system of the change in the emergency level to evacuate the people at risk downstream.

If time permits, the Indiana DHS District 10 Coordinator should be contacted to evaluate the situation and recommend remedial actions to prevent embankment failure. SIGECO should initiate remedial repairs.

Event Level 1 – Urgent; Embankment failure appears imminent or is in progress

This is an extremely urgent situation when an embankment failure is imminent. The Emergency Responders should be contacted immediately via the 911 system so emergency services can begin evacuations of all at-risk people as needed.

Table 2-1 defines the various potential events and circumstances that could be observed involving the CCR unit and its corresponding emergency level determination. The table is a guide for determining the appropriate event level and attempts to be all inclusive; however, an event or condition may arise that is not covered. In the circumstance of multiple events occurring at the embankment with conflicting event levels, always designate the higher event level as the governing event level.

Table 2-1 – Event Level Determination Guidance			
Defect / Event	Emergency Level 3*	Emergency Level 2*	Emergency Level 1*
Embankment Cracking	New cracks or cracks that have increased in size in the embankment without seepage, indicative of structural instability. ¹	Cracks in the embankment with seepage	Cracks in the embankment with noticeable flow of seepage and solids.
Seepage	Low flow rate, clear water, small area not associated with poor drainage area or rut that would be normal maintenance.	High or increasing flow rate carrying soil that may cover a large area	–
Embankment Movement	–	Visual movement / structural slippage of the embankment slope. ²	Sudden or rapidly proceeding slides of the embankment slopes. ²
Dropping Water Level	Water level in East Ash Pond is rapidly falling without apparent cause (no increase in pumping rates).	Whirlpool or other signs of the East Ash Pond draining rapidly through the impoundment or foundation.	–
Earthquake	A reported earthquake of 3.0 or greater magnitude within 50 miles of the embankment. See Figure 5 – 50 Mile Radius Map for reference.	Earthquake resulting in visible damage to the embankment or appurtenances.	Earthquake resulting in uncontrolled release of water from the embankment.
Security Threat	–	Verified bomb threat that, if carried out, could result	Detonated bomb that has resulted in damage to the

Table 2-1 – Event Level Determination Guidance			
Defect / Event	Emergency Level 3*	Emergency Level 2*	Emergency Level 1*
		in damage to the embankment.	embankment or appurtenances.
Sabotage / Vandalism	Damage that could adversely impact the functioning of the embankment.	Damage that has resulted in seepage flow.	Damage that has resulted in uncontrolled water release.
Sinkholes	Observation of new sinkhole in pond area or on embankment.	Rapidly enlarging sinkhole.	–
Tornado	Tornado resulted in visible damage to the embankment or appurtenances.	Tornado resulted in major visible damage to the embankment or appurtenances.	Tornado resulted in uncontrolled release of water from the embankment.

*Emergency Level 3: Non-emergency unusual event, slowly developing

*Emergency Level 2: Potential embankment failure situation, rapidly developing

*Emergency Level 1: Urgent; embankment failure appears imminent or is in progress

Notes:

1 – Shallow desiccation cracks due to dry weather or minor due to recent erosion and that will normally be addressed during the weekly inspections and subsequent normal course of repair are not included in this event. Additional evaluation and/or professional input may be warranted prior to determination that an observed “Embankment Cracking” field condition triggers Event Level 3. In questionable cases requiring additional input, the Third-Party Geotechnical Engineer should be consulted.

2 – Minor surficial sloughing of material due to lack of vegetation and erosion is not considered within this event. Slipping and slippage refer to structural movement of the embankment or berm and do not refer to erosion issues that will normally be addressed during the weekly inspections and subsequent normal course of repair.

Safety emergencies may be detected by local residents, F.B. Culley employees, or City employees. There is no formal information collecting system or warning system to detect an emergency at the embankment. In addition, there is no procedure for analyzing data, but emergencies such as cracking/deformation of the levee embankments, extreme seepage, or other indications of potential failures, are expected to be readily apparent to observers.

2.1.2 Responsible Persons and Notification Procedure

Regulatory Citation: 40 CFR §257.73 (a)(3)(i);

- (B) Define responsible persons, their respective responsibilities, and notification procedures in the event of a safety emergency involving the CCR unit.

All defined responsible persons, their respective responsibilities, and notification procedures in the event of a safety emergency involving the CCR unit have been documented. The notification flow chart can be found in **Appendix A, Figures 3.1, 3.2 and 3.3.**

2.1.3 Contact Information

Regulatory Citation: 40 CFR §257.73 (a)(3)(i);

- (C) Provide contact information of emergency responders.

Table 2-2 – Emergency Responders Contact Information

Agency	Contact Person	Address	Phone Number
Warrick County Emergency Management Director	Matthew Goebel	107 W. Locust St. Suite 307 Boonville, IN 47601	812-897-6178
Indiana Department of Homeland Security District 10 Liaison	Tonda Dixon		317-402-6603
Indiana DNR (Boat Launch Operator) *	Division of Water	Indianapolis, IN	317-232-4160
911 Dispatch Director	Paul Kruse	100 W. S.R. 62 P.O. Box 487 Boonville, Indiana 47601	812-897-6180
Warrick County Sheriff's Office	Sheriff Michael Wilder	100 W. S.R. 62 P.O. Box 487 Boonville, Indiana 47601	812-897-6180
U.S. Army Corps of Engineers Emergency Manager **	Chuck Oliver	Louisville District P.O. Box 59 Louisville, Kentucky 40201	502-315-6912

U.S. Coast Guard **		Sector Ohio Valley 600 Dr. Martin Luther King Jr. Pl. Louisville, KY 40202	502-779-5300
National Response Center **			800-424-8802
Inland Marina **		Waterworks Rd Evansville, IN 47711	812-422-8180

*If flow is sufficient to reach Little Pigeon Creek and/or boat ramp

**If flow is sufficient to reach the river

2.1.4 Map of Downstream Area

Regulatory Citation: 40 CFR §257.73 (a)(3)(i);

- (D) Include a map which delineates the downstream area which would be affected in the event of a CCR unit failure and a physical description of the CCR unit.

A map depicting the downstream area that would be affected in the event of embankment failure is presented in **Figure 4 of Appendix A**. A map with the location of a possible incident command center and potential roads that would be affected in the event of embankment failure is presented in **Figure 6 in Appendix A**. The description of the Culley station and of the Culley East Ash Pond CCR unit is included in Section 1.2 of this certification document.

2.1.5 Annual Face-to-Face Meeting

Regulatory Citation: 40 CFR §257.73 (a)(3)(i);

- (E) Include provisions for an annual face-to-face meeting or exercise between representatives of the owner or operator of the CCR unit and the local emergency responders.

Provisions for an annual face-to-face meeting between representatives of the owner or operator of the Culley station and the local emergency responders have been established and are listed below. The owner or operator will review and update the EAP for the East Ash Pond as needed at least once each year.

Within one year of the finalization of the initial EAP, the owner of operator shall initiate annual EAP face-to-face meetings that, at minimum, consist of the following:

- A review of responsible parties listed in Table 2-2 to confirm names and contact numbers are still accurate
- Confirmation that all personnel in Table 2-2 know where the EAP is located and the responsibilities described within the EAP
- Review of the EAP, notification flowcharts and downstream impact area maps.
- Persons listed on Table 2-2 shall be notified of meeting time and location via certified mail at least 2 weeks prior to meeting date.

An annual exercise may be substituted for an annual face-to-face meeting with emergency responders. The annual EAP exercise will consist of the following:

- The owner or operator will develop a plan and schedule for EAP training.
- The owner or operator, in conjunction with responsible persons and emergency responders, will conduct tabletop and/or field exercises for various emergency events.
- The owner or operator will review the EAP in accordance with all responsible persons and update, as necessary, all documentation within the EAP to include the notification flowcharts (Figures 3.1-3.3), the EAP document, and the downstream area map (Figure 4).
- The results of the annual exercise will be discussed and evaluated to determine if the EAP needs to be updated.

Updates/learnings from the first face-to-face meeting have been incorporated into this plan.

2.2 Amendment of the Plan

Regulatory Citation: 40 CFR §257.73 (a)(3)(ii) Amendment of the Plan:

- (A) *The owner or operator of a CCR unit subject to the requirements of paragraph (a)(3)(i) of this section may amend the written EAP at any time provided the revised plan is placed in the facility's operating record as required by § 257.105(f)(6). The owner or operator must amend the written EAP whenever there is a change in conditions that would substantially affect the EAP in effect.*

Whenever there is a change in conditions that would substantially affect the EAP, an amendment to the written EAP will be made and placed in the facility's operating record.

- (B) *The written EAP must be evaluated, at a minimum, every five years to ensure the information required in paragraph (a)(3)(i) of this section is accurate. As necessary, the EAP must be updated and a revised EAP placed in the facility's operating record as required by § 257.105(f)(6).*

The EAP will be evaluated, at a minimum, every five years. Any updates and revisions to the EAP will be placed in the facility's operating record.

2.3 Changes in Hazard Potential Classification

Regulatory Citation: 40 CFR §257.73 (a)(3)(iii);

- (A) *If the owner or operator of a CCR unit determines during a periodic hazard potential assessment that the CCR unit is no longer classified as either a high hazard potential CCR surface impoundment or a significant hazard potential CCR surface impoundment, then the owner or operator of the CCR unit is no longer subject to the requirement to prepare and maintain a written EAP beginning on the date the periodic hazard potential assessment documentation is placed in the facility's operating record as required by § 257.105 (f)(5).*

The East Ash Pond is currently classified as a significant hazard potential CCR impoundment; therefore, a written EAP has been prepared. If the classification for the East Ash Pond changes and the CCR unit is no longer classified

as either a high hazard potential CCR surface impoundment or a significant hazard potential CCR surface impoundment, SIGECO will no longer be required to prepare and maintain a written EAP.

- *(B) If the owner or operator of a CCR unit classified as a low hazard potential CCR surface impoundment subsequently determines that the CCR unit is properly re-classified as either a high hazard potential CCR surface impoundment or a significant hazard potential CCR surface impoundment, then the owner or operator of the CCR unit must prepare a written EAP for the CCR unit as required by paragraph (a)(3)(i) of this section within six months of completing such periodic hazard potential assessment.*

The East Ash Pond is currently classified as a significant hazard potential CCR impoundment; therefore, a written EAP has been prepared.

2.4 Qualified Professional Engineer Certification

Regulatory Citation: 40 CFR §257.73 (a)(3);

- *(iv) The owner or operator of the CCR unit must obtain a certification from a qualified professional engineer stating that the written EAP, and any subsequent amendment of the EAP, meets the requirements of paragraph (a)(3) of this section*

A qualified professional engineer's certification is provided in Section 3 of this EAP.

2.5 Activation of the EAP

Regulatory Citation: 40 CFR §257.73 (a)(3);

- *(v) The EAP must be implemented once events or circumstances involving the CCR unit that represent a safety emergency are detected, including conditions identified during periodic structural stability assessments, annual inspections, and inspections by a qualified person.*

The EAP will be implemented as soon as events or circumstances involving the CCR unit that represent a safety emergency are detected.

3 Certification

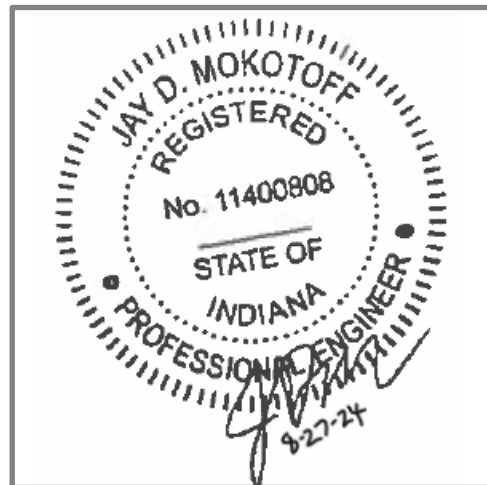
This Certification Statement documents that the East Ash Pond at the F.B. Culley Generating Station meets the Emergency Action Plan requirements specified in 40 CFR §257.73 (a)(3). The East Ash Pond is an existing CCR surface impoundment as defined by 40 CFR §257.53. The CCR Rule requires that an Emergency Action Plan be prepared for any existing CCR surface impoundments by April 17, 2017.

CCR Unit: Southern Indiana Gas & Electric Company; F.B. Culley Generating Station; East Ash Pond

I, Jay Mokotoff, being a Registered Professional Engineer in good standing in the State of Indiana, do hereby certify, to the best of my knowledge, information, and belief that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR Unit, that the Emergency Action Plan dated August 27, 2024 meets the requirements of 40 CFR § 257.73 (a)(3).

Jay Mokotoff
Printed Name

8/27/2024
Date



4 Limitations

Background information, design basis, and other data which AECOM has used in preparation of this report have been furnished to AECOM by SIGECO. AECOM has relied on this information as furnished, and is not responsible for the accuracy of this information. Our recommendations are based on available information from previous and current investigations. These recommendations may be updated as future investigations are performed.

The conclusions presented in this report are intended only for the purpose, site location, and project indicated. The recommendations presented in this report should not be used for other projects or purposes. Conclusions or recommendations made from these data by others are their responsibility. The conclusions and recommendations are based on AECOM's understanding of current plant operations, maintenance, stormwater handling, and ash handling procedures at the station, as provided by SIGECO. Changes in any of these operations or procedures may invalidate the findings in this report until AECOM has had the opportunity to review the findings, and revise the report if necessary.

This development of the Emergency Action Plan for the East Ash Pond was performed in accordance with the standard of care commonly used as state-of-practice in our profession. Specifically, our services have been performed in accordance with accepted principles and practices of the engineering profession. The conclusions presented in this report are professional opinions based on the indicated project criteria and data available at the time this report was prepared. Our services were provided in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is intended.

Appendix A Figures

Figure 1 – Location Map

Figure 2 – Site Map

Figure 3.1 – Notification Flow Chart Level 3

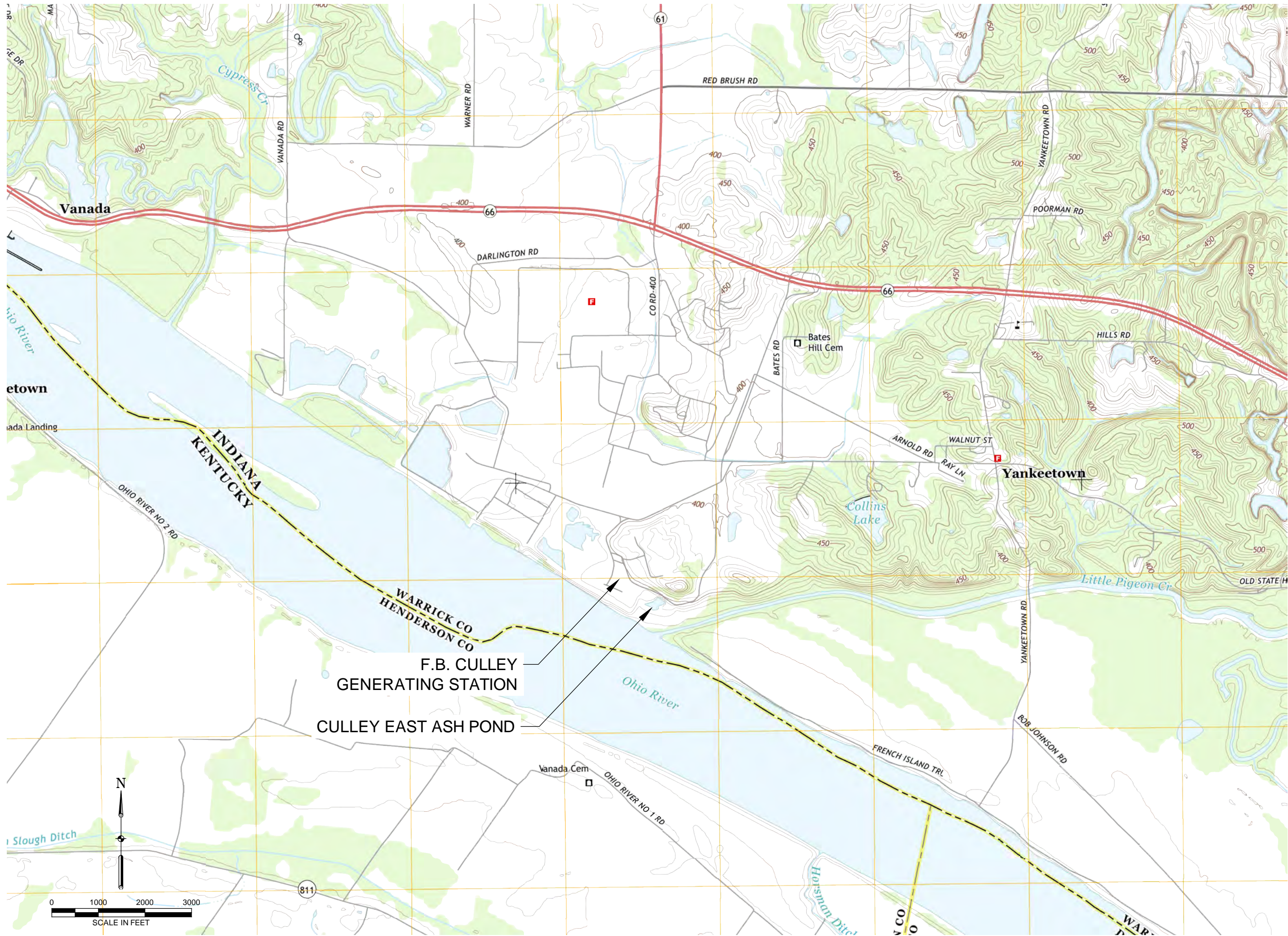
Figure 3.2 – Notification Flow Chart Level 2

Figure 3.3 – Notification Flow Chart Level 1

Figure 4 – Downstream Area Map

Figure 5 – 50 mile Radius Map

Figure 6 – Road Closure Map



**F.B. CULLEY
GENERATING STATION
NEWBURGH, IN**

**CCR CERTIFICATION
EAST ASH POND**

**ISSUED FOR
CERTIFICATION**

ISSUED FOR BIDDING _____ DATE BY _____

ISSUED FOR CONSTRUCTION _____ DATE BY _____

REVISIONS		
NO.	DESCRIPTION	DATE
△		
△		
△		
△		
△		

AECOM PROJECT NO:	60442676
DRAWN BY:	MJC
DESIGNED BY:	MJC
CHECKED BY:	TLE
DATE CREATED:	8/18/2016
PLOT DATE:	11/02/2021
SCALE:	AS SHOWN
ACAD VER:	2014

SHEET TITLE

LOCATION MAP

FIGURE 1



AECOM Imagine it. Delivered.

9400 AMBERGLEN BOULEVARD
 AUSTIN, TX 78729-1100
 512-454-4797 (phone)
 512-454-8807 (fax)

CenterPoint Energy

ONE VECTREN SQUARE
 EVANSVILLE, IN 47708
 1-800-227-1376 (phone)

F.B. CULLEY
 GENERATING STATION
 NEWBURGH, IN
 CCR CERTIFICATION
 EAST ASH POND

ISSUED FOR
 CERTIFICATION

ISSUED FOR BIDDING _____ DATE BY _____

ISSUED FOR CONSTRUCTION _____ DATE BY _____

REVISIONS

NO.	DESCRIPTION	DATE
△		
△		
△		
△		
△		

AECOM PROJECT NO: 60442676

DRAWN BY: JMW

DESIGNED BY: JMW

CHECKED BY: RJB

DATE CREATED: 12/19/2018

PLOT DATE: 11/02/2021

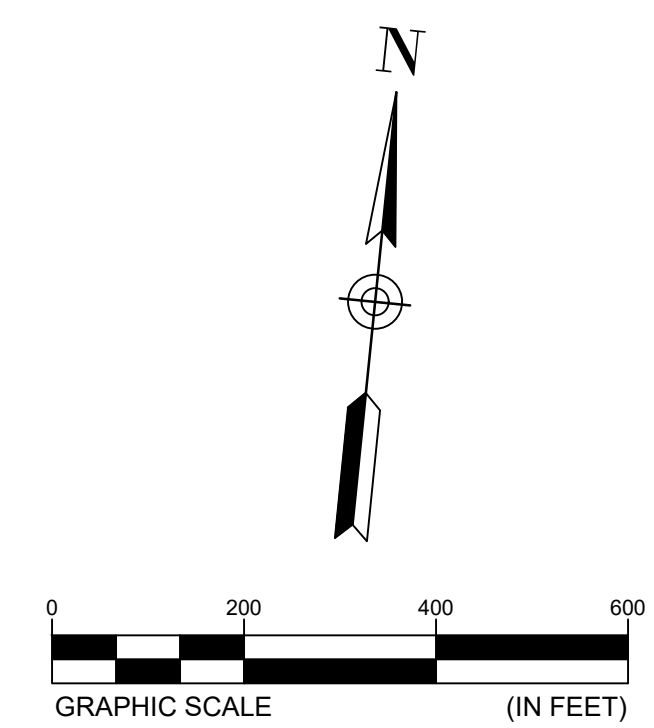
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ACAD VER: CIVIL 3D 2018

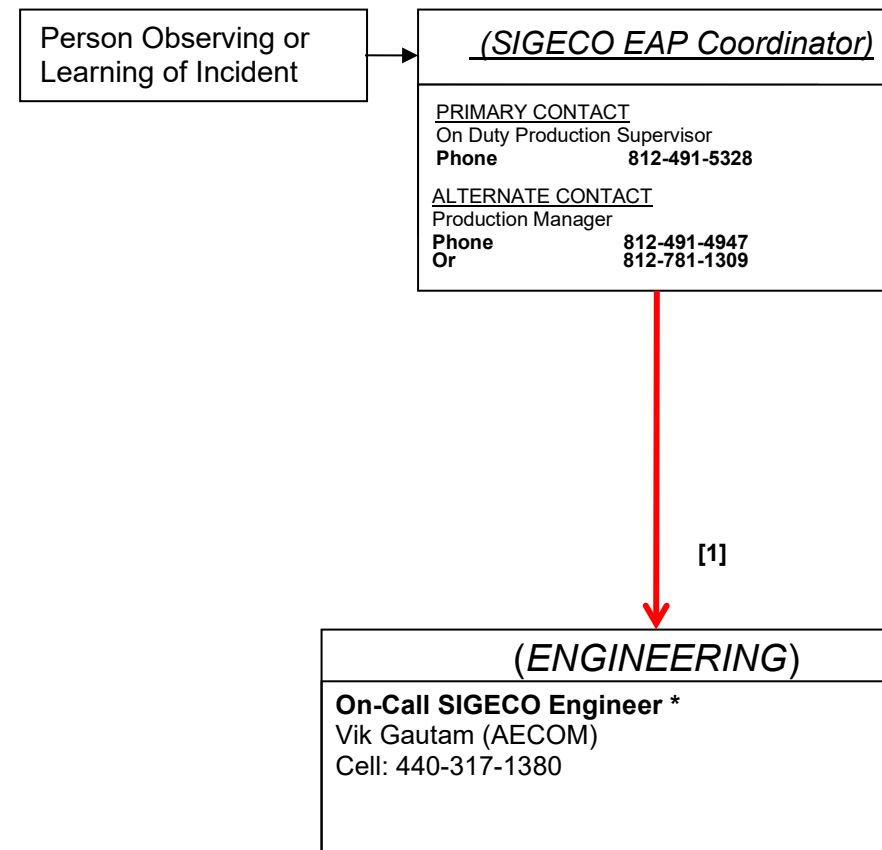
SHEET TITLE

SITE MAP

FIGURE 2



EVENT LEVEL 3 NOTIFICATION INCIDENT, SLOWLY DEVELOPING



* Consulting the Third Party Geotechnical Engineer does not automatically activate the CCR EAP.

Suggested EAP Coordinator Message

- This is the [redacted]. I am making this call in accordance with the F.B. Culley Generating Plant EAP.
- An incident has been detected F.B. Culley Plant.
- The EAP has been activated, currently at an incident level (Level 3).
- If a problem occurs, Little Pigeon Creek may be impacted and the Ohio River may be impacted.
- The situation is being monitored to determine if any evacuation warnings are necessary.
- We will keep you apprised of the situation. The best telephone number to reach me during this event is ... (state the best number to reach you).

NOTE:

1) [1], [2], [3], etc., DENOTES SUGGESTED CALLSEQUENCE

LEGEND:

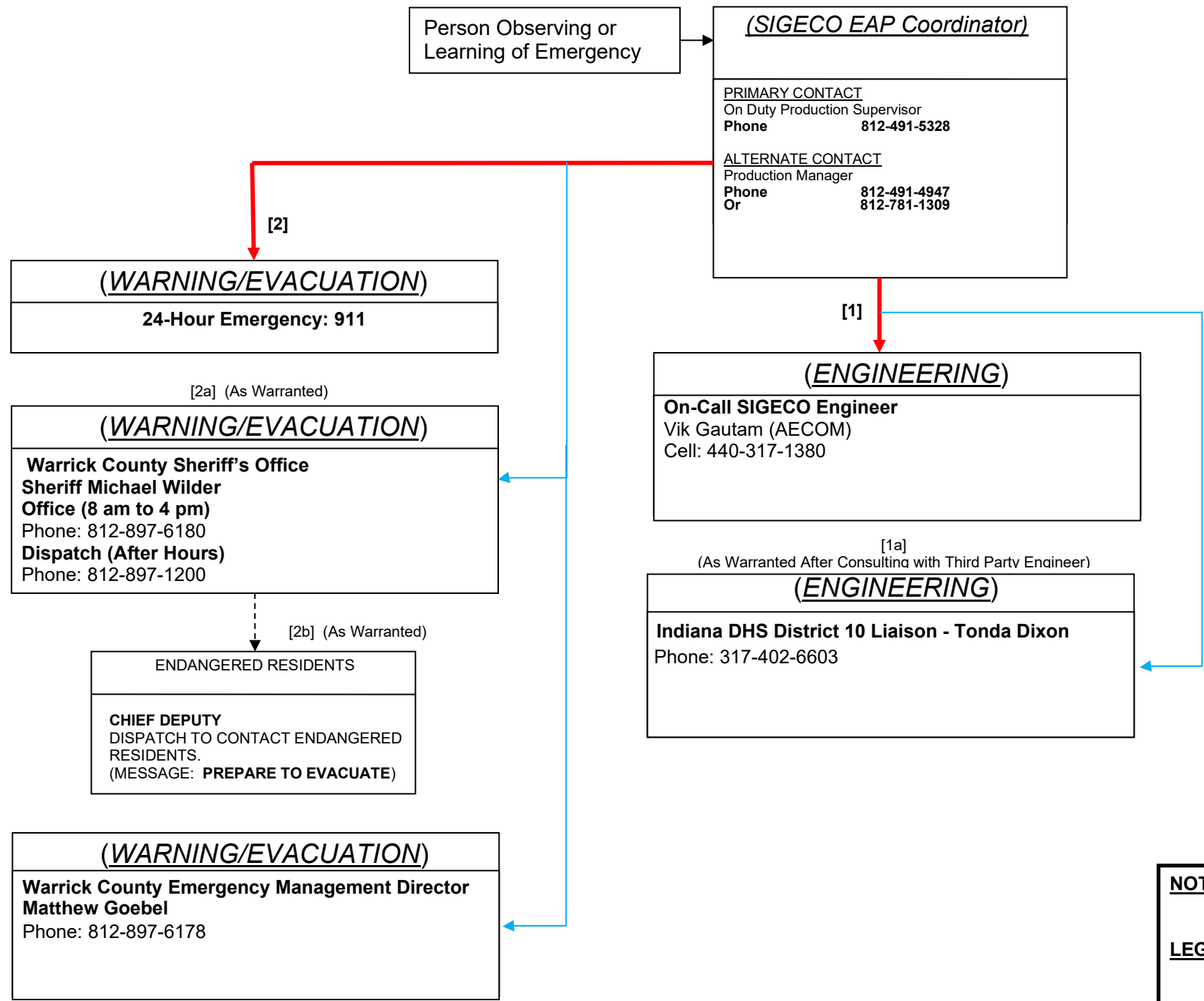
1) CALLS BY EAP COORDINATOR —————

2) SECOND LEVEL CALLS (as warranted) —————

3) THIRD LEVEL CALLS (as warranted) - - - - -

See Table 2.2, *Emergency Responders Contact Information*, in the EAP for additional contact information.

EVENT LEVEL 2 NOTIFICATION EMERGENCY EVENT, RAPIDLY DEVELOPING



Suggested EAP Coordinator Message

- This is the [redacted]. I am making this call in accordance with the F.B. Culley Generating Plant EAP.
- Problems have occurred with F.B. Culley Generating Plant.
- The EAP has been activated, currently at the emergency level (Level 2).
- Impact to the Ohio River is possible.
- Flooding along the Little Pigeon Creek is possible.
- **Prepare to evacuate** along the Little Pigeon Creek.
- We will keep you apprised of the situation. The best telephone number to reach me during this event is ... (state the best number to reach you).

NOTE:
1) [1], [2], [3], etc., DENOTES SUGGESTED CALLSEQUENCE

LEGEND:

1) CALLS BY EAP COORDINATOR ———

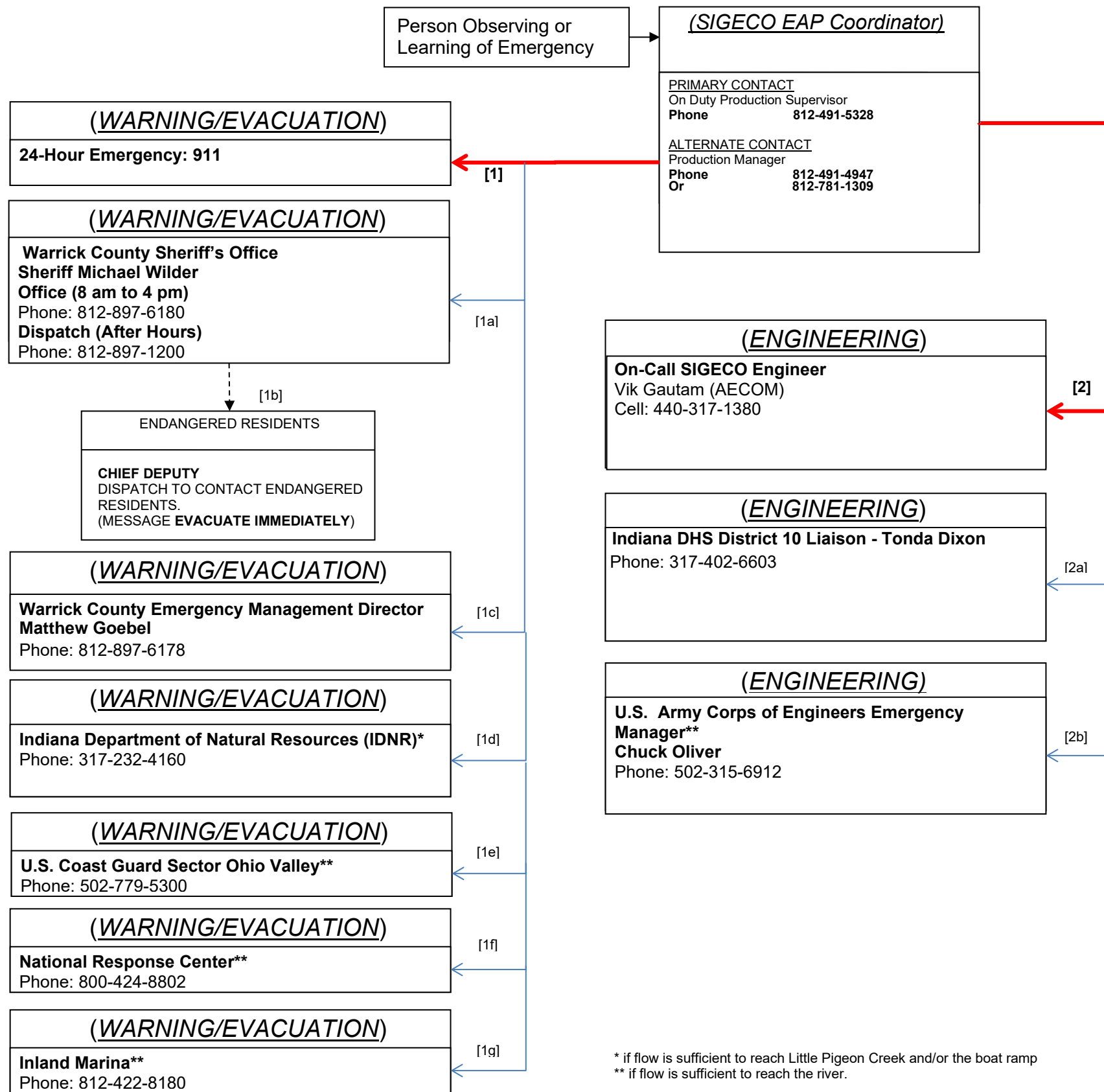
2) SECOND LEVEL CALLS (as warranted) ———

3) THIRD LEVEL CALLS (as warranted) - - - - -

See Table 2.2, *Emergency Responders Contact Information*, in the EAP for additional contact information.

EVENT LEVEL 1 NOTIFICATION

EMERGENCY EVENT, IMMINENT DAM FAILURE OR FLASH FLOOD



Suggested EAP Coordinator Message

- This is the [redacted]. I am making this call in accordance with the F.B. Culley Generating Plant EAP.
- Problems have occurred with F.B. Culley Generating Plant.
- The EAP has been activated, currently at the emergency level (Level 1).
- Impact to the Ohio River is possible.
- Flooding along the Little Pigeon Creek is possible.
- **Prepare to evacuate** along the Little Pigeon Creek.
- We will keep you apprised of the situation. The best telephone number to reach me during this event is ... (state the best number to reach you).

See Table 2.2, *Emergency Responders Contact Information*, in the EAP for additional contact information.

NOTE:
1) [1], [2], [3], etc., DENOTES SUGGESTED CALLSEQUENCE

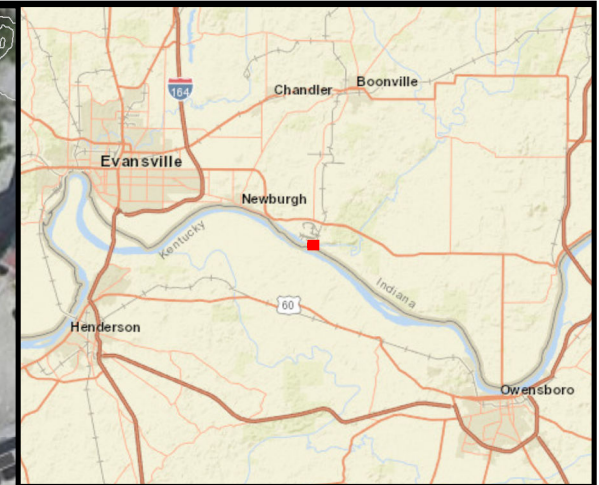
LEGEND:

1) CALLS BY EAP COORDINATOR ———

2) SECOND LEVEL CALLS (as warranted) ———

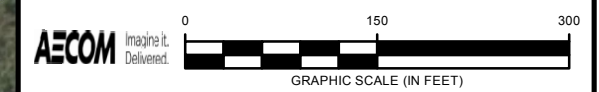
3) THIRD LEVEL CALLS (as warranted) - - - - -

* if flow is sufficient to reach Little Pigeon Creek and/or the boat ramp
 ** if flow is sufficient to reach the river.



LEGEND

- Aboveground berm
- Limit of Likely Dike Failure
- Inundation Based on Contour Analysis
- Surface Elevation Contour (2')
- Presumed Dike Failure Location
- Approximate Culley East Pond Limits

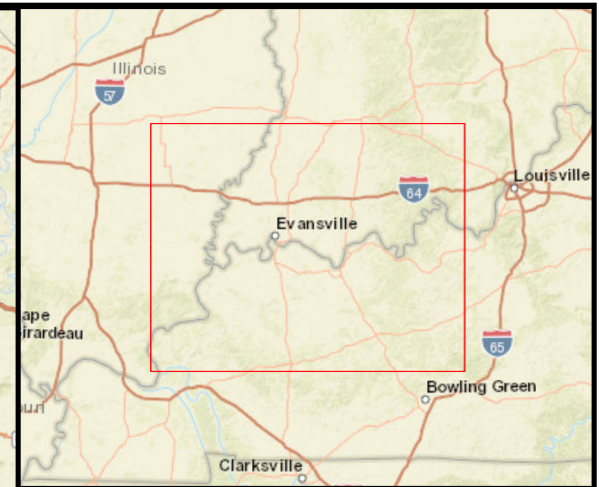
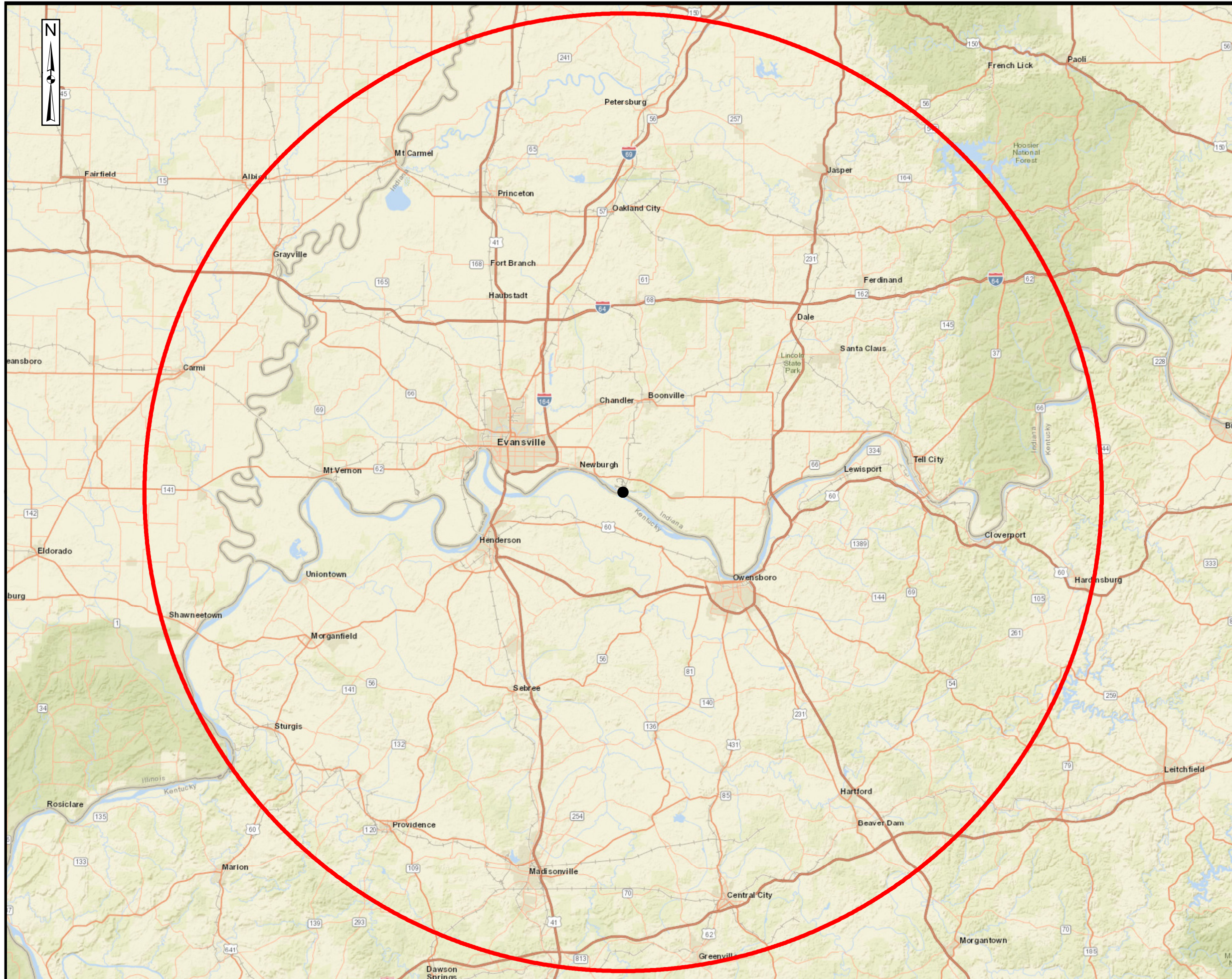


TITLE
**CULLEY EAST POND
 DOWNSTREAM AREA MAP**
 YANKEETOWN, INDIANA

FOR
F.B. CULLEY GENERATING STATION

	SCALE: 1" = 150'	DES:
	DWG TYPE: GIS	DFTR: KB
	JOB NO. 60442676	CHKD: MW
DATE: 11/02/2021	ENGR: JP	
FILENAME: CulleyEast_ContourAnalysis.mxd	APPD: JP	

DWG SIZE	DRAWING NO.	REVISION
11"X17"	4	0

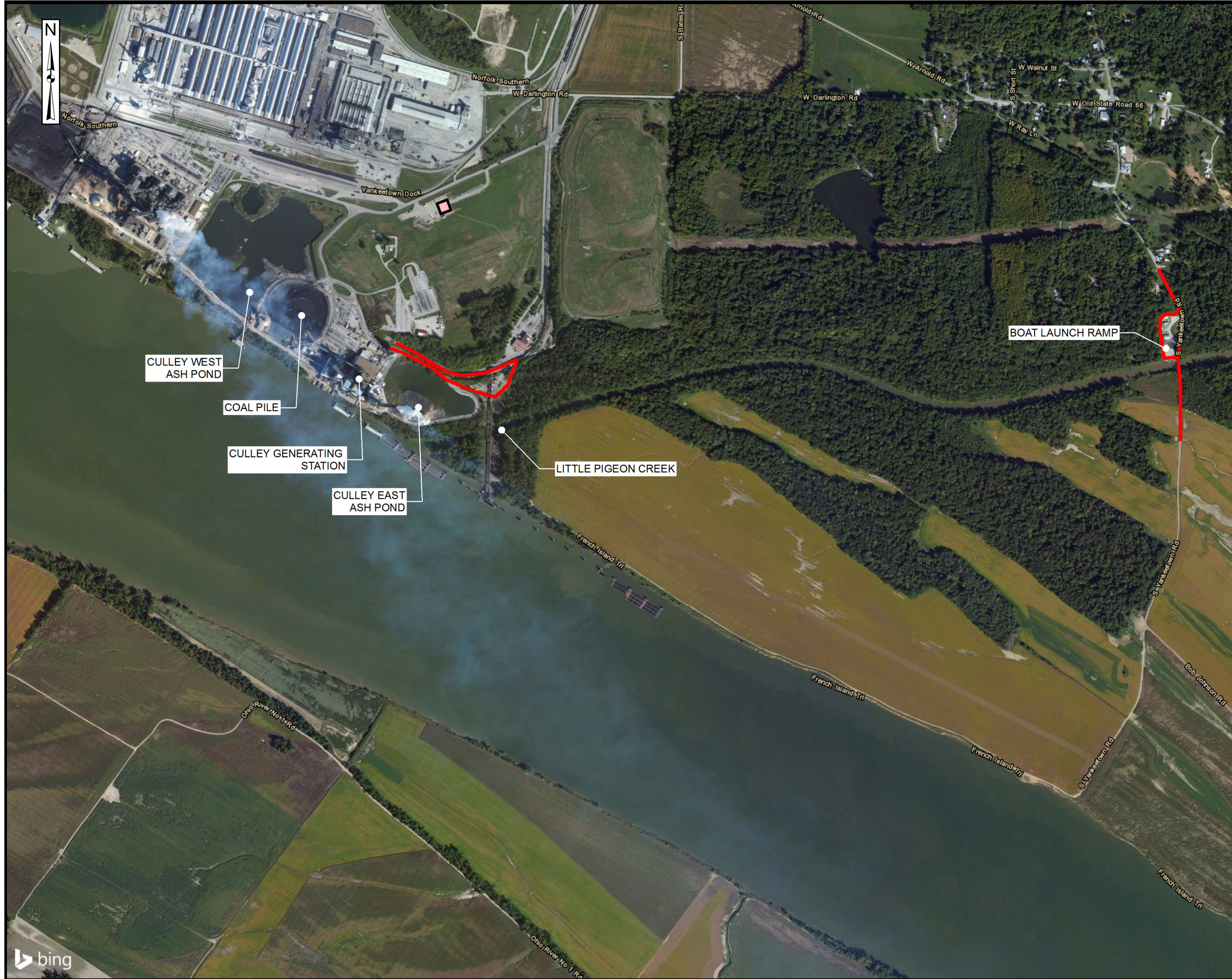


LEGEND



- Culley East Embankment
- ◻ 50-Mile Radius of Culley East Embankment



TITLE		
50-MILE RADIUS FROM CULLEY EAST EMBANKMENT		
FOR		
F.B. CULLEY GENERATING STATION		
	SCALE: 1" = 10 miles	DES:
	DWG TYPE: GIS	DFTR: KB
	JOB NO. 60442676	CHKD: AS
DATE: 11/02/2021	ENGR: JP	
FILENAME: Culley_50mile radius embankment.mxd	APPD: JP	
DWG SIZE	DRAWING NO.	REVISION
11"x17"	5	0




LEGEND

-  Possible Incident Command Center
-  Potential Road Closure

Note: The area depicted within the orange dashed line was interpolated due to an anomaly with the LIDAR data. The raw elevation data exhibited a signature resembling the outline of a steam plume and the resulting contours did not reflect actual site conditions.



TITLE
ROAD CLOSURE MAP

FOR		F.B. CULLEY GENERATING STATION	
	SCALE: 1" = 10 miles	DES:	
	DWG TYPE: GIS	DFTR: JV	
	JOB NO. 60442676	CHKD: AS	
	DATE: 11/02/2021	ENGR: JP	
FILENAME: Road Closure Map.mxd		APPD: JP	

DWG SIZE	DRAWING NO.	REVISION
11"X17"	6	0

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