

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PETROLEUM STORAGE TANK PROGRAM
CAP WORKSHEETS**

Date Prepared:

GROUNDWATER PUMP AND TREAT (GWP&T)			
Facility Name:	LPST ID No.:		
Facility Address/City:	CAPM:		
Facility County:	RCAS:		
Facility ID No.:	P.E.:		
TCEQ Region:	Prepared By:		
Please refer to the appropriate section in the EPA CAP Manual for definitions, equations and tables to assist you when completing these worksheets. When supplying the information requested below, please make certain that any calculations and methodology used to arrive at the value or conclusion you have entered is included in the CAP. This document must not be altered in any manner.			
GROUNDWATER CHARACTERISTICS			
Hydraulic conductivity (K) < 10 ⁻¹¹ cm/sec?		YES	NO
If the answer to the question above is no , GWP&T is not likely to be effective and needs further evaluation.			
CONSTITUENT CHARACTERISTICS			
Non-aqueous phase liquid (NAPL) present?		YES	NO
Is the NAPL type gasoline?		YES	NO
If not gasoline, NAPL type released:	Diesel	Other:	
If the answer is something other than gasoline, go to the next section entitled, "Feasibility Test".			
NAPL recovery conducted by Mobile Dual-Phase Extraction (MDPE)*? <small>*MDPE is not an appropriate technology to recover Diesel.</small>		YES	NO
Is the vapor recovery rate > 0.1 lbs/hr?		YES	NO
If yes , using groundwater pump and treat alone is not likely to be effective and needs further evaluation.			
FEASIBILITY TEST			
Feasibility test duration (hrs):			
Test well construction			
Diameter:	Total Depth:	Screen Interval:	Depth to Water:
Observation well construction			
Diameter:	Total Depth:	Screen Interval:	Depth to Water:
Additional information:			
Observed radius of influence (ft):		Average groundwater pumping rate (gpm):	
Observed maximum drawdown in the test well during pumping:			

FEASIBILITY TEST (cont.)

Groundwater concentrations* (mg/L)

*Use this format for data entry: XXX mg/L (MW-1), XXX mg/L (MW-2), XXX mg/L (MW-3), etc.

Benzene:

Ethylbenzene:

Toluene:

Xylenes:

TPH:

MTBE:

Groundwater Recovery Rate (lbs/hr):

REMEDIATION SYSTEM DESIGN

Target concentrations:

Pumping well construction

Diameter:	Total Depth:	Screen Interval:	Depth to Water:
Designed drawdown in pumping well (ft):		Designed radius of influence (ft):	
Area of the plume above the target concentrations (ft ²):		Number of pumping wells:	
Designed pumping rate (gpm):		Total designed pumping rate (gpm):	
Estimated hydrocarbon mass at startup (lbs):		Total recovery rate at startup (lbs/hr):	
Estimated cleanup time (years):		Estimated total recovery rate in final year (lbs/hr):	
Estimated final hydrocarbon mass remaining (lbs):			
Groundwater treatment method:	Air Stripper	Carbon Absorption System (CAS)	
Groundwater treatment unit capacity:			
Remediation system component utility requirement:			
Electricity voltage (volts):	Ampere:		
Utility supplied at the site:			
Electricity voltage (volts):	Ampere:		
Is a telemetry unit included?	YES	NO	
Permit requirements:			

OPERATION, MONITORING AND PERFORMANCE (OMP) PLAN

Does OMP Plan include daily monitoring for the start-up phase (up to 7 days)?		YES	NO
What is the scheduled frequency of long term monitoring?	Weekly	Monthly	Other:
Which of the following will be included in the OMP Plan?			
BTEX	TPH	Other:	

CLOSURE PLAN

Does the closure plan include the following?			
Confirmation of target concentrations	Submission of site closure request	Removal of equipment	
Plugging of wells	Waste disposal	Paving/resurfacing	
Deed Recordation	Institutional Controls		