



Customers: **Explosive Demolition/Explosive Marine Salvage**
Project Name: **Explosive Projects**
Project Location: **Gulf of Mexico/Internationally**
Project Dates: **1987-ongoing**
Client Contact: **Oil and Gas Industry-Demolition and Salvage Contractors;**
Bisso Marine LLC-Cody Sims (281)897-1500
Fieldwood Energy LLC-Brandon DeWolfe (281)784-4700
Manson Gulf Inc.-Brandt Stagni (985)580-1900
Tetra Technologies-Troy Bernardo (281)364-5032

Project Summary:

As both a Federally and State of Louisiana licensed explosive contractor, ESI manufactures and deploys over 200,000 lbs. of explosives annually from our Louisiana based explosive facility in support of our explosive demolition and marine salvage operations. ESI holds two (2) separate US patents on explosive cutting tools we developed and utilize in the explosive demolition industry. Since our inception in 1987, ESI has successfully and safely conducted thousands of explosive demolition operations both domestically and internationally. We have created new state of the art explosive technology which was developed to use 75% less explosives than routine blasting operations. This new technology was developed to provide reduced environmental impact during explosive operations. Our unique patents focus on safer more efficient explosive technology for our industry.





As the leading explosive demolition and marine salvage contractor in the Gulf of Mexico, we routinely work in less than ideal conditions achieving job success for our customers. Our team of experienced Explosive Technicians is some of the most knowledgeable in the industry. Although we are a small veteran owned Louisiana company, we are highly specialized and capable of conducting large scale demolition and disposal projects. Our resources range from experienced explosive handling personnel to the successful completion of unique explosive projects which we feel have attributed to our well known

success in our industry. Safety is our mission and our impeccable safety record with "zero" explosive accidents with over twenty-eight (28) years of experience in the explosive industry



speaks for itself. We are recognized as "certified" explosive safety trainers by the Louisiana State Police and teach (32) hour, (16) hour and (8) hour refresher explosive courses from our Louisiana based explosive range facility.



Customers: **US EPA Region VI & Environmental Quality Mgt. Region VI, ERRS Contractor**

Project Name: **Hurricane Katrina Ordinance/Explosive Recovery**

Project Location: **Louisiana & Mississippi**

Project Dates: **2005 - 2007**

Client Contact: **Jack Greber, EQM, JGreber@EQM.com**

Project Summary:

During the aftermaths of Hurricanes Katrina and Rita from 2005-2007, Explosive Service International (ESI) managed a multi-million dollar long term EPA contract which safely recovered and transported over 400,000 pounds of hazard class 1.1, 1.3 and 1.4 materials from the Louisiana, Mississippi and Texas coastal areas. During this two year project, ESI without incident, responded and remediated explosives, fireworks, smokeless and black propellant powder and firearms related recovers in less than ideal operating conditions. ESI worked directly with Environmental Quality Management (EQM), EPA Region VI ERRS contractor, as well as, for numerous US EPA Region VI on scene coordinators.



During the contract, ESI conducted numerous on-site explosive and hazard material disposals by "Open Burn" on various types of 1.1, 1.3 & 1.4 materials in the field under the supervision of The Louisiana Department of Environmental Quality (LDEQ) and EPA. ESI's management successfully coordinated all of



these recovery/disposal efforts to a safe resolution. As a Louisiana owned and operated company, ESI used its Louisiana employees to successfully resolve a complex Louisiana problem that posed an eminent threat to the citizens of our state. The relationship formed with EQM during this prolonged emergency response operation will prove to be vital to the success of the Camp Minden M6 disposal operation.





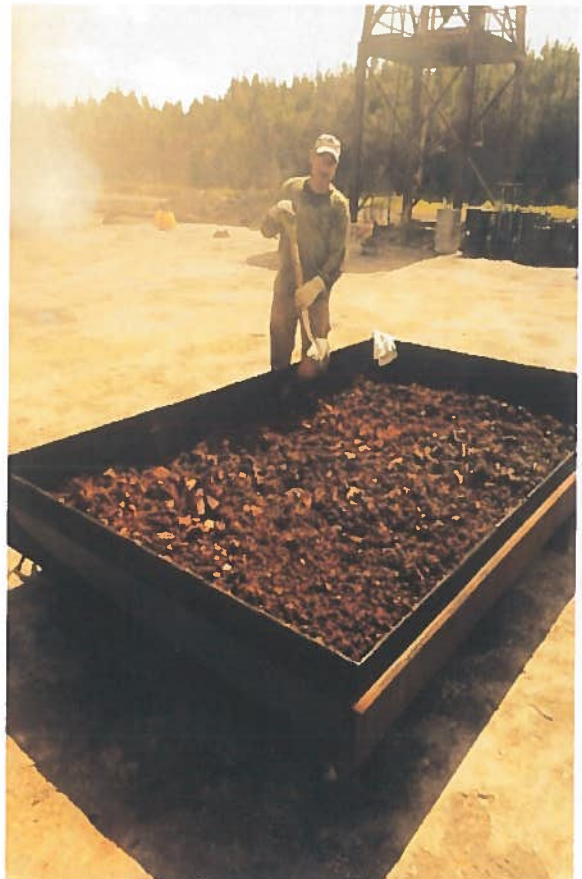
Customers: **State of Louisiana, Louisiana Military Department**
Project Name: **TNT Sludge, Ammonium Picrate, Pink H₂O Disposal**
Project Location: **Camp Minden, Louisiana**
Project Dates: **August 2014**
Client Contact: **Col. Ronnie Stuckey, Louisiana Military Department**

Project Summary:

In August of 2014, ESI was awarded a contract to dispose of 2,800 lbs of TNT, 150 lbs of Ammonium Picrate and 1,100 gallons of contaminated TNT Water for the Louisiana Military Department. ESI responded to Camp with (2) of their burn trays and supporting equipment necessary to complete this "Open Burn" project. ESI prepared and obtained all necessary LDEQ permitting required to conduct the "Open Burn" on Camp Minden. After establishing a temporary burn site at E-line, ESI personnel safely conducted all tasks associated with the disposal under the supervision of the LMD, Louisiana Department of Environmental Quality (LDEQ) and EPA. ESI used one of our large portable explosive magazines to safely transport the hazard class 1.1 explosives from the magazines to the disposal site. The project resulted in the safe disposal of approximately 2,950 lbs of hazardous explosives and approximately 1100 gallons of contaminated TNT water profiled, manifested and transported offsite for disposal. ESI's Louisiana based business and current licensed explosive technicians provided the State of Louisiana-LMD a viable means to safely remove explosive material from the magazines and dispose of it on-site at Camp Minden. ESI's procedures, techniques and equipment used to conduct this disposal will be



similar in concept to the pending M-6 disposal. Again, ESI demonstrated our ability to conduct on-site disposal operations in less than ideal circumstances at Camp Minden without incident.





Customers: Explo Systems Inc.
Project Name: Camp Minden Magazine Explosion
Project Location: Camp Minden, Louisiana
Project Dates: October 2012
Client Contact: Col. Ronnie Stuckey Louisiana Military Department

Project Summary:

In October of 2012, ESI was contacted by Explo Systems Inc. and requested to respond to Camp Minden after a bunker containing propellant powder exploded. ESI responded with and under the supervision of the Louisiana State Police, LDEQ and LMD safely handled and disposed of



approximately 15,000 lbs. of M-6 and other propellant that remained after the explosive magazine and tractor trailer containing approx. 160,000 lbs. of explosives, detonated. ESI managed other contracted personnel while they retrieved the material which was spread over a 5 acre area around the bunker. ESI was the sole contractor that conducted all open burning operations of the material on site. We coordinated our operations through several state regulatory agencies who were heavily involved in the remediation effort. During this incident, we

safely disposed of M-6 and other propellant powders recovered from the explosion without incident. The environmental working conditions were less than ideal. Our Louisiana based explosive company and experienced personnel provided a safe resolution to a catastrophic event for the State of Louisiana, Louisiana Military Department at Camp Minden.





Customers: **Railroad Emergency Response**
Project Name: **Vent and Burn of Hazardous Materials**
Project Location: **United States and Canada**
Project Dates: **1989-Present**
Client Contact: **Pat Brady-BNSF Railroad (817) 740-7358**
Danny Simpson-CN Railroad (708) 476-5967
Tim Obrien-UP Railroad (281) 350-7490

Project Summary:

ESI's innovative technology lead to the development of a state of the art procedure to vent high pressure rail car tanks carrying vast amounts of dangerous high pressure gases. This concept commonly referred to as "Vent and Burn", uses an ESI designed explosive charge to cut a precision hole in a steel tank car and vent the vapors while simultaneously burning them. This process is conducted on an emergency response basis and as a last resort to prevent the rail car from exploding under intense pressure. The unique explosive charges utilized during this procedure were engineered by ESI and have led to the safe resolution to over (95) operations in both the



United States and Canada. This ESI technique has been responsible for saving countless emergency response personnel lives, as well as, saving our customers millions of dollars in property damage from the devastating effects of an uncontrolled explosion. ESI is the only company in the world that has successfully conducted this emergency response explosive mitigation technique. We currently hold service agreements with all the major US and Canadian Rail Road companies. We have routinely worked with numerous regional offices of the United States Environmental Protection Agency, countless state environmental agencies around the United States, as well as, Canadian transportation and environmental officials.



Customers: **US Environmental Protection Agency**
Project Name: **Iso-Butane Vent and Burn**
Project Location: **Baton Rouge, Louisiana**
Project Dates: **August 2012**
Client Contact: **Greg Fife, OSC EPA Region VI**

Project Summary:

In August of 2012, ESI responded to a complex hazardous materials incident on Interstate 10 at Essen Lane in Baton Rouge. A cargo tanker carrying 15,000 gallons of hazardous Isobutane material was involved in accident near Our Lady of The Lake Regional Hospital. ESI was contacted by The Louisiana State Police (LSP) and requested to respond to the scene for remediation through ESI's "Vent and Burn" procedure. ESI's Vent and Burn technique was developed solely by ESI to remotely cut precision holes in steel tanks utilizing explosives before they catastrophically fail due to extreme pressure.



Once the cargo tank is vented, the dangerous vapors are consumed by fire, preventing first responders from attempting to transfer the otherwise unstable material with potentially deadly results. The assessment of the incident resulted in a decision by the incident command structure to request ESI to Vent and Burn the damaged cargo tanker which was leaking hazardous materials into the surrounding community. ESI was included in the incident command structure and coordinated its explosive remediation efforts through the LSP,



Louisiana Department of Environmental Quality and Environmental Protection Agency Region VI. The circumstances surrounding the incident called for the evacuation of a nursing home, residential homes and businesses surrounding the Essen Lane/Interstate 10 area of Baton Rouge, a major artery for East/West bound traffic through the US. EPA assumed a leadership role and contracted directly with ESI to safely mitigate the incident. ESI's engineered explosive charges were successfully utilized to resolve a complex incident for both the

citizens of Louisiana as well as numerous regulatory agencies. This was ESI's ninety-second (92) successful vent and burn operation and confirmed that our specialized explosive skills mitigated an otherwise catastrophic event in our states capitol.



Customers: **US Army Corps of Engineers**
Project Name: **Fork Polk UXO/UXB**
Project Location: **Fork Polk US Army-Ordnance Range**
Project Dates: **Reoccurring**
Client Contact: **USA Environmental**

Project Summary:

Because explosive contractors must be licensed to conduct explosive work in the State of Louisiana; ESI is routinely hired by range clearance contractors who are not licensed to conduct these disposal operations at military installations around the state. Some of ESI's customers include USA Environmental and PIKA International. These explosive projects are in support of military range clearance operations. These photographs illustrate ESI's explosive capabilities in support of contracted range disposal operations.

