

Response to Ike's Tesoro Fuel Fire

An Example of "Winning" Mutual Aid Planning



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Jefferson County/Mud Lake

- Jefferson County
 - Population 19,155
 - Density (17.5 people per sq mi)
 - Largest City ... Rigby (~3,000)
- Mud Lake
 - Population 270
 - Volunteer Fire Department



Ike's Site Plan

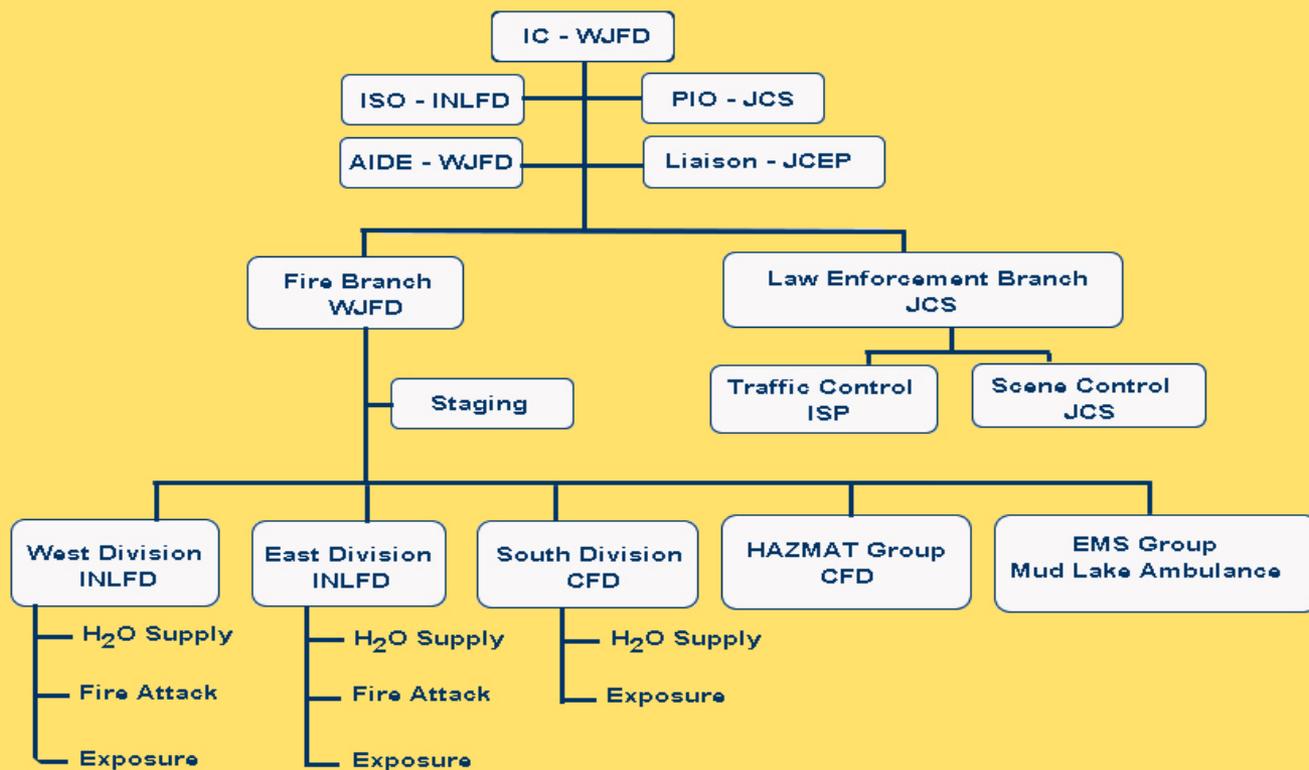


INL - One of Nine Affected / Responding Agencies

- Agencies:
West Jefferson Fire District,
Roberts Fire Dept, Central Fire
District, Hamer Fire Dept, INL Fire,
Jefferson County Sheriff, Idaho
State Police, Idaho Bureau of
Homeland Security, Jefferson
County Emergency Planning
- Apparatus:
 - 8 Pumpers
 - 2 Mini-pumpers
 - 5 Water Tenders
 - 2 Ladders
 - 3 Special Operations
 - 5 Ambulances
 - 3 QRUs
- Personnel:
 - 100+ Emergency Responders



Incident Command Structure



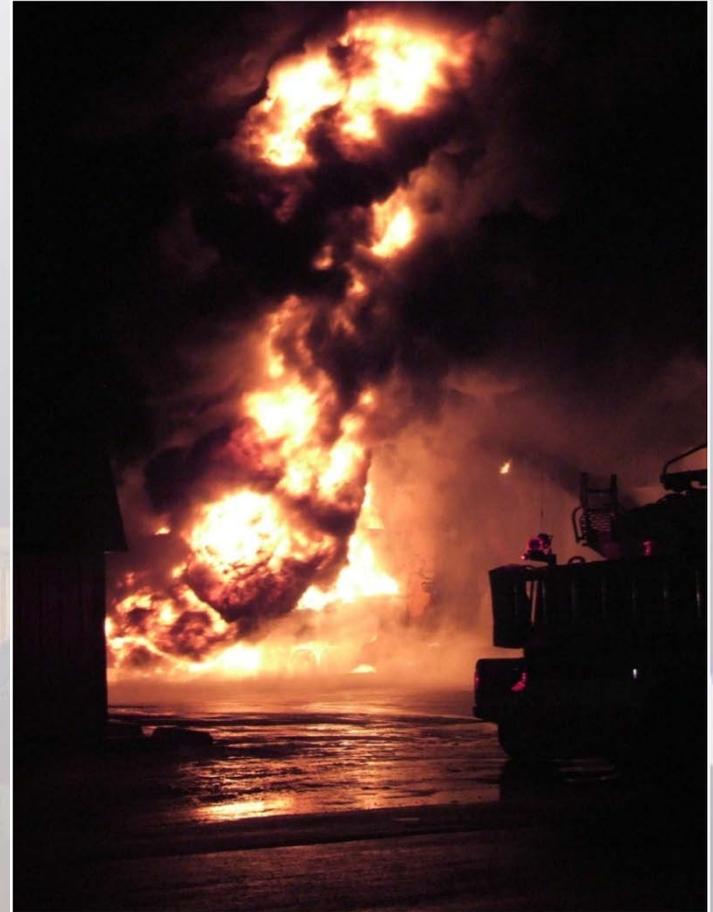
Objectives / Action Plan



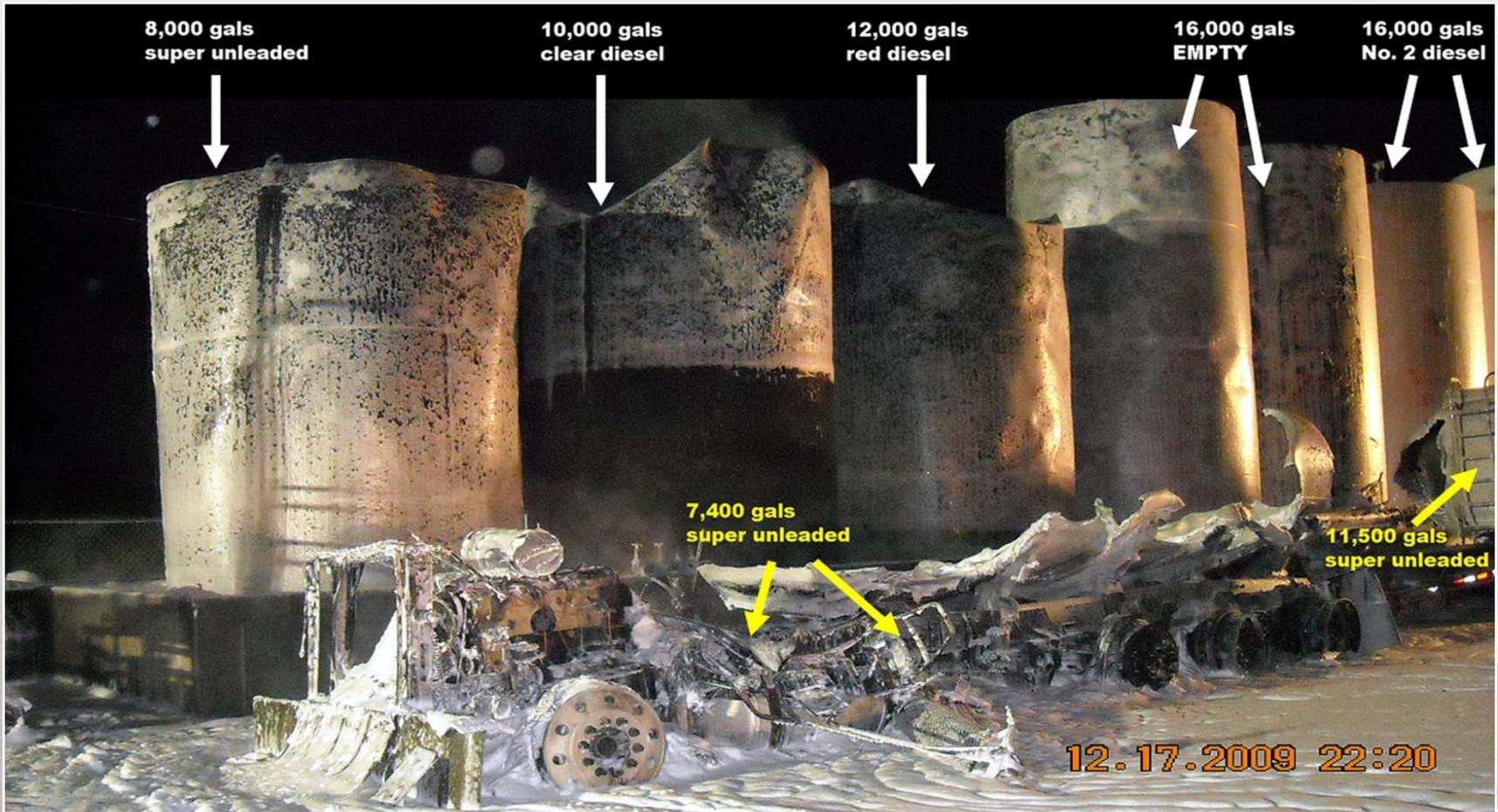
- Evacuate Trailer Park
- Exposure Protection
- Offensive attack to prevent secondary tank explosions
 - Aerial and unmanned master streams
- Contain Fire
 - Foam Operations
- Isolate Runoff
- Clean Up/HazMat

Response Time Line Significant Events

- Transport offloading super unleaded to above ground tank
- 1734 Initial Report of Fire
- 1744 INL Dispatched
- 1752 BLEVE #1
- 1755 INL Eng Co. 3 On Scene
- 1800 BLEVE #2
- 1816 Trailer Park Evacuated
- 1820 INL Eng Co. 1 On Scene
- 1827 BLEVE #3
- 2008 Fire Under Control...Mop Up
- 2023 Fire Out...HAZMAT Re-Entry
- 2136 All INL Resources Clear



Summary of Damage



Summary of Damage



- Summary of Damage (~\$2M)
 - Direct Property Casualty (fuel depot, transport, power poles)
 - Exposure Damage
 - Fuel Run Off



What Could Have Gone Better?

- Crowd Control
- Water Supply Coordination
- AFFF Evolutions
- ICS Formality, Including ICP
- Communications, Radio Interoperability



What Went Well?



- No injuries
- Risk Management
- Incident Safety
- Water Relay/CAFS
- Reciprocal Aid Agreement and process to execute quickly
- After Action Review



INL Fire Department

- Emergency Services Delivered to all INL Site areas and Contractors
 - 890 square miles
 - Eight Principle Campuses
 - Four Operating Contractors
- Emergency Services Include:
 - Emergency Medical Service (EMT-A)
 - Structural Fire Suppression
 - Wildland Fire Suppression
 - Hazmat (Technician Level)
 - Rescue (Confined Space, High-Angle, Structural Collapse)
 - Fire Alarm System Monitoring/Dispatch

INL Fire Department

- Three Stations
- 90 Personnel
 - 69 firefighters
 - 5 dispatchers
 - 6 battalion chiefs
 - 10 overhead
- Critical Minimum Staffing (23 personnel)
 - 4 five man engine companies
 - 2 battalion chiefs
 - 1 dispatcher

INL Site Map



INL Fire Department Apparatus



- 5 Quints (55 ft)
- 4 Type 3 Wildland Engines
- Hazmat Response Van
- 3,000-gal Water Tender
- Special Operations Truck
- 5 Ambulances
- Command Units (2)
- Support pickups (4)
- Support trailers



INL Mutual Aid Planning

- INL Emergency Plan includes 26 mutual aid agreements
- Eleven that directly affect first responder resource deployment
 - Wildland Fire Response (3)
 - Structural Fire, Hazmat, Rescue Response (2)
 - EMS Response (2)
 - Law Enforcement (7)
- Four that affect regional hospital facilities
- Balance that affect emergency planning agency coordination



Reciprocal Fire Fighting Assistance Agreement

- Enabled the multi-agency response to Ike's Tesoro Fire
- Championed by the laboratory and initially established in 1994
- Sixteen signatory southeastern Idaho fire departments (including INL)
 - Three career departments
 - Five combination departments
 - Eight volunteer departments
- Is the only agreement establishing mutual aid protocol between signature parties

Idaho National Laboratory	Identifier: PLN-114
APPENDIX C, AGREEMENTS	Revision: 12
	Effective Date: 12/15/08 Page: C-94 of C-137

Reciprocal Fire Fighting Assistance Agreement.

GM 07-00ID11409

RECIPROCAL FIRE FIGHTING ASSISTANCE AGREEMENT

AGREEMENT made and entered into by, between and among each of those agencies/entities whose authorized representatives have executed signature pages referencing this agreement as Number GM07-00ID11409, the original or a copy of which is attached to this agreement

RECITALS:

WHEREAS, all parties hereto maintain equipment and personnel for the purpose of providing emergency response within their respective jurisdiction; and,

WHEREAS, all of the parties hereto desire to augment the emergency services available in its respective jurisdiction and areas in the event of major emergency events which include fire, rescue, hazardous material spill, medical emergency, flood, earthquake or other similar occurrences; and,

WHEREAS, the lands, areas, buildings and properties within the jurisdiction of the parties hereto are within such distance from each other that mutual assistance in an emergency is deemed feasible; and,

WHEREAS, it is anticipated that other agencies/entities may desire to become parties to this agreement, and to alleviate the need to amend the agreement each time with the attendant requirement of recirculating for signature, provisions are included in this agreement simplifying the process; and,

WHEREAS, it is mutually deemed sound, desirable, practicable and beneficial for the parties to this agreement to render assistance to each and one another in accordance with these terms;

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS OF THE PARTIES, IT IS AGREED:

1. This agreement shall be deemed effective when the fully executed signature pages of at least two parties have been attached to the underlying agreement and shall remain in effect for five years. At the end of five years, and upon agreement of the parties, a formal renewal will be executed.
2. In the event a request is made by an agency/entity to become a party to this agreement, all parties hereto agree that the request shall be submitted to the manager of the United States Department of Energy, Idaho Operations office (DOE-ID), who shall have the authority to determine if the requesting agency/entity may become a party. It is anticipated that all parties will seek to develop guidelines to assist with the determination of qualification to participate. Upon attachment of the new party's fully executed signature page to DOE-ID's copy of the agreement, this agreement shall be deemed effective with regard to the new party, and DOE-ID will ensure that copies of the signature pages are provided to all other parties to this agreement.



INL Mutual Aid Authorization Criteria

- Established protocol (SOP) is essential to enabling timely response
- Battalion Chief is authorized to release one engine company upon request from affected dispatch center or senior officer
- Deputy Chief or Fire Chief is authorized to release a second engine company upon request from responding Battalion Chief



INL Mutual Aid Authorization Criteria

- Must have identified emergency staffing criteria (Full alarm assignment at INL)
- INL Dispatch notifies facilities of limited response status
- Emergency call back of personnel is initiated
- Automatic aid parameters are defined by MOU for response to motor vehicle accidents and medical emergencies along highways that pass through INL
- Periodic coordination between dispatch centers/agencies is recommended to ensure understanding of mutual aid request protocols



Mutual Aid Benefits All Parties

- Enables additional and/or specialized resources for low frequency, high challenge incidents
- If crafted correctly, provides mechanism to increase training collaboration between response agencies
- Supports laboratory/community outreach initiatives
 - Mutual aid is a very visible avenue for emergency service organizations to demonstrate a labs benefit to the community



Mutual Aid Benefits All Parties

- Improves collaboration/partnership at regional and state levels
 - Ike's response has become key for receiving state allocation of 700 MHz frequency to INL land mobile radio upgrade
- Provides necessary experience opportunity for response personnel
 - DOE is highly protected risk with exceptional fire loss experience
 - Infrequent working structural fires and related emergencies challenges the experience base
 - Drills and exercises are necessary and beneficial but not equivalent to fire ground experience



Are You Ready for Your “Ike’s” Response Victory?

- Mutual Aid Agreements in Place
- Understood protocols to execute mutual aid in timely manner
- Periodic drills or exercises with mutual aid partners with command and control emphasis
- Interoperable radio communications



Questions?

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