

Annexure 8-1: Oil and Waste Storage / Disposal Methods

Type of Material	Separation Methods	Disposal and Recovery Methods
LIQUIDS		
Non-emulsified oils	Gravity separation of free water Mechanical removal of separated oil.	Use of removed oil as fuel or refinery stock Separated water discharged back into the environment.
Emulsified oils	Emulsion broken to release water by : Heat treatment Emulsion-breaking chemical Mixing with sand Mechanical removal of separated oil	Use of recovered oil as fuel or refinery feedstock Incineration Return of separated sand to sources Separated water may require further treatment before discharge back in to the environment
SOLIDS		
Oil mixed with sand	Collection of liquid oil leaching from sand during temporary storage Extraction of oil from sand by washing with water or solvent Removal of solid oils by sieving	Use of recovered liquid oil as fuel or refinery feedstock Direct disposal Stabilization with inorganic material Degradation through land farming, composting on site Bioremediation Incineration Burial in well aerated sandy soils (bioremediations)
		Separate water may require further treatment before discharge back into the environment
Oil Mixed with pebbles or shingle	Collection of liquid oil leaching from beach material during temporary storage Extraction of oil from beach material by washing with water or solvent	Direct disposal Incineration Separated water may require further treatment before discharge back into the environment

<p>Oil mixed with wood plastics, seaweed. sorbents</p>	<p>Collection of liquid oil leaching from debris during temporary storage Flushing of oil from debris with water Mechanical removal of separated oil</p>	<p>Direct disposal Incineration Degradation through land farming, composting or on site Bioremediation Separated water may require further treatment before discharge back into the environment</p>
<p>Tar balls</p>	<p>Separation from sand by sieving</p>	<p>Direct disposal Incineration</p>

Annexure 8-2 : List of Units Registered with MoEF&CC and CPCB as Oil Recyclers in Assam

S. No.	Name of the unit	Waste permitted and Quantity allowed	Issued on/Renewed from
1.	M/s Modern Lube Industries, A.K. Azad Road , Barsha Para Industrial Area, Guwahati – 781 034 Assam	Used Oil - 1000 KLA	
2.	M/s Progressive Industries, Rani Industrial Area, P.O. Rani-781131, Distt. Kamrup Assam E-mail : suniltaparia123@rediffmail.com suniltaparia123@yahoo.co.in	Waste Oil - 1000 KLA Used Oil - 500 KLA	
3.	M/s Allied Industries Digboi Road PO – Makum Junction Distt.Tinsukia-786 170 Assam	Waste Oil - 720 KLA	
4.	M/s East End Petro Chemicals (P)Ltd. PO-Naoholia Dibrugarh-786 191 Assam	Used Oil - 600 KLA	

**Annexure 8-3 : Suppliers & Service Agencies : OilSpill
ResponseContractors**

S. No.	Particular	Tel. Office	Fax No.
1	Marine Pollution Control 8631 West Jefferson Avenue, Detroit, MI 48209 – 2651, USA	313 / 849-2333 +44(O) 62 8520408 London.	313/849 – 1623
2	Marine Spill Response Corporation 13501, Street N.W., Suite 300, Washington DC 20005, USA	202 / 408 – 5700	202 / 371 – 0401
3	National Response Corporation 446, Edward Avenue, P.O Box, 609, Calverton, NY 119 33, USA	516 / 369 – 8644	516 / 369 – 4908
4	Oil Spill Response Ltd. Lower William Street, Southampton, SO 145QE, United Kingdom	+044 / 1703-331551	+44/1703-331972
5	East Asia Response Ltd. 2Jalan Samulum Singapore 629120	65/266-1566	65/266-2312
6	NORPOL Marine Services (A/S) OH Bangsuie 17, P.O. Box 338, Houik 1322, Norway	47/ 212-5200	47/259-1721
7	Oil Chem Recovery Denmark, Lufthavnveji, 12 DK – 9400 Norresunding, DENMARK	45 /981 – 90822	45/981-92344

Annexure 8-4 :Pollution Response Agencies in the State of Assam

Sr NO	Name of the Establishment
1.	The Chairman Pollution Control Board, Assam, Head Office, Bamunimaidam, Guwahati-21 03612550258 chairman@pcbassam.org
2.	Regional Office, Guwahati, Pollution Control Board, Assam, Assam Govt. Press Road, Guwahati-21. 8811013013 ro_guwahati@pcbassam.org
3.	Regional Office, Dibrugarh, Pollution Control Board, Assam, Chowkidingee, Behind ASTC Bus Stand, P.O. & Dist.: Dibrugarh, Assam 8811013006 ro_dibrugarh@pcbassam.org
4.	Regional Laboratory cum Office, Silchar, Pollution Control Board, Assam, 1st Floor of Silchar Development Authority Building P.W.D. Road, P.O. Silchar, Dist.: Cachar, Assam 8811013011 ro_silchar@pcbassam.org
5.	Commissioner & Secretary, Transport Department & State Project Director, AIWTDS

Annexure 8-5 : Oil Spills Internal Reporting Format

1	Address / site of spill
2.	Date & time of spill
3.	Position (Lat. & Long)
4.	Incident
5.	Estimated quantity of oil spilled
6.	Source and cause (Collusion, Grounding, spills from Terminal)
7.	Wind direction and speed and / or tide
8.	Current direction and speed and / or tide
9.	Drift of pollution
10.	Action taken
11.	Photograph or samples
12.	Request for assistance
13.	Acknowledge

**Annexure 8-6: Format for Oil spill report to Indian
Coast Guard Organization**

Particular of Organization: IWAI, Haldia /Kolkatta

1. Reporting Incident:
2. Date / Time of spill:
3. Spill location:
4. Type and approximate quantity of oil spill:
5. Cause of spill:
6. Response to spillage, if any:
7. Telephone /Telex number:
8. Any other information:

Signature