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**WELCOME TO OILTANKING**

Oiltanking is one of the world’s leading independent storage partners for oils, chemicals, gases and dry bulk. Oiltanking owns and operates 73 terminals in 22 countries with a total storage capacity of 19 million cubic meters. Whether we are providing exceptional storage services, creating profitable outsourcing projects, or engineering successful joint ventures, you will find us wherever there’s a need for creative logistical solutions.

You can read about our terminals and locate them with the help of the world map - or read about the company’s history in our Oiltanking timeline. Also, check out our toolbox with converters and time zones.

**EMERGENCY RESPONSE CAPABILITIES**

**COMMITMENT**

Oiltanking is committed to the protection of the public and the environment through the safe operation and maintenance of its pipeline systems. Oiltanking’s qualified personnel are trained in emergency response activities and regularly participate in drills and exercises reflecting various types of response levels, emergency scenarios, topographic terrain and environmental sensitivities.

Oiltanking has committed the necessary resources to fully prepare and implement its emergency response plans and has obtained through contract the necessary private personnel and equipment to respond, to the maximum extent practicable, to a “worst case” discharge or substantial threat of such a discharge.

**COMMUNICATIONS**

Oiltanking utilizes its 24-hour Pipeline Control Center (281-457-7979) as a hub of communications in emergency response situations. The Control Center has a vast catalog of resources and capabilities. On-site communications are conducted using cellular telephones portable Motorola Radios and/or land-line telephone systems from Company facilities and offices.

**INCIDENT COMMAND SYSTEM**

Oiltanking utilizes an expandable Incident Command System. Depending upon the size and complexity of an incident, additional Company or contract personnel may be added as needed. Additional federal, state or local agencies may be integrated into the Incident Command System by utilizing a Unified Command Structure.

**SPILL RESPONSE EQUIPMENT**

Oiltanking maintains emergency response trailers and equipment at strategically located facilities. Trailers contain spill boom (of various types, sizes and lengths as needed in different areas), sorbent materials, boats, motors, hand tools, power tools, pumps, hoses, personal protective equipment, first aid and miscellaneous supplies. Emergency response trailers are maintained at Oiltankings facility in Channelview, Harris county Texas.

**OIL SPILL CONTRACTORS**

Certified Oil Spill Response Organizations (OSROs) under contract by Oiltanking are Garner Environmental Services, Inc. and Enerpipe Pipeline Construction. These OSROs can be relied upon for an appropriate level of response with spill response equipment and trained personnel.

**EMERGENCY CONTACT:**  
**1-409-797-1760**

<b>PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:</b>		
Crude Oil	1267	128
Refined Products		

**TEXAS**  
**COUNTIES OF OPERATION:**

Galveston

*Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.*

For more information regarding Oiltanking, Houston emergency response plans and procedures, call Bart Bundy, Safety Coordinator, at (281) 457-7914



# Oiltanking

Pipeline-Specific Operations Manual

Texas City Pipelines  
May 2011

Figure 2: 6" ENOES Crude Benzene

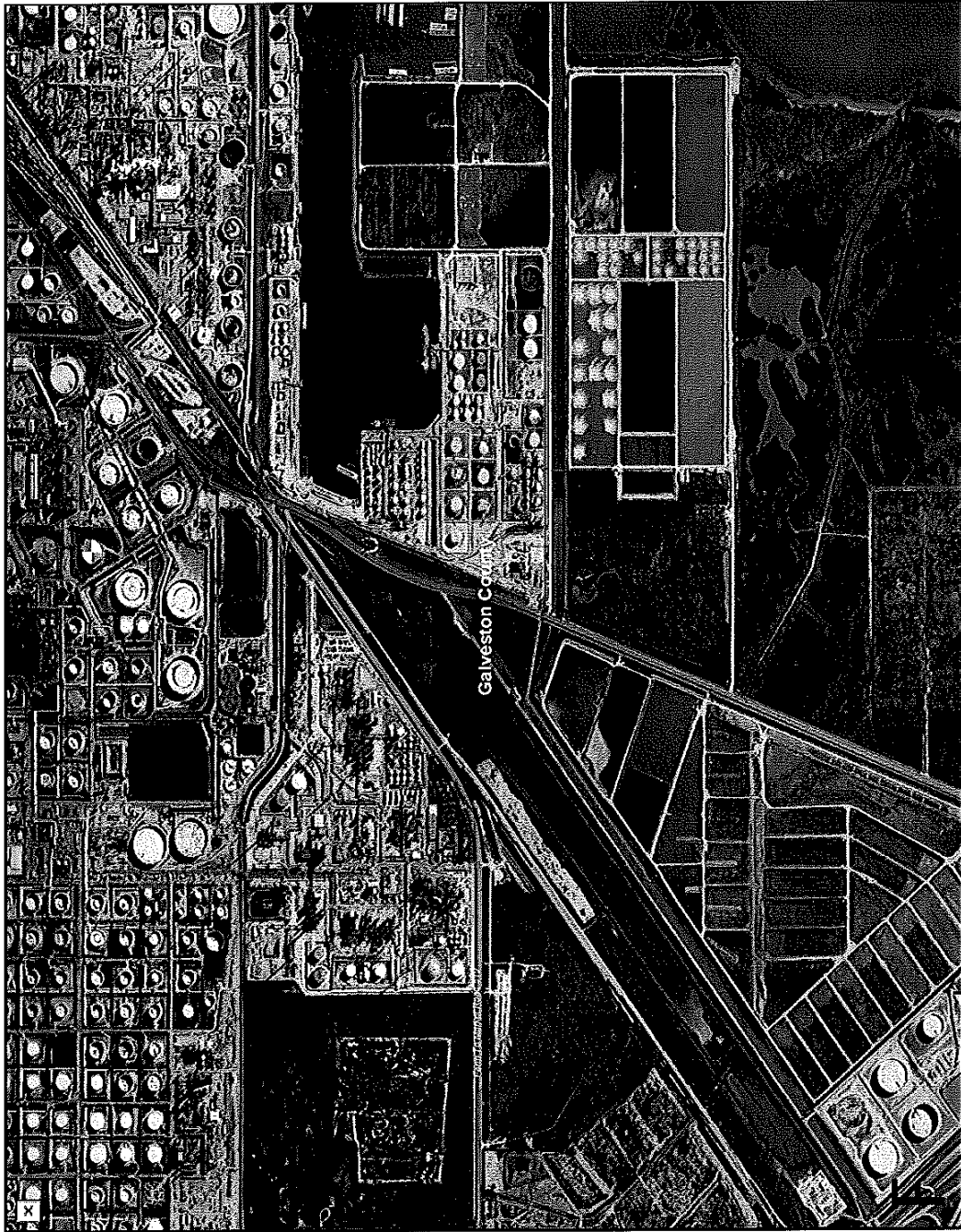
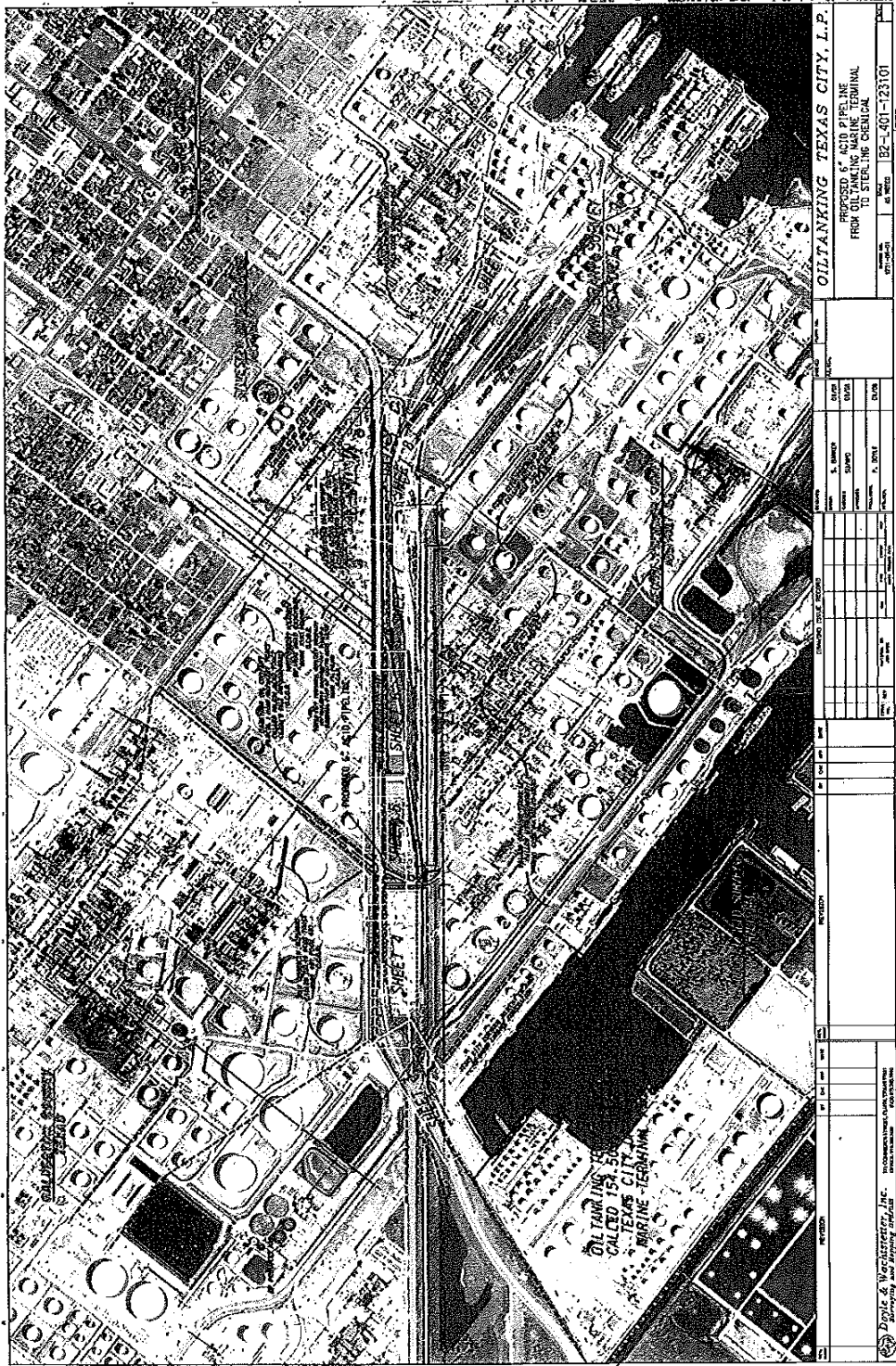




Figure 3: 6" Sterling Acetic Acid



## Section 2: Pipeline Facilities Detailed Description

Table 1: Construction

	6" ENEOS Benzene	6" ENEOS Crude Benzene	6" Sterling Acetic Acid	8" ENEOS Naphtha
Nominal OD, In.	6.625	6.625	6.625	8.625
Type of pipe	WT X-52, ERW by Maverick	WT X-52, ERW, Maverick	WT 316L Stainless Steel Marcegaglia	WT X-52, ERW by Maverick
Wall thickness, In.	0.280	0.280	0.280	0.322
Coating	FBE	FBE	None <sup>1</sup>	FBE
Yield strength (SMYS)	52,000	52,000	30,000	42,000
Seam joint factor	1.00	1.00	1.00	1.00
Design factor	0.72	0.72	0.72	0.72
Design pressure (100% SMYS)	3,165	3,165	1,826	2,258
Hydro test pressure, psig	2,160	2,160	419	2,160
Hydro test date	2006	2008	3-11-09	2006
MOP, psig	285	1,440	<del>335</del> <sup>2</sup> 230	1,440
Maximum flow rate, bbl/hr	120 GPM continuous	1,000	200 GPM continuous	1,660
Normal Operating Pressure (NOP) range, psig	15	15	40	75
Normal flow rate	120 GPM continuous	1,000	200 GPM continuous	1,050
Installed in	2006	2008	2009	2006
Regulated length, mi.	1.00	0.98	2.55	1.10
Regulated line fill, bbls	188.7	184.9	490.52	359.4
Hoop stress, MOP	6.48%	32.76%	9.07%	45.92%
Cathodic protection	Impressed current rectifiers	Impressed current with supplemental anodes	Impressed current with supplemental anodes	Impressed current rectifiers

<sup>1</sup> Pipe is stainless steel.<sup>2</sup> Set pressure on safety reliant valve.