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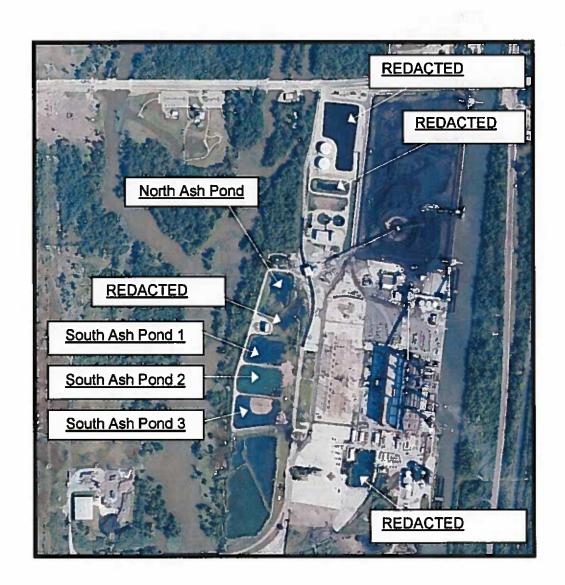
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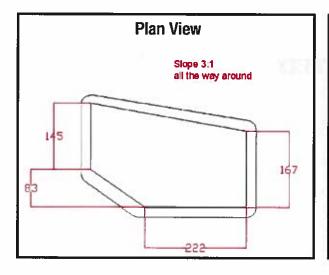
# WILL COUNTY GENERATING STATION

529 East 135<sup>th</sup> Street Romeoville, IL 60446-1538



### **WILL COUNTY North Ash Pond**

Ash Settling Pond





Dimensions: about 167' x 333' Capacity: about 520,000 ft3 Depth: 7'

Bottom: 6-6" Lifts of Poz-O-Pac with a Bituminous Curing Coat

Sides: Poz-O-Pac at a 10'-0" horizontal depth with a Bituminous Curing Coat

Where Pond feeds too: Off-site Ash Removal

Waste Water Treatment Plant => Outfall 002 => Chicago Sanitary and Ship

Canal

or

Recycle back to Coal-Fired Steam Electric Generating Process

(note: From the Slag & Ash Pond, flow may be diverted around the Waste

Water Treatment plant directly to Outfall 002)

**Rotation Cycle: None** 

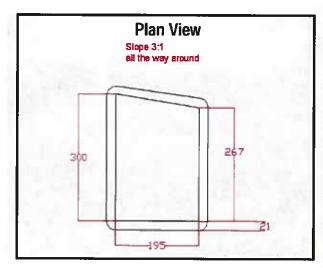
Construction Year of Pond: 1977

**Construction Year of Current Liner: 1977** 

	Yes	No
Is this an internal monitoring point?	$\circ$	
If yes, where:		
Can it be recycled within itself?	$\circ$	
Can it be Recycled to an earlier point?		0

### WILL COUNTY South Ash Pond 1

Ash Settling Pond





Dimensions: about 300' x 195' Depth: 7' Capacity: about 460,000 ft<sup>3</sup>

Bottom: 6-6" Lifts of Poz-O-Pac with a Bituminous Curing Coat

Sides: Poz-O-Pac at a 10'-0" horizontal depth with a Bituminous Curing Coat

Where Pond feeds too: Off-site Ash Removal

or

Waste Water Treatment Plant => Outfall 002 => Chicago Sanitary and Ship

Canal

OF

Recycle back to Coal-Fired Steam Electric Generating Process

(note: From the Slag & Ash Pond, flow may be diverted around the Waste

Water Treatment plant directly to Outfall 002)

Rotation Cycle: None

Construction Year of Pond: 1977

Construction Year of Current Liner: 1977

Yes No

Is this an internal monitoring point?

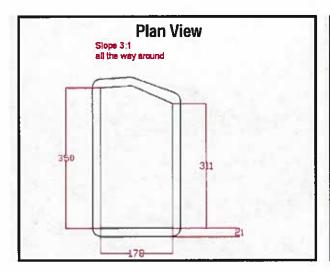
If yes, where:

Can it be recycled within itself?

Can it be Recycled to an earlier point?

### WILL COUNTY South Ash Pond 2

Ash Settling Pond





Dimensions: about 350' x 178' Depth: 7' Capacity: about 510,000 ft<sup>3</sup>

Bottom: 6-6"Lifts of Poz-O-Pac with a Bituminous Curing Coat

Sides: Poz-O-Pac at a 10'-0" horizontal depth with a Bituminous Curing Coat

Where Pond feeds too: Off-site Ash Removal

or

Waste Water Treatment Plant => Outfall 002 => Chicago Sanitary and Ship Canal

Gall

ОГ

Recycle back to Coal-Fired Steam Electric Generating Process

(note: From the Slag & Ash Pond, flow may be diverted around the Waste

Water Treatment plant directly to Outfall 002)

**Rotation Cycle: None** 

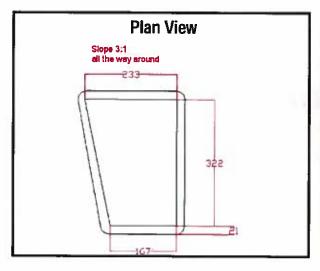
**Construction Year of Pond: 1977** 

Construction Year of Current Liner: 1977

	Yes	No 🔻
Is this an internal monitoring point?	$\bigcirc$	
If yes, where:		
Can it be recycled within itself?	$\circ$	
Can it be Recycled to an earlier point?		$\circ$

### **WILL COUNTY** South Ash Pond 3

Ash Settling Pond





Dimensions: about 234' x 322'

Depth: 7'

Capacity: about 530,000 ft3

Bottom: 6-6" Lifta of Poz-O-Pac with a Bituminous Curing Coat

Sides: Poz-O-Pac at a 10'-0" horizontal depth with a Bituminous Curing Coat

Where Pond feeds too: Off-site Ash Removal

Waste Water Treatment Plant => Outfall 002 => Chicago Sanitary and Ship

Canal or

Recycle back to Coal-Fired Steam Electric Generating Process

(note: From the Slag & Ash Pond, flow may be diverted around the Waste

Water Treatment plant directly to Outfall 002)

**Rotation Cycle: None** 

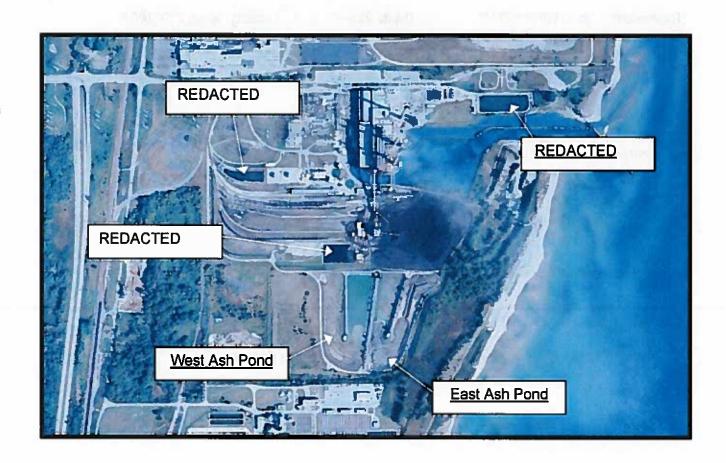
Construction Year of Pond: 1977

Construction Year of Current Liner: 1977

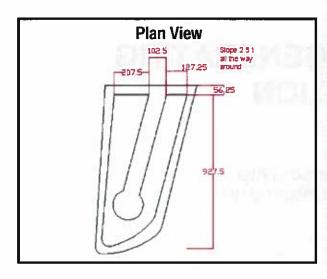
	Yes	No
Is this an internal monitoring point?	$\circ$	
If yes, where:		
Can it be recycled within itself?	$\circ$	
Can it be Recycled to an earlier point?		0

## WAUKEGAN GENERATING STATION

401 E Greenwood Ave. Waukegan, IL 60087-5197



### WAUKEGAN East Ash Pond Ash Settling Pond





Dimensions: about 927.5' x 437.5' Depth: 22.5 Capacity: about 7,700,000 ft<sup>3</sup>

Bottom: Liner covered by 12" of sand topped by 6" of limestone screenings

Sides: Liner over new compacted fill

Where Pond feeds too: Wastewater treatment plant => Outfall C01 => Outfall 001 => Lake Michigan

or

Sluice water head tank

Rotation Cycle: As needed between East Ash Pond and West Ash Pond

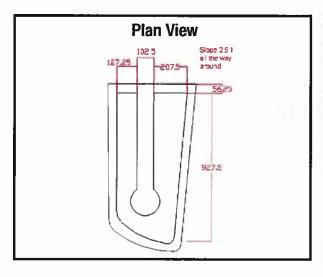
Construction Year of Pond: 1977

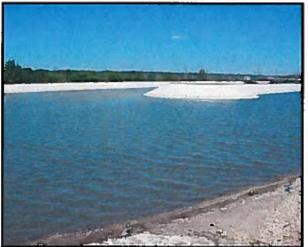
Construction Year of Current Liner: 2002

	Yes	No
Is this an internal monitoring point?  If yes, where:	0	•
Can it be recycled within itself?	0	•
Can it be Recycled to an earlier point?	•	0

If yes, where: Sluice Water head tank to Coal-fired Steam Electric Generating Process

### **WAUKEGAN West Ash Pond** Ash Settling Pond





Dimensions: about 927.5' x 437.5' Depth: 22.5

Capacity: about 6,500,000 ft3

Bottom: Liner covered by 12" of sand topped by 6" of limestone screenings

Sides: Liner over new compacted fill

Where Pond feeds too: Wastewater treatment plant => Outfall C01 => Outfall 001 => Lake Michigan

Sluice water head tank

Rotation Cycle: As needed between East Ash Pond and West Ash Pond Construction Year of Pond: 1977

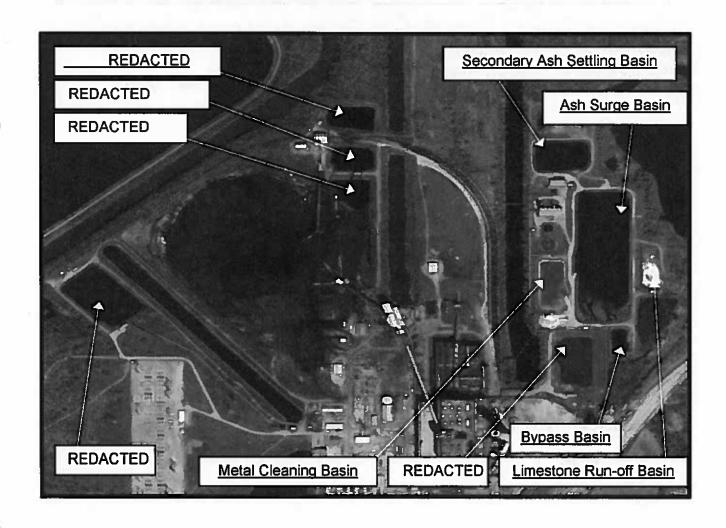
**Construction Year of Current Liner: 2002** 

	Yes	No
Is this an internal monitoring point?  If yes, where:	$\circ$	
Can it be recycled within itself?	$\circ$	
Can it be Recycled to an earlier point?		$\circ$

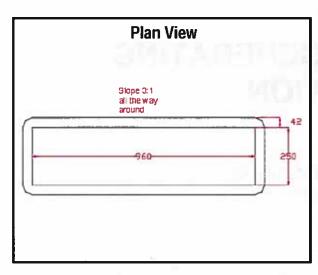
If yes, where: Sluice Water head tank to Coal-fired Steam Electric Generating Process

# POWERTON GENERATING STATION

13082 East Manito Rd Pekin, IL 61554-8587



## **POWERTON** Ash Surge Basin Ash Settling Basin

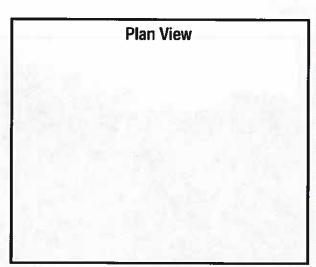


If yes, where:



Dimensions: about 960' x 250' Bottom: Lined with 2-6" Lifts of Poz-O-Pac v Sides: Hypalon membrane liner over compa		
		Outfall 001 => Old Intake Channel => Illinois
or		
Outfall 001 => Old	d Intake Chan	nel => Illinois River
(note: this pond c	an be bypasso	ed to the Ash Bypass Pond)
		e overflow from Secondary Ash Settling Pond) loned yard, may handle emergency overflow)
Rotation Cycle: None		
Construction Year of Pond: 1978		
Construction Year of Current Liner: 1978		
	Yes	No
Is this an internal monitoring point?	0	
If yes, where:		
Can it be recycled within itself?		0
Can it be Recycled to an earlier point?	0	

# POWERTON Bypass Basin Ash Surge Bypass Basin





Dimensions: Not enough information Depth: Not enough information Capacity: Not enough information

Bottom: Not enough information Sides: Not enough information

Where Pond feeds too: Secondary Ash Settling Basin => Outfall 001 => Old Intake Channel => Illinois

River

or

Ash Surge Basin => Secondary Ash Settling Basin => Outfall 001 => Old

Intake Channel => Illinois River

(note: Cooling Pond may handle overflow from Secondary Ash Settling Pond) (note: Old Ash Basin, an abandoned yard, may handle emergency overflow

from Ash Surge Basin)

Rotation Cycle: None

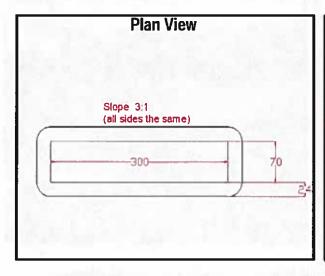
Construction Year of Pond: early 1980's

Construction Year of Current Liner: Not enough information

	Yes	No
Is this an internal monitoring point?	0	
If yes, where:		
Can it be recycled within itself?	0	
Can it be Recycled to an earlier point?	0	
If ves. where:		

### POWERTON Limestone Run-off Basin

Limestone Settling Basin (Not in Service)





Dimensions: 300' x 70' Depth: 8' Capacity: about 240,000 ft<sup>3</sup>

Bottom: Lined with 2-6" Lifts of Poz-O-Pac with a bituminous curing coat.

Sides: Hypalon membrane liner over compacted fill Where Pond feeds too: Old Ash Basin (Abandoned Yard)

Rotation Cycle: None

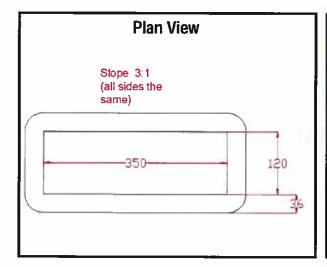
Construction Year of Pond: 1978

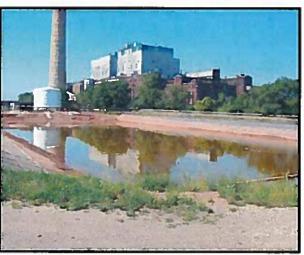
**Construction Year of Current Liner: 1978** 

	Yes	No
Is this an internal monitoring point?  If yes, where:	0	
Can it be recycled within itself?	0	
Can it be Recycled to an earlier point?	0	
If yes, where:		

### **POWERTON Metal Cleaning Basin**

Metal Settling Basin





Dimensions: 350' x 120'

Depth: 12'

Capacity: about 720,000 ft3

Bottom: Lined with 2-6" Lifts of Poz-O-Pac with a bituminous curing coat.

Sides: Hypalon membrane liner over compacted fill

Where Pond feeds too: Ash Settling Basin => Settling Basin => Outfall 001 => Old Intake Channel =>

Illinois River

(note: flow from the Metal Cleaning Treatment System can be sent back to the

Metal Cleaning Basin)

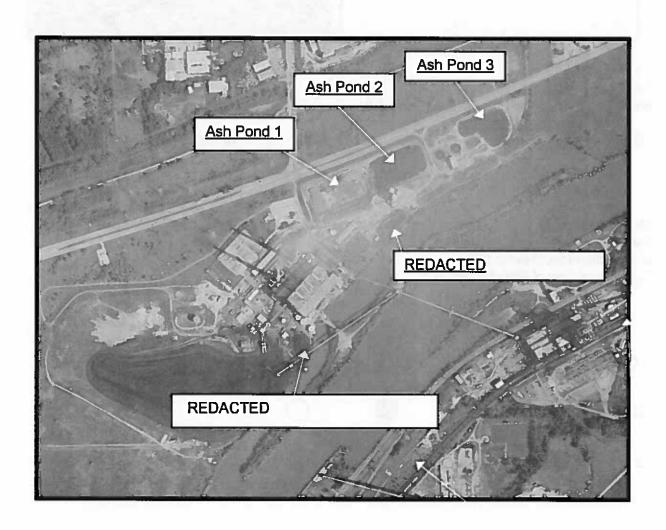
Rotation Cycle: None Construction Year of Pond: 1978

**Construction Year of Current Liner: 1978** 

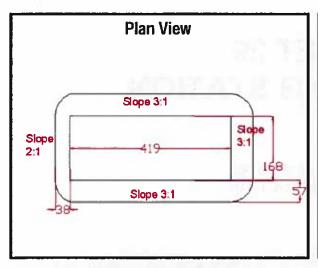
	Yes	No
Is this an internal monitoring point?	0	
If yes, where:		
Can it be recycled within itself?	0	
Can it be Recycled to an earlier point?	0	
If ves. where:		

# JOLIET 29 GENERATING STATION

1800 Channahon Rd Joliet, IL 60436-1538



# JOLIET 29 Ash Pond 1 Ash Settling Pond





Dimensions: 168' x 419'

Depth: 19'

Capacity: about 2,000,000 ft3

Bottom: 2 – 6" lifts of Poz-O-Pac with a Bituminous Seal Coat over 12" of granular material compacted

90%

Sides: 2 – 6" lifts of Poz-O-Pac with a bituminous seal coat. Top 15' (horizontal) class III rip-rap all around pond.

(note: Poz-O-Pac composed of 3% hydrated line, 20% Fly Ash, 77% Boiler or Slag Aggregate. Poz-O-Pac Density is 136.9 lb per a cubic foot.)

Where Pond feeds too: Ash Pond 3 => Outfall 001g => Des Plaines River or Pump and Screen House Rotation Cycle: As needed between Ash Pond 1 and Ash Pond 2 (typically 6 months to a year)

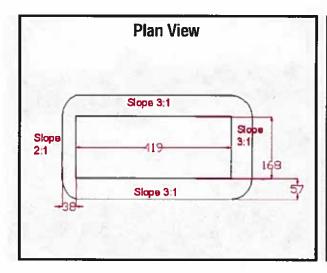
Construction Year of Pond: 1978

**Construction Year of Current Liner: 1978** 

Yes	No
0	
	0
0	•
	Yes

If yes, where: Ash transport from Ash Pond 3

# JOLIET 29 Ash Pond 2 Ash Settling Pond





Dimensions: 168' x 419'

Depth: 19'

Capacity: about 2,000,000 ft<sup>3</sup>

Rettom: 2.6" Lifts of Pox O. Pac with a Riturningus Soal Cost over 12" of grapular material compacted.

Bottom: 2-6" Lifts of Poz-O-Pac with a Bituminous Seal Coat over 12" of granular material compacted

90%

Sides: 2-6" Lifts Poz-O-Pac with a bituminous seal coat. Top 15' (horizontal) class III rip-rap all around pond.

(note: Poz-O-Pac composed of 3% hydrated line, 20% Fly Ash, 77% Boiler or Slag Aggregate. Poz-O-Pac Density is 136.9 lb per a cubic foot.)

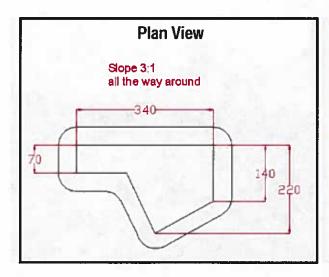
Where Pond feeds too: Ash Pond 3 => Outfall 001g => Des Plaines River or Pump and Screen House Rotation Cycle: As needed between Ash Pond 1 and Ash Pond 2 (typically 6 months to a year)

Construction Year of Pond: 1978

**Construction Year of Current Liner: 1978** 

	Yes	No
Is this an internal monitoring point?  If yes, where:	$\circ$	
Can it be recycled within itself?		0
Can it be Recycled to an earlier point?	$\circ$	
If ves. where:		

### JOLIET 29 Ash Pond 3 Clarifying Pond





Dimensions: about 340' x 220' Depth: 15' Capacity: about 1,100,000 ft<sup>3</sup>
Bottom: 2-6" Lifts of Poz-O-Pac with a Bituminous Seal Coat over 12" of granular material compacted

90% (Based on composition of Ash Ponds 1 and 2)

Sides: 2-6" Lifts of Poz-O-Pac with a bituminous seal coat. Top 15' (horizontal) class III rip-rap all around pond. (Based on composition of Ash Ponds 1 and 2)

(note: Poz-O-Pac composed of 3% hydrated line, 20% Fly Ash, 77% Boiler or Slag Aggregate. Poz-O-Pac Density is 136.9 lb per a cubic foot.)

Where Pond feeds too: Outfall 001g => Des Plaines River or Pump and Screen House

Rotation Cycle: None

Construction Year of Pond: 1978

**Construction Year of Current Liner: 1978** 

Yes	No
	0
	0
	0
	Yes

If yes, where: Ash transport from Ash Pond 3

#### Definition of a Lift:

A lift is a layer of material that is placed to a certain height, and then compacted.

2-6" lifts would mean placing a layer of the material a little over 0.5 feet and then compacting, followed by another layer of 0.5 feet and then compacting. The 2 references the number of lifts and the 6" references the height of each lift before compaction.

#### **Definitions of Poz-O-Pac:**

Poz-O-Pac is a base course product consisting of a blend of lime, fly ash and aggregate. Numerous variations have evolved since the early 1970's all falling under the heading: pozzolan-stabalized base (PSB).

District Market Street