

SCS ENGINEERS

December 21, 2017
File No. 25211357.33

Mr. Jeff Harter
Plant Leader-Environmental
Indianapolis Power & Light
Petersburg Generating Station
6925 N. State Road 57
Petersburg, IN 47567

Subject: Dike Inspection - Petersburg Generating Station Ash Pond Facilities
2017-1, November 17, 2017

Dear Mr. Harter:

SCS Engineers (SCS) is pleased to submit this dike and basin inspection report for the Indianapolis Power & Light (IPL) Petersburg Generating Station Ash Pond Facilities. Mr. David M. Hendron, PE, has prepared this report. The report presents a Summary of Visual Observations, and Conclusions and Recommendations. Mr. Hendron performed the inspection on November 17, 2017. Mr. Hendron made a presentation summarizing the findings and recommendations contained in this report to Mr. Wil Teague at the conclusion of the inspection.

Following the inspection, Mr. Hendron completed the IPL Dike Field Review Checklist. The completed form is given in **Attachment A** to this report. During the inspection, Mr. Hendron documented conditions observed by the photographs shown in **Attachment B** to this report.

The general layout of the ash ponds at the Petersburg Generating Station is shown on **Figure 1**. At the time of the inspection, IPL was using Pond A and Pond A Discharge for processing bottom ash materials from plant operations. IPL went to dry ash processing in the recent past and will use only Pond A and Pond A Discharge for bottom ash processing only in the future. The present plans are to cease use of all ash ponds in April 2018.

SUMMARY OF VISUAL OBSERVATIONS

There were no observations of problem areas or areas of instability in the ponds being actively used by IPL during this inspection. Further details of the results of the inspection are presented in the following sections of this report.

Mr. Wil Teague, Environmental Coordinator, was a facility contact for the inspection. Mr. Teague accompanied Mr. Hendron during the inspection. Weather conditions during the inspection were clear and cool.



SUMMARY OF OBSERVATIONS OF THE ASH PONDS

1. General - Operational Status of the Ash Ponds

- a. The only sluicing being done is going to Pond A. Material sluiced to Pond A will remain in Pond A until the cessation of use and closure of Pond A in 2018.
- b. The south portion of Pond A, formerly redesignated as Pond D, is being used for construction of the new waste water treatment plant. This area is not included in the scope of this inspection.
- c. Pond C was used to process wet bottom ash, excavated flyash, and FGD slurry materials from Pond A until September 2017. At that time, closure of Pond C was initiated in the same general manner that Pond B was closed.

2. Pond A

- a. No significant problems were observed during the inspection.
- b. Pond A had limited capacity at the time of this inspection.
- c. There was sluicing of bottom ash and scrubber sludge going on into Pond A at the time of the inspection. This sluicing is scheduled to continue until April 2018 at the present time.
- d. There has been an emergency spillway constructed in the intermediate dike between Pond A and Pond A'. The spillway was recommended and designed by CH2MHill. The spillway was constructed and operational at the time of this inspection.

3. Pond A (Discharge)

- a. No significant problems were observed during the inspection.
- b. Discharge pipe from Pond A Discharge to Lick Creek was visible at the time of this inspection. Rip rap on the downstream slope of Pond A Discharge dike appeared stable. The exposed end of the discharge pipe looked in good condition.
- c. CH2MHill also recommended and designed an emergency spillway on top of the downstream dike for Pond A'. The spillway was constructed and operational at the time of this inspection.

4. Pond C

- a. Pond C was not being used for processing ash slurry materials generated from the excavation activities in Pond A at the time of this inspection.
- b. Pond C is not included in scope of this inspection.

5. General Observations

- a. Overall, the slopes of the ash ponds inspected look to be in satisfactory condition.
- b. IPL has constructed two emergency spillways as identified earlier in these notes. SCS has requested the design drawings for these spillways. SCS has not reviewed the

underlying documents for these facilities but understands that they have been designed and sealed by a registered Indiana professional engineer from CH2MHill.

CONCLUSIONS AND RECOMMENDATIONS

Based on the visual inspection, the dikes that form Ponds A and C appeared to be in satisfactory condition. SCS has no recommendations for further actions on the part of IPL as a result of this inspection.

SCS appreciates the opportunity to perform this inspection and looks forward to assisting IPL in future inspection of their ash disposal facilities. If you have any questions with regard to this report, please do not hesitate to contact me at (312) 286-9397.

Sincerely yours,



David M. Hendron, PE
Indiana PE 10000050
SCS ENGINEERS

DH/lmh

Enclosures: Figure 1 – Site Location Showing Basin Configuration
Attachment A – IPL Dike Field Review Checklist Form
Attachment B – Photographs

FIGURE 1

Site Location Showing Basin Configuration

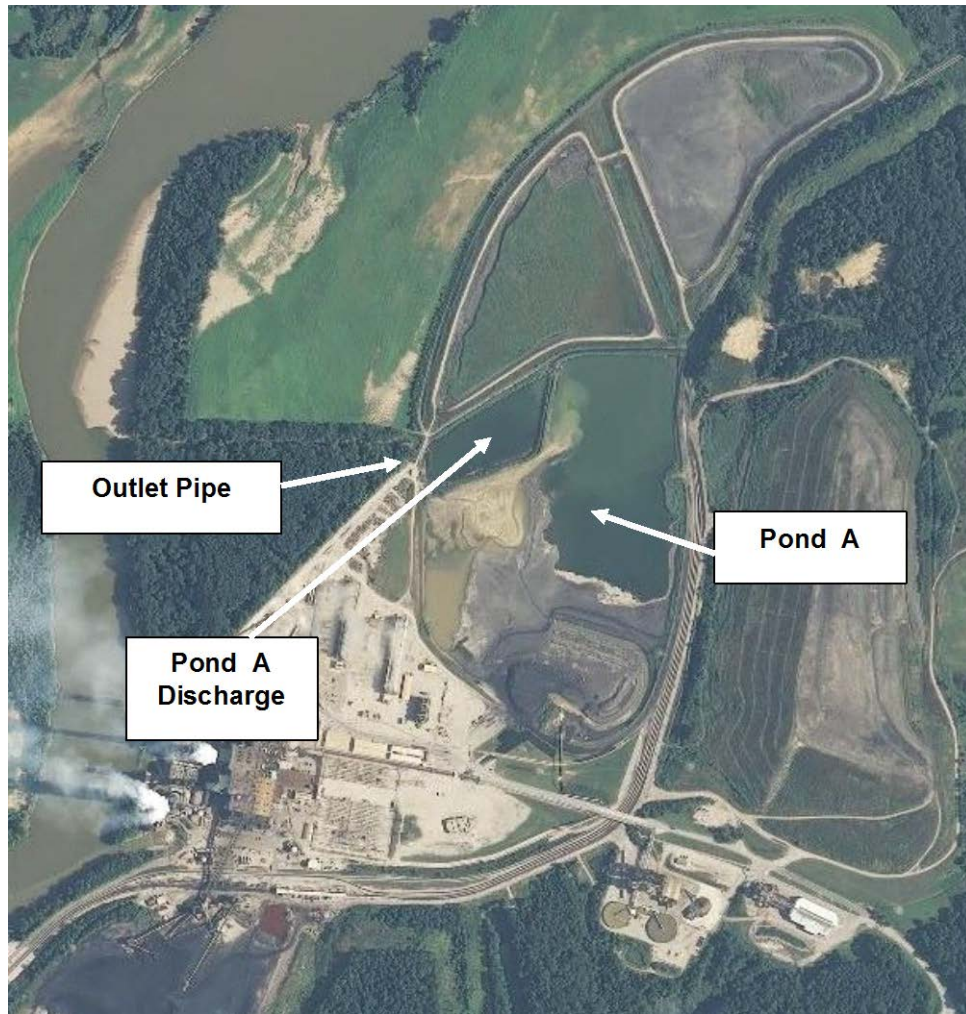


Figure 1. Site Location Showing Basin Configuration

ATTACHMENT A

IPL Dike Field Review Checklist Form

Attachment A - IPL Dike Field Review Checklist – 17-1 Inspection Report Petersburg Station

1) Complete all Portions of this Section (Pre-review)

Date of Review: **November 17, 2017**

Name of Dike: **Ash Ponds A, Pond A Discharge** Project Number **#25211357.33**

2) Review Inventory – Highlight missing information (Pre-review)

Owner(s) Name(s): **Indianapolis Power & Light Company (IPL)**

Address: **6925 N. State Rd 57**

City: **Petersburg** State: **Indiana** Zip (+4) **47467**

Telephone (Home): Telephone (Work): **812-354-7224**

Contact Person: **Wil Teague**

Designed By: **IPL**

Constructed By:

Year Completed: **Various** Plans Available (Yes, No) (Location): **Partial**

Purpose of Dike: **Ash slurry processing**

Age of Dike: **Various**

3) General Information

Mowing (times per year): **Once or twice during dry times**

Prior problems (wet areas, erosion, slides): **See prior inspection reports. Pond A and Pond A Discharge were the ponds being used for ash processing at the time of the inspection. Ponds B and C were in the process of closure construction activities and were not included in this inspection report.**

Repair or modification (what & when):

Failure/Incident/Breach (max. pool): **None**

Downstream hazard status (recent changes): **None**

Dike Embankment Material: **Ponds A and Pond A Discharge – compacted natural soil materials – based on results of borings completed in 2011.**

Slope Erosion Control: **No problems observed during this inspection.**

4) Field Information (while at site)

Pool Elevation (during review): **Pond A and Pond A Discharge were essentially full at the time of the inspection and there was discharge into Lick Creek.**

Site Conditions (temp., weather, ground moisture): **Cool and clear. Heavy rainfall in the days prior to the inspection.**

Review Party: **David M. Hendron and Wil Teague**

{General Information, Inside Slope, Crest, Outside Slope, Outlet/Inlet Structures, Pond Drain}

5) INSIDE SLOPE

Gradient: Horizontal: 3.0 Vertical: 1.0 (est. meas.)

Required
Action
None
Monitor
Maintenance
Engineer

x ☐ VEGETATION [no problem]

- ☐ Trees: Quantity: (<5, sparse, dense) _____
Diameter: (<6", 6-12", >12") _____
Location: _____
Notes: _____
- ☐ Brush: Quantity: (sparse, dense) _____
Location: _____
Notes: _____
- ☐ Ground Cover: Type: (grass, crown vetch) Other: _____
Quantity: (bare, sparse, adequate, dense) _____
Appearance: (too tall, too short, good) _____
Notes: _____

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

x ☐ SLOPE PROTECTION [no problem]

- ☐ None
- ☐ Riprap: Average Diameter: _____
(adequate, sparse, displaced, weathered, vegetation) (bedding/fabric noted=yes, no)
Notes: _____
- ☐ Wave Berm: _____
Vegetation: (adequate, bare, sparse, improper vegetation) _____
Notes: _____
- ☐ Other: _____
Notes: _____

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

x ☐ EROSION [no problem, could not inspect thoroughly]

- ☐ Wave Erosion (beaching): Scarp: Length: _____ Height: _____
Location: _____
Notes: _____
- ☐ Runoff Erosion (Gullies): Quantity: _____
Depth: _____ Width: _____ Length: _____
Location: _____
Notes/Causes: _____

☐ ☐ ☐

☐ ☐ ☐ ☐

x ☐ INSTABILITIES [no problem, could not inspect thoroughly]

- ☐ Slides: Transverse Length: _____ Longitudinal Length: _____
Scarp: Width: _____ Length: _____
Location: _____
Crack: Width: _____ Depth: _____
Notes/Causes: _____
- ☐ Cracks: ☐ Transverse ☐ Longitudinal ☐ Other
Quantity: _____ Length: _____ Width: _____ Depth: _____
Location: _____
Notes/Causes: _____

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

{Inside Slope, Crest, Outside Slope, Outlet/Inlet Structures, Pond Drain}

Required
Action
None
Monitor
Maintenance
Engineer

None	Monitor	Maintenance	Engineer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Cracks: ☐ Transverse ☐ Longitudinal ☐ Other
 Quantity: _____ Length: _____ Width: _____ Depth: _____
 Location: _____
 Notes/Causes: _____

☐ Bulges ☐ Depressions ☐ Hummocky
 Size: _____ Height: _____ Depth: _____
 Location: _____
 Notes/Causes: _____

☐ Bulges ☐ Depressions ☐ Hummocky
 Size: _____ Height: _____ Depth: _____
 Location: _____
 Notes/Causes: _____

☐ **OTHER** [no problem could not inspect thoroughly]
☒ Rodent Burrows: (few, numerous) **None observed**
 Location: _____
 Notes/Causes: _____

☒ Other: **None observed**
6) CREST Length: _____ Width: _____ (est. meas.)

☒ **VEGETATION** [no problem]

☐ Trees: Quantity: (<5, sparse, dense) _____
 Diameter: (<6", 6-12", >12") _____
 Location: _____
 Notes: _____

☐ Brush: Quantity: (sparse, dense) _____
 Location: _____
 Notes: _____

☐ Ground Cover: Type: (grass, crown vetch) Other: _____
 Quantity: (bare, sparse, adequate, dense) _____
 Appearance: (too tall, too short, good) _____
 Notes: _____

☒ **EROSION** [no problem]

☐ Runoff Erosion (Gullies): Quantity: _____ Depth: _____ Width: _____ Length: _____
 Location: _____
 Notes: _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------

{Inside Slope, Crest, Outside Slope, Outlet/Inlet Structures, Pond Drain}

None	Monitor	Maintenance	Engineer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Required
Action

x ☐ **WIDTH [no problem]**

☐ Too Narrow

Location: _____

Notes/Causes: _____

☐ ☐ ☐ ☐

x ☐ **INSTABILITIES [no problem]**

☐ Cracks: ☐ Transverse ☐ Longitudinal ☐ Other

Quantity: _____ Length: _____ Width: _____ Depth: _____

Location: _____

Notes/Causes: _____

☐ ☐ ☐ ☐

☐ Cracks: ☐ Transverse ☐ Longitudinal ☐ Other

Quantity: _____ Length: _____ Width: _____ Depth: _____

Location: _____

Notes/Causes: _____

☐ ☐ ☐ ☐

☐ Bulges: ☐ Depressions ☐ Hummocky

Size: _____ Height: _____ Depth: _____

Location: _____

Notes/Causes: _____

☐ ☐ ☐ ☐

x ☐ **OTHER [no problem]**

☐ Rodent Burrows: (few, numerous) _____

Location: _____

Notes: _____

☐ Other: _____

Notes: _____

☐ ☐ ☐ ☐

7) OUTSIDE SLOPE Gradient: Horizontal: 3.0 Vertical: 1.0 (est. meas.)

x ☐ **VEGETATION [no problem]**

☐ Trees: Quantity: (<5, sparse, dense) _____

Diameter: (<6", 6-12", >12") _____

☐ Brush: Quantity: (sparse, dense) _____

Location: _____

Notes: _____

☐ ☐ ☐ ☐

x ☐ Ground Cover: Type: (grass, crown vetch) **Mowing of slopes was completed prior to the inspection. No damage to the slopes from the mowing operations.**

Quantity: (bare, sparse, **adequate**, dense)

Appearance: (too tall, too short, **good**)

Notes: _____

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

{Inside Slope, **Crest**, **Outside Slope**, Outlet/Inlet Structures, Pond Drain}

☐ ☐ ☐ ☐

		Required Action			
		None	Monitor	Maintenance	Engineer
x <input type="checkbox"/> EROSION [no problem] <input type="checkbox"/> Runoff Erosion (Gullies): Quantity: _____ Depth: _____ Width: _____ Length: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x <input type="checkbox"/> INSTABILITIES [no problem] <input type="checkbox"/> Slides: Transverse Length: _____ Longitudinal Length: _____ Scarp: Width: _____ Length: _____ Location: _____ Crack: Width: _____ Length: _____ Notes/Causes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cracks: <input type="checkbox"/> Transverse <input type="checkbox"/> Longitudinal <input type="checkbox"/> Other Quantity: _____ Length: _____ Width: _____ Depth: _____ Location: _____ Notes/Causes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cracks: <input type="checkbox"/> Transverse <input type="checkbox"/> Longitudinal <input type="checkbox"/> Other Quantity: _____ Length: _____ Width: _____ Depth: _____ Location: _____ Notes/Causes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Bulges: <input type="checkbox"/> Depressions <input type="checkbox"/> Hummocky Size: _____ Height: _____ Depth: _____ Location: _____ Notes/Causes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x <input type="checkbox"/> OTHER [no problem] x <input type="checkbox"/> Rodent Burrows: (few, numerous) <u>None observed</u> _____ Location: _____ Notes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other: _____ Notes: _____					
x <input type="checkbox"/> SEEPAGE [no problem] <input type="checkbox"/> Wet Area <input type="checkbox"/> Flow <input type="checkbox"/> Boil <input type="checkbox"/> Sinkhole Flow Rate _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Aquatic Vegetation – <input type="checkbox"/> Rust Colored Deposits <input type="checkbox"/> None <input type="checkbox"/> Sediment in Flow <input type="checkbox"/> None <input type="checkbox"/> Other: _____ Notes/Causes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
{Inside Slope, Crest, Outside Slope , Outlet/Inlet Structures, Pond Drain}					

☐ Wet Area ☐ Flow ☐ Boil ☐ Sinkhole
 Flow Rate _____ Size: _____
 Location: _____
☐ Aquatic Vegetation ☐ None
☐ Rust Colored Deposits ☐ None
☐ Sediment in Flow ☐ None
☐ Other: _____
 Notes/Causes: _____

8) OUTLET/INLET STRUCTURES

x ☐ GENERAL INLET [no problem]

☐ Inlet Pipe Dimensions: _____ (adequate, too small)
 Type: (steel, concrete, aluminum, stainless steel, corrugated metal wood, other): _____
 Location: _____
 Deterioration: (missing sections, rusted, collapsed) _____
 In Use: (Yes, No) _____
☐ Pond Erosion at Inlet: (Describe) _____

☐ Other _____

x ☐ OUTLET STRUCTURES [no problem]

☐ Number of Outlet Structures: **One**
X ☐ Description/Location of Outlet Structures: **In the northwest portion of Pond A -**

Discharge.

x ☐ Outlet Structure 1:
 Type: (steel, **concrete**, aluminum, stainless steel, corrugated metal wood, other):

Recommended repairs in previous report completed and continue to operate satisfactorily.

Deterioration: (missing section, collapsed, rusted)
 Erosion at Outlet Structure: (soil piping, seep collar, etc.)
 Debris: (leaves, trash, logs, ice, etc.) _____

Notes: _____

{Inside Slope, Crest, Outside Slope, **Outlet/Inlet Structures**, Pond Drain}

☐ Outlet Structure 2

Type: (steel, concrete, aluminum, stainless steel, corrugated metal wood, other): _____

Deterioration:(missing section, collapsed, rusted): _____

Erosion at Outlet Structure: (soil piping, seep collar, etc.) _____

Debris: (leaves, trash, logs, ice, etc.) _____

Notes: _____

☐ ☐ ☐ ☐

☐ Outlet Structure 3 Dimensions: _____

Type: (steel, concrete, aluminum, stainless steel, corrugated metal wood, other): _____

Deterioration:(missing section, collapsed, rusted): _____

Erosion at Outlet Structure: (soil piping, seep collar, etc.) _____

Debris: (leaves, trash, logs, ice, etc.) _____

Notes: _____

☐ ☐ ☐ ☐

9) POND DRAIN

x ☐ GENERAL

☐ None Found ☐ Does not have one

☐ Type of Pond Drain

(isolated control/intake tower, valve vault w/outlet conduit, valve in riser/drop inlet, siphon)

Notes: _____

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

x ☐ Operated During Inspection (yes, **no**)

Notes: _____

☐ ☐ ☐ ☐

x ☐ ACCESS TO VALVE/SLUICE GATE [no problem]

☐ Type (not accessible, from shore, boat, **walkway**, other) _____

Notes: _____

☐ ☐ ☐ ☐

☐ Walkway/Platform: _____

☐ Concrete Deterioration ☐ Cracks (platform, piers, end supports, railing)

Location: _____

Notes: _____

☐ ☐ ☐ ☐

{Inside Slope, Crest, Outside Slope, **Outlet/Inlet Structures**, **Pond Drain**}

		Required Action			
		None	Monitor	Maintenance	Engineer
<input type="checkbox"/>	Wood Deterioration Notes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Metal Deterioration (minor, moderate, extensive, other) Notes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x	POND DRAIN COMPONENTS [no problem]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Concrete Structure Locations: _____ Description: (deterioration, misalignment, cracks): _____ Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Valve Control (Operating Device) <input type="checkbox"/> No Operating Device <input type="checkbox"/> No Stem <input type="checkbox"/> Bent/Broken Stem <input type="checkbox"/> Other Notes/Operability: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Metal Deterioration: (surface rust, minor, moderate, extensive, other) Location: _____ Flow Rate: _____ Notes/Causes: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Mis-alignment Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Leakage – Flow Rate: Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Outlet Conduit <input type="checkbox"/> Metal: (loss of coating/paint, surface rust, corrosion (pitting, scaling), rusted out) Location: _____ Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Concrete (bug holes, hairline crack, efflorescence) (spalling, popouts, honeycombing, scaling, craze/map cracks) (isolated crack, exposed rebar, disintegration, other) Dimensions/Location: _____ Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Plastic: (deterioration, cracking) _____ Location: _____ Notes/Causes: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
{Inside Slope, Crest, Outside Slope, Outlet/Inlet Structures, Pond Drain }		None	Monitor	Maintenance	Engineer
		Required Action			

		Required Action			
		None	Monitor	Maintenance	Engineer
<input type="checkbox"/> Conduit Deformation	<input type="checkbox"/> Mis-Alignment:				
Location: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Separated Joint	<input type="checkbox"/> Loss of Joint Material				
Location/Description: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Undermining					
Location/Description: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Vegetation (trees, brush)					
Notes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Other					
Notes: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Discharge Outlet					
<input type="checkbox"/> Type (pipe outlet, concrete channel, rock-lined channel, none)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes: _____					

<input type="checkbox"/> Riprap: Average Diameter:					
(adequate, sparse, displaced, weathered, vegetation) bedding/fabric noted – yes, no))		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes: _____					

<input type="checkbox"/> Concrete	(bug holes, hairline crack, efflorescence)				
(spalling, popouts, honeycombing, scaling, craze/map cracks)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(isolated crack, exposed rebar, disintegration, other)					
Dimensions/Location: _____					
Notes/Causes: _____					

<input type="checkbox"/> Mis-alignment					
Location/Description: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Separated Joint	<input type="checkbox"/> Loss of Joint Material				
Location/Description: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Undermining					
Location/Description: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Causes: _____					

<input type="checkbox"/> Other					
Notes: _____					

{Inside Slope, Crest, Outside Slope, Outlet/Inlet Structures, Pond Drain }					

None
Monitor
Maintenance
Engineer
Required Action

ATTACHMENT B

Photographs

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 1: Pond A west dike, looking north



Photo 2: Same as Photo 1, looking south



Photo 3: Pond A Discharge, looking north

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 4: Discharge into Pond A from plant, looking east from south dike of Pond A Discharge



Photo 5: Same as Photo 4, looking southwest



Photo 6: Same as Photo 4, looking east

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 7: Pond A, looking southwest from south dike of Pond A Discharge



Photo 8: Same as Photo 7, looking south



Photo 9: Same as Photo 7, looking south.

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 10: Same as Photo 7, looking southeast



Photo 11: Same as Photo 7, looking east



Photo 12: South upper lift of perimeter dike of Pond B, looking west

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 13: Pond B closure activities, looking south from the center of Pond B



Photo 14: Same as Photo 13, looking southeast



Photo 15: Same as Photo 13, looking east

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 16: Same as Photo 13, looking northeast



Photo 17: Same as Photo 13, looking north



Photo 18: Same as Photo 13, looking northwest

Photo

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 19: Same as Photo 13, looking west



Photo 20: Same as Photo 13, looking southwest



Photo 21: Same as Photo 13, looking south

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 22: Typical conditions on the exterior of the west side of the lower dike of Pond B, looking southwest



Photo 23: Same as Photo 22, looking west



Photo 24: Same as Photo 22, looking northwest

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 25: Closure activities on the top of Pond C, looking south



Photo 26: Same as Photo 25, looking southeast



Photo 27: Same as Photo 25, looking east

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 28: Same as Photo 25, looking northeast



Photo 29: Same as Photo 25, looking north



Photo 30: Same as Photo 25, looking northwest

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 31: Same as Photo 25, looking west



Photo 32: Same as Photo 25, looking southwest



Photo 33: Fluid conditions at the toe of the upper dike of the northeast corner of Pond C. Heavy rainfall occurred in the days prior to the inspection. No active visual seepage occurring at the time of the inspection. Looking west.

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 34: Same as Photo 33, looking east



Photo 35: Typical conditions along west perimeter dike of Pond C, looking south



Photo 36: Fill surface of former Pond D – bottom ash storage area. Area is presently paved with a gravel surface and not being used for ash processing. Looking west.

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 37: Same as Photo 36, looking south



Photo 38: Same as Photo 36, looking southeast



Photo 39: Pond A, looking northeast from paved area shown in Photos 35 to 38

**Petersburg Plant – Photos from 17-1 Inspection
2600 State Highway 57 North
SCS Engineers Project #25211357.33**



Photo 40: Same as Photo 39, looking north



Photo 41: Same as Photo 39, looking northwest



Photo 42: Same as Photo 39, looking west