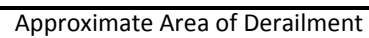

 Prepared for: CN		INCIDENT ACTION PLAN COVER SHEET ICS 200	
Incident Name:		CN - Hattiesburg Derailment	
Incident Number:		N/A	
		N/A	
Date Prepared:		Thursday, September 17, 2015	
Time Prepared:		0500 hours	
Prepared by:		Nathan L. Judice	
		CRA, Inc.	
Latitude:		31.354342°N	
Longitude:		89.330536°W	
Operational Start Date/Time:		September 16, 2015 @ 0700 hours	
Operational Finish Date/Time:		September 17, 2015 @ 0700 hours	
APPROVAL			
FOSC		US EPA - Leo Francendese	
SOSC		MDEQ - Ernie Shirley	
EMA		Forrest County - Glen Moore	
RP		CN - Chris Lanoue/Bob Strong	
TABLE OF CONTENTS			
X	Incident Briefing (ICS 201)		
X	Response Objectives (ICS 202)		
X	Organization Assignment List (203)		
X	Assignment List (ICS 204)		
X	Communication Plan (205)		
X	Medical Plan (USES Site-Specific Health and Safety Plan)		
X	Incident Organization Plan (ICS 207)		
X	Safety Message (ICS 213)		
X	Daily Safety and Health Message		
Operational Period:		September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours	

MAP / SKETCH

**Operational Period:**

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

 FIRST Prepared for: CN	INCIDENT BRIEFING ICS 201 – 2A
SUMMARY OF INCIDENT	
<p>At approximately 07:00 on September 14, 2015 a CN Unit Oil Train derailed along Lakeview Road near the Hattiesburg Police Department (HPD) Firing Range. The CN train was transporting Bakken crude oil which is a light, volatile crude oil. A total of twenty tank cars derailed, four of the twenty tank cars are breached and burning. It is estimated that approximately 60,000 gallons of product has been released into the Bouie River. Immediately following the derailment, four City of Hattiesburg employees were injured in the initial incident. Furthermore, two Hattiesburg Fire Department (HFD) firemen were injured by a secondary explosion during an attempt to rescue the City of Hattiesburg employees. As of 07:45 on September 14, 2015, all victims had been rescued and transported to local hospitals.</p> <p>HFD has implemented a 1/2 mile evacuation area. Evacuations of residents and businesses within the area began at approximately 0725 hours. The structures being evacuated are comprised of: four single family homes, one apartment complex, four motels, a small college, multiple restaurants, the county health department, National Guard Armory, City of Hattiesburg waterworks facility, an animal shelter, and Mississippi Power maintenance shop. The number of individuals being evacuating is unknown at this time. In addition to evacuation, the HFD is also in the process of attempting to contain the flow of product in the Bouie River. They are doing this by placing boom at strategic points along the river.</p> <p>Traffic is being diverted from US 49, US 42, and local city streets that are affected by the 1/2 mile evacuation area. Roadblocks are being set up by HPD at this time. The Civil Support Team has been requested by the HFD to conduct air monitoring. They are en route from Jackson, ETA 2.5 hours. The command post has been established at the Lake Terrace Convention Center.</p> <p>Site access is limited and HFD has begun to establish cooling lines on the exposed</p>	
Operational Period:	September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

INCIDENT BRIEFING

ICS 201 – 2B

Response Priorities

- 1.) Safety of Workers and the Community
- 2.) Protect the Environment
- 3.) Minimize Property Loss
- 4.) Restore Infrastructure
- 5.) Maintain Public Confidence

Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours



Prepared for:
CN

INCIDENT BRIEFING

ICS 201 – C

SUMMARY OF ACTIONS

September 15, 2015 @ 0700 hours to September 16, 2015 @ 0700 hours

- Open flames on tank cars and surrounding areas have been extinguished, HFD and HAZMAT Contractors applied foam to affected areas to reduce VOC levels.
- Transfer incident command from HFD to CN, Chris Lanoue.
- Containment berms were built around all impacted areas to contain the impacted material
- Unified Command has been implemented and a series of agencies have been notified of this event in accordance with the National Contingency Plan.
- Federal Railroad Administration is on site conducting an investigation.
- Air monitoring personnel are monitoring the hot zone, work zone, and community. All readings in the community have been below their respective action limit. Air monitoring readings for all zones have been complied and submitted to EPA, MDEQ, and other applicable agencies.
- CN security contractors and HPD have established a 1/2 mile exclusion zone for non-essential personnel. Residents are allowed, with security and air monitoring escorts, to gather personal items from their home.
- CN Dangerous Goods Officers (DGOs) conducted damage assessment of the derailment area. It was determined that approximately 60,000 gallons of Bakken crude
- During the damage assessment it was determined that the breached tank cars lost the entirety of contents or was consumed by the fire. Therefore, patching/plugging of the breached tank cars was not necessary.
- Wrecking crews staged approximately 40% of the tank cars in the transfer/staging area.
- HAZMAT crews established 3 recovery and collections points on the Bouie River. Access to additional collection and recovery areas are still in process. Approximately 2,500 gallons of Bakken crude oil has been recovered as of 0500 hours on September 16, 2015.
- Ten surface water sample locations were established down stream of the impacted area. The aforementioned surface water sample locations will be collected daily for both water quality parameters and laboratory analysis.

Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

INCIDENT BRIEFING

ICS 201 – 3

RESOURCES SUMMARY

RESOURCE	PROVIDER	ON-SCENE	ASSIGNMENT
Wrecking Equipment	B&P	9/14/2015	Train Wrecking
Wrecking Equipment	Hulcher	9/14/2015	Train Wrecking
Wrecking Equipment	RJ Corman	9/14/2015	Train Wrecking
Recovery Equipment	HAZMAT Contractors	9/14/2015	Recovery
Air Monitoring Equipment	GHD	9/14/2015	Safety

PERSONNEL SUMMARY

COMPANY	ON-SCENE	ASSIGNMENT
(35) HAZMAT Contractors	John Smith	Recovery/Transfers
(10) GHD	Nathan L. Judice	Environmental Assessment (air, water, soil)
(6) CN	Bob Strong	IC
(10) RJ Corman	John Smith	Train Wrecking
(10) B&P	John Smith	Train Wrecking
(10) Hulcher	John Smith	Train Wrecking
Operational Period:	September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours	

RESPONSE OBJECTIVES

ICS 202 – 1A

OPERATIONAL PERIOD OBJECTIVES

- Continue recovery of released product from the 3 collection and recovery zones on the Bouie River.
- Inspect and maintain berms and continue to contain product.
- Air monitoring personnel will continue to collect and record data for the hot zone, work zone, and community. If determined by Unified Command, the community monitoring zone will be reduced to a small area.
- Air monitoring data will continue to be issued to EPA, MDEQ, and applicable agencies every 12 hours for review. Once determined/approved by Unified Command, evacuation zones will be reduced in size. The re-entry of residents will be evaluated by air monitoring personnel and HPD within the home of the evacuated residents.
- CN security contractors and HPD will continue the 1/2 mile exclusion zone for non-essential personnel until reduction of size is approved by Unified Command.
- Implement SCAT operations.
- Establish access to additional collection and recovery zones.
- Complete the staging of all tank cars for FRA investigation and transfer operations.
- Start transfer operations of un-breached tank cars.
- Set up decontamination staging area for cleaning and demobilization of nonessential equipment.
- Monitor river level to prevent water intrusion.
- Prepare site for rain event.

Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours



Prepared for:
CN

RESPONSE OBJECTIVES

ICS 202 – 2

WEATHER REPORT

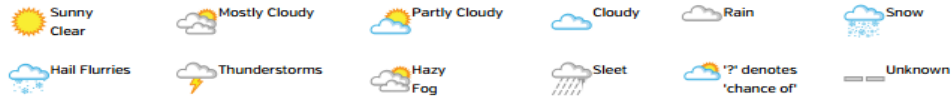
Weather History for KHBG - September, 2014

Today Forecast

September Precip Stats: Actual Month Total: 5.65 in | Average Month Total: 4.08 in

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Actual: 97° 71° 0.00 in Average: 91° 70° 0.14 in	2 Actual: 92° 73° 0.42 in Average: 91° 69° 0.13 in	3 Actual: 90° 73° 0.01 in Average: 91° 69° 0.14 in	4 Actual: 94° 71° 0.56 in Average: 91° 69° 0.14 in	5 Actual: 91° 70° T in Average: 90° 69° 0.13 in	6 Actual: 92° 70° 0.00 in Average: 90° 69° 0.14 in
7 Actual: 94° 73° 0.15 in Average: 90° 69° 0.13 in	8 Actual: 94° 72° 0.00 in Average: 90° 68° 0.15 in	9 Actual: 94° 73° 0.00 in Average: 90° 68° 0.14 in	10 Actual: 92° 75° 0.19 in Average: 89° 68° 0.15 in	11 Actual: 93° 73° 0.02 in Average: 89° 68° 0.15 in	12 Actual: 95° 72° T in Average: 89° 67° 0.18 in	13 Actual: 79° 71° T in Average: 89° 67° 0.16 in
14 Actual: 91° 66° 0.00 in Average: 88° 67° 0.16 in	15 Actual: 92° 71° T in Average: 88° 66° 0.15 in	16 Actual: 92° 71° 3.87 in Average: 88° 66° 0.15 in	17 Actual: 92° 69° 0.00 in Average: 88° 66° 0.13 in	18 Actual: 87° 71° 0.16 in Average: 87° 66° 0.13 in	19 Actual: 89° 69° 0.04 in Average: 87° 65° 0.12 in	20 Actual: 89° 67° 0.00 in Average: 87° 65° 0.13 in
21 Actual: 91° 64° 0.00 in Average: 86° 64° 0.12 in	22 Actual: 88° 66° 0.00 in Average: 86° 64° 0.13 in	23 Actual: 85° 55° 0.00 in Average: 86° 64° 0.12 in	24 Actual: 84° 57° 0.00 in Average: 86° 63° 0.11 in	25 Actual: 85° 57° 0.00 in Average: 85° 63° 0.11 in	26 Actual: 82° 62° 0.00 in Average: 85° 63° 0.12 in	27 Actual: 83° 61° 0.00 in Average: 85° 62° 0.12 in
28 Actual: 81° 70° 0.23 in Average: 84° 62° 0.13 in	29 Actual: 87° 72° T in Average: 84° 61° 0.13 in	30 Actual: 85° 68° 0.00 in Average: 84° 61° 0.14 in				

Calendar Legend




Operational Period:


September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours



CURRENT ORGANIZATION

GHD Job Number: 071856-00

 Prepared for: CN		ASSIGNMENT LIST ICS 204-1A		
CURRENT ASSIGNMENT				
Branch: Dangerous Goods		Division:		Group: Wrecking
Staging Area:				
Operations Personnel:				
Operations Sections Chief: _____		Greg Vaughan (CN-DGO)		Contact Number: 901-409-6237
Branch Director: _____				Contact Number: _____
Division/Group Supervisor: _____		John Smith		Contact Number: _____
Resources Assigned:				
Resource Identifier:	Leader:	Number of Personnel:	Contact(e.g., phone, radio frequency, etc.)	Reporting Location, Special Equipment/Supplies, Remarks, Etc.
Hulcher	Johnson (Day)/Richardson (Night)	14		
B&P	Sanders (Day)/Mark (Night)	25		
RJ Corman	James (Day)/Davis (Night)	8		
Work Assignment(s):				
Hulcher, B&P, and RJ Corman conduct wrecking operations of derailed railcars.				
Special Instructions:				
Ensure proper safety protocols are followed as potential for HAZMAT contamination is present. All hot work requires a permit: ensure LEL monitoring and fire suppression resources are available.				
Communications:				
Name and Task:		Primary Contact: Indicates cell, radio, or other (please indicate area code for cell or channel for radio)		
Operational Period:		September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours		

 Prepared for: CN		ASSIGNMENT LIST ICS 204-1B		
CURRENT ASSIGNMENT				
Branch: Environmental	Division:	Group:	Staging Area:	
Operations Personnel:				
Operations Sections Chief: _____		Greg Vaughan (CN-DGO)		Contact Number: 901-409-6237
Branch Director: _____		Bob Strong (CN)		Contact Number: _____
Division/Group Supervisor: _____				Contact Number: _____
Resources Assigned:				
Resource Identifier:	Leader:	Number of Personnel:	Contact(e.g., phone, radio frequency, etc.)	Reporting Location, Special Equipment/Supplies, Remarks, Etc.
GHD (Air Community)	Slater (Day)/Stevens (Night)	8		
GHD (Air Work Zone)	Williams (Day)/ Jones (Night)	10		
GHD (Sampling)	Anderson (Day)	4		
EPA (SCAT)	Ball (Day)	6		
Work Assignment(s):				
GHD (Air Community) - Air monitoring in the community and the perimeter of the work zone GHD (Air Work Zone) - Air monitoring in the work zone GHD (Sampling) - Sample collection of surface water downstream of the release. Sample collection of soil and waste samples may also be collected. EPA (SCAT) - Conduct shoreline cleanup and assessments and determine if oil containment and recovery is being effective.				
Special Instructions:				
Ensure proper safety protocols are followed as potential for HAZMAT contamination is present. Conduct LEL monitoring before any hot/cold work is performed in work zone. Alert workers of unsafe breathing conditions.				
A				
Name and Task:	Primary Contact: Indicates cell, radio, or other (please indicate area code for cell or channel for radio)			
Operational Period:	September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours			



CURRENT ASSIGNMENT

Risk Management and Damage Prevention

Group:
Derailment Response Services

Contact Number: 901-409-6237

Operations Sections Chief: Greg Vaughan (CN-DGO)

Branch Director: _____

Division/Group Supervisor: Bob Strong (CN)

Resource Identifier:

Leader:

Number of Personnel:	
1	

f Contact(e.g., phone, radio
: frequency, etc.)

Reporting Location, Special Equipment/Supplies, Remarks, Etc.

CN

CN - Inspection of derailed railcars


Ensure proper safety protocols are followed as potential for HAZMAT contamination is present.

Name and Task:

Primary Contact: Indicates cell, radio, or other (please indicate area code for cell or channel for radio)

Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

 Prepared for: CN		ASSIGNMENT LIST ICS 204-1D		
CURRENT ASSIGNMENT				
Branch: Engineering and Mechanical		Division:		Group:
Staging Area:				
Operations Personnel:				
Operations Sections Chief: _____		Greg Vaughan (CN-DGO)		Contact Number: 901-409-6237
Branch Director: _____				Contact Number: _____
Division/Group Supervisor: _____		Bob Strong (CN)		Contact Number: _____
Resources Assigned:				
Resource Identifier:	Leader:	Number of Personnel:	Contact(e.g., phone, radio frequency, etc.)	Reporting Location, Special Equipment/Supplies, Remarks, Etc.
FRA	Smith (Day)	2		
CN	McNeil (Day)/Straus (Night)	20		
Work Assignment(s):				
FRA - Inspection of derailment and rail to determine the cause CN - Inspection and repair of the damaged rail				
Special Instructions:				
Ensure proper safety protocols are followed as potential for HAZMAT contamination is present. Hot work requires a permit. Make sure to take LEL readings before conducting any hot/cold work.				
Communications:				
Name and Task:		Primary Contact: Indicates cell, radio, or other (please indicate area code for cell or channel for radio)		
Operational Period:		September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours		



Prepared for:
CN

ASSIGNMENT LIST ICS 204-1E

CURRENT ASSIGNMENT

Branch:
Law Enforcement

Division:

Group:

Staging Area:

Operations Personnel:

Operations Sections Chief: Greg Vaughan (CN-DGO) Contact Number: 901-409-6237

Branch Director: _____ Contact Number: _____

Division/Group Supervisor: Bob Strong (CN) Contact Number: _____

Resources Assigned:

Resource Identifier:	Leader:	Number of Personnel:	Contact(e.g., phone, radio frequency, etc.)	Reporting Location, Special Equipment/Supplies, Remarks, Etc.
FCPD		12		
CN-PD		4		
CN-Security		12		

Work Assignment(s):

FCPD - Securing of road closures and evacuations
CN-PD - Securing of the staging area(s)
CN-Security - Site security/sign in and out locations

Special Instructions:

Ensure proper safety protocols are followed as potential for HAZMAT contamination is present.


Communications:

Name and Task:

Primary Contact: Indicates cell, radio, or other (please indicate area code for cell or channel for radio)

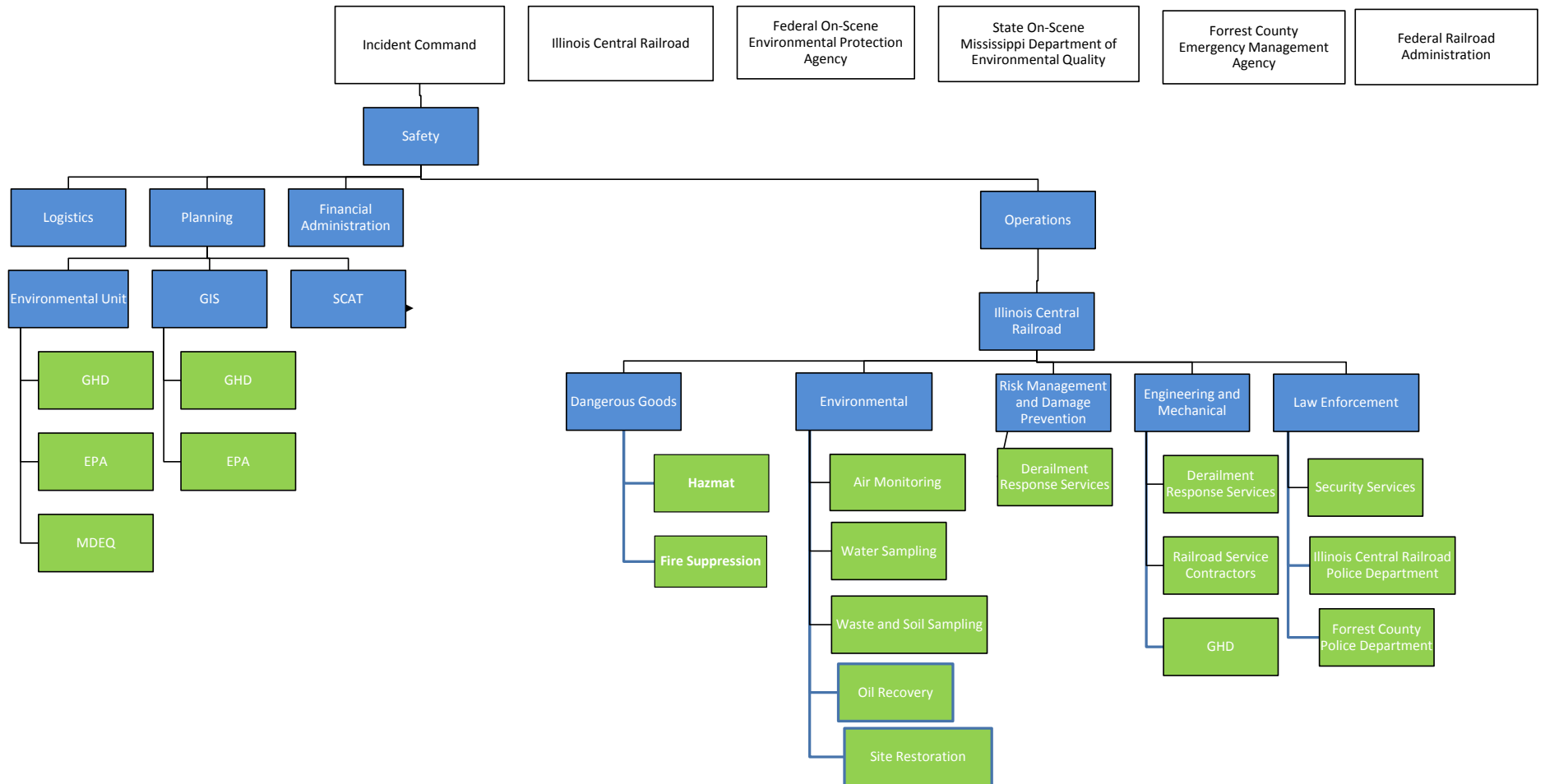
Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

 Prepared for: CN		<h2 style="text-align: center;">Communications Plan ICS 205</h2>	
ICS Position:	Company:	Name:	Cell: 225-229-6811/601-592-1838
Incident Commander	CN	Chris Lanoue/Bob Strong	Radio: E-mail: chris.lanoue@cn.ca/bob.strong@cn.ca
ICS Position:	Company:	Name:	Cell: 901-409-6237 /270-627-6266
Operation Section Chief	CN	Joe Phelps	Radio: E-mail: Greg.Vaughan@cn.ca/joe.phelps@cn.ca
ICS Position:	Company:	Name:	Cell: 225-975-7993
Safety Officer	GHD	David Wilkinson	Radio: E-mail: dwilkinson@croworld.com
ICS Position:	Company:	Name:	Cell: 337-335-8035
Planning/Liaison Officer	GHD	Nathan Judice	Radio: E-mail: njudice@croworld.com
ICS Position:	Company:	Name:	Cell: 708-990-5771
Information Officer	CN	Patrick Waldron	Radio: E-mail: patrick.waldron@cn.ca
ICS Position:	Company:	Name:	Cell: 708-728-5774
Logistics Officer	CN	Anthony Ippolito	Radio: E-mail: anthony.ippolito@cn.ca
ICS Position:	Company:	Name:	Cell:
Finance Officer	CN	Matt Harrell	Radio: E-mail: matt.harrell@cn.ca
ICS Position:	Company:	Name:	Cell: 404-606-2223
Federal On Scene	USEPA	Leo Francendese	Radio: E-mail: francensese.leo@epa.gov
ICS Position:	Company:	Name:	Cell: 601-961-5171
State On Scene	MDEQ	Ernie Shirley	Radio: E-mail: jason_suggs@deq.state.ms.us
Operational Period:		September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours	

Incident Organization Chart ICS 207

CURRENT ORGANIZATION



Operational Period:

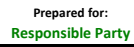
September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

SITE SAFETY MESSAGE ICS 213

- PPE: FRC, safety boots, safety glasses, hard hat, hearing protection, safety vests, APRs when action levels are exceeded
- Watch footing, tie-off ladders, 3-Point Contact
- Watch out for slips, trips and falls
- Use proper lifting techniques, get help or use lifting equipment
- Keep Hydrated
- Follow adequate work/rest schedule
- Hot work permit required during wrecking/engineering operations:
conduct LEL air monitoring in immediate area, have fire suppression present
- Use intrinsically safe equipment in flammable/hazardous environments
- Alert response personnel of air monitoring readings above action levels for LEL and/or VOCs and don appropriate PPE
- Severe weather potential

Operational Period:

September 16, 2015 @ 0700 hours to September 17, 2015 @ 0700 hours

[illegible]



Prepared for:
Responsible Party

ICS 211e (Equipment Sign In/ Sign Out)

[illegible]

ACP	Area Contingency Plan
C	
CAMEO	Computer-Aided Management of Emergency Operations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CWA	Clean Water Act
D	
DES	Department of Emergency Services
DNR	Department of Natural Resources
DOI	U.S. Department of the Interior
E	
EMS	Emergency Management Services
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
ERT	Environmental Response Team (EPA)
F	
FBI	U.S. Federal Bureau of Investigation
FEMA	U.S. Federal Emergency Management Agency
FR	Federal Register
FOSC	Federal On-Scene Coordinator
H	
HAZWOPER	Hazardous Waste Operations and Emergency Response
HMEP	Hazardous Materials Emergency Preparedness
I	
IAP	Incident Action Plan
IC	Incident Commander
ICS	Incident Command System
J	
JIC	Joint Information Center
L	
LEPC	Local Emergency Planning Committee
M	
MOA	Memorandum of Agreement
N	
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NIIMS	National Interagency Incident Management System
NOAA	National Oceanic and Atmospheric Administration
NRDA	Natural Resource Damage Assessment
NRDAR	Natural Resource Damage Assessment and Restoration
NSFCC	National Strike Force Coordination Center
NRS	U.S. National Response System

NRT	U.S. National Response Team
O	
OPA	Oil Pollution Act of 1990
OSC	On-Scene Coordinator
P	
PFS	Professional Food Systems
PRP	Potentially Responsible Party
R	
RP	Responsible Party
RRT	Regional Response Team
S	
SARA	Superfund Amendments and Reauthorization Act
SATA	Site Assessment and Technical Assistance
SERC	State Emergency Response Commission
SOSO	State On-Scene Coordinator
U	
UC	Unified Command
U.S.C.	United States Code
USCG	United States Coast Guard
USDA	U.S. Department of Agriculture
W	
WMD	Weapons of Mass Destruction