

**APPENDIX P**  
**COST ESTIMATES AND SUPPORTING DOCUMENTATION**  
**FOR MOST FEASIBLE PLAN**

## Capital Cost: MFP - August J. Levert, Jr., Family, LLC, et al. Property

I. Oilfield Restoration Activities: Three (3) historical pits in LAAs 2 and 3					
TIME FRAME: One (1) Month - Approximately Twenty (20) 10-hour work days					
Pre-Implementation Planning and Logistics					
Item	Description	Unit Cost	Quantity	Cost	Source
Senior Environmental Scientist	Preparation of USACOE Permit, Scope of Work Planning, Coordination and Scheduling subcontractors	\$160.00	40	\$6,400.00	HET Hourly Rates
Principle Hydrogeologist	Preparation of USACOE Permit, Scope of Work Planning, Coordination and Scheduling subcontractors	\$175.00	40	\$7,000.00	HET Hourly Rates
HSSE Director	Preparation of USACOE Permit, Scope of Work Planning, Coordination and Scheduling subcontractors	\$150.00	40	\$6,000.00	HET Hourly Rates
Environmental Scientist	Preparation of USACOE Permit, Scope of Work Planning, Coordination and Scheduling subcontractors	\$90.00	40	\$3,600.00	HET Hourly Rates
Wetland Mitigation Bank	Mitigation banking costs @ \$20,000 per acre	\$20,000.00	1	\$20,000.00	Professional Judgement and Actual Costs
<b>Subtotal:</b>				\$43,000.00	
Remedial Activities Onsite Kickoff Meetings and Initial Site Setup - One (1) 12-hour day, first day of operation					
Item	Description	Unit Cost	Quantity	Cost	Source
Principal Hydrogeologist	Begin Remedial Activities, Initial Oversight, Observe Site Progress	\$175.00	12	\$2,100.00	HET Hourly Rates
Senior Environmental Scientist	Begin Remedial Activities, Initial Oversight, Observe Site Progress	\$160.00	12	\$1,920.00	HET Hourly Rates
Environmental Scientist	Begin Remedial Activities, Initial Oversight, Observe Site Progress	\$90.00	12	\$1,080.00	HET Hourly Rates
HSSE Director	Safety Oversight, Control of Work	\$150.00	12	\$1,800.00	HET Hourly Rates
Mileage - 1/2 ton Truck	130 miles per trip for one (1) trips	\$1.00	130	\$130.00	Professional Judgement and Actual Costs
Mileage - 1/2 ton Truck	130 miles per trip for one (1) trips	\$1.00	130	\$130.00	Professional Judgement and Actual Costs
Hotels	\$170 per night, per person	\$680.00	1	\$680.00	Professional Judgement and Actual Costs
Per Diem for four (4) persons	\$75 per person, per day	\$300.00	1	\$300.00	Professional Judgement and Actual Costs
Boat Rental	HET Crew Boat @ \$1,500 per day	\$1,500.00	1	\$1,500.00	Professional Judgement and Actual Costs
Boat Rental	G-3 Boat @ \$1,000 per day	\$1,000.00	1	\$1,000.00	Professional Judgement and Actual Costs
Drone Rental, Pre Remediation Photographs	\$125 per hour for one (1), eight (8) hour day	\$125.00	8	\$1,000.00	Professional Judgement and Actual Costs
EMC Third Party Line Locate	Subsurface survey @ \$2,500 per day	\$2,500.00	1	\$2,500.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted labor (EMC)	Standard Subcontracted labor markup (5%)	\$125.00	1	\$125.00	Professional Judgement and Actual Costs
Portable Restroom and Hand Wash Station	Rental @ \$250 per month	\$250.00	1	\$250.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted labor (Event Solutions)	Standard Subcontracted labor markup (5%)	\$12.50	1	\$12.50	Professional Judgement and Actual Costs
<b>Subtotal:</b>				\$14,527.50	

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Implementation of Remedial Activities/Scope of Work - Subcontractor Line Items - Twenty (20) 12-hour work days					
Item	Description	Unit Cost	Quantity	Cost	Source
Labor, Equipment, and Supplies	Heavy equipment and operators charged at day rate	\$13,000.00	20	\$260,000.00	Subcontractor Daily Rates
Boating	Barges and tug boats necessary for transportation of excavated materials charged at day rate	\$8,000.00	20	\$160,000.00	Subcontractor Daily Rates
Dock fee	Day rate	\$1,000.00	20	\$20,000.00	Professional Judgement and Actual Costs
Fly ash	Materials necessary for solidification of soft materials charged by the ton	\$130.00	100	\$13,000.00	Professional Judgement and Actual Costs
Disposal	Disposal fees for off-site landfills charged by the ton	\$55.00	722	\$39,710.00	Professional Judgement and Actual Costs
Trucking/Roll-off boxes	Transportation of excavated materials charged by the load	\$1,150.00	56	\$64,400.00	Professional Judgement and Actual Costs
Backfill	Clean fill material obtained from offsite dirt pit charged by the yard	\$17.00	657	\$11,169.00	Professional Judgement and Actual Costs
Fuel	300 gallons per day for twenty (20) days @ \$6 per gallon	\$6.00	6000	\$36,000.00	Professional Judgement and Actual Costs
<b>Subtotal:</b>				\$604,279.00	
<b>5% MARKUP - Subcontracted labor</b>				\$30,213.95	
<b>15% Contingency:</b>				\$90,641.85	
Supervision and Direction of Remedial Activities - Twenty (20) 12-hour work days					
Item	Description	Unit Cost	Quantity	Cost	Source
Hydrogeologist II or Environmental Scientists II	Conduct Remedial Oversight and Soil Sampling	\$90.00	240	\$21,600.00	HET Hourly Rates
HSSE Coordinator	Safety Oversight, Control of Work	\$135.00	240	\$32,400.00	HET Hourly Rates
Mileage , Per Diem, Hotel, etc.	\$1,000 per day	\$1,000.00	20	\$20,000.00	Professional Judgement and Actual Costs
Vegetation and Appropriate Fertilizer	Purchase of Materials	\$3,000.00	1	\$3,000.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted Materials	Standard Subcontracted labor markup (5%)	\$150.00	1	\$150.00	Professional Judgement and Actual Costs
Crew Boat Rental	HET Crew Boat @ \$1,500 each per day	\$1,500.00	20	\$30,000.00	Professional Judgement and Actual Costs
4 Gas Meter Rental	\$50 per day for twenty (20) days	\$50.00	20	\$1,000.00	Professional Judgement and Actual Costs
Generator Rental	\$100 per day for twenty (20) days	\$100.00	20	\$2,000.00	Professional Judgement and Actual Costs
Drone Rental, Post Remediation Photographs	\$125 per hour for three (3), four (4) hour uses	\$125.00	12	\$1,500.00	Professional Judgement and Actual Costs
<b>Subtotal:</b>				\$111,650.00	<b>Subtotal</b>
<b>15% Contingency:</b>				\$16,747.50	<b>15% Contingency</b>
<b>Total Capital Cost (Oilfield Restoration Activities):</b>				<b>\$911,059.80</b>	<b>Total Capital Cost</b>

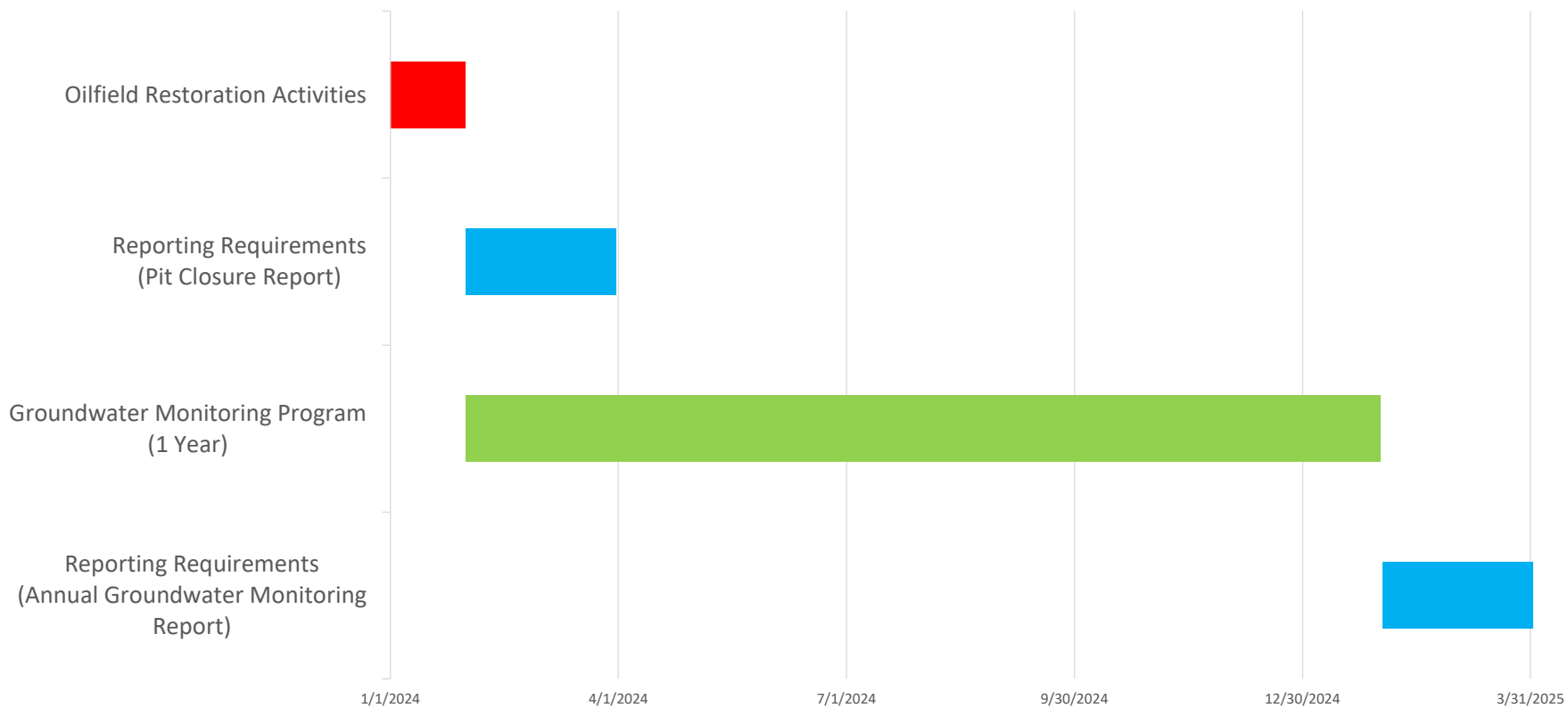
## Capital Cost: MFP - August J. Levert, Jr., Family, LLC, et al. Property

II. Groundwater Monitoring					
TIME FRAME: One (1) Year - Installation of Monitoring Wells and Quarterly sampling for one (1) year					
Mark Locations, Oversight of EMC Survey, Clear Paths, Locate Pipelines - One (1) 10-hour work day					
Item	Description	Unit Cost	Quantity	Cost	Source
Hydrogeologist II or Environmental Scientists II	Mark Locations, Oversight of EMC Survey, Clear Paths, Locate Pipelines	\$90.00	10	\$900.00	HET Hourly Rates
HSSE Coordinator	Safety Oversight, Control of Work	\$135.00	10	\$1,350.00	HET Hourly Rates
Director of Field Operations	Mark Locations, Oversight of EMC Survey, Clear Paths, Locate Pipelines	\$90.00	10	\$900.00	HET Hourly Rates
Mileage - 1/2 ton Truck	130 miles per trip for one (1) trip	\$1.00	130	\$130.00	Professional Judgement and Actual Costs
Per Diem	\$75 per person, per day	\$150.00	4	\$600.00	Professional Judgement and Actual Costs
Boat Rental	HET Crew Boat @ \$1,500 per day	\$1,500.00	1	\$1,500.00	Professional Judgement and Actual Costs
Boat Rental	G-3 Boat @ \$1,000 per day	\$1,000.00	1	\$1,000.00	Professional Judgement and Actual Costs
EMC Third Party Line Locate	Subsurface survey @ \$2,500 per day	\$2,500.00	1	\$2,500.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted labor (EMC)	Standard Subcontracted labor markup (5%)	\$125.00	1	\$125.00	Professional Judgement and Actual Costs
<b>Subtotal:</b>				<b>\$9,005.00</b>	<b>Subtotal</b>
Installation of Monitor Wells - Five (5) 10-hour work days					
Item	Description	Unit Cost	Quantity	Cost	Source
Director of Field Operations	Installation of Monitor Wells	\$90.00	50	\$4,500.00	HET Hourly Rates
Senior Hydrogeologist	Installation of Monitor Wells	\$160.00	50	\$8,000.00	HET Hourly Rates
Environmental Specialist	Installation of Monitor Wells	\$60.00	50	\$3,000.00	HET Hourly Rates
Mileage - 1/2 ton Truck	130 miles per trip for five (5) trips	\$1.00	650	\$650.00	Professional Judgement and Actual Costs
Mileage - 3/4 ton Truck	130 miles per trip for five (5) trips	\$1.50	650	\$975.00	Professional Judgement and Actual Costs
Per Diem	\$75 per person, per day	\$225.00	5	\$1,125.00	Professional Judgement and Actual Costs
Boat Rental	HET Crew Boat @ \$1,500 per day	\$1,500.00	5	\$7,500.00	Professional Judgement and Actual Costs
Boat Rental	G-3 Boats @ \$1,000 each per day	\$1,000.00	5	\$5,000.00	Professional Judgement and Actual Costs
GPS Rental	Geode GPS @ \$75 per day	\$75.00	3	\$225.00	Professional Judgement and Actual Costs
Monitor well construction materials	Screens, PVC riser, sand, bentonite, portland and well completions @ \$450 per well	\$450.00	8	\$3,600.00	Professional Judgement and Actual Costs
Marsh Master with Geoprobe	Geoprobe daily rate @ \$2,500 per day	\$3,200.00	5	\$16,000.00	Professional Judgement and Actual Costs
Mobilization and Demobilization	\$3,000 per mobe	\$6,000.00	1	\$6,000.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted labor (Marsh Master Rental)	Standard Subcontracted Equipment markup (5%)			\$1,100.00	
<b>Subtotal:</b>				<b>\$57,675.00</b>	<b>Subtotal</b>
Quarterly Monitoring of Groundwater for One (1) Year - 4 events, Four (4) ten (10) hour work days per event					
Item	Description	Unit Cost	Quantity	Cost	Source
Hydrogeologist II or Environmental Scientists II	Groundwater Sampling	\$90.00	40	\$3,600.00	HET Hourly Rates
Hydrogeologist II or Environmental Scientists II	Groundwater Sampling	\$90.00	40	\$3,600.00	HET Hourly Rates
HSSE Coordinator	Safety Oversight, Control of Work	\$135.00	40	\$5,400.00	HET Hourly Rates
Mileage - 1/2 ton Truck	130 miles per trip for four (4) trips per quarter	\$1.00	520	\$520.00	Professional Judgement and Actual Costs
Mileage - 1/2 ton Truck	130 miles per trip for four (4) trips per quarter	\$1.00	520	\$520.00	Professional Judgement and Actual Costs
Per Diem	\$75 per person, per day for three (3) persons	\$225.00	4	\$900.00	Professional Judgement and Actual Costs
Boat Rental	HET Crew Boat @ \$1500 per day	\$1,500.00	4	\$6,000.00	Professional Judgement and Actual Costs
Boat Rental	G-3 Boats @ \$1000 each per day	\$1,000.00	4	\$4,000.00	Professional Judgement and Actual Costs
Sampling Equipment and Supplies	Pump, Generator, YSI, tubing, filters, etc. @ \$1,035 per quarter	\$1,035.00	1	\$1,035.00	Professional Judgement and Actual Costs
Laboratory analyses	\$10,000 per quarter	\$10,000.00	1	\$10,000.00	Professional Judgement and Actual Costs
5% MARKUP - Subcontracted labor (Laboratory analyses)	Standard Subcontracted labor markup (5%)	\$500.00	1	\$500.00	Professional Judgement and Actual Costs
<b>Quarterly Subtotal:</b>				<b>\$36,075.00</b>	<b>Subtotal</b>
<b>Subtotal (4 Quarters):</b>				<b>\$144,300.00</b>	
<b>Total Capital Cost: Groundwater Monitoring Plan:</b>				<b>\$210,980.00</b>	<b>Total Capital Cost</b>

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III. HET Safety Management, Project Management, and Reporting Requirements					
TIME FRAME: Office Support During Field Activities and Reporting					
Oilfield Restoration Activities					
Item	Description	Unit Cost	Quantity	Cost	Source
Principal Hydrogeologist	Project Overview and Management, Report Preparation	\$175.00	32	\$5,600.00	HET Hourly Rates
Senior Environmental Scientist	Project Management, Report Preparation	\$160.00	32	\$5,120.00	HET Hourly Rates
Hydrogeologist II	Project Management, Report Preparation	\$90.00	40	\$3,600.00	HET Hourly Rates
HSSE Director	Prepare and implement Safety Plans/Forms/Manuals/etc.	\$150.00	32	\$4,800.00	HET Hourly Rates
Senior GIS Cartographer	GIS Mapping, Prepare Report Figures	\$100.00	32	\$3,200.00	HET Hourly Rates
Hydrogeologist II or Environmental Scientists II	Review Field Data, Tabulate Data, GIS Mapping, Report Preparation	\$90.00	40	\$3,600.00	HET Hourly Rates
Environmental Scientist I	Review Lab Reports, Tabulate Data, Prepare Report Tables	\$80.00	30	\$2,400.00	HET Hourly Rates
Technical Administrator	Field Document Organization and Hotel Bookings	\$55.00	16	\$880.00	HET Hourly Rates
<b>Subtotal:</b>				<b>\$29,200.00</b>	<b>Subtotal</b>
Groundwater Monitoring					
Item	Description	Unit Cost	Quantity	Cost	Source
Principal Hydrogeologist	Project Overview and Management, Report Preparation	\$175.00	24	\$4,200.00	HET Hourly Rates
Senior Environmental Scientist	Project Management, Report Preparation	\$160.00	24	\$3,840.00	HET Hourly Rates
Hydrogeologist II	Project Management, Report Preparation	\$90.00	40	\$3,600.00	HET Hourly Rates
HSSE Director	Prepare and implement Safety Plans/Forms/Manuals/etc.	\$150.00	16	\$2,400.00	HET Hourly Rates
Senior GIS Cartographer	GIS Mapping, Prepare Report Figures	\$100.00	16	\$1,600.00	HET Hourly Rates
Hydrogeologist II or Environmental Scientists II	Review Field Data, Tabulate Data, GIS Mapping, Sample Protocol	\$90.00	24	\$2,160.00	HET Hourly Rates
Environmental Scientist I	Review Lab Reports, Tabulate Data, Prepare Report Tables	\$80.00	24	\$1,920.00	HET Hourly Rates
Technical Administrator	Field Document Organization and Hotel Bookings	\$55.00	8	\$440.00	HET Hourly Rates
<b>Subtotal:</b>				<b>\$20,160.00</b>	<b>Subtotal</b>
<b>Total Capital Cost:</b>				<b>\$49,360.00</b>	<b>Total Capital Cost</b>
TOTAL CAPITAL COSTS SUMMARY					
Item	Description	Unit Cost	Quantity	Cost	Source
I. Oilfield Restoration Activities: Three (3) historical pits in LAAs 2 and 3				\$911,059.80	
II. Groundwater Monitoring				\$210,980.00	
III. HET Safety Management, Project Management, and Reporting Requirements				\$49,360.00	
<b>TOTAL ESTIMATED CAPITAL COSTS</b>				<b>\$1,171,399.80</b>	<b>Total Capital Cost</b>

**ESTIMATED TIMELINE: MOST FEASIBLE PLAN**  
**August J. Levert, Jr., Family, LLC, et al. Property**  
**Grand River Oil and Gas Fields**  
**Iberville Parish, Louisiana**



## Aaron Garcia

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**From:** Codi Moore Brown <codi@deltaland-services.com>  
**Sent:** Thursday, November 3, 2022 10:21 AM  
**To:** Aaron Garcia  
**Subject:** Mitigation Estimate for Impact in Terrebonne Basin

Hey Aaron,

Thanks again for reaching out! Per our discussion, I'm following up with an estimate for mitigation costs in the Terrebonne Basin. If your project is impacting less than 0.5-acre, I would assume you will need about 1-acre of BLH mitigation. The current market price for BLH mitigation acres in the Terrebonne Basin is \$20,000; therefore, the estimated costs of your potential project is estimated to be \$20,000.

Have a great day!

Codi



### Codi Moore Brown

Chief Marketing Officer

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