

**REMTECH EMERGENCY RESPONSE & SITE REMEDIATION RESOURCE INVENTORY**

January, 2019



OSRO Contractor Number: 382

Location: N 33 deg. 57.2064', W 84 deg. 31.3087'

Address: 200 Cobb Parkway North, Suites 202 & 208, Marietta, GA 30062

Item	Units	EDRC, gpd
<b>Personnel</b>		
Hazwopper & Incident Commander Trained Supervisors & Responders	18	
<b>Facilities</b>		
Corporate Headquarters in Marietta, Georgia	1	
Warehouse, Site Remediation, Emergency Response Equipment & Manufacturing Facility, 18,000 sf		
<b>Communications, Navigation, &amp; GPS Equipment</b>		
Cell Phones	10	
Iphones	5	
IPads	3	
Navionics Marine & Land Navigation Software with Photo & GPS Plotting	4	
Navigon Navigational Software	4	
Google Earth Navigational Software	4	
Topo Maps, US 15-minute Digital Maps with GPS Navigation & Plotting	4	
Video Conferencing/Streaming Units	4	
Portable Computers with GPS, Aircards, and Internet Access	8	
Radios, Marine	7	
<b>Booms</b>		
River Curtain Boom (6 - 18 inch), Acme, Universal Slide, 4" x 6", Height, 10", If Warehouse (750 ft river, 675 ft mini), If 16 ft ER trailer (25 ft mini); 20 ft Confined Space Trailer (25 ft mini), If	4,000	
River Curtain Boom (6 - 18 inch), Acme, Universal Slide, 2.5" x 4" x 6, Height, 7", If	1,000	
River Curtain Boom (6 - 18 inch), Acme, Universal Slide, 4" x 6", Height, 10", offsite, If	1,000	
Sorbent Boom, 6" height	1,600	
Rapid Deployment Boom/Boat 16 ft Trailer, 1,000 ft river boom, 300 ft mini boom	1	
10 Hp Mercury Outboard Motor, 55 lb trowing motor, boom tow connections, boom anchors		
Rapid Deployment Boom/Boat Skimmer Recovery 20 ft Trailer, 600 ft river boom, 300 ft mini boom, 15 Hp Mercury Outboard, 2 shallow weir skimmers, 1 deep water weir skimmer, 1 Elastic Drum skimmer, 10 KW generator, boom tow connectors, boom anchors, marine radios, electric winch	1	
<b>Beach Cleaners</b>		
Floating Washdown Pump, ACME FS150A, 7 Hp motor, nozzle, 100 ft 1.5" hose with floats	1	
Sorbent Pads, CEP, 18" x 18" oil sorbent pad bales, 100/bale	30	
Sorbent Rolls, CEP, 36" x 100 ft, oil sorbent rolls	32	
Sorbent Socks, CEP, 3" x 4 ft, oil sorbent	36	
Sorbent Pillows, CEP, 6" x 2 ft, oil sorbent	20	
<b>Dispersants/Bioremediation Agents</b>		
HC-2000 Biostimulation Agent, gal (Remtech Proprietary)	2,000	
Simple Green, gal	60	
Microblaze, gal	5	
Purple Power, gal	55	
<b>Vessels</b>		
Jon Work Boat, Tracker, 14 ft, Warehouse	1	
Jon Work Boat, Tracker, 14 ft, 15 HP Mercury Outboard, 20 ft Skimmer Recovery Trailer	1	
Jon Work Boat, Tracker, 14 ft, 10 HP Mercury Outboard, 16 ft Rapid Boom Deployment Trailer	1	
Jon Work Boat, Tracker, 18 ft, 40 HP Outboard Motor, GA 6041EX, LKS Canton	1	
Jon Work Boat, Tracker, 14 ft, GA1039RY, 15 Hp Mercury Outboard Motor, Boom Trailer	1	
Jon Work Boat, 10 ft, 16 ER Trailer	1	
<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
<b>Vessels, Continued</b>		
Pantoon Boat, 25 ft, 200 Hp Mercury Outboard, Lake Lanier		
Motor, Trowing 55 lb	2	
Motor, Trowing 30 lb	1	
Anchors	5	
Anchor/Boom Buoys	7	
Rope, 5/8"	500	
Rope, 1/2"	500	
Rope, 5/16"	1000	
Rope, 3/8"	1200	
Rope, 1/4"	3600	
Anchor Stakes	50	
Hose Floats	25	
Boom Tow Ends	8	
<b>Skimming Systems (Limited by Pumping Rate)</b>		
Vacuum Wier skimmers, ACME, 46" FSV-29T, 3" male coup, 340 gpm, rec 68 gpm, vacuum truck 200 gpm	1	57,600
Vacuum Wier skimmers, 12" weir, 4 point adj, 3" male coup, Remtech Shallow Draft, 300 gpm, 140 gpm diaphragm pump	3	120,960
Oil Mop Drum Mount, 1/3 Hp Electric, 50 ft rope, 3 gpm	1	4,320
Skimmer, Drum, Elastic TDS118, 35 gpm, 97% fuel recovery, actual recovery rate	1	70,560
12" x 3" Suction Screens, 300 gpm (2" diaphragm pump @ 140 gpm)	6	241,920
12" x 3" Suction Screens, 200 gpm (vacuum truck)	1	57,600
<b>Subtotal EDRC, gpd with 20% efficiency included</b>		<b>552,960</b>
<b>Subtotal EDRC, bpd with 20% efficiency included</b>		<b>13,166</b>
<b>Vacuum Trucks &amp; Systems</b>		
		<b>EDRC, gal</b>

Item	Units	EDRC, gpd
Guzzler Classic Vacuum Truck, 2007, 3,400 gallons, 200 gpm, 5,400 cfm @ 28" Hg, VIN 2FZSAZCV47AW81508, Equipped with Highrail	1	24,000
Guzzler Classic Vacuum Truck, 2013, 3,400 gallons, 200 gpm, 5,400 cfm @ 28" Hg, 1HTGSSHT1DJ169062, HiRail	1	24,000
Guzzler Vacuum Truck, 200 gpm, 200 gpm, 4,000 cfm @ 24" Hg, offsite storage, Env. Remedies	4	96,000
Jetvac Vacuum Explosion Proof, air-air eductor, flammable liquid/sludge/granular transfer pump, 100 gpm	1	12,000
<b>Subtotal EDRC, gpd with 20% efficiency included</b>		<b>156,000</b>
<b>Subtotal EDRC, bpd with 20% efficiency included</b>		<b>3,714</b>
<b>Product Transfer Pumps</b>		<b>EDRC, gal</b>
Diaphragm Pumps, 2" Wilden, Compressed Air, suction lift 19 ft, 120 gpm		
Wilden Brahma Solids Handling Pump, 2", Flap Diaphragm, 240 gpm	1	28,800
Wilden P8 Polypropylene, 2", Double diaphragm, Wilflex, 140 gpm	3	50,400
Wilden P8 Aluminum, 2" Double diaphragm, buna, 125 gpm	3	45,000
Wilden P8 Aluminum, 2" Double diaphragm, viton, 125 gpm	1	15,000
Wilden P8 Stainless Steel, 2" Double diaphragm, teflon, 125 gpm	1	15,000
Diaphragm Pump, 1/2", Viton, fuel pump		
Wilden P4 Aluminum, 1.5" Double diaphragm, buna, 75 gpm	4	36,000
Flap Diaphragm Pumps, gasoline powered		
CH & E, 4 Hp Honda Model 5537HR, Single Diaphragm, 55 gpm	2	13,200
Barnes, 3 Hp Briggs & Stratton, Model 3AD000-1, Single Diaphragm, 55 gpm	1	6,600
Centrifugal Pump, Self-Priming, 4" gasoline motor	1	51,960
Honda, Model 4T40, 433 gpm, 26 ft suction lift		
Centrifugal Pump, Self-Priming, 3" gasoline motor	2	76,560
Honda, Model WT30R, 319 gpm		
Centrifugal Pump, Self-Priming, 2" gasoline motor	2	22,440
Honda, 5.5 Hp, 26 ft suction lift, 187 gpm		
Centrifugal Pump, Self-Priming, 1.5" gasoline motor	1	22,200
4 Hp Honda, Suction lift 26 ft, 185 gpm		
<b>Subtotal EDRC, gpd with 20% efficiency included</b>		<b>383,160</b>
<b>Subtotal EDRC, bpd with 20% efficiency included</b>		<b>9,123</b>
<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
<b>Temporary Storage</b>		<b>TSC, Gal</b>
Pillow Tanks/Bladders, 3,000 gal, American Marine	5	15,000
1,600 gallon all-terrain tankers, Hooper Trailer	1	1,600
Portable Pools, General Foam Plastics Corporation, GV4215, 4 liners ea, 4,400 gal	2	8,800
Portable Pools, General Foam Plastics Corporation, 12 ft x 36", 4 liners ea, 2,500 gal	3	7,500
Portable Tanks, HDPE, 500 gal	3	1,500
Totes, XLPE, 250 gallon	15	1,000
Frac Tanks, Evergreen, 20,000 gal, offsite storage	7	140,000
Frac Tanks, Rain for Rent, 20,000 gal, offsite storage	6	120,000
Frac Tanks, Baker, 20,000 gal, offsite storage	4	80,000
Frac Tanks, Adler, 20,000 gal, offsite storage	2	40,000
Tankers, 3,000 gal, offsite storage	5	15,000
Vacuum Trucks, 3,000 gal, Environmental Remedies	4	12,000
Vacuum Boxes, 3,500 gal, Williams Transport	6	21,000
Supersacks, 1 cy lined bags	100	17,500
Drums, 55 gal	50	2,500
Roffoff Containers, 20 cy, West Moreland	8	24,000
Trailer, 14 ft Dump, 4.75 ton capacity, 1070 gals	1	1070
<b>Total Storage Capacity, gallons</b>		<b>508,470</b>
<b>Total Storage Capacity, barrels</b>		<b>12,106</b>
<b>Compressors</b>	<b>Units</b>	
Sullaire, 185 cfm diesel compressor, trailer mount	1	
Rotair, VRK220 AE, 24 Hp Honda gas, 75 cfm, pump trailer	1	
Speedaire, Kohler 12 Hp gas, Model 5F564A, 27.2 cfm @ 90 psi	5	
Northstar, 9 Hp Honda gas, 18 cfm	1	
Compressor, 100 cfm, diesel, rental	2	
Compressor, 375, cfm, diesel, rental	2	
Speedaire, 5.5 Hp Honda Gas, 12 cfm	3	
Ingersoll Rand, 7.5 Hp Electric, Model 2475, 240 volts, 3 phase, 60 Hz, 24 cfm	1	
Ingersoll Rand, 7.5 Hp Spare Dual Compressor Head, 24 cfm	1	
<b>Generators</b>		
15 KW Generac Guardian Ultra Source, 30 Hp gas motor, 22,500 surge watts, 120/240 volts	1	
10 KW Generac, 19 Hp Honda gas motor, 120/240 volts	1	
8 KW North Star, 13 Hp Honda gas motor, 120/240 volts	1	
6.5 KW Generac, 13 Hp gas motor, 120/240 volts	1	
5 KW Generac, 10 Hp gas motor, 120/240 volts	1	
5 KW Dayton, 9 Hp gas motor, 120/240 volts	1	
<b>Hose</b>	<b>Units</b>	
Hose GP-96 PVC, 6" vacuum Hose, ft	240	
Hose, ABS 180, 6" vacuum Hose, ft	200	
Hose, 4" rubber, vacuum Hose, lf	300	
Hose, rubber & HDPE, 3" suction, lf	500	
Hose, high temperature chemical transfer hose, 3" suction, lf	40	
Hose, rubber & HDPE, 2" suction, lf	700	
Hose, rubber & HDPE, 1.5" suction, lf	1000	
Hose, air, rubber, 0.75 inch, lf	400	
Hose, air, rubber, 1 inch, lf	100	
Hose, air, rubber & PVC, 0.125 to 0.5 inch, lf	500	
Hose, Collapsible Fire with rubber liner, 3", lf	400	

Item	Units	EDRC, gpd
Hose, PVC Collapsible, 3", If	450	
Hose, Collapsible Fire with rubber liner, 1.5" , If	450	
Hose, PVC Collapsible, 1.5", If	100	
Hose, Aluminum Vacuum Soft Excavation/Potholing Tubing, If	16	
Item	Units	EDRC, gpd
Sorbent		
Polypropylene		
Rolls, 36" x 100 ft	32	
Sweeps, 24" x 100 ft	10	
Pads, 18" x 18" x 100/bale	41	
Boom, 6" x 10 ft, If	1600	
Oil Dry, 40 lb bags	100	
Straw, bales	10	
Oil Water Separators		
Remtech OWS 20, 20 gpm	4	
Remtech OWS 40 (1,600 gal poly tanker), 40 gpm	2	
Safety & PPE Equipment		
Extinguishers & Vapor Suppressants		
Purple K Dry Chemical Extinguishers	6	
Ladders		
Extension Ladders	3	
Ladder, Rope, 17 ft	1	
Ladder, Safety, 12 ft	1	
Ladder, Safety, 26 ft	1	
Ladder, Safety, 13 ft	1	
Ladders, Step	5	
Lighting, Emergency		
Emergency Vehicle Lights & Sirens	4	
Explosion Proof Lights	2	
Flashlights	15	
Flood Lights	10	
Quartz Tripod Lights	6	
Marine		
Air Horns	5	
Anchors	6	
Buoys	10	
Life Lines	10	
Life Vests	15	
Marine Emergency Lighting	4	
PPE		
Boots, Hip Boots	10	
Boots, Waders	10	
Bullard Breathing Air Pump	1	
Confined Space Entry Tripod and Retractor Cable	1	
Confined Space Retractor Cables	2	
Fire Proximity Suits	4	
Flame Resistant Jump Suits	15	
Full Face Respirators, MSA	10	
Level A Chemical Protective Suits	8	
Level B Chemical Protective Suits	20	
Level C Chemical Protective Suits	200	
MSA Air Packs	8	
Nose Respirators	15	
Powered Air Respirators, Scott	6	
Spare Bottles	6	
Umbilical Cord Air Cascade Systems	4	
Safety Equipment		
Barricades/Flashers	8	
First Aid Kits	5	
Personal Decontamination Stations	2	
Safety Harnesses, Rope & Lanyards	5	
Traffic Cones	30	
Item	Units	EDRC, gpd
Ventilators		
Air Cleaner, 2,000 cfm HEPA/Chemical Filter	1	
Blower, Manhole Ventilators (1, 2, and 5 HP)	1	
Blower, Smoke Testing (for Sewers)	1	
Winches		
9,600 lb electric winch with 100 ft cable	3	
4,000 lb electric winch with 40 ft cable	1	
2,700 lb electric winch with 40 ft cable	1	
1,700 lb electric winch with 40 ft cable	1	
Ammonia Gas Detector, Toxic RAE II	1	
Closed Circuit TV, sewer inspections, Pine	1	
Conductivity & Temperature Meter, YSI 33	1	
Dissolved Oxygen Meters, YSI 55	2	
Drexil Hydrocarbon Soil, PCB (liquid & Soil) Test Kits	4	
Free Product Interface Probe	1	
Geiger Counter, Ludlum Model 3 Survey	1	
Ground Penetrating Radar, Pine	1	
Infrared Thermal Detector	2	

Item	Units	EDRC, gpd
Lomex Mercury Detector, Pine	1	
Moisture Detector	1	
MSA Haz Mat Detection Kit	2	
Multi-Gas Meter, O2, CO, LEL, H2S (QRAEII pump, MSA Altair 5X)	2	
Personnel Monitors & Calibration Kit	2	
pH Meter, WTW 315i	2	
Photo Documentation		
Time Dated Cameras	8	
Cam Recorders	3	
Photoionization Detector, MultiRAE with ammonia and chlorine detector	1	
Portable GC	2	
Portable Hach Kits	4	
Redi-flow Pump	1	
Samplair Sampler	3	
Slope Indicators	2	
Survey Instrumentation	2	
Utility Location Instrumentation, Fisher TW-6	2	
Utility Locator, Fisher TW-82	1	
<b>Portable Treatment Equipment</b>		
Bag Filter	1	
Carbon Filtration - Gas Phase	2	
Carbon Filtration - Liquid Phase	2	
Chemical Feed Pumps & pH Controllers	5	
Clarifiers	4	
Groundwater Treatment		
Air Sparge Equipment	2	
Free Product Recovery Pumps	4	
Recovery Well Pumps	10	
Multi-Phase Deep Vacuum Unit (26" Hg)	1	
Mobile Treatment Plants, Oil/Water Separator, Stripper, Carbon Filtration	3	
Neutralization Flash Mixers	2	
Portable Chemical Fixation Equipment	1	
Sand Filters	2	
Soil Treatment		
BioVent Systems	2	
Soil Vent Demister/Filters & Blowers	4	
Regenerative Blower, 1 Hp	1	
Regenerative Blower, 2.3 Hp	1	
Regenerative Blower, 4.5 Hp	1	
<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
<b>Portable Treatment Equipment, Continued</b>		
Blower, Manhole, Explosion Proof		
Soil & Groundwater Treatment		
Total Fluids & Vapor Extraction - Liquid Ring Extractors	1	
Stripper, 20 gpm, 20 ft x 14 Tripak Media	2	
Stripper, Diffused Tray Air, 70 gpm Low-Profile	1	
<b>Cleanup Equipment &amp; Supplies</b>		
Drums & Totes		
Overpaks poly		
20-Gallon	60	
85-Gallon Steel	9	
95-Gallon Poly	16	
HDPE 55-gallon open top and closed head	55	
55-gallon steel open top and closed head	14	
250-gallon Emergency Containment Totes	4	
500-gallon Poly Portable Tanks	3	
Leak Repair Kits		
Drum Repair Kits	1	
Gasket Repair Kit	1	
Oversize Rail Car Wrenches	2	
Pipe/Transfer Line Leak Repair Kit	1	
Pressurized Tank Car Repair Kit	1	
Tank Car Repair Kits, Midland, Chlorine Institute A, B, & C	1	
Tanker Repair Kits	1	
Tote Repair Kits	1	
Plastic & Membranes		
4/6-mil oversize poly bags	300	
4/6-mil sheet plastic	12,000 sf	
16-mil PVC membrane	3,600 sf	
Geotechnical Fabric - Soil Stabilization	1,000 sf	
Bags (Supersacks) - Hazardous Waste 1 cubic yard	200	
Plugs, Inflatable, Sewer, 30 to 36"	2	
Plugs, Inflatable, Various Sizes	10	
Sand Bags	1,000	
Spill Kits, Remtech 20 and 55-gallon	5	
Straw Bales & Stakes	50	
<b>Trailers</b>		
16 Ft Emergency Response Trailer	1	
20 Ft Emergency Response Trailer	1	
20 Ft Emergency Product Transfer Trailer	1	
20 Ft Rapid Deployment Recovery Trailer		
16 Ft Open Equipment Trailer	2	
16 Ft Enclosed Straw/Stake Trailer	1	
16 Ft Rapid Deployment Boom & Boat Trailer	1	

Item	Units	EDRC, gpd
20 Ft Vacuum Hose Hauling Trailer	1	
22 Ft Equipment Hauling Trailer, 3 axle, 22000 lbs	1	
20 Ft Total Fluids Extraction Trailer with Oil Water Separator, Carbon, and Multi-Media Filters, 20 gpm	1	
Tank Car & Tanker Pneumatic & Hydraulic Off-Loading Connections	25	
Vacuum Cleaners		
HEPA - Wet/Dry Vacs	4	
HEPA - Wet/Dry Drum Vacs	2	
Mercury Vacuums	1	
Chemicals (Neutralization & Reaction)		
Activated Carbon		
Granular	1500 lbs	
Powdered	2100 lbs	
<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
Chemicals (Neutralization & Reaction), continued		
Anthracite	1000 lbs	
Bentonite powder	200 lbs	
Bentonite, chips	100 lbs	
Calcium & Sodium Hypochlorite	100 lbs	
Calcium Chloride	800 lbs	
Caustic Soda	200 lbs	
HC-2000 (Bioremediation Accelerator)	2000 gal	
HGX Mercury Decontamination Agent	20 lbs	
Hydrogen Peroxide, 30%	50 gal	
Hydrochloric Acid	55 gal	
Portland Cement & Cement Kiln Dust	500 lbs	
Sand	400 lbs	
Soda Ash	1,500 lbs	
Sodium Bisulfite	300 lbs	
Sulfuric Acid	100 gal	
Surfactant, Simple Green	60 gal	
Steam & Pressure Washers		
Pressure Washer, Northstar, 3000 psi, 4 gpm, 4.5 tip	1	
Pressure Washer, Northstar, 3200 psi, 3.5 gpm	1	
Pressure Washer, Northstar, 3500 psi, 7 gpm	1	
Pressure Washer, Northstar, 3000 psi, 5 gpm	2	
Steam Cleaner, Northern, 2,000 psi, 2.7 gpm	1	
Steam Cleaner, Northern, 3,000 psi, 4 gpm, 3.5 tips	2	
Steam Cleaner Attachment, 4,000 psi, 4 gpm	1	
Pressure Washer Surface Cleaner Attachments	3	
Jetter, Sewer, 500 ft 1/2" hose, 20 gpm	1	
Drilling and Geoprobe Rigs	1	
Grout Mixing Equipment	1	
Monitoring well casings and Well Head Covers	10 wells	
Soil and Groundwater Sampling Probes	4 probes	
Well Sandpack and Grout	10 wells	
Heavy Duty Equipment		
4-wheel Drive Vehicles	5	
Kubota SVL 90 with backhoe, forklift & front end loader attachment	1	
Backhoes, offsite storage	3	
Bobcats & All Surface Vehicles, offsite storage	6	
Dump Trucks, offsite storage	8	
Flat Bed Trucks, offsite storage	2	
Graders, offsite storage	1	
High Lifts, offsite storage	2	
Roll-off Boxes (20 - 40 cy), offsite storage	10	
Track Excavators, offsite storage	2	
Hand Tools		
Acetylene Cutting/Welding	1	
Bolt Cutters	4	
Broom - Power	2	
Brooms	10	
Cable Cutters	1	
Chainsaws	6	
Chop Saws	3	
Circular Saws	4	
Drills, Bosch Masonary	2	
Pneumatic Hole Cutting Kit	2	
Rakes, Shovels, Picks	10	
Saw-Z-All	4	
Table Saw, portable	2	
<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
Vehicles		
Stakebed Truck, 5500, Crew Cab, 2006, Duramax Diesel, 4-wheel drive	1	
Stakebed Truck, 3500, Crew Cab, 2012, Duramax Diesel, 4-wheel drive	1	
Pickup Truck, 3500, Crew Cab, 2013, Duramax Diesel, 4-wheel drive	1	
Pickup Truck, 2500, Crew Cab, 2013, Duramax Diesel, 4-wheel drive	1	
Stakebed Truck, Crew Cab, 2015, 2500 Duramax Diesel, 4-wheel drive	1	
Suburban, 2500, 2015, 4-wheel drive	1	
Truck, Box	4	
Truck, Box 26 ft, 2015 Kenworth T270	1	
<b>HAZMAT Computer Data Bases</b>		
Internet DSL Link to Industry MSDS Sheets	4	
CDROM Maps of the US showing Rivers, Roads, Railroads, and Topography	2	
Cameo/Aloha/Marplot	4	

<b>Item</b>	<b>Units</b>	<b>EDRC, gpd</b>
OHM-TADS System	1	
Remtech In-House Haz Mat Library	1	
USGS 15 minute Maps, Digital, USA	3	
Computer Modeling		
Airstrip	1	
Aqtesolve	1	
Archie	1	
BioPlume	1	
Capzone	1	
Hydropal	1	
Hyperventilate	1	
Modflow	1	
Oasis	1	
Solute	1	
Surfer Contour Plotting		
Well Head Protection Model (WHPA)	1	
DOT Emergency Response Handbook - Computerized Version	1	
Reactive Chemical Data Base	1	
Well Head Protection Model (WHPA)	1	