



Incident Action Plan

BNSF Galena Derailment

03/05/2015

Galena, Illinois

Operational Period #4

03/08 08:30 CDT - 03/09 08:30 CDT

Incident Action Plan

Incident: BNSF Galena Derailment	Prepared By: Paul Ruesch
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: P004V01 DRAFT

Approved By

Organization	Name	Signature
US EPA Region 5	Jaime Brown	

Incident Photo



Included in Action Plan

Include	Incident Forms	Include	Period Forms
<input checked="" type="checkbox"/>	Include Incident Cover	<input checked="" type="checkbox"/>	ICS 202 - Incident Objectives
<input type="checkbox"/>	ICS 201-1 - Incident Briefing	<input checked="" type="checkbox"/>	ICS 204 - Assignment List(s)
<input type="checkbox"/>	ICS 201-2 - Summary of Current Actions	<input checked="" type="checkbox"/>	ICS 205 - Communication Plan
<input type="checkbox"/>	ICS 201-3 - Organization Chart	<input checked="" type="checkbox"/>	ICS 206 - Medical Plan
<input type="checkbox"/>	ICS 201-4 - Resource Summary	<input checked="" type="checkbox"/>	ICS 207 - Organizational Chart
<input type="checkbox"/>	ICS 201-5 - Site Safety and Control Analysis	<input checked="" type="checkbox"/>	ICS 208 - Site Safety Plan(s)
<input type="checkbox"/>	Reactive Phase Weather Report	<input type="checkbox"/>	ICS 211P - Check In List
<input type="checkbox"/>	Reactive Phase Notifications	<input checked="" type="checkbox"/>	ICS 230 - Meeting Schedule
		<input type="checkbox"/>	Weather Report
		<input type="checkbox"/>	ICS 213 - General Message(s)
		<input checked="" type="checkbox"/>	ICS 214 - Activity Logs
		<input type="checkbox"/>	Incident Critique

ICS 202: Incident Objectives

Incident: BNSF Galena Derailment	Prepared By: Ashley Reardon
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: 03/07/2015 19:45 CST
Objective(s)	
SAFETY OF RESIDENTS & FIRST RESPONDERS PROTECT ENVIRONMENT BY CONTROLLING PRODUCT RUNOFF SITE STABILIZATION MONITOR ENVIRONMENTAL CONDITIONS/IMPACTS CONTINUE INVESTIGATIONS & PRODUCT SAMPLING/RECOVERY RESTORE DERAILMENT SITE RE-ESTABLISH TRACK OPERATIONS	
Operational Period Command Emphasis	
FINALIZE HEALTH AND SAFETY PLAN FINALIZE CONTINGENCY PLAN FOR RESPONDERS ENHANCE COMMUNICATIONS AMONG RESPONDERS AND RESPONSE AGENCIES CLARIFY KEY LEADERSHIP POSITION ASSIGNMENTS	
General Situational Awareness	
FIRES HAVE BEEN EXTINGUISHED WRECKING AND REMOVAL OPERATIONS CONTINUE/CONCLUDE ENVIRONMENTAL SAMPLING CONTINUES DAYLIGHT SAVINGS TIME STARTS	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: BNSF GALENA DERAILMENT		2. Operational Period: Date From: 3/8/15 Date To: 3/9/15 Time From: 0830 HRS Time To: 0830 HRS		
3. Incident Commander(s) and Command Staff:		7. Operations Section:		
IC/UCs	Jaime Brown/EPA Region 5	Chief	BNSF HAZMAT	Pat Brady
IEPA	George Krebs	Deputy	US EPA	Brad Benning
BNSF RR	Nic Winslow			
FRA	Steve Illich	Staging Area	IL IMT	
PHMSA	Mark Razny	Branch	MITIGATION	
Galena FD	Chief Randy Beadle	Branch Director		
Safety Officer	Kurt Merkle, Arcadis	Deputy		
4. Agency/Organization Representatives:		Division/Group	FIRE SUPPRESSION	Galena FD
Agency/Organization	Name	Division/Group	SPILL CONTROL	WCEC/Bay West
US F&WS	Russell Engelke	Division/Group		
Illinois IMT	Dennis Bingheim	Division/Group		
Illinois DNR	Cpt. Laura Petreikis	Division/Group		
OSHA	Eric Christensen	Branch	EMS	
City of Galena	Mark Moran	Branch Director		
Jo Daviess Sheriff	Kevin Turner	Deputy		
5. Planning Section:		Division/Group	EMS	
Chief	Jason Coyle	Division/Group		
Deputy	Paul Ruesch	Division/Group		
Resources Unit	Ashley Reardon	Branch	LAW ENFORCEMENT	
Situation Unit	Ann Whelan	Branch Director		
Documentation Unit	Anton Avguchenko	Deputy		
Demobilization Unit		Division/Group	PERIMETER	
Technical Specialists	Shawn Wnek, PhD (Tox)	Division/Group		
USCG Strike Team	Rich Forte	Branch	ENVIRONMENTAL	
		Division/Group	Soil	Arcadis
		Division/Group	Air	CTEH
6. Logistics Section:		Division/Group	Water	Pinnacle/TRC
Chief	BNSF RR	Division/Group	Oversight	EPA
Deputy		Air Operations Branch		
Support Branch		Air Ops Branch Dir.		
Director	IL IMT			
Supply Unit				
Facilities Unit	IL IMT	8. Finance/Administration Section:		
Ground Support Unit	IL IMT	Chief	BNSF RR	
Service Branch		Deputy	IL-IMT BOB DOTY (T)	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: BNSF GALENA DERAILMENT		2. Operational Period: Date From: 3/8/15 Date To: 3/9/15 Time From: 0830 HRS Time To: 0830 HRS	
Director		Time Unit	
Communications Unit	JW Cheney / Bob Springer	Procurement Unit	
Medical Unit		Comp/Claims Unit	
Food Unit	ARC, LESLIE MASTERONI	Cost Unit	
9. Prepared by: Name: <u>Mike Rosdahl</u> Position/Title: <u>Staff Scientist</u> Signature: _____			
ICS 203	IAP Page _____	Date/Time: <u>3/7/15 1245 HRS</u>	

ICS 204 - Assignment List

Incident:	BNSF Galena Derailment	Period:	#4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT
Branch:	CONSTRUCTION	Division / Group:	CONSTRUCTION
Prepared By:		Version Name:	03/07/2015 20:23 CST
Unit:			

Tactical Objective

Assignments

TANK CAR REMOVAL

Resources Required

Resource Identifier	Leader	# of Units	Contact	Notes

Assignment Progress and Issues

Location of Work

ICS 204 - Assignment List

Incident: BNSF Galena Derailment	Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT			
Branch: RECOVERY/ CONTAINMENT	Division / Group: RECOVERY/CONTAINMENT			
Prepared By:	Version Name: 03/07/2015 20:26 CST			
Unit:				
Tactical Objective				
Assignments				
BOOMING				
SOIL REMOVAL				
PRODUCT RECOVERY/REMOVAL				
Resources Required				
Resource Identifier	Leader	# of Units	Contact	Notes
Assignment Progress and Issues				
Location of Work				

ICS 204 - Assignment List				
Incident: BNSF Galena Derailment		Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT		
Branch: ENVIRONMENTAL		Division / Group: ENVIRONMENTAL		
Prepared By:		Version Name: 03/07/2015 20:30 CST		
Unit:				
Tactical Objective				
Assignments				
RIVER SURVEY/SAMPLING				
SOIL SAMPLING				
SCAT				
WELL SAMPLING				
AIR MONITORING				
Resources Required				
Resource Identifier	Leader	# of Units	Contact	Notes
Assignment Progress and Issues				
Location of Work				

ICS 205: Communication Plan

Incident: BNSF Galena Derailment	Prepared By:
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: 03/07/2015 20:56 CST

Radio Listings

Zone Grp.	Ch #	Function	Channel Name / Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone / NAC	TX Freq N or W	TX Tone / NAC	Mode (A, D or M)	Remarks
			NORTH A	COMMAND					A	STARCOM ZONE AA
			VTAC11	OPERATIONS	151.1 375 N	156.7	151.13 75 N	156.7	A	ITECHS VHF BaseN Zone
			FG BLUE	FIRE/EMS	154.2 950 N	CS	154.29 50N	85.4	A	ITECS VHF FireN Zone
			JC CD W	LE PERIMETER	0	0	0	0	0	0

Phone Listings

Name	Title	Phone	Radio	Email	Other
Ashley Reardon	Data Management - CTEH	501-247-6691	<input type="checkbox"/>	areardon@cteh.com	
Chris Thessing	GIS/Aerial Imagery	501-515-1228	<input type="checkbox"/>	cthessing@cteh.com	
Clay Reid	Manager, Hazardous Materials Field Ops and ER	817-313-0592	<input checked="" type="checkbox"/>	Clay.Reid@BNSF.com	
Cory Davis	Partner/Principal Consultant	501-258-7881	<input type="checkbox"/>	cdavis@cteh.com	
Dave Estep	Manager, Sunpro	708-653-2559	<input type="checkbox"/>		
Derek Lampkin	Manager, Hazardous Materials	612-760-1365	<input checked="" type="checkbox"/>	Derek.Lampkin@BNSF.com	
Don Warren	CTEH PM (Onsite air monitoring)	601-278-7814	<input type="checkbox"/>	dwarren@cteh.com	
Dr. Shawn Wnek	Toxicologist, CTEH Project Technical Director	501-258-7132	<input type="checkbox"/>	swnek@cteh.com	
Jaime Brown	Incident Commander	312-802-0682	<input type="checkbox"/>	brown.jaime@epa.gov	
Jason Braun	Vac Team One	651-398-0415	<input type="checkbox"/>		
Kyle Bennett	CTEH Project Manager (Community Air)	501-747-6787	<input type="checkbox"/>	kbennett@cteh.com	
Marcus Murphy	Air Boat Team 1	563-542-3286	<input type="checkbox"/>		
Patrick Brady	Director, Hazardous Materials Safety	817-821-1325	<input checked="" type="checkbox"/>	patrick.brady@bnsf.com	
Paul Ruesch	EPA Region 5 OSC	312-919-4382	<input type="checkbox"/>	ruesch.paul@epa.gov	
Paul Ruesch	Planning Section Chief		<input type="checkbox"/>	ruesch.paul@epa.gov	
Ramon Mendoza	Operations Section	312-802-1409	<input type="checkbox"/>	mendoza.ramon@epa.gov	
Steve Faryan	ENVL EPA Region 5		<input type="checkbox"/>		
Steve Pierson	Vac Team Two	651-785-6074	<input type="checkbox"/>		
William Wazny	Liaison Officer	773-491-8535	<input type="checkbox"/>	william.wazny1@bnsf.com	

Additional Comments

ICS 206: Medical Plan

Incident: BNSF Galena Derailment	Prepared By: Cory Davis
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: 03/07/2015 20:54 CST

First Aid Stations

Name	Location	EMT On Site	Phone	Radio
Incident Command Post	Underneath the IL 84, US 20 Bridge. Near 200 Spring Street, Galena, IL	Yes		FG BLUE
CTEH Command Post (AED Station)	Underneath the IL 84, US 20 Bridge. Near 200 Spring Street, Galena, IL		866-869-2834 FOR EMERGENCY ONLY	
Hulcher Staging Area (South/East end of derailment)	Near rail crossing at 1500 South River Road, Galena, IL			

Transportation (Ground and/or Air Ambulance Services)

Name	Location	Paramedics	Phone	Radio
Galena Ambulance Service		No		JSC CD

Hospitals

Name	Location	Burn Center	Helipad	Phone	Radio
Midwest Medical Center	1 Medical Center Drive, Galena, IL	No	Yes	815-777-1340	
OSF Saint Anthony Medical Center	Rockford, IL	Yes	Yes	815-226-2000	
Dubuque Hospital	Dubuque, IA	Yes	Yes		

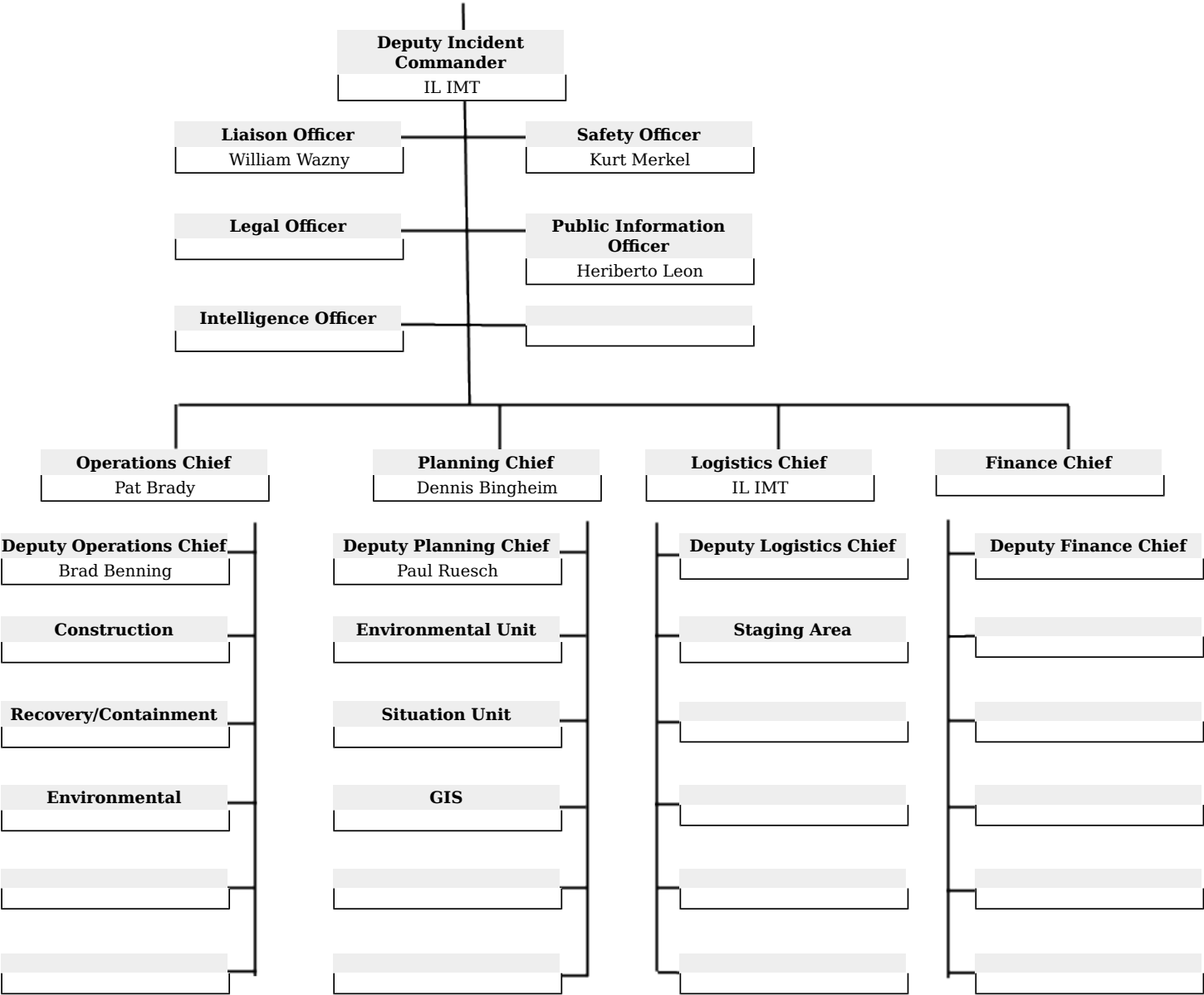
Special Medical Emergency Procedures

Nearest burn center is in Rockford, IL at St. Anthony's. There are helipads at both Midwest Medical Center in Galena and at St. Anthony's in Rockford. Announce location and number of injured. Report nature of injuries. Treat injured to your level of training. Request EMS if required. All injuries will be documented and reported through proper chain of command. All transported injured should bring copy of SDS (copies available in ambulance staged in work area). First report of injury forms will be completed as soon as practicable and will be turned into Safety Officer. Safety Officer will work with Operations to conduct investigation.

ICS 207: Organizational Chart

Incident: BNSF Galena Derailment	Prepared By: Ashley Reardon
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: 03/07/2015 21:41 CST

Federal Jaime Brown, US EPA	Incident Commander Cpt. Randy Beadle, GFD	State George Krebs, IEPA	Federal Mark Razny, PHMSA	Federal Steve Illich, FRA
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SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: BNSF Galena Derailment	2. Operational Period:	Date From: 3/8/2015 Time From: 0830	Date To: 3/9/2015 Time To: 0830
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3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

Top Priority:
Responder and Public Safety

Hospital information:
Midwest Medical Center
1 Medical Center Drive
Galena, IL 61036
815-777-1340 or 911
Anyone transported to hospital should have a SDS sent with them

Product Information:
Petroleum Crude Oil (30-50%)
C.A.S. # 8002-05-9
Benzene (.1-1%)
C.A.S # 71-43-2
Hydrogen Sulfide (<.1%)
C.A.S. #7783-06-4

General Safety:
Slip trips and falls
Traffic/Personnel Awareness
Appropriate PPE, High Visibility clothing for all locations/personnel
EMS will be on standby throughout incident
Personnel on site will identify evacuation routes and re-unification point
Tank cars that are not burning will be temperature monitored every 30 minutes and any substantial rise will be deemed unsafe

Water/Ice:
US Coast Guard approved Personal Floatation Devices (PFD) (type III or V) for any on-water operations or within 8 feet of water
Any on-ice operations should include the use of fall protection harness and a dedicated tether
Watch for open areas in ice
Crampons or other non-slip devices for on-ice operations

Boats:
The maximum number of personnel and weight that can safely be transported will be posted on all motorboats and skiffs. The number of personnel (including crew) will not exceed the number of PFDs aboard. Each boat and skiff will have sufficient room, freeboard, and stability to safely carry the cargo and number of persons allowed with consideration given to the weather and water conditions in which it will be operated. Air boats, motorboats and skiffs less than 20 ft (6 m) in length will meet 33 CFR 183 requiring level floatation after flooding or swamping. All open motorboats will be equipped with "kill (dead man) switches". At least one fire extinguisher with ABC rating will be carried on all motorboat and skiff. Emergency Lighting (battery operated lights) are contained on each motorboat and skiff. Each boat will be equipped with a marine band radio for use in emergency communication. Additional forms of communications devices will be other radios to be used between Pinnacle teams and cell phones. General alarm device (Air horn attached to life ring station) will be contained on each boat. All boats will be equipped with a rescue life line (rope or ring) suitable for emergency rescue. All boats to be used on ice or ice out conditions will be constructed with ice capable hulls.

1. Incident Name: BNSF Galena Derailment		2. Operational Period:		Date From: 3/8/2015 Time From: 0830	Date To: 3/9/2015 Time To: 0830
<p>Heavy Equipment Be aware of turn radius of equipment such as; side booms, dozers, track hoes, cranes, vac trucks, ...etc.</p> <p>Cold Weather: Be aware of the threats of frostbite and hypothermia: uncontrollable shaking, blue lip and ears, and white spots on face. Rotate personnel, dress in layers</p> <p>Apparatus – all personnel seated and belted.</p> <p>Working in the “Hot Zone” Fire Retardent Clothing (FRC) will be required when working in the Hot Zone of operations. In addition, full bunker gear will be required to be donned while performing any and all cutting, brazing, and transferring operations.</p>					
4. Site Safety Plan Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located At:					
5. Prepared by: Name: Mike Rosdahl		Position/Title: Staff Scientist		Signature: _____	
ICS 208	IAP Page	Date/Time: 3/6/2015 12:00 AM			

ICS 214: Activity Log

Incident: BNSF Galena Derailment	Prepared By:
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT	Version Name: 03/07/2015 10:13 CST
Unit:	





Summary of Actions & Events

Date	Unit	Start Time	End Time	Action / Event / Notes

ICS 230: Daily Meeting Schedule

Incident: BNSF Galena Derailment			Prepared By: Jason Coyle	
Period: #4: 03/08/2015 08:30 CDT - 03/09/2015 08:30 CDT			Version Name: 03/07/2015 19:11 CST	
Meetings				
Meeting Name	Date / Time	Purpose	Attendees	Location
Command & General Staff Meeting	03/08/2015 08:00 CDT	Define objectives	Command and General Staff (USEPA, IEPA, BNSF, FRA, Galena FD)	EPA MCP or BNSF meeting trailer
Safety & Operations Briefing	03/08/2015 08:30 CDT	Safety & Ops to Ops personnel. Deploy next OP	Site personnel, Supervisors	Under Hwy 20 bridge
Tactics Meeting	03/08/2015 10:00 CDT	Operation tactics planning, develop ICS 204s/215s	Operations Section Chief, Safety Officer, Logistics Section Chief, and Planning Section Chief.	BNSF meeting trailer
Planning Meeting	03/08/2015 13:00 CDT	IAP development	Command and General Staff	BNSF meeting trailer
Operations Update	03/08/2015 14:30 CDT	Discuss daily Ops objectives	Site personnel, supervisors	Under Hwy 20 bridge
IAP & SITREP Approval	03/08/2015 17:00 CDT	Approve and sign IAP, copy and distribution	IC/UC, PSC, SITL	BNSF meeting trailer
Operations Briefing	03/08/2015 20:30 CDT	Provide update on day operations & changes for night shift	Site personnel, supervisors	Under Hwy 20 bridge

**Legend**

-  Bridge Staging
-  Source
-  1 mile buffer
-  5 mile buffer