



**U.S. Army Corps
of Engineers**
Galveston District

**Galveston Harbor Channel Extension
Feasibility Study
Houston-Galveston Navigation Channels, Texas**

**APPENDIX D
ACRONYMS AND
ABBREVIATIONS**

**U.S. Army Corps of Engineers
Southwestern Division
Galveston District
2016**

APPENDIX D - ACRONYMS AND ABBREVIATIONS

(Used in Report and Appendices)

ANS	Aquatic Nuisance Species
AST/UST	Registered Above Ground/Underground Storage Tanks
BA	Biological Assessment
BCR	Benefit-Cost-Ratio
CBRA	Coastal Barrier Resources Act of 1982
CCA	Clean Air Act of 1972, as amended
	Comprehensive Environmental Response Compensation, and Liability
CERCLIS	Information System Database
CWA	Clean Water Act
CZMA	Coastal Zone Management Act of 1972
dba	Decibels
DNL	Day-Night Average Sound
DSHS	Texas Department of State Health Services
DWT	Deadweight Ton
EA	Environmental Assessment
EGM	Economic Guidance Manual
EIS	Environmental Impact Statement
EM	Engineer Manual
EO	Executive Order
EOP	Environmental Operating Principles
EPA	Environmental Protection Agency
ER	Engineering Regulation
ERNS	Emergency Response Notification System
ESA	Endangered Species Act of 1973, as amended
FAA	Federal Aviation Administration
FY	fiscal year
GBANS	Galveston Bay Area Navigation Study
GC	Galveston Harbor Channel
GHCE	Galveston Harbor Channel Extension
GIS	Geographic Information System
GIWW	Gulf Intracoastal Waterway
GSC	Galveston Ship Channel
HGB	Houston-Galveston-Brazoria
HGNC	Houston-Galveston Navigation Channels, Texas Project
HHS	Department of Health and Human Services
HSC	Houston Ship Channel
HTRW	Hazardous, Toxic, and Radioactive Waste

IHW NOR	Texas Industrial Hazardous Waste Notice of Registration
IOP	Innocent Owner/Operator
LERRD	Land, Easements, Rights-Of-Way, and Relocation
LRR	Limited Reevaluation Report
LUST	Leaking Underground Storage Tanks
MBTA	Migratory Bird Treaty Act
M-CACES	Micro-Computer Aided Cost Estimating System
Mii	Micro-Computer Aided Cost Estimating System, second generation
MLLW	Mean Lower Low Water
MLT	Mean Low Tide
MOA	Memorandum of Agreement
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act of 1996
NAAQS	National Ambient Air Quality Standards
NED	National Economic Development
NEPA	National Environmental Policy Act
NFRAP	No Further Remedial Action Planned
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO _x	Nitrogen Oxides
NPL	National Priority List
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NW	New Work
NWLON	National Water Level Observation Network
NTDE	National Tidal Datum Epoch
O&M	Operation and Maintenance
PA	Placement Area
PACR	Post Authorization Change Report
PCA	Project Cooperation Agreement
PCBs	Dioxin and Polychlorinated Biphenyls
PED	Preconstruction, Engineering and Design
PHA	Port of Houston Authority
POG	Board of Trustees of the Galveston Wharves (Port of Galveston) (Sponsor)
Ppt	part per thousand
	Resource Conservation and Recovery Information System – Corrective
RCRA COR	Action Sites
	Resource Conservation and Recovery Information System - Large and
RCRA GEN	Small Quantity Generators

RCRA TSD	Resource Conservation and Recovery Information System - Treatment, Storage and Disposal Facilities
RO/RO	Roll-On/Roll-Off
SEIS	Supplemental Environmental Impact Statement
SH	State Highway
SHPO	State Historical Preservation Officer
SIP	State Implementation Plans
SLR	Sea Level Rise
SS URGO	Soil Survey Geographic Database
SWG	Galveston District
SWL	State Superfund Sites; City/County Solid Waste Landfills
TCEQ	Texas Commission on Environmental Quality
TCMP	Texas Coastal Management Program
TEU	Tons Equivalent Unit
TPCS	Total Project Cost Summary
TCMP	Texas Coastal Management Program
TNRIS	Texas National Resource Information System
TPDES	Texas Pollutant Discharge Elimination System
TPWD	Texas Parks and Wildlife Department
TSS	Total Suspended Solids
TWDB	Texas Water Development Board
	State Sites (e.g., Texas Commission on Environmental Quality Voluntary
TXVOL	Cleanup Program Site Listing
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USCG	United States Coast Guard
USFWS	U.S. Fish and Wildlife Service
UTMB	University of Texas Medical Branch
VOX	Volatile Organic Compounds
WCSC	Waterborne Commerce Statistics Center
WRDA	Water Resources Development Act