

Project Navigator's Sediments and Sludges Experience

Project Navigator's team has managed projects over the past five years where enormous volumes of impacted materials have been handled in a cost-effective manner.

In all these projects, we have strived to actively manage only what is absolutely necessary to achieve protectiveness, thereby generating cost savings for our clients.



CASE STUDIES	Patrick Bayou Superfund Site <i>Deer Park, TX</i>	Newark Bay Federal Superfund Site <i>NJ/NY</i>	Malone Superfund Site <i>Texas City, TX</i>	Ascon Landfill Site <i>Huntington Beach, CA</i>	MAR Services Site Superfund Site <i>Cankton, LA</i>
DESCRIPTION	<ul style="list-style-type: none"> 3-mile long bayou at Houston Ship Channel with impacted sediments Active Industrial Setting Potential for uncontrolled upstream sources Complex regulatory setting 	<ul style="list-style-type: none"> Newark Bay is ~ 6 miles long and 1 mile wide with impacted sediments 	<ul style="list-style-type: none"> 150-acre former petroleum waste facility Numerous above ground storage tanks Underground injection wells Entire waste management facility is surrounded by a flood-protection levee 	<ul style="list-style-type: none"> 40-acre site 1 MM cu.yd. of waste 300,000 cu.yd. of oily sludges in lagoons Odors, VOC emissions Active community 	<ul style="list-style-type: none"> 80-acre site 3 major TPH-impacted sediment lagoons 300,000 cu.yd. of waste to be managed
PROJECT METRICS	<ul style="list-style-type: none"> The volume of pollutants is being determined during the RI/FS 	<ul style="list-style-type: none"> ~3.3 MM cu. yd. of impacted material will need to be addressed 	<ul style="list-style-type: none"> Stabilization and treatment of ~.5MM yds of sediments 4-yr project FS Cost est. 55mm 	<ul style="list-style-type: none"> \$100 MM source removal 3.5-yr project 	<ul style="list-style-type: none"> \$5 MM design/build 1.5-year construction schedule
OUR ROLE	<ul style="list-style-type: none"> PRP Group Coordinator AOC/SOW negotiations for the RI/FS Group Fund Management Manage all aspects of RI/FS 	<ul style="list-style-type: none"> PRP Group Coordinator Data Analysis and Project Strategy Formation Group Fund Management 	<ul style="list-style-type: none"> PRP Group Coordinator Managing all aspects of RI/FS, RD/RA and NRD Contract negotiations EPA negotiations Group Fund Management 	<ul style="list-style-type: none"> PRP project manager since PRP involvement in 2001 Performed implementability assessment Conceptual design 	<ul style="list-style-type: none"> Bidding Contractor selection Design/construction oversight Scope negotiations QA/QC
LESSONS LEARNED	<ul style="list-style-type: none"> Utilizing an innovative risk-transfer approach to evaluate risk management options Adaptive Management Strategy 	<ul style="list-style-type: none"> Identify and manage risk 	<ul style="list-style-type: none"> Identify and manage risk Rigorous cost and schedule controls Communicate Motivate/lead under contract conditions 	<ul style="list-style-type: none"> Negotiate a flexible performance-based scope of work 	<ul style="list-style-type: none"> Volume scope creep Change order management