

Project Profile

EAGLE SWS

DM

Demolition/Dismantlement & Asset Recovery

Location	Big Spring, Texas
Client	ALON
Contract Amount	Confidential
Date of Performance	February 18, 2008 through present
Eagle-SWS Role	Prime Contractor

Description: On, February 18, 2008, Eagle-SWS responded to a request for emergency services for an explosion at ALON USA's oil refinery located in Big Spring, Texas. The refinery produces around 70,000 barrels of oil a day, of which half is used for gasoline production. The explosion released various petroleum products on the refinery site. Eagle-SWS was dispatched to control, contain, and remove oil and petrochemical products released due to tank and product line failures. Eagle-SWS utilized containment boom, sorbent boom and other sorbents to stop and control the products on the five acre lake adjacent to the refinery.

Eagle-SWS controlled and contained acid and caustic releases from tanks and piping due to the explosion and fire at the refinery. Eagle-SWS utilized Level B and C PPE to plug and patch leaking lines and vessels to stop additional contamination. Eagle-SWS also neutralized runoff and pooling waters on the ALON site. Eagle-SWS isolated leaks in the hydrofluoric acid (HF) unit caused from the explosion using Level A&B PPE.



Eagle-SWS performed cold taps into the HF flare lines to isolate HF contamination and other hazardous substances. Eagle-SWS neutralized HF contaminated piping utilizing our own innovative design and process. To date, Eagle-SWS has successfully decontaminated over 500' of 24" pipe.

Eagle-SWS performed lab packing of the entire on-site petrochemical testing laboratory. Eagle-SWS personnel packed, labeled and profiled approximately 100 containers (55 gallon to 5 gallon) of various chemicals. Eagle-SWS also performed on-site detonation of unstable explosive chemicals found in the on-site laboratory.

Eagle-SWS designed and operated a chlorine neutralization system to successfully decontaminate five, one ton cylinders that were impacted and damaged by the fire and explosion with out releasing chlorine to the atmosphere. Eagle-SWS used company owned shear and grapple to demolish hazardous waste tanks that were damaged by the fire and explosions. The tanks were cleaned on-site by Eagle-SWS personnel utilizing a combination of vacuum trucks and air movers.

Eagle-SWS assisted in the design and operation of an on site HF neutralization system using a lime slurry mixture to neutralize and estimated 80,000 lbs of HF. Eagle-SWS dewatered approximately

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200,000 gallons of calcium fluoride slurry.

A total of 28 tanks and vessels, which included confined space entry and working on supplied air, were cleaned on site. The tanks contained caustic and/or acidic petroleum compounds. All products contained in the tanks had been altered from their natural state due to the high temperatures and fire.

Eagle-SWS excavated over a thousand yards of impacted soil from the site containing various contaminants. Eagle-SWS supplied all roll-off, vacuum and de-watering boxes for the entire ALON remediation project.

Project Highlights

- Eagle-SWS's emergency responders worked 24/7 to contain the run-off from the refinery and contain product on the nearby lake
- Vacuum trucks worked 24/7 to remove and transfer products into temporary storage
- Neutralization of hydrofluoric acid and chlorine
- On site detonation of unstable laboratory products