

Sensitive, Confidential, or Privileged Information

Testing and Monitoring Cost					
	Ground Water Sampling	Ground Water Report Generation	Deep Well Sampling Oversight & Report	Deep Well Sample Collection	Wire Line Logs
Professional Fees					
KEI Equipment & Expenses					
Laboratory Fees					
Waste Disposal					
Workover Rig Mobilization					
Cost Per Event	\$ 9,711	\$ 3,805	\$ 16,732	\$ 40,000	\$ 130,000

Annual Testing & Monitoring Cost	Number Events/Yr	Cost/Year
Ground Water Sample 1 Event		
Deep Well Sample 1 Event		
Wire Ling Logs		
Total Cost/Yr		
Cost for PISC period		\$ 855,056
Periodic Testing	Number Events/PISC	Cost
Seismic Evaluation 4 sq mile area		
Plume Area Seismic Cost		
Total PISC T&M Costs		\$ 1,813,928

Injection Well Plugging			Well Site Remediation	
Plug #	Item	Cost per well	Item	Cost per Pad
1-3	Schlumberger CO2 Resistant Concrete (includes pumping) (2 Days)		Removal of pad material, replacement with topsoil and final grading	
4-9	Class H Cement Plug (includes pumping) (1 day)			
	Workover rig mob			
	Rig time 7 days/3,500 per day			
	BOP			
	Work String			
	Power Tongs			
	De Mob rig			
	Total Cost	\$ 441,937		
	Total Cost (2 injection)	\$ 883,874		

Total Financial Responsibility Costs	
Injection Well Plugging	\$ 883,874
PISC and Site Closure	
Monitor Well Plugging	\$ 1,051,728
Site Remediation	\$ 777,000
PISC Testing & Monitoring	\$ 1,813,928
Total Cost	\$ 3,642,656
Emergency and Remedial Response	\$ 9,378,796
Total Cost	\$ 13,905,326

Confinement Monitoring Well Plugging	
Item	Cost <small>Sensitive, Confidential, or Privileged Information</small>
Class H Cement Plug (includes pumping) (1 day)	
Workover rig mob	
Rig time 5 days/3,500 per day	
BOP	
Work String	
Power Tongs	
De Mob rig	
Total Cost	\$ 83,927
Total Cost (2 Wells)	\$ 167,854

Formation Monitoring Well Plugging		
Plug #	Item	Cost per well <small>Sensitive, Confidential, or Privileged Information</small>
1-3	Schlumberger CO2 Resistant Concrete (includes pumping) (2 Days)	
4-9	Class H Cement Plug (includes pumping) (1 day)	
	Workover rig mob	
	Rig time 7 days/3,500 per day	
	BOP	
	Work String	
	Power Tongs	
	De Mob rig	
	Total Cost	\$ 441,937
	Total Cost (2 Wells)	\$ 883,874

USDW Remediation Cost Estimate		
Item	Cost	Note
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Planning and Permitting		
Leak Investigation / Hydrogeological Study		
Well Installation & Modifications		
Extraction Pumps - 10 GPM/well, 2400 Ft, 40 GPM total		
Injection Water Source		
Extraction Fluid Treatment (40 GPM, Adsorption - 2 yrs		
Site Improvement - Office / Treatment Buildings		
Excavation Wor - Remediation System Install		
Operations, Maintenance, Monitoring of Remed. System		
System Decommissioning - Site Restoration		
Total	\$ 7,815,663	
20% Contingency	\$ 9,378,796	