








# LAMOR SWIRE ENVIRONMENTAL SOLUTIONS

**SHORELINE CLEAN-UP PACKAGE "A" – 3 packages in LSES stock**

<b>400m Foam Filled Boom (FOB 900/25)</b>		
	<ul style="list-style-type: none"> <li>• Solid flotation "Fence Boom"</li> <li>• 25m lengths x 0.9m wide</li> <li>• Weighs 5.3kg/m</li> <li>• Loaded 100m/ storage rack</li> <li>• PVC coated polyester construction</li> </ul>	<ul style="list-style-type: none"> <li>• Chain ballast and tension member</li> <li>• ASTM universal connectors</li> <li>• Radar detection reflectors</li> <li>• Pouches for battery lights</li> <li>• Towing bridles, mooring sets, boom repair kit supplied</li> </ul>
<b>2 x Small Size Brush Skimmer (Minimax 12 W/S)</b>		
	<ul style="list-style-type: none"> <li>• Rated recovery 12m<sup>3</sup>/hr</li> <li>• Free water collected &lt; 6%</li> <li>• Dimensions l x w x h(m) 0.9 x 0.7 x 0.4</li> <li>• Weight with pump 28kg</li> <li>• Brush Wheel system</li> </ul>	<ul style="list-style-type: none"> <li>• Oleophilic and Mechanical action</li> <li>• Recovers full range of black oils</li> <li>• Hydraulic power pack with diaphragm pump</li> <li>• Hose kit</li> </ul>
<b>2 x Transfer Pumps (GTA 20 &amp; GTA 115)</b>		
	<ul style="list-style-type: none"> <li>• Submersible Archimedes screw pumps</li> <li>• 1 x rated 20m<sup>3</sup>/hr, and 1 rated 115m<sup>3</sup>/hr</li> <li>• Useful for tank to tank transfer</li> <li>• Benefits from water / steam annular injection on the inlet</li> <li>• Able to recover all black oils</li> <li>• Hydraulic power pack, hose sets</li> </ul>	
<b>7.5m Landing Craft (7500 Open)</b>		
	<ul style="list-style-type: none"> <li>• Aluminium construction</li> <li>• Bow ramp door</li> <li>• Self draining deck</li> <li>• 7.5m long, 2.6m wide, draft 0.4m</li> <li>• Weight 1800kg</li> </ul>	<ul style="list-style-type: none"> <li>• Carrying capacity 1100kg</li> <li>• 120 litre fuel tank</li> <li>• Power 175HP</li> <li>• Trailer mounted</li> </ul>
<b>1 x All Terrain Vehicle (Iron Horse 9 Diesel)</b>		
	<ul style="list-style-type: none"> <li>• imensions l x w x h(m) 2.9 x 1.1 x 1.6, weight 320kg, power 6kW</li> <li>• Independant all terrain unit</li> <li>• Kevlar caterpillar tracks</li> <li>• Hydraluic unit provides up to 220bar for the operation of built in power winch and other small hydraulic tools</li> </ul>	
<b>1 x Beach Broom Set (LBB) (40/ set)</b>		
	<ul style="list-style-type: none"> <li>• Dimensions l x w x h(m) 0.7 x 0.5 x 0.5, weight 2.8kg</li> <li>• Used en-masse by shore clean-up teams to manually recover small volumes of stranded liquid black viscous oil on low energy shorelines</li> <li>• An oil soaked brush head simply needs drawing through a scraper channel guide above the bucket receptor to scrape the oil from the bristles</li> </ul>	
<b>5 x Collapsible Tank 11.4m<sup>3</sup> (LCT TSC 11.4m<sup>3</sup>)</b>		
	<ul style="list-style-type: none"> <li>• Capacity 11,400 litres</li> <li>• Height 1.2m, Weight 125kg</li> <li>• Polyester reinforced PVC plastic</li> <li>• Light weight aluminium construction frame</li> <li>• Simple and quick assembly, no tools required</li> </ul>	
<b>Sorbents will also be required</b>		
<ul style="list-style-type: none"> <li>• LSES can supply a full range of sorbent materials inc.: pads, rolls, single / twin booms, sweeps, Pom Poms for final polishing &amp; to reduce secondary contamination</li> </ul>		

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**SHORELINE CLEAN-UP PACKAGE “B” – 2 packages in LSES stock**

## 1 x Oil Recovery Bucket (LRB 150)



- Rated recovery 150m<sup>3</sup>/hr
- Free water collected < 5%
- Dimensions l x w x h(m) 1.8 x 1.5 x 1.2
- Weight 900kg
- High capacity brush system especially designed for use with excavators and cranes
- The buckets can be used to scoop and dump heavy oil sludges and solid materials
- Oleophilic and Mechanical action
- Recovers full range of black oils
- Hydraulic power pack, archimedes screw pump, hose kit, storage box



## Bulk Segregation Solution Required



- A waste management segregation system will need to be established to deal with the bulk liquid, semi-solids and solids recovered.

## Sorbents will also be required

- LSES can supply a full range of sorbent materials inc.: pads, rolls, single / twin booms, sweeps, Pom Poms for final polishing & to reduce secondary contamination





# LAMOR SWIRE ENVIRONMENTAL SOLUTIONS

## SHORELINE CLEAN-UP PACKAGE “C” – 3 packages in LSES stock

<b>1 x Hand Held Beach Cleaning Machine (Beach Tech Sweep)</b>	
	<ul style="list-style-type: none"> <li>• Dimensions l x w x h(m) 2.6 x 0.9 x 1.1</li> <li>• Weight 280kg</li> <li>• 5.5Hp engine, 2 forward and 2 reverse gears, diff lock, 2 seperate wheel locking brakes, sand tyres</li> <li>• Can rotate 360° on the spot</li> <li>• Vibrating screen design can collect normal amenity beach litter and washed up flotsam</li> <li>• Operating scrape depth on sand can be set from 0 – 12cm</li> <li>• Require pick-up truck or trailer to transport between sites</li> <li>• Corrosion resistant design</li> </ul>
<b>1 x Tow Beach Cleaning Machine (Sand Scraper LSS 2000)</b>	
	<ul style="list-style-type: none"> <li>• Dimensions l x w x h(m) 5.45 x 1.8 x 2.1</li> <li>• Trailer nose weight 500kg</li> <li>• Dumper body capacity 1.5m<sup>3</sup></li> <li>• Patented design for raking, screening and mixing</li> <li>• Able to treat 20,000m<sup>2</sup>/ hr on a dry beach, and 8,000m<sup>2</sup>/ hr on a damp beach</li> <li>• Discharge height of 2.55m enabling easy transfer to a truck or trailer with dropside body</li> <li>• Require tractor or heavy plant tow</li> <li>• Corrosion resistant design</li> </ul>
<b>Sorbents will also be required</b>	
	<ul style="list-style-type: none"> <li>• LSES can supply a full range of sorbent materials inc.: pads, rolls, single / twin booms, sweeps, Pom Poms for final polishing &amp; to reduce secondary contamination</li> </ul>

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**SHORELINE CLEAN-UP PACKAGE "D" – 2 packages in LSES stock**

<b>5 x Brush Cleaners (Rock Cleaner LRC)</b>	
	<ul style="list-style-type: none"> <li>• Rated recovery 12m<sup>3</sup>/hr</li> <li>• Free water collected &lt; 6%</li> <li>• 1.5m long x 0.4m wide</li> <li>• Weight 6.5Kg</li> <li>• Brush recovery</li> <li>• Oleophilic and Mechanical action</li> <li>• Dimensions l x w x h(m) 0.9 x 0.7 x 0.4</li> <li>• Adjustable handle with harness</li> <li>• Recovers full range of black oils</li> <li>• Hydraulic power pack with diaphragm pump, hose kit</li> </ul>
<b>4 x Collapsible Tank 4m3 (LCT 4)</b>	
	<ul style="list-style-type: none"> <li>• Capacity 4,650 litres</li> <li>• Dimensions l x w x h(m) 4.0 x 1.7 x 0.7</li> <li>• Polyester reinforced PVC plastic</li> <li>• Light weight aluminium construction frame</li> <li>• Simple and quick assembly</li> <li>• No tools required to assemble</li> </ul>
<b>1 x All Terrain Vehicle (Iron Horse 9 Diesel)</b>	
	<ul style="list-style-type: none"> <li>• imensions l x w x h(m) 2.9 x 1.1 x 1.6, weight 320kg, power 6kW</li> <li>• Independant all terrain unit</li> <li>• Kevlar caterpillar tracks</li> <li>• Hydraluic unit provides up to 220bar for the operation of built in power winch and other small hydraulic tools</li> </ul>
<b>1 x Beach Broom Set (LBB) (40/ set)</b>	
	<ul style="list-style-type: none"> <li>• Dimensions l x w x h(m) 0.7 x 0.5 x 0.5, weight 2.8kg</li> <li>• Used en-masse by shore clean-up teams to manually recover small volumes of stranded liquid black viscous oil on low energy shorelines</li> <li>• An oil soaked brush head simply needs drawing through a scraper channel guide above the bucket receptor to scrape the oil from the bristles</li> </ul>
<b>Sorbents will also be required</b>	
	<ul style="list-style-type: none"> <li>• LSES can supply a full range of sorbent materials inc.: pads, rolls, single / twin booms, sweeps, Pom Poms for final polishing &amp; to reduce secondary contamination</li> </ul>