

Corrective Action Plan Preparation Example Release Event for a Gas Station: Part 2

Activity: Using information from Part 1 and the example sheet provided for mobile LNAPL, complete Steps 3 (Other technology evaluation factors) and 4 (Critical data needs) for:

- Dissolved and Adsorbed Hydrocarbons.
- Residual Hydrocarbons

using the sheets provided to you.

On Step 3, highlight or otherwise mark the technology you have chosen to implement. On the corresponding Step 4 sheet, list the critical data you need to collect (and why) for proper implementation.

Later today, you will submit the two completed sheets to cdle_remediation@state.co.us.

Exercise Part 2 Information Provided

- Completed Mobile LNAPL Step 3 (Step 4 was discussed, information may be found in the OPS Guidance)
- Two blank sheets to complete Steps 3 and 4 for:
 - dissolved and adsorbed hydrocarbons
 - residual LNAPL



Step 3 – Other factors

(Example:mobile LNAPL)

	EXCAVATION	MPE	THERMAL DESORPTION	SESR	EFR	SKIMMING
COST	HIGH	HIGH	HIGH	MODERATE	LOW TO MODERATE	MODERATE TO HIGH
TIMEFRAME	SHORT	LONG TO INSTALL	SHORT	MODERATE	SHORT (EMERGENCY USE)	SHORT
TECHNICAL FEASIBILITY	BOULDERS AND DEPTH	EXCESS WATER	NOT MUCH SORBED	NOT MUCH SORBED	GOOD IF LIMIT GW RECOVERY	INADEQUATE LNAPL PRESENT

Feasibility factors might include: access, waste handling, regulations & permits, safety, carbon footprint



Step 3 – Other factors (Dissolved & Adsorbed)

	AS/SVE	AS (O2)	MPE	ISCO	THERMAL DESORPTION	AC	BIOSPARGE / BIOVENT	MNA
COST								
TIMEFRAME								
TECHNICAL FEASIBILITY								

***Feasibility factors might include: access, waste handling,
regulations & permits, safety, carbon footprint***



Step 4 - Critical Data Needs (and why needed)

Need	Why



Step 3 – Other factors (Residual LNAPL)

	EXCAVATION	AS/SVE	THERMAL DESORPTION	SESR	ISCO	NSZD
COST						
TIMEFRAME						
TECHNICAL FEASIBILITY						

Feasibility factors might include: access, waste handling, regulations & permits, safety, carbon footprint



Step 4 - Critical Data Needs (and why needed)

Need	Why