

Appendix 5G

Summary of Longhorn Facility Response Plan

Appendix 5G

Summary of Oil Spill Facility Response Plan

This appendix presents a summary of the oil spill Facility Response Plan (FRP) that Longhorn has prepared. This summary includes an annotated outline of the FRP along with examples of several key portions of the FRP.

Annotated Outline – Volume I

Section	Summary of Contents
1.0 Introduction	Project description, legal requirements, plan for updates and revisions, certifications, and cross references
2.0 Release Response Organization	Long section that describes the organization and makeup of various response entities, such as the Onsite Response Team, Release Response Team, Qualified Individual, and senior level management participation in crisis level events
3.0 Emergency Response Procedures	Long section (58 pages) describing procedures for discharge detection/shutdown, notification, initial response, incident assessment, containment/recovery, sensitive area protection, shoreline/terrestrial cleanup, waste management, wildlife protection/rescue/rehabilitation, and after action review.
4.0 Response Resources	Short section describing Longhorn and contractor resources (manpower and equipment, more in Sec. 8)
5.0 Communications	Short section describing types of communications and protocols
6.0 Training and Drills	Plans for training and conduct of drills and exercises by Longhorn and contractors with option for participation by local agencies
7.0 Acronym List	Short section defining acronyms used in the FRP
8.0 Oil Spill Response Contractor Information	Long section with details of resources available from each oil spill response organization: Boots and Coots Special Services – 21 pages of detailed listings of manpower and equipment at each location; Equipment Rentals – several pages of firms that can supply heavy equipment and supplies; Longhorn Partners Response Point Data Sheet – Page for each critical milepost showing location, tier, reason for sensitivity, closest responder, response time, and additional resources and response times; Eagle Environmental Services – 3 page listing of equipment available and response time circles; Garner Environmental – 15 page detailed listing of resources available at various locations;

Annotated Outline – Volumes II and III:

Section	Summary of Contents
1.0 Operations Covered	Introduction, description of pipeline system, statement of significant and substantial harm determination
2.0 Discharge Scenarios	Short section that describes the methodology and assumptions used in calculating discharge scenarios
3.0 Initial Spill Response/ Notification Procedures	General procedures and lists of contact numbers for notifications to Longhorn personnel, response contractors, local agencies, and Federal/state agencies (more specifics on local contacts given in Sec. 4). Also includes reportable quantities and other criteria for reporting spills.
4.0 Site-Specific Spill Response Action	<p>Long section describing:</p> <p>Worst-case discharge volume for the zone</p> <p>Worst-case discharge spill response</p> <p>Tabular listing of sensitive areas with map references</p> <p>Overview map</p> <p>Medium level maps (color)</p> <p>For each county –</p> <ul style="list-style-type: none"> Detailed notification table Detailed maps (color) Initial Response Actions table Satellite photos of selected portions (color) Tactical Response Plans (color 11x17 inch with photos, maps, illustrations, response strategy, etc.) Map of surface water intake points for Travis <p>County</p>
5.0 Wildlife Sensitive Areas	Combination of text, tables, and maps discussing endangered and threatened species potentially near the pipeline and where they are likely to be found

Examples of some of the key exhibits from Volumes II and III follow.

**Condensed Example of: Harris County
Notifications and Telephone Numbers**

Affiliation	Phone Number	Name of Person Contacted	Time Contacted
A. COMPANY PERSONNEL			
Operations Control – 24 hour	(888) 465-9512		
Russ Korbe, Area Manager	(281) 240-5100 (Office) (281) 239-8708 (Home) (713) 725-1380 (Mobile)		
Etc. (3 more listings)			
B. INITIAL NOTIFICATIONS			
National Response Center (NRC) Direct Line	(800) 424-8802 (202) 267-2675		
Etc. (7 more listings)			
C. NOTIFICATIONS FOR COUNTY			
Closest Company Employees			
M. Bursleson	(713) 328-4024 (Home) etc.		
Etc. (6 more listings)			
Emergency Management			
Harris County LEPC Unincorporated (Channel View)	(713) 221-6000		
Etc. (10 more listings)			
Police Departments			
Harris County Sheriff Emergency Dispatch	(713) 221-6000		
Etc. (1 more listing)			
Fire Departments			
Houston Fire and EMS	(713) 222-3434		
Etc. (32 more listings)			
Emergency Response Contractors			
Boots & Coots	(800) 421-4911		
Etc. (2 more listings)			
Local Contractors			
Pumpco – Heavy Equipment	(409)542-9054		
Etc. (4 more listings)			
Sensitive Area Notifications			
Harris County Public Health & Environmental Services	(713) 920-2831		
Etc. (4 more listings)			
Schools/Day Care/Other Facilities			
Aldine ISD	(281) 449-1011		
Etc. (34 more listings)			
Media (TV and Radio)			
KNWS (TV)	(713) 974-5151		
Etc. (4 more listings)			

**HARRIS COUNTY
MP 0 TO MP 48.1
INITIAL RESPONSE ACTIONS**

Response Action	Person Taking Action (Initials)	Date/Time Action Taken
First Person To Discover Spill		
1. Immediately notify Longhorn Operations Control and the Sugarland Area Manager. Take appropriate action to protect life and ensure safety of personnel. Request Operations Control to notify the appropriate emergency responders. Operations Control will coordinate company response activities until company personnel arrive on scene. <input type="checkbox"/> Houston Dispatch <input type="checkbox"/> Harris County Dispatch <input type="checkbox"/> Galena Park Dispatch <input type="checkbox"/> Jacinto City Dispatch <input type="checkbox"/> Jersey Village Dispatch <input type="checkbox"/> Others		
2. When the leak is detected, Operations Control will shut down the pipeline following procedures in the Operations Control Manual for the Longhorn Pipeline. Remote Operated valves upstream of the release will be closed and downstream valves may be closed or left open to allow drainup, depending on conditions.		
3. The Longhorn First Responder assumes role of Longhorn Incident Commander until relieved. (Reference Longhorn Emergency Response Plan from the System of Operating Manuals) Estimated arrival time for Longhorn First Responder is 2 hours or less.		

**HARRIS COUNTY
MP 0 TO MP 48.1
INITIAL RESPONSE ACTIONS (Continued)**


Response Action	Person Taking Action (Initials)	Date/Time Action Taken												
<p>1. Conduct preliminary assessment of the situation including potential health and safety hazards. If someone is injured or if there is the potential for a fire or explosion, call out emergency services or request Operations control to call the emergency services. Request assistance from public agencies for site control and evacuations if necessary. Ensure that proper monitoring is conducted to ensure public and personnel safety. Ensure the necessary spill response contractors have been mobilized to assist in containment and cleanup operations. Always be on the side of caution when deciding if response contractors should be called. It is much better to demobilize equipment and personnel, if not needed, than to delay contacting them if they are needed.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">CONTRACTOR</th> <th style="text-align: center;">ETA</th> <th style="text-align: center;">TYPE</th> </tr> </thead> <tbody> <tr> <td>Boots & Coots</td> <td>< 2 Hours</td> <td>Emergency Response</td> </tr> <tr> <td>Garner</td> <td>2-4 Hours</td> <td>Emergency Response</td> </tr> <tr> <td>Pumpco</td> <td>< 2 Hours</td> <td>Heavy Equipment</td> </tr> </tbody> </table>	CONTRACTOR	ETA	TYPE	Boots & Coots	< 2 Hours	Emergency Response	Garner	2-4 Hours	Emergency Response	Pumpco	< 2 Hours	Heavy Equipment		
CONTRACTOR	ETA	TYPE												
Boots & Coots	< 2 Hours	Emergency Response												
Garner	2-4 Hours	Emergency Response												
Pumpco	< 2 Hours	Heavy Equipment												
<p>2. Obtain the information necessary to complete the Telephonic Leak Report and phone this information to Operations Control.</p>														
<p>3. Notify appropriate regulatory agencies or request that Operations Control initiate these notifications.</p> <p>___ National Response Center ___ TNRCC ___ DOT</p>														
<p>4. Identified potentially affected sensitive areas:</p> <p style="text-align: center;">Numerous residential areas in Galena Park, Jacinto City, Houston, and Harris County</p>														
<p>5. If safe to do so, request assistance to have potential ignition sources in the vicinity of the spill, including motors, electrical pumps, electrical power, etc., shut down.</p>														
<p>6. Coordinate with the fire department or Boots & Coots if the use of fire suppressants is required. Coordinate with the Houston Haz Mat Unit.</p>														

**HARRIS COUNTY
MP 0 TO MP 48.1
INITIAL RESPONSE ACTIONS (Continued)**

Response Action	Person Taking Action (Initials)	Date/Time Action Taken
1. If safe to do so, direct Longhorn responders to shut down and control the source of the spill. Be aware of potential hazards associated with product and ensure that lower explosive limits (LELs) are within safe levels before sending personnel into the spill area.		
2. If safe to do so, direct Longhorn responders to stabilize and contain the situation in coordination Agencies. This may include berming, the deployment of containment and/or sorbent boom, construction of dams, or trenching in a manner that limits the spread of the oil. In some residential and commercial areas the storm water may be channelized into storm channels or it may flow into storm sewers. The surface channels may be utilized as collection points. (See Drainage Maps) Caution: Some of the drainage and retention ponds are in residential areas. Caution: Evacuations and the potential for ignition should be considered in populated areas.		
3. The pipeline is primarily in an urban area. Releases have the potential to affect schools, day care centers and populated areas. The area maps and aerial photos show the potentially affected areas. Additionally, the pipeline crosses the numerous bayous. Access points and possible response strategies are identified in the Tactical Plans. Additional access points may be utilized during an actual response.		
AREA MANAGER/QI		
4. Activate all or a portion of Additional Resources, as necessary. For a major release additional resource may be activated from Houston or Tulsa.		
5. If surface water groundwater or endangered species are impacted, additional notifications should be made. These may include: US Fish and Wildlife Texas Parks and Wildlife Department Texas GLO for coast waters		
6. Initiate documentation procedures. Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and area impacted.		


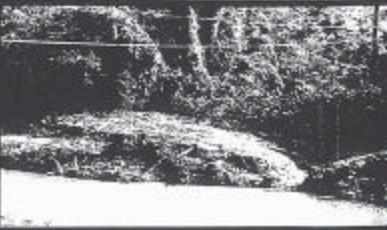

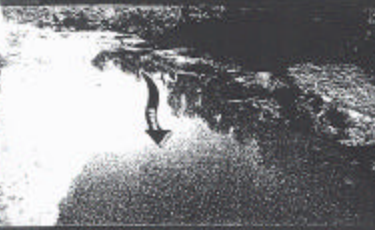
**HARRIS COUNTY
MP 0 TO MP 48.1
INITIAL RESPONSE ACTIONS (Continued)**


Response Action	Person Taking Action (Initials)	Date/Time Action Taken
1. Initiate Spill Tracking and Surveillance Operations. Determine extent of pollution via surveillance aircraft. For subsurface impacts cave monitoring or water well monitoring may be utilized. Utilize a photographer/videographer if safe.		
2. Threatened, Endangered, and Candidate Species which may be affected by a release: <p style="margin-left: 40px;">Bald Eagle – Large bird, preys on waterfowl, turtles and fish. May be affected by releases to water</p> <p style="margin-left: 40px;">Texas Prairie Dawn – Small yellow flowers-saline depressions in fine sandy soils in open grasslands or disturbed areas – Waller County</p>		

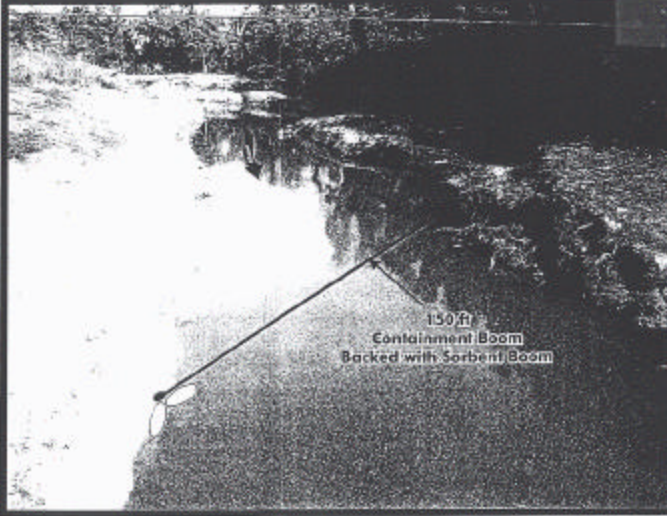


Market Street / Site #1

Hunting Bayou





150 ft
Containment Boom
Backed with Sorbent Boom

RESPONSE STRATEGY

Latitude/Longitude: N 29° 44' 20" / W 95° 12' 43"

Location: Harris County

Distance from Spill Source: 0.9 miles

Response Objective: Contain and Recover

Response Tactic-Normal / Flood Conditions:
Deploy 150 ft. of containment boom across Hunting Bayou using shore line anchoring technique to divert product to the right descending bank for containment and recovery operations. Boom segment should be backed with sorbent boom as shown in the response strategy drawing. Use vac truck and skimmer to recover product.

Watercourse Description: Hunting Bayou, 21 yds wide with mud bottom, current 0-2 mph.

Description of Worksite: Industrial area, multi-lane paved road access, moderate traffic.

Critical Response Information: Air monitoring and PPE per Site Safety Plan. (Consider the use of foam blankets on contained product to reduce the possible generation of explosive vapors.)

LEGEND

Origin ● Destination ●

DRIVING DIRECTIONS

From I 10 exit 776 B:
Turn South on Holland Street for 0.4 miles to Market Street
Turn East on Market Street for 1.0 miles to the Worksite.

EQUIPMENT REQUIRED		EQUIPMENT REQUIRED	
QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION
1	Vac. Truck(s)	2	Portable radio(s)
1	Trac-hoe(s)	1	Light tower(s)
100 ft	Sorbent Boom	2	Port-o-let(s)
1	Frac tank(s)		
1	Skimmer (weir or suction)		
4	Sledge hammer(s)		
16	Steel stake(s)		
200 ft	3/8" Polypropylene Line	PERSONNEL REQUIRED	
1 case	55 gallon drum liners	NUMBER	DESCRIPTION
6 bales	Sorbent pad(s)	1	Supervisor(s)
1 roll	Poly sheeting	1	Vac. Truck Operator(s)
1	Cell phone(s)	1	Equipment Operator(s)
200 ft	Containment Boom	4	Laborer(s)

Market Street

TDD Developed By: December 1999

Example Tactical Response Plan for the Facility Response Plan