

1. Incident Name Fly Ash Pond Incident	2. Operational Period to be covered by IAP (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00	CG IAP COVER SHEET
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3. Approved by:

<u>ORG</u>	<u>NAME</u>
FOSC	Les Sims (EPA) <i>[Signature]</i>
SOSC	Bob Alexander (TDEC) <i>[Signature]</i>
IC	Tim Hope <i>[Signature]</i>
Roane County	H. Rose <i>[Signature]</i>

INCIDENT ACTION PLAN

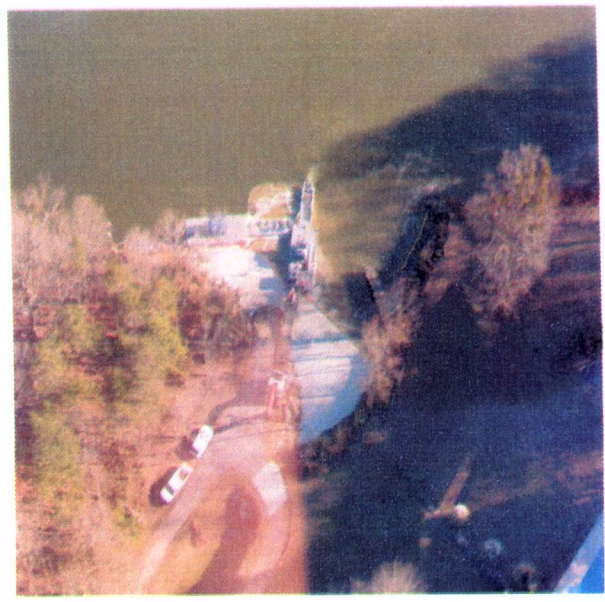
The items checked below are included in this Incident Action Plan:

- ICS 202-OS (Response Objectives)
- ICS 203-OS (Organization List) - or - ICS 207-OS (Organization Chart)
- ICS 204-CGs (Assignment Lists)
One Copy each of any ICS 204-CG attachments:
- ICS 205-CG (Communications Plan)
- ICS 206-CG (Medical Plan)
- ICS 208-CG (Site Safety Plan) or Note SSP Location _____
- Map/Chart
- Weather forecast / Tides/Currents

Other Attachements

- ICS 207 - Incident Organizational Chart
- ICS 220 - Air Operations Summary
- ICS 232 - Resources at Risk
- Report of Evaluation and Agreement by TDEC
- _____
- _____
- _____
- _____
- _____
- _____

Incident Picture



4. Prepared by: Don Costanzo	Date/Time: DEC 31 08 10:25
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1. Incident Name Fly Ash Pond Incident	2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00	INCIDENT OBJECTIVES ICS 202-CG
3. Objective(s) <ul style="list-style-type: none"> • Ensure the Safety of Citizens and Response Personnel • Keep the Public and Stakeholders Informed of Response Activities • Maximize the Protection of Environmentally Sensitive Areas • Return Community to Normal Conditions 		
4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions) <ul style="list-style-type: none"> • Update the stakeholders on a regular basis. • Company personnel to develop long range remediation project plan. • Develop and implement byproduct management plan. • Maximize Road and Rail Clean Up, along with Weir construction. • Implement TDEC Cenosphere Plan. • Establish Data Management System. • Conduct Multi-Media Sampling. • Develop Debris Clean Up Plan. 		
Approved Site Safety Plan Located at:		
10. Prepared by: (Planning Section Chief) Don Costanzo		Date / Time: DEC 31 08 08:15

1. Incident Name					2. Operational Period (Date / Time)		Assignment List	
Fly Ash Pond Incident					From: JAN 1 09 06:00 To: JAN 3 09 06:00		ICS 204-CG	
3. Branch			4. Division/Group/Staging					
Recovery & Construction			Recovery & Construction					
5. Operational Personnel		Name	Affiliation	Contact # (s)				
Operations Section Chief:		Bob Summers	Tennessee Valley Authority					
Branch Director:		Brad Workman	Tennessee Valley Authority					
Division/Group Supervisor/STAM:								
6. Resources Assigned					"X" indicates 204a attachment with additional instructions			
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks				
13 Track Hoes				On Site				<input type="checkbox"/>
12 D6 Dozers				On Site				<input type="checkbox"/>
9 D8 Dozers				On Site				<input type="checkbox"/>
2 Fuel Trucks				On Site				<input type="checkbox"/>
4 Water Pump				On Site				<input type="checkbox"/>
15 Light Plants				On Site				<input type="checkbox"/>
2 Amphi Track Hoes				On Site				<input type="checkbox"/>
7 Back Dumps				On Site				<input type="checkbox"/>
5 Loaders				On Site				<input type="checkbox"/>
4 ATV				On Site				<input type="checkbox"/>
51 - Personnel				On Site				<input type="checkbox"/>
7. Work Assignments Clear Railroad Tracks of all debris. Clear Swan Pond Road of all debris. Clear Swan Pond Circle Rd. Drain Valley behind church. Dig trench to dredge in Lake Shore Slough and monitor recovered volumes. Dig trench to dredge in Swan Pond Slough and monitor recovered volumes. Erect fences for private citizens if needed. Clean private driveways. Operations will continue through the night.								
8. Special Instructions All personnel are to follow guidelines set forth in the Site Safety Plan. All new personnel are to check in with security. All personnel are to refer any media inquiries to the Joint Information Center (JIC). Report all injuries to a safety representative as soon as possible. Resources are shared with the South Side Road operations.								
9. Communications (radio and/or phone contact numbers needed for this assignment)								
Name / Function		Radio Freq./System/Channel			Phone		Cell/Pager	
_____		_____			_____		_____	
_____		_____			_____		_____	
_____		_____			_____		_____	
Emergency Communications								
Medical: 911			Evacuation: _____			Other: _____		
10. Prepared by		Date/Time	11. Reviewed by (PSC)		Date/Time	12. Reviewed by (OSC)		Date/Time
Josh Dubach		DEC 31 08 09:34						

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

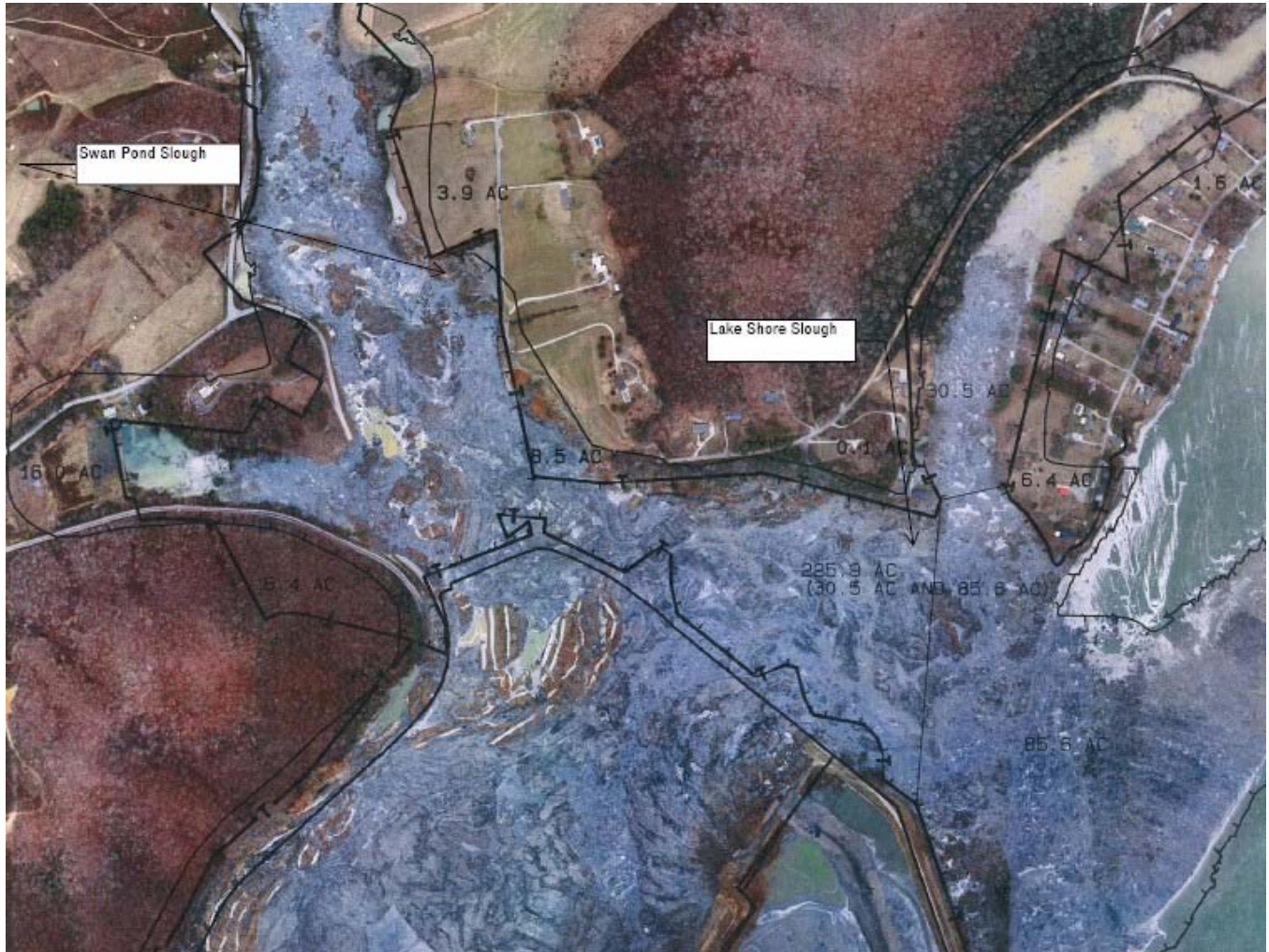
From: DEC 29 08 06:00 To: DEC 30 08 06:00

Assignment Picture Attachment

ICS 204-a2

Organization Name

North and South Side of Road

ID#**Area Of Operation****Prepared By: (Situation Unit)**

Josh Dubach

Date / Time:

DEC 28 08 16:53

1. Incident Name					2. Operational Period (Date / Time)		Assignment List	
Fly Ash Pond Incident					From: JAN 1 09 06:00 To: JAN 3 09 06:00		ICS 204-CG	
3. Branch			4. Division/Group/Staging					
Debris Removal			On Water					
5. Operational Personnel		Name	Affiliation		Contact # (s)			
Operations Section Chief:		Bob Summers	TVA					
Branch Director:		Tony Knight	TVA					
Division/Group Supervisor/STAM:		Tony Knight	TVA					
6. Resources Assigned					"X" indicates 204a attachment with additional instructions			
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks				
2 - Cranes				On Site <input type="checkbox"/>				
7 - Barges				On Site <input type="checkbox"/>				
12 - Personnel				On Site <input type="checkbox"/>				
1 - Excavator				On Site <input type="checkbox"/>				
2 - Tug Boats				On Site <input type="checkbox"/>				
7. Work Assignments								
<p>Remove all floating and visible submerged debris from waterway. Disposal will be determined at a later date. Barges will be unloaded shore side by the excavator.</p>								
8. Special Instructions								
<p>All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear PFDs while working on the water.</p>								
9. Communications (radio and/or phone contact numbers needed for this assignment)								
Name / Function		Radio Freq./System/Channel			Phone		Cell/Pager	
Hailing Frequency		Ch 16						
Emergency Communications								
Medical: 911			Evacuation:			Other:		
10. Prepared by		Date/Time	11. Reviewed by (PSC)		Date/Time	12. Reviewed by (OSC)		Date/Time
Calvin (Bud) Kline		DEC 31 08 16:01						

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Debris Removal		4. Division/Group/Staging Land		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	TVA		
Branch Director:	Tony Knight	TVA		
Division/Group Supervisor/STAM:	Bennett Simar	O'Briens Response Management		
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
ATV				On Site <input type="checkbox"/>
Hepaco Personnnel				On Site <input type="checkbox"/>
Roll Off Boxes				On Site <input type="checkbox"/>
7. Work Assignments				
<p>Remove debris from shoreline. Debris will be stored in roll off boxes for disposal. This group will be working in all divisions. Lead will work closely with Community Outreach.</p>				
8. Special Instructions				
<p>All personnel will be marked with high visibility vests. Tailgate Safety Meetings will be conducted prior to the days operations. All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear PFDs while working on the water. If a deceased bird is found, do not touch. Mark the birds location and call the Command Post immediately.</p>				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: 911	Evacuation: _____	Other: _____		
10. Prepared by Calvin (Bud) Kline		11. Reviewed by (PSC) Date/Time		12. Reviewed by (OSC) Date/Time
DEC 31 08 14:17				

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG	
3. Branch Response		4. Division/Group/Staging Division A			
5. Operational Personnel		Contact # (s)			
Operations Section Chief: Bob Summers		Tennessee Valley Authority			
Branch Director: Mark Ploen		O'Briens Response Management			
Division/Group Supervisor/STAM: Pete Parker		O'Briens Response Management			
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	
3,700' - 18" Boom • 3,700 ft	Todd Robinson			On Site <input type="checkbox"/>	
1- Boom Trailer	Todd Robinson			On Site <input type="checkbox"/>	
1 - Air Mover	Todd Robinson			On Site <input type="checkbox"/>	
5 - Hepaco Work Boats				On Site <input type="checkbox"/>	
45 - Personnel			45	On Site <input type="checkbox"/>	
1 - Foilex Skimmer	Todd Robinson			On Site <input type="checkbox"/>	
4 - Vacuum Trucks				On Site <input type="checkbox"/>	
7. Work Assignments					
<p>Deploy boom in a protective fashion to protect sensitive areas. Methods of booming may include deflection or exclusion. Boom has been placed south of the Harriman Utility Board Water Intake to prevent migration. This will be daylight operations only.</p>					
8. Special Instructions					
<p>Tailgate Safety Meetings will be conducted prior to the days operations. Areas may be sensitive according to environmental, economical, or ecological concerns. All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear a PFD while working on the water. If a deceased bird is found, do not touch. Mark the birds location and call the Command Post immediately.</p>					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager		
_____	_____	_____	_____		
_____	_____	_____	_____		
Emergency Communications					
Medical: 911		Evacuation: _____		Other: _____	
10. Prepared by Josh Dubach		11. Reviewed by (PSC) Date/Time DEC 31 08 14:55		12. Reviewed by (OSC) Date/Time	

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

From: JAN 1 09 06:00 To: JAN 3 09 06:00

Assignment Picture Attachment

ICS 204-a2

Organization Name

Division A

ID#**Area Of Operation****Prepared By: (Situation Unit)**

Josh Dubach

Date / Time:

DEC 31 08 14:55

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Response		4. Division/Group/Staging Division B		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	Tennessee Valley Authority		
Branch Director:	Mark Ploen	O'Briens Response Management		
Division/Group Supervisor/STAM:	Trent Sehlinger	O'Briens Response Management		
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
15 - Personnel			15	On Site <input type="checkbox"/>
800' - 18" Boom • 800 ft				On Site <input type="checkbox"/>
3 - Workboat				On Site <input type="checkbox"/>
1 - Barge Skimmer				On Site <input type="checkbox"/>
7. Work Assignments				
<p>Recover floating debris wherever possible. Make use of catch booms to recover material in the heaviest concentrations possible. Recover material making landfall on public beaches. These will be daylight operations only.</p>				
8. Special Instructions				
<p>Tailgate Safety Meetings will be conducted prior to the days operations. All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear PFDs while working on the water. If a deceased bird is found, do not touch. Mark the birds location and call the Command Post immediately.</p>				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: 911	Evacuation: _____	Other: _____		
10. Prepared by Josh Dubach		11. Reviewed by (PSC) Date/Time		12. Reviewed by (OSC) Date/Time
DEC 31 08 14:11				

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Response		4. Division/Group/Staging Division C		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	Tennessee Valley Authority		
Branch Director:	Mark Ploen	O'Briens Response Management		
Division/Group Supervisor/STAM:	Steve Smith	O'Briens Response Management		
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
9 - SWS Work Boat	Todd Robinson			On Site <input type="checkbox"/>
5 - Vacuum Truck	Todd Robinson			On Site <input type="checkbox"/>
18" Boom • 2,600 ft	Todd Robinson			On Site <input type="checkbox"/>
1 40 - Personnel, 40	Todd Robinson		24	On Site <input type="checkbox"/>
7. Work Assignments				
Recover floating debris wherever possible. Make use of catch booms to recover material in the heaviest concentrations possible. Recover material making landfall on public beaches. These will be daylight operations only.				
8. Special Instructions				
Tailgate Safety Meetings will be conducted prior to the days operations. All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear PFDs while working on the water. If a deceased bird is found, do not touch. Mark the birds location and call the Command Post immediately.				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: _____	Evacuation: _____	Other: _____		
10. Prepared by Calvin (Bud) Kline		Date/Time DEC 31 08 14:12	11. Reviewed by (PSC) _____	
		Date/Time	12. Reviewed by (OSC) _____	
			Date/Time	

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

From: JAN 1 09 06:00 To: JAN 3 09 06:00

Assignment Picture Attachment

ICS 204-a2

Organization Name

Division C

ID#**Area Of Operation****Prepared By: (Situation Unit)**

Calvin (Bud) Kline

Date / Time:

DEC 31 08 14:12

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG	
3. Branch Response		4. Division/Group/Staging Division D			
5. Operational Personnel		Name Affiliation Contact # (s)			
Operations Section Chief: Bob Summers		Tennessee Valley Authority			
Branch Director: Mark Ploen		O'Briens Response Management			
Division/Group Supervisor/STAM: Andy Sylvest		O'Briens Response Management			
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	
4,900' - 18" Boom • 4,900 ft				On Site <input type="checkbox"/>	
5 - Workboat				On Site <input type="checkbox"/>	
1- Vacuum Truck				On Site <input type="checkbox"/>	
2 - Skimming Barge Sets	Archie Cook	On Site		On Site <input type="checkbox"/>	
1 - Track Hoe				On Site <input type="checkbox"/>	
17 - Personnel			19	On Site <input type="checkbox"/>	
7. Work Assignments					
<p>Recover floating debris wherever possible. Make use of catch booms to recover material in the heaviest concentrations possible. Recover material making landfall on public beaches. These will be daylight operations only. Kingston Water Intake has been boomed off and will be maintained.</p>					
8. Special Instructions					
<p>Tailgate Safety Meetings will be conducted prior to the days operations. All personnel will follow the guidelines set forth in the Site Safety Plan. All incidents and near misses will be reported to a safety representative as soon as possible. On water operations will not be conducted while visibility is limited unless it is safe to do so. All personnel will wear PFDs while working on the water. If a deceased bird is found, do not touch. Mark the birds location and call the Command Post immediately.</p>					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager		
_____	_____	_____	_____		
_____	_____	_____	_____		
Emergency Communications					
Medical: 911		Evacuation: _____		Other: _____	
10. Prepared by Calvin (Bud) Kline		11. Reviewed by (PSC) Date/Time DEC 31 08 14:52		12. Reviewed by (OSC) Date/Time	

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

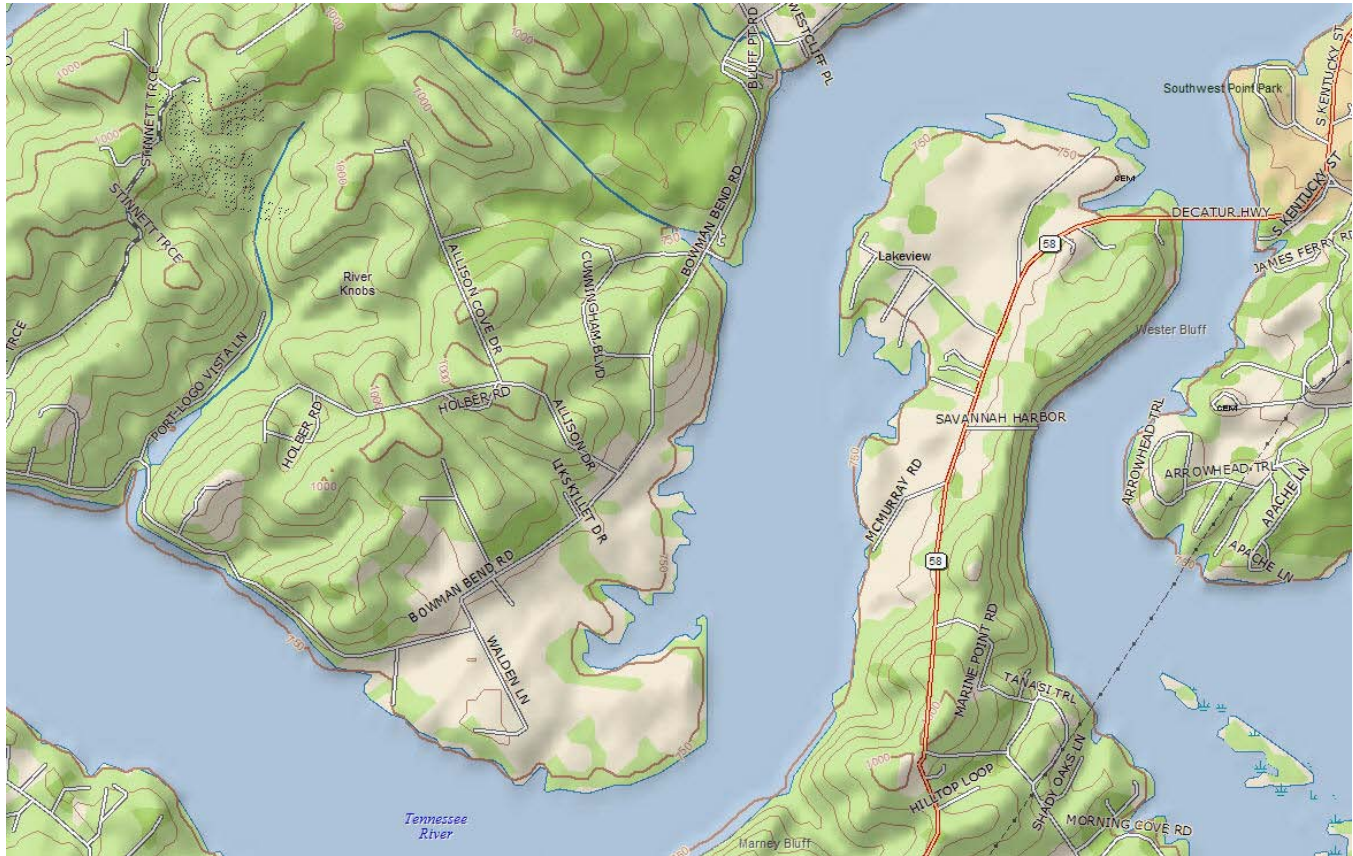
From: JAN 1 09 06:00 To: JAN 3 09 06:00

Assignment Picture Attachment

ICS 204-a2

Organization Name

Division D

ID#**Area Of Operation****Prepared By: (Situation Unit)**

Calvin (Bud) Kline

Date / Time:

DEC 31 08 14:52

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

From: JAN 1 09 06:00 To: JAN 3 09 06:00

Assignment Picture Attachment

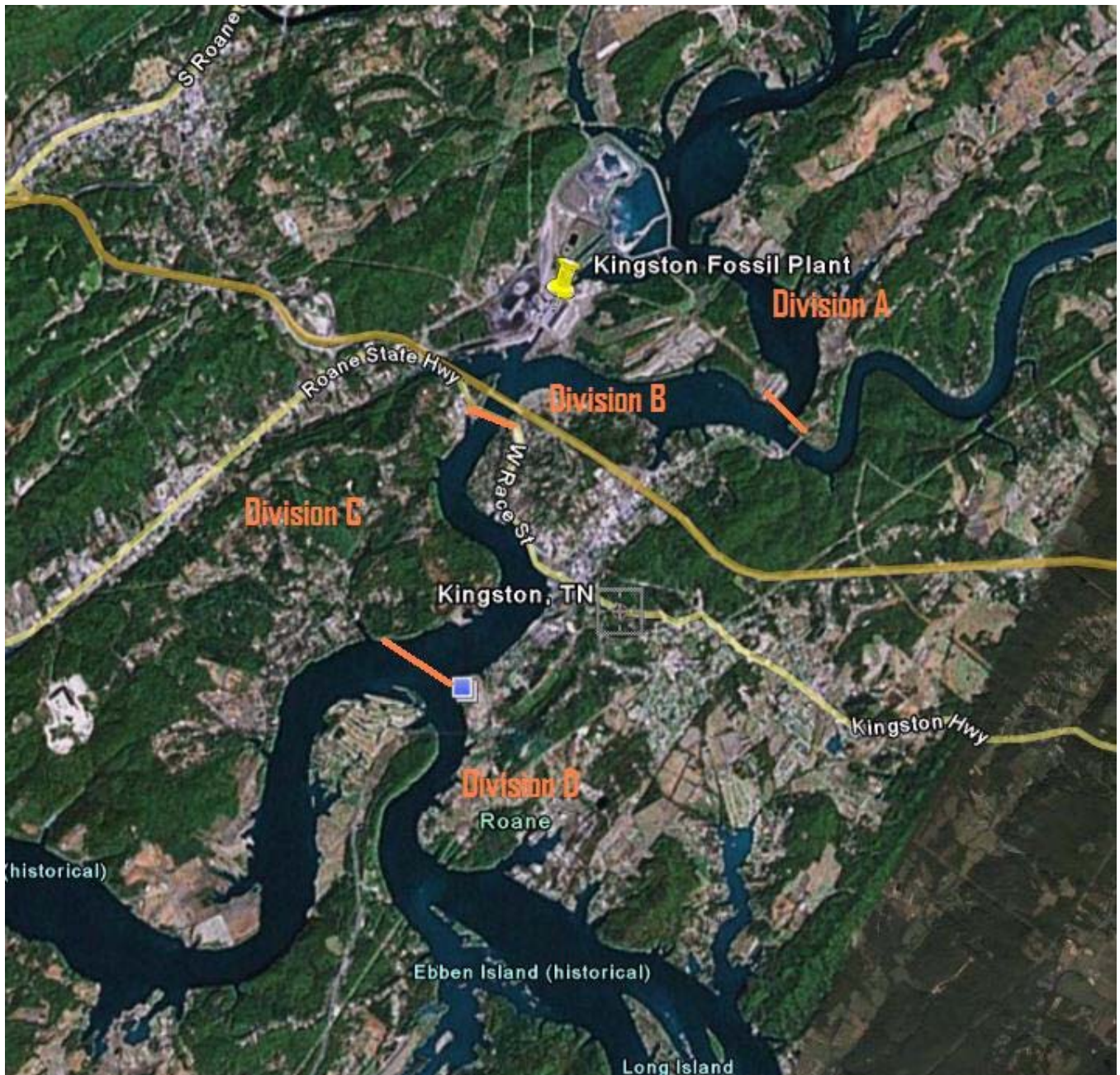
ICS 204-a2

Organization Name

Response

ID#

Area Of Operation



Prepared By: (Situation Unit)

Josh Dubach

Date / Time:

DEC 31 08 14:15

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Weir Buliding Branch		4. Division/Group/Staging Weir # 1 Group		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers			
Branch Director:	Brad Workman			
Division/Group Supervisor/STAM:	Dennis Yankee			
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
1 - Cranes				On Site <input type="checkbox"/>
1 - Barges				On Site <input type="checkbox"/>
5 - Dump Trucks				On Site <input type="checkbox"/>
7. Work Assignments				
<p>Weir #1 is currently under construction.</p> <p>Weir #1's location is as marked on the attached map.</p> <p>Rock is currently being shipped in from Louden.</p> <p>Rock for the weir is currently being brought in both by land & water.</p>				
8. Special Instructions				
<p>All personnel to follow guidelines set forth in the Site Safety Plan.</p> <p>Report all incidents and near misses to a safety representative as soon as possible.</p>				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: 911	Evacuation: _____	Other: _____		
10. Prepared by Josh Dubach		11. Reviewed by (PSC) Date/Time DEC 31 08 15:09		12. Reviewed by (OSC) Date/Time

1. Incident Name					2. Operational Period (Date / Time)		Assignment List	
Fly Ash Pond Incident					From: JAN 1 09 06:00 To: JAN 3 09 06:00		ICS 204-CG	
3. Branch			4. Division/Group/Staging					
Weir Buliding Branch			Weir # 2 Group					
5. Operational Personnel		Name	Affiliation		Contact # (s)			
Operations Section Chief:		Bob Summers						
Branch Director:		Brad Workman						
Division/Group Supervisor/STAM:								
6. Resources Assigned					"X" indicates 204a attachment with additional instructions			
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks				
No Resources Assigned								<input type="checkbox"/>
7. Work Assignments								
Weir #2 is currently in the engineering phase. It's location is designated on the attached map.								
8. Special Instructions								
9. Communications (radio and/or phone contact numbers needed for this assignment)								
Name / Function	Radio Freq./System/Channel				Phone	Cell/Pager		
_____	_____				_____	_____		
_____	_____				_____	_____		
_____	_____				_____	_____		
Emergency Communications								
Medical: _____			Evacuation: _____			Other: _____		
10. Prepared by		Date/Time	11. Reviewed by (PSC)		Date/Time	12. Reviewed by (OSC)		Date/Time
Josh Dubach		DEC 31 08 15:12						

1. Incident Name

Fly Ash Pond Incident

2. Operational Period (Date / Time)

From: JAN 1 09 06:00 To: JAN 3 09 06:00

Assignment Picture Attachment

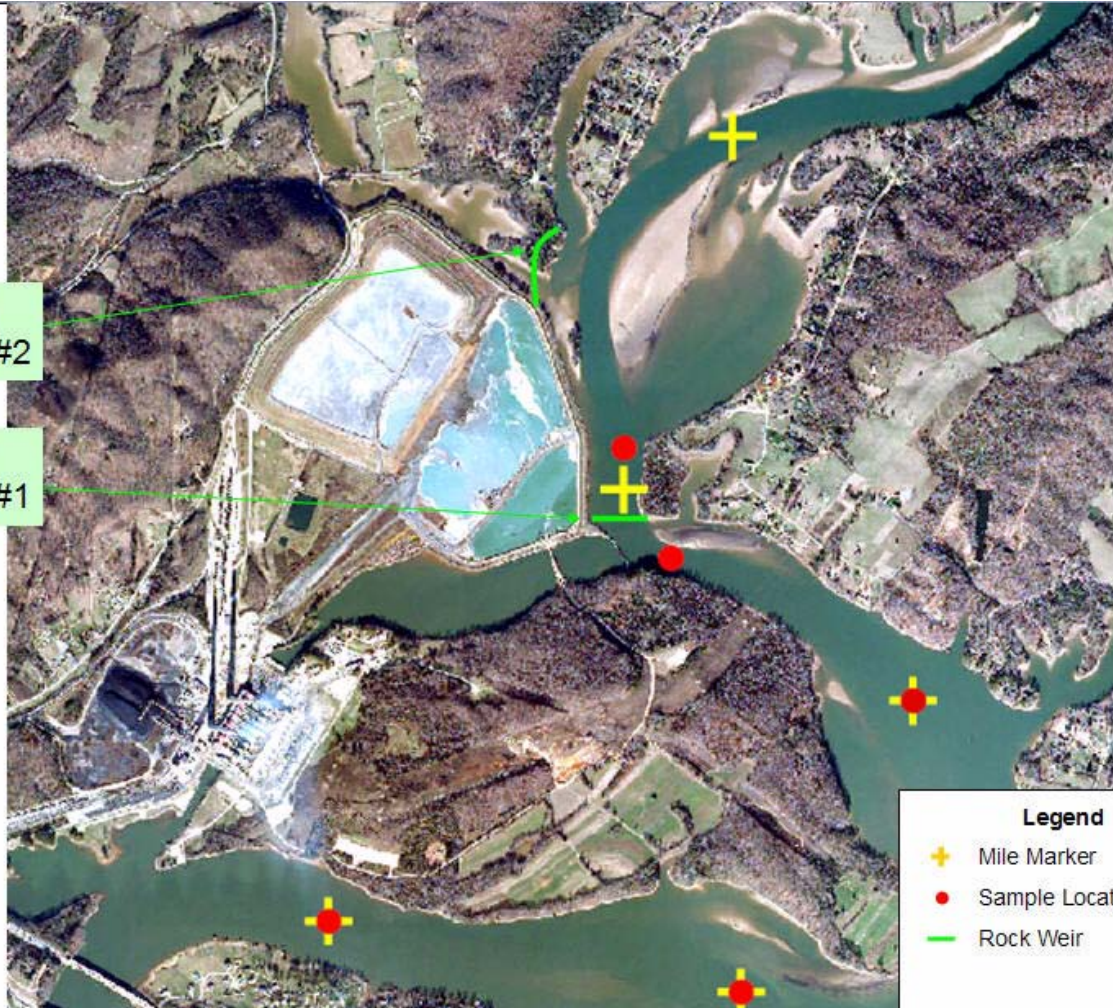
ICS 204-a2

Organization Name

Weir # 1 Group

ID#

Area Of Operation



Rock Weir #2

Rock Weir #1

- Legend**
- ✚ Mile Marker
 - Sample Location
 - Rock Weir

Prepared By: (Situation Unit)

Josh Dubach

Date / Time:

DEC 31 08 15:09

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Environmental Unit		4. Division/Group/Staging Monitoring & Sampling		
Task Force/Strike Team Air Monitoring & Sampling		Team		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	TVA		
Branch Director:	N. Carriker			
Division/Group Supervisor/STAM:	Dennis Yankee			
Task Force/Strike Team Leader:	Cassi Wylie			
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Air Monitoring & Sampling Resources	Cassi Wylie		7	Resource at designated response locale 12/31/08 <input type="checkbox"/>
7 - CTEH Personnel	Scott Skelton		7	Resource at designated response locale 12/31/08 <input type="checkbox"/>
Air Monitoring Trailer				Resource at designated response locale 12/31/08 <input type="checkbox"/>
7. Work Assignments				
Deploy mobile hand held real time air monitors Service off site air monitoring stations Service on site air monitoring stations				
8. Special Instructions				
Follow site safety plan \Obtain proper permissions as required				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: 911	Evacuation: _____	Other: _____		
10. Prepared by Calvin (Bud) Kline		Date/Time DEC 31 08 12:33	11. Reviewed by (PSC) _____	Date/Time _____
			12. Reviewed by (OSC) _____	Date/Time _____

1. Incident Name					2. Operational Period (Date / Time)		Assignment List	
Fly Ash Pond Incident					From: JAN 1 09 06:00 To: JAN 3 09 06:00		ICS 204-CG	
3. Branch			4. Division/Group/Staging					
Environmental Unit			Monitoring & Sampling					
Task Force/Strike Team			Team					
Water Monitoring & Sampling								
5. Operational Personnel		Name	Affiliation		Contact # (s)			
Operations Section Chief:		Bob Summers	TVA					
Branch Director:		N. Carriker						
Division/Group Supervisor/STAM:		Dennis Yankee						
Task Force/Strike Team Leader:		J. Burke / Phylis Hilton						
6. Resources Assigned					"X" indicates 204a attachment with additional instructions			
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks				
Water Monitoring & Sampling Resources	J. Burke / Phylis Hilton			Resource at designated response locale 12/31/08				<input type="checkbox"/>
3 - Boats				Resource at designated response locale 12/31/08				<input type="checkbox"/>
9 - Vehicles				Resource at designated response locale 12/31/08				<input type="checkbox"/>
2 - ATV				Resource at designated response locale 12/31/08				<input type="checkbox"/>
2 - Equipment Trailer				Resource at designated response locale 12/31/08				<input type="checkbox"/>
13 - Personnel			13	Resource at designated response locale 12/31/08				<input type="checkbox"/>
7. Work Assignments								
Conduct periodic sampling of river and ground water as directed by Water Sampling Plan								
8. Special Instructions								
Follow standard protocols as outlined in Water Sampling Plan Conduct pre-shift safety meetings Conduct JSA's as needed.								
9. Communications (radio and/or phone contact numbers needed for this assignment)								
Name / Function		Radio Freq./System/Channel			Phone		Cell/Pager	
_____		_____			_____		_____	
_____		_____			_____		_____	
_____		_____			_____		_____	
Emergency Communications								
Medical: _____			Evacuation: _____			Other: _____		
10. Prepared by		Date/Time	11. Reviewed by (PSC)		Date/Time	12. Reviewed by (OSC)		Date/Time
Calvin (Bud) Kline		DEC 31 08 12:40						

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Environmental Unit		4. Division/Group/Staging Monitoring & Sampling		
Task Force/Strike Team Water/Solid Waste Monitoring & Sampling		Team		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	TVA		
Branch Director:	N. Carriker			
Division/Group Supervisor/STAM:	Dennis Yankee			
Task Force/Strike Team Leader:				
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Water/Solid Waste Monitoring & Sampling Resources			11	Resource at designated response locale 12/28/08 <input type="checkbox"/>
Sampling Personnel	J. Walker		11	Resource at designated response locale 12/28/08 <input type="checkbox"/>
Vehicles				Resource at designated response locale 12/31/08 <input type="checkbox"/>
Response Trailer				Resource at designated response locale 12/28/08 <input type="checkbox"/>
Response Boats				Resource at designated response locale 12/28/08 <input type="checkbox"/>
7. Work Assignments				
Seeking access agreements from local home owners or land owners				
Once permission is received collect sludge and ash samples				
8. Special Instructions				
Ensure permission for access is obtained prior to collecting samples				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical:	Evacuation:	Other:		
_____	_____	_____		
10. Prepared by Calvin (Bud) Kline		11. Reviewed by (PSC) _____		12. Reviewed by (OSC) _____
Date/Time DEC 31 08 12:31		Date/Time _____		Date/Time _____

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Environmental Unit		4. Division/Group/Staging Monitoring & Sampling		
Task Force/Strike Team Ash Containment Monitoring		Team		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
Operations Section Chief:	Bob Summers	TVA		
Branch Director:	N. Carriker			
Division/Group Supervisor/STAM:	Dennis Yankee			
Task Force/Strike Team Leader:	John Hutmaker			
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Ash Containment Monitoring Resources	John Hutmaker			Resource at designated response locale 12/31/08 <input type="checkbox"/>
1 - Monitoring Boat				Resource at designated response locale 12/31/08 <input type="checkbox"/>
4 - Monitoring personnel				Resource at designated response locale 12/31/08 <input type="checkbox"/>
7. Work Assignments				
Conduct periodic depth soundings in designated area of the Clinch River Conduct periodic depth soundings at cold water retention dam at Clich River Mile 4 Marker.				
8. Special Instructions				
Follow on site safety plan				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical:	Evacuation:	Other:		
_____	_____	_____		
10. Prepared by Calvin (Bud) Kline	Date/Time DEC 31 08 12:44	11. Reviewed by (PSC)	Date/Time	12. Reviewed by (OSC) Date/Time

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Environmental Unit		4. Division/Group/Staging Monitoring & Sampling		
5. Operational Personnel				
	Name	Affiliation	Contact # (s)	
	Operations Section Chief: Bob Summers			
	Branch Director: N. Carriker			
	Division/Group Supervisor/STAM: Dennis Yankee			
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Sampling Personnel	J. Walker		11	Resource at designated response locale 12/28/08 <input type="checkbox"/>
7 - CTEH Personnel	Scott Skelton		7	Resource at designated response locale 12/31/08 <input type="checkbox"/>
3 - Boats				Resource at designated response locale 12/31/08 <input type="checkbox"/>
1 - Monitoring Boat				Resource at designated response locale 12/31/08 <input type="checkbox"/>
9 - Vehicles				Resource at designated response locale 12/31/08 <input type="checkbox"/>
Air Monitoring Trailer				Resource at designated response locale 12/31/08 <input type="checkbox"/>
4 - Monitoring personnel				Resource at designated response locale 12/31/08 <input type="checkbox"/>
Vehicles				Resource at designated response locale 12/31/08 <input type="checkbox"/>
Response Trailer				Resource at designated response locale 12/28/08 <input type="checkbox"/>
7. Work Assignments				
8. Special Instructions				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
_____	_____	_____	_____	
_____	_____	_____	_____	
Emergency Communications				
Medical: _____	Evacuation: _____	Other: _____		
10. Prepared by Calvin (Bud) Kline		11. Reviewed by (PSC) _____		12. Reviewed by (OSC) _____
Date/Time DEC 31 08 15:06		Date/Time _____		Date/Time _____

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG	
3. Branch Environmental Unit		4. Division/Group/Staging Monitoring & Sampling			
5. Operational Personnel	Name	Affiliation	Contact # (s)		
Operations Section Chief:	Bob Summers				
Branch Director:	N. Carriker				
Division/Group Supervisor/STAM:	Dennis Yankee				
6. Resources Assigned "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	<input type="checkbox"/>
2 - ATV				Resource at designated response locale 12/31/08	<input type="checkbox"/>
2 - Equipment Trailer				Resource at designated response locale 12/31/08	<input type="checkbox"/>
Response Boats				Resource at designated response locale 12/28/08	<input type="checkbox"/>
13 - Personnel			13	Resource at designated response locale 12/31/08	<input type="checkbox"/>
7. Work Assignments					
8. Special Instructions					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager		
_____	_____	_____	_____		
_____	_____	_____	_____		
Emergency Communications					
Medical: _____		Evacuation: _____		Other: _____	
10. Prepared by Calvin (Bud) Kline	Date/Time DEC 31 08 15:06	11. Reviewed by (PSC)	Date/Time	12. Reviewed by (OSC)	Date/Time

1. Incident Name Fly Ash Pond Incident		2. Operational Period (Date / Time) From: JAN 1 09 06:00 To: JAN 3 09 06:00		Assignment List ICS 204-CG
3. Branch Security Branch		4. Division/Group/Staging		
5. Operational Personnel		Name Affiliation Contact # (s)		
Operations Section Chief: Bob Summers		Tennessee Valley Authority		
Branch Director: Lt. Greg Roberts		Tennessee Valley Authority		
Division/Group Supervisor/STAM: _____				
6. Resources Assigned "X" indicates 204a attachment with additional instructions				
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Security Units	Lt. on duty		7	On Site <input type="checkbox"/>
7. Work Assignments				
Maintain security at Stationary Checkpoints (Post 1 and Post 2) Conduct patrols on site and offsite Maintain security at the Helo pad when in operation Conduct on water patrol operations				
8. Special Instructions				
All security procedures conducted by the TVA Police will be in accordance with the TVA Security Plan Security personnel will perform a site safety brief with each shift Badging incoming response personnel will be performed by O'Brien's Response Management A security boat will monitor the boom placed and the nothernmost boom in the river at night to prevent recreational traffic from running the boom.				
9. Communications (radio and/or phone contact numbers needed for this assignment)				
Name / Function	Radio Freq./System/Channel	Phone	Cell/Pager	
Security Office				
Lt. Gossett				
Dispatch (24hr) - Knoxville				
Emergency Communications				
Medical: 911 (8911)	Evacuation: _____	Other: _____		
10. Prepared by Josh Dubach		11. Reviewed by (PSC) Date/Time		12. Reviewed by (OSC) Date/Time
DEC 31 08 00:00				

Incident Name Fly Ash Pond Incident	Document Name: ICS 208 - Site Safety Plan
Description Kingston Fossil Plant Ash Recovery Site Safety Plan	
<p>Kingston Fossil Plant Ash Recovery Site Safety Plan</p> <p>Scope</p> <p>An ash containment wall has failed at the KIF which will require extensive clean-up activities. These activities will inherently expose personnel to increased and unusual hazards. It is imperative during emergency operations to remember the fundamental steps of performing a job safely.</p> <p>Nature of Work</p> <p>The beginning stages of the clean-up efforts will involve use: "Use of trucks to transport heavy equipment "Use of heavy equipment to move debris "Use of personnel to install environmental barriers and controls "Use of security personnel to keep non-authorized personnel from entering area to include general public</p> <p>New Equipment Check-In and Staging</p> <p>All arriving equipment will be brought to gravel lot behind the ball field at the north entrance to the plant. Equipment and personnel will be checked in with Harold Catlett who will be using James Settles as the day shift foremen and Kevin Abner as the second shift foremen.</p> <p>Recovery Zone Basic Safety Requirements</p> <p>"Establish boundaries - set up a primary and secondary zones based on risk and determine who is authorized to enter those zones; keep all others out of the work area "All employees in ash recovery and dike work areas must wear a green high visibility vests when entering work areas. All others will be asked to leave the area. "Personnel accountability - Employees must sign in and out of controlled work areas upon entering/leaving the controlled zones using the log on page 4; no one should be assigned to work alone "Communication - maintain clear lines of communication with all personnel and establish a clear chain of command "General public safety - keep people out of the area</p> <p>Immediate supervisors and safety personnel will execute the following tasks prior to the beginning of any job activities:</p> <ol style="list-style-type: none"> 1.Coordinate all pre-job briefing at work zones 2.Look at area and provide recommendation to site recovery leader. 3.Review all JSA's prior to work being performed on this recovery effort. 4.Barricade areas deemed unstable. Maintain log of areas deemed unsafe. 5.Participate in site recovery meeting 6.Special needs assessment include but not limited to : "river banks "water enter "roadways collapse potential "engulfment potential "Rescue operations staged "Work with TVAP "walkways collapse potential 8. Review trenching and rescue procedure for compliance 9. Coordinate with EOC (contact FPG/RO safety manager.) <p>Safety team lead: Mike Gahagan, Team members: Chris Jeter, Mike McCombs, David Driver, Chuck Proffitt, & Rick Hubbard.</p> <p>Pre-Job Planning</p> <p>All jobs must begin with proper planning. Individuals must know and understand each job step and how to perform it safely. All personnel must be briefed on the following points prior to beginning any work:</p> <p>"What are we going to do? "What is the worst thing that can happen? "What are the critical steps? "What are the error-likely situations? - What effects will moving debris have on integrity of surrounding area "What are the hazards? "How do we control the hazards?</p> <p>Do not proceed with job activities until these aspects have been discussed and all concerns have been addressed.</p>	
Prepared by: (name) Calvin (Bud) Kline	Prepared Date / Time: DEC 29 08 10:54
Page: 1	

Incident Name

Fly Ash Pond Incident

Document Name:

ICS 208 - Site Safety Plan

Description

Kingston Fossil Plant Ash Recovery Site Safety Plan

Unique Hazards

Some of the unique hazards that this situation presents include:

- "Stability of earth you are working on and around - engulfment
- "Water hazards - unknown depth of standing water
- "Unsure footing
- "Slippery work surfaces - particularly mounting and dismounting heavy equipment
- "Ruptured or downed utility lines to include gas, water, and power lines
- "Experience and training of operators and crews- lack of experience may spell disaster

Other Considerations

Personnel safety during these clean-up operations is of the utmost importance. Approach all situations with a questioning attitude. Do not take unnecessary risks. Do not rush. If job conditions change, stop! Do not proceed until conditions are understood, hazards are assessed, and control measures are implemented.

Emergency Contacts

In the event of an incident or medical emergency, follow the notification chain below until you reach a contact to initiate emergency response:

1. Unit 5 Operator
2. Shift Operations Supervisor
3. TVA Police TVA Police are not EMT's)

Reference Information

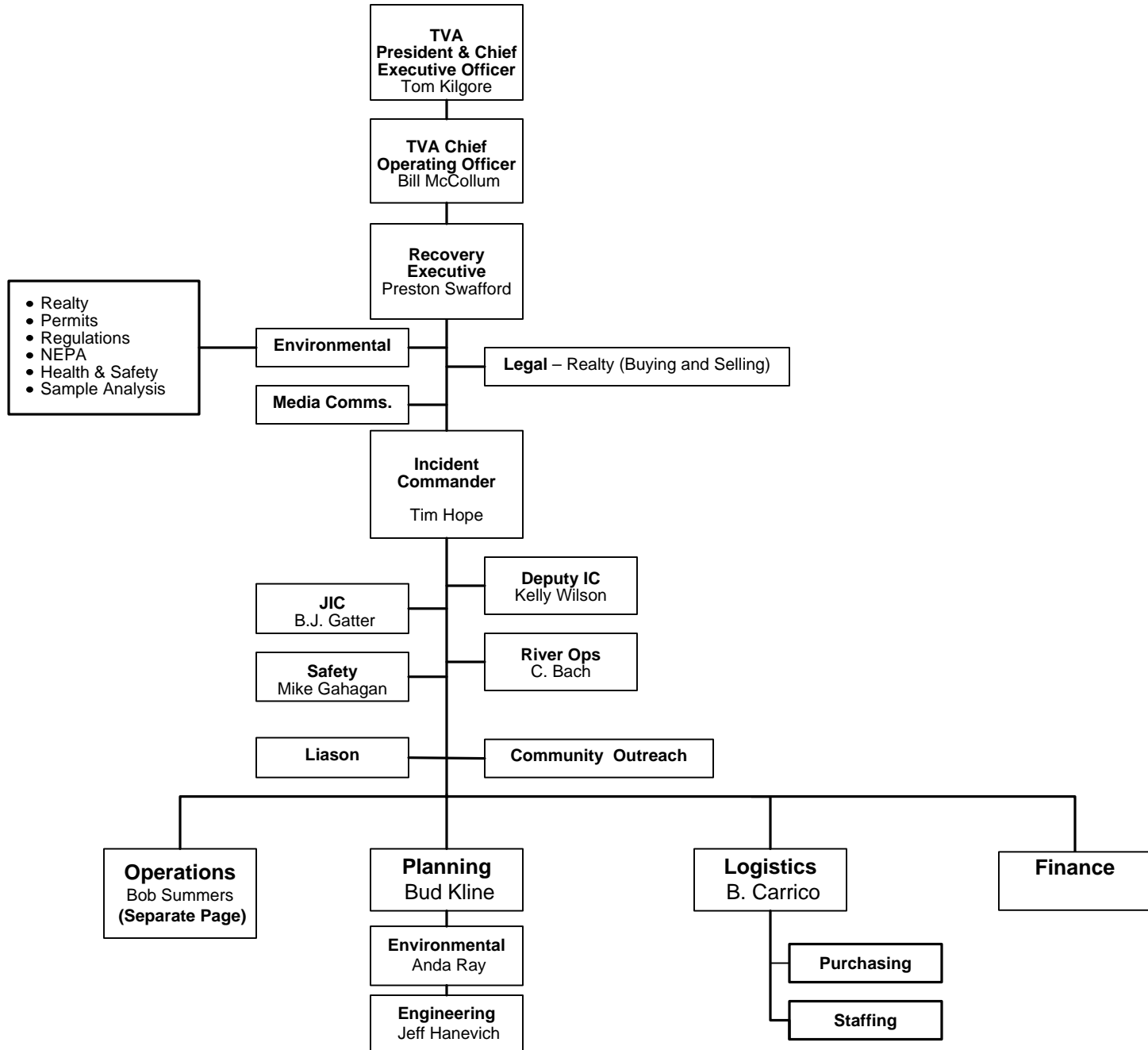
- "Plant Nurse
- "Advatech Nurse/EMT
- "Site Safety
- "Fire/Rescue/Ambulance911
- "Kingston Fire Department:
- "Rockwood
- "Harriman
- "Roane County Rescue Squac
- "Roane County Ambulance

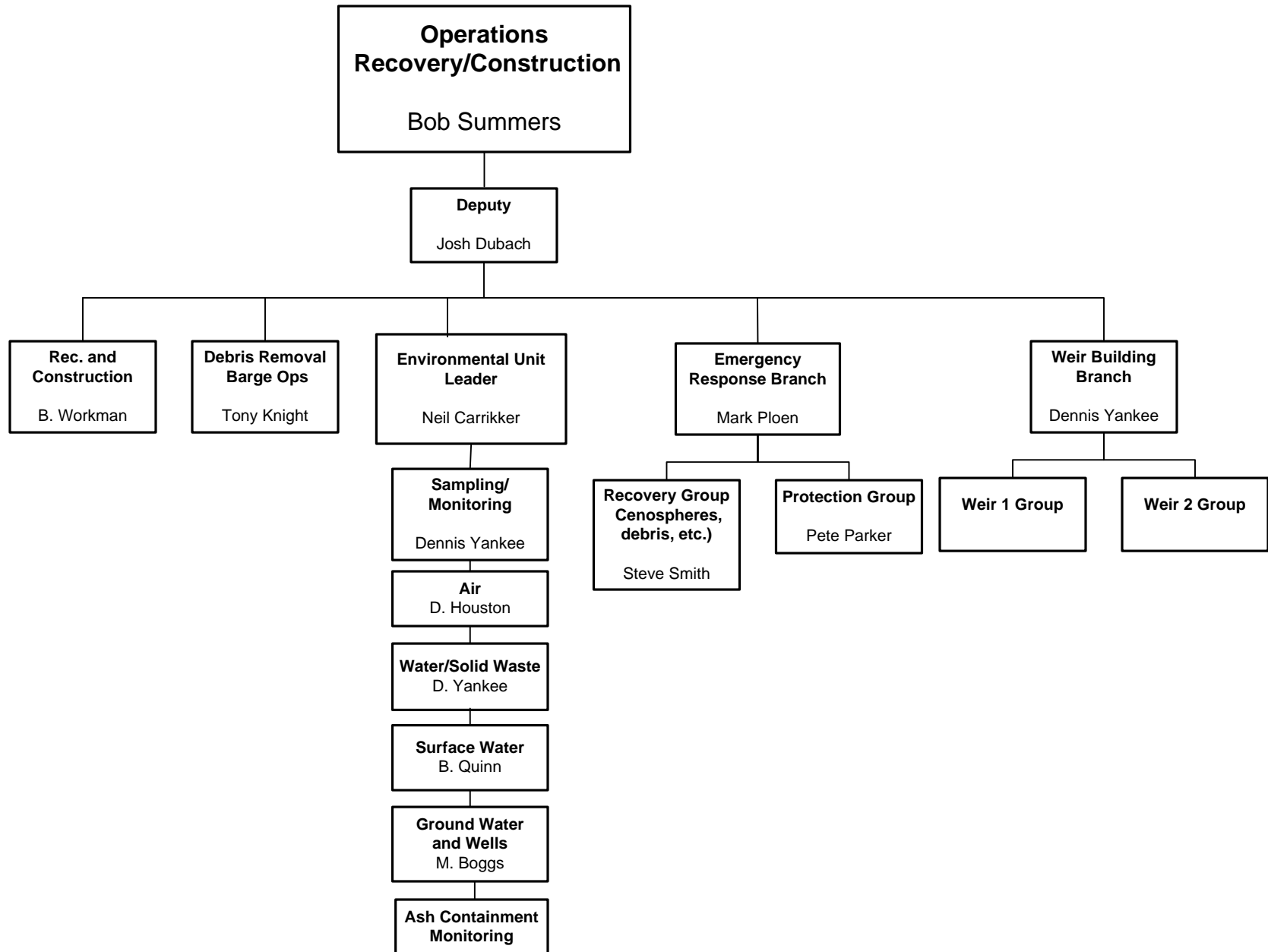
Key Contact Numbers

Rick Christensen, KIF Operation Manager

Mike Gahagan, TVA Safety Manager

Harold Catlett, Supervisor of Heavy Equipment Activities





**Corporate Environmental
Anda Ray**

NEPA
D. Ferry

Cultural
Heritage
Biological

Permits/Compliance
C. Johnson

- TDEC Solid waste permit modification
- Future impact of incident (EPA/TDEC)
- Air – Fugitive emission final disposition
- ARAP Permits
- USACE

**Sampling/Monitoring/
Debris Removal**
C. Johnson

- Future sampling requirements/needs (soil, surface water, air, solid water and debris, ground water and wells, utilities water districts and municipal water plant)

Analysis/Results
J. Myers

- Future impact of analysis and results
- Develop communications based on results

Resource Management
P. LaPointe

- Long term needs to satisfy environmental issues

**Environmental
Communications**
A. Mouldovi

- Review of all internal and external news releases

**Non-Outreach
Property Issues**
D. Ferry

- Final disposition
- Long term site plans (Property Acquisition)
- Property Management (ball park, etc)

**Planning Section
Environmental Unit**

Neil Carrikker
Charlie McEntyre

**Permits/
Compliance**
Sandy Newton

**Sampling/
Monitoring**
Dennis Yankee

Analysis/Results
Darren Biddle

**Env. Project
Management**
Matt Williams

**Environ. Resource
Management**
Roy Quinn

Surface Water
B. Quinn

Air
D. Houston

Solid Waste
D. Yankee

Ground Water
and Wells
M. Boggs

Utility Districts and
Municipal Water Plants
B. Ruth

Analytical Data
and Lab Results
Darren Biddle

Process
Documentation
Darren Biddle

Project Manager
Debris Mgmt
R. Quinn

Project Manager
Env. JIC Support
K.C. Leidolph

Project Manager
Liaison to Agencies
Matt Williams

1. Incident Name
Fly Ash Pond Incident

2. Operational Period (Date / Time)
From: JAN 1 09 06:00 To: JAN 3 09 06:00

RESOURCES AT RISK SUMMARY
ICS 232-CG

3. Environmentally-Sensitive Areas and Wildlife Issues

Site #	Priority	Site Name and/or Physical Location	Site Issues
	2	Kingston Park Recreation Area	1.5 miles Eastern Shore of the Clinch River - Mile # 1.5 (865) 376-9476
	1	Water Intake - City of Kingston Water Department	3.5 miles (3 miles down the Clinch River to the confluence of the Tennessee River and 1/2 mile back upstream on the Tennessee River) Easter shore of the Tennessee River Mile 568.2 (865) 376-2323
	1	Water Intake - Harriman Utility Board	

Narrative

Narrative

5. Prepared by: (Environmental Unit Leader)
KC Leidolph

Date / Time:
DEC 31 08 12:49

Incident Name

Fly Ash Pond Incident

Document Name:

Weather Forecast

Description

National Weather Forecast Weather Forecast



Your National Weather Service forecast

Harriman TN

Enter Your "City, ST" or zip code



NWS Morristown, TN

Cell Phone Weather Link: www.srh.noaa.gov/wml

Point Forecast: Harriman TN
35.93N 84.58W (Elev. 1499 ft)

Last Update: 9:03 am EST Dec 31, 2008

Forecast Valid: 10am EST Dec 31, 2008-6pm EST Jan 6, 2009

Forecast at a Glance

Today	Tonight	New Year's Day	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
								
Breezy	Partly Cloudy	Sunny	Slight Chc Snow	Chance Rain/Snow	Mostly Clear	Mostly Sunny	Chance Showers	Slight Chc Showers
Hi 44°F	Lo 21°F	Hi 44°F	Lo 29°F	Hi 41°F	Lo 25°F	Hi 49°F	Lo 37°F	Hi 50°F

Detailed 7-day Forecast

Hazardous weather condition(s):

Special Weather Statement

Today: Mostly sunny, with a high near 44. Breezy, with a north wind around 20 mph, with gusts as high as 30 mph.

Tonight: Partly cloudy, with a low around 21. North wind between 5 and 15 mph, with gusts as high as 25 mph.

New Year's Day: Sunny, with a high near 44. East wind 5 to 10 mph becoming south.

Thursday Night: A 20 percent chance of snow after 1 am. Increasing clouds, with a low around 29. South wind between 5 and 10 mph.

Friday: A chance of snow showers before 2pm, then a chance of rain showers. Mostly cloudy, with a high near 41. West wind between 5 and 10 mph. Chance of precipitation is 40%.

Friday Night: Mostly clear, with a low around 25.

Current Conditions

[Move Down]

Oak Ridge

Lat: 36.02 Lon: -84.23 Elev: 910
Last Update on Dec 31, 8:53 am EST

A Few Clouds

37°F
(3°C)

Humidity:	50 %
Wind Speed:	N 8 MPH
Barometer:	30.17" (1022.3 mb)
Dewpoint:	20°F (-7°C)
Wind Chill:	31°F (-1°C)
Visibility:	10.00 mi.
More Local Wx:	3 Day History:

Radar and Satellite Images



December 30, 2008

SHORELINE CLEANUP AND ASSESSMENT TEAM (SCAT) - CENOSPHERES

Report of Evaluation and Agreement by TDEC, Division of Water Pollution Control

Team: Mike Atchley, TDEC, Division of Water Pollution Control
Mike Sutton, TVA, Fuel By-products
Jonathan Walker, TVA, Engineering Services, East

By helicopter, Atchley and Sutton flew the Emory River from 1.5 miles upstream of Kingston Fossil Plant to approximately two miles downstream of the confluence of the Clinch and Tennessee Rivers. By boat, Atchley, Sutton also evaluated several coves and sloughs of interest which had been identified during the flight.

Based upon the aerial and surface evaluation, TDEC agrees with the following actions:

1. TVA will recover cenospheres within the existing booms upstream of the mouth of the Emory River.
2. TVA will install a floating boom and silt curtain at the mouth of the Emory River and will collect cenospheres as needed. Periodically, this boom will be detached at one end to allow barge traffic to access the Plant. All barge movements into the Emory River will be coordinated with the parties responsible for collecting the cenospheres that have accumulated at the boom. TVA will make every effort to collect cenosphere accumulations prior to detaching the boom and will keep on hand a skimmer boom to capture cenospheres that may be released during the time the silt boom is detached.
3. TVA will install floating booms or diverter booms at the following locations:
 - a. The slough at Hood Cemetery/Chapman's Branch
 - b. The mouth of the cove at Southwest Point
 - c. The mouth of the slough at Tennessee River Mile 63, right bank
 - d. The slough on the right bank across from the confluence of the Tennessee and the Clinch
4. TVA's booms that are already in place will be maintained and inspected daily.
5. TVA will not attempt to collect cenospheres that are thinly dispersed in the Emory, Clinch, or Tennessee Rivers. If cenospheres accumulate in quantities where they can be effectively boomed and vacuumed or dipped, TVA will recover the material.

6. TVA will return all recovered cenospheres to a staging/dewatering area adjacent to the main ash pond.
7. TVA will distribute cenosphere information sheets at local marinas and to those who request information.
8. TVA will establish a phone number for residents to request evaluation and clean-up of cenosphere accumulations at docks, marinas, coves, etc.
9. TVA will maintain a response team to evaluate and collect small accumulations of material as requested by those calling the information number.

Initialed by Michael Atchley, TDEC

12/30/2008

MSA