

MALLARD BAY LANDING BULK PLANT (Cameron Parish) LOUISIANA



**EPA REGION 6
CONGRESSIONAL DISTRICT 7**

**Contacts:
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**EPA ID# LA0000187518
Site ID: 0604848**

Updated: October 2009

Current Status

- In 1998, EPA conducted an initial emergency action to remove the sludge and oil waste materials from the site.
- From January to March 1999, EPA oversaw the removal and off-site disposal of approximately 866,304 gallons of oil/waste material from on-site tanks; however, an additional 152,392 gallons of thick, sludge-like oil/waste material could not be removed from some tanks because of its consistency.
- From 2000 through 2002, EPA investigated the extent of the contamination and designed a plan to clean up the site.
- From June 2003 to October 2003, EPA conducted a Remedial Action at the site. No hazardous substances remain at the Site above levels that prevent unlimited use and unrestricted exposure.
- Site was delisted from the National Priorities List (NPL) on September 19, 2005, and is available for reuse.

Benefits

The removal actions reduced any potential exposures to both human health and the environment from the toxins contained within the on-site tanks. The 2003 remedial action removed all remaining risks for exposure by removing the tank sludges and the contaminated soil hot spot, as well as all on-site structures. There are no long-term operation and maintenance requirements for the site since all contaminated wastes and materials have been removed from the site. In addition, an evaluation of the ground monitoring results obtained during the remedial action indicates no further action is needed regarding ground water at the site. Since the site no longer presents an unacceptable risk to human health and the environment because of the implemented remedy, institutional controls are not needed at the site.

National Priorities Listing (NPL) History

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|------------------------------|--------------------|
| NPL Inclusion Proposal Date: | May 11, 2000 |
| NPL Inclusion Final Date: | July 27, 2000 |
| HRS Site Score | 48.54 |
| NPL Deletion Proposal Date: | August 19, 2005 |
| NPL Final Deletion Date: | September 19, 2005 |

Site Description

- Location:** Located on the north bank of the Intracoastal Waterway, near mile marker 193, 23 miles northeast of Grand Cheniere, Cameron Parish, Louisiana.
- Population:** The nearest individual or regularly occupied building is the resident manager of the Jupiter Plant, located approximately 1,200 feet northeast of the facility. The area surrounding the facility is mainly undeveloped and utilized for hunting and cattle ranching. More than 20 miles of wetland frontage exist within 15 miles of the facility.
- Setting:** An inactive crude oil refining facility and bulk storage facility, situated on approximately 10 acres of land. The geographic center of the site is at Latitude 29° 56' 2.45" North and Longitude 92° 39' 19.69".
- Photos: [Before and After](#)

Wastes and Volumes

At the conclusion of the 1998 removal action, approximately 152,392 gallons of thick, sludge-like oil/waste material remained in some of the tanks, since it could not be removed due to its consistency. Chemical analyses of this remaining tank waste revealed elevated concentrations of styrene, benzene, toluene, ethylbenzene, xylenes, 2-methylnaphthalene, naphthalene, arsenic, barium, chromium, copper, lead, manganese, mercury, nickel, vanadium, and zinc. Sediment samples collected from the wetlands adjacent to the area containing the tank waste revealed elevated levels of arsenic, barium, copper, manganese, mercury, nickel, vanadium, and zinc.

The 2003 Remedial Action at the site included the following:

- S 200,150 gallons of sludge was extracted from the site and utilized as a supplemental fuel source at a thermal destruction facility.
- S 895 tons of on-site tanks, piping, and vessels were demolished, removed, decontaminated, and recycled or disposed.
- S 1120 cubic yards of contaminated soil was excavated and disposed in an appropriate landfill.
- S 5875 feet of 10 inch, 6 inch, and 4 inch pipe was demolished, cleaned out (combined with sludge wastes), and removed.
- S 7785 feet of 10 inch, 6 inch, and 4-inch pipe was evacuated and abandoned in place.
- S 4000 square feet of above ground buildings were dismantled, demolished, and disposed or recycled off-site.
- S 21 cubic yards of asbestos containing material was abated during demolition activities.
- S Surface water from on-site ponds meeting State discharge standards was discharged into an adjacent drainage canal.
- S Ground water met all Federal and State standards, so no further action was needed concerning ground water at the site.
- S The site was graded to prevent water accumulation.

Site Contacts

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| EPA Project Manager: | Mike Hebert | 214-665-8315 or 1-800-533-3508 |
| EPA Site Attorney: | Barbara Nann | 214-665-2157 or 1-800-533-3508 |
| EPA Community Involvement: | Janetta Coats | 214-665-6516 or 1-800-533-3508 |
| EPA Regional Public Liaison | Donn R. Walters | 214-665-6483 |
| LDEQ Louisiana State Contact: | Keith Horn | 225-765-0487 or 1-800-763-5424 |