

污染清除作业方案

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The plan for Pollution Response Operations

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**Tianjin Changwin Environmental Protection
Engineering Co. , Ltd.**

表 2-1

污 染 事 故 初 始 报 告

报告人姓名:		报告人电话:	
报告人单位:			
报告日期:		报告时间:	
事故船舶名称:			
事故发生日期和时间:			
事故船旗国:		事故船总吨:	
事故发生地点（经纬度或最近的陆地标志）:			
事故原因（碰撞、搁浅、装卸溢漏等）:			
溢出部位:			
污染物品种:			
溢油量:			
其他:			

Table 2-1

Initial Report of Pollution Accident

Reported By:		Tel:	
Department :			
Report Date:		Report Time	
Name of the Wrecked Vessel:			
Date and Time of the Accident:			
Flag state of the Wrecked Vessel:		Gross Tonnage of the Wrecked Vessel:	
Location of the Accident (Latitude and Longitude or the Nearest Landmark:			
Cause of the Accident(Collision, Grounding, Spillage during Loading/Unloading, etc.):			
Spill Location:			
Type of Pollutant:			
Volume of Oil Spill:			
Others:			

表 2-2 污染事故规模配置方案

小型溢油应急配置方案

操作类型	清污作业组配置方案	
	设备	人员
监控、指挥	船舶 1 艘（对污染船舶进行监控，指挥人员作业）	指挥人员 1 人
溢油围控与清除	专业清污船 1 艘（自带油舱，溢油回收设备）； 围油栏布设船 2 艘（充气式围油缆200m、充吸气动力设备一台）； 防护用具若干（每人一套）。	专业清污船 5人/艘； 围油栏布设船3 人/艘，共需 6 人； 其他辅助作业人员6人；共需17人。
喷洒溢油分散剂、吸油材料吸附	工作船 1 艘； 溢油分散剂喷洒装置1套； 溢油分散剂若干； 吸油拖栏若干； 吸油毡若干； 防护用具若干（每人一套）。	工作船3人/艘； 其他辅助作业人员6 人；共需 9 人。

Table 2-2 Pollution Accident Deployment Plan by Size

Small-sized Oil Spill Emergency Response Deployment Plan

Operation Type	Deployment Plan of Oil spill Cleanup Team	
	Equipment	Personnel
Monitoring/ Command	One vessel (Monitoring the contaminated vessel and commanding personnel operations.)	One commander
Containment and cleanup of oil spillage	One specialized oil spill cleanup vessel (equipped with its own oil tank and recovery equipment of containment); Two boom deployment vessels(200 meters Inflatable oil boom, one set of inflation/deflation power equipment ; A number of protective equipment (one set per person).	5 personnel per specialized oil spill cleanup vessel; 3 personnel per boom deployment vessel, total:6; 6 additional auxiliary operation personnel; Total: 17.
Spraying with Oil Spill Dispersing Agent Applying with Absorbent Material	One workboat; One set of spraying equipment of oil spill dispersing agent; A number of oil spill dispersing agent; A number of oil absorbing boom, including launching and retrieving tools; A number of oil absorbent pads; A number of protective equipment (one set per person).	3 personnel per workboat; 6 additional auxiliary operation personnel Total: 9

中型溢油应急配置方案

操作类型	清污作业组配置方案	
	设备	人员
监控、指挥	船舶 1 艘（对污染船舶进行监控，指挥人员作业）	指挥人员 2人
溢油围控与清除	专业清污船 1 艘（自带油舱，溢油回收设备）； 围油栏布设船 2 艘（充气式围油栏200m、充吸气动力设备一台）； 防护用具若干（每人一套）。	专业清污船 5人/艘； 围油栏布设船3 人/艘，共需 6 人； 其他辅助作业人员6人；共需17人。
吸油拖栏	吸油拖栏拖带工作船 1 艘； 吸油拖栏若干； 防护用具若干（每人一套）。	工作船3 人/艘； 其他辅助作业人员 2人；共需 5人。
喷洒溢油分散剂	工作船1艘（带溢油分散剂储藏舱、船用喷洒装置）； 溢油分散剂若干； 防护用具每人一套（含手套、防护衣、防护眼镜、塑料面罩等）。	工作船 3 人/艘； 其他辅助作业人员 6 人；共需9 人。
吸油材料吸附	工作船 2 艘； 吸油拖栏若干、 吸油毡若干； 防护用具每人一套。	船舶 3人/艘，共需 6人； 其他辅助作业人员 4 人；共需 10人。

Medium-sized Oil Spill Emergency Response Deployment Plan

Operation Type	Deployment Plan of Oil spill Cleanup Team	
	Equipment	Personnel
Monitoring/ Command	One vessel (Monitoring the contaminated vessel and commanding personnel operations.)	Two commanders
Containment and cleanup of oil spillage	One specialized oil spill cleanup vessel (equipped with its own oil tank and recovery equipment of containment); Two boom deployment vessels(200 meters Inflatable oil boom, one set of inflation/deflation power equipment ; A number of protective equipment (one set per person).	5 personnel per specialized oil spill cleanup vessel; 3 personnel per boom deployment vessel, total:6; 6 additional auxiliary operation personnel; Total: 17.
Oil Absorbent Boom	One workboat to tow an oil absorbent boom; A number of oil absorbing boom; A number of protective equipment (one set per person).	3 personnel per workboat; 2 additional auxiliary operation personnel Total: 5
Spraying with Oil Spill Dispersing Agent	One workboat (equipped with storage tank for dispersing agent of oil spill, One set of spraying equipment); A number of oil spill dispersing agent; A number of protective equipment (one set per person). (Including gloves, protective clothing, protective glasses, plastic masks, etc.)	3 personnel per workboat; 6 additional auxiliary operation personnel Total: 9
Applying with Oil Absorbent Material	Two workboats; A number of oil booms, launching and retrieving equipment; A number of oil absorbent pads; A number of protective equipment (one set per person).	3 personnel per workboat, Total: 6; 4 additional auxiliary operation personnel Total: 10

大型溢油应急配置方案

操作类型	清污作业组配置方案	
	设备	人员
监控、指挥	船舶 1 艘（对污染船舶进行监控，指挥人员作业）	指挥人员 3 人
溢油围控与清除	专业清污船 1 艘（自带油舱、溢油回收设备）； 围油栏布设船 2 艘（自带200m充气式围油栏，冲洗气机一台）； 回收污油转运船 1 艘（ 自带油舱）； 防护用具若干（每人一套）。	专业清污船 5 人/艘； 围油栏布设船4 人/艘，共需 8人； 转运船 3人/艘； 其他辅助作业人员6 人； 共需 22 人。
吸油拖栏	吸油拖栏拖带工作船 1 艘； 吸油拖栏若干； 防护用具若干（每人一套）。	工作船3人/艘 其他辅助作业人员 2 人； 共需5人。
喷洒溢油分散剂	工作船 1 艘（带溢油分散剂储藏舱、船用喷洒设备一套）； 溢油分散剂若干； 防护用具（每人一套）（含手套、防护衣、防 护眼镜、塑料面罩等）。	工作船3人/艘； 其他辅助作业人员 6 人； 共需 9人。
吸油材料吸附	工作船 2 艘 吸油毡若干 防护用具若干（每人一套）	船舶 3 人/艘，共需6 人； 其他辅助作业人员 4 人； 共需10人。

Large-sized Oil Spill Emergency Response Deployment Plan

Operation Type	Deployment Plan of Oil spill Cleanup Team	
	Equipment	Personnel
Monitoring command	One vessel (Monitoring the contaminated vessel and commanding personnel operations.)	Three commanders
Containment and cleanup of oil spillage	<p>One specialized oil spill cleanup vessel (equipped with its own oil tank and recovery equipment of containment);</p> <p>Two boom deployment vessels(200 meters Inflatable oil boom, one set of inflation/deflation power equipment ; One vessel for recovering and transporting contaminated oil (equipped with its own oil tank);</p> <p>Inflatable oil boom;</p> <p>One skimmer and one oil tank truck;</p> <p>Two sets of transfer pump and piping system;</p> <p>Portable diesel generator or other mobile power source;</p> <p>A number of protective equipment (one set per person).</p>	<p>5 personnel per specialized oil spill cleanup vessel;</p> <p>4 personnel per boom deployment vessel,</p> <p>Total: 8;</p> <p>3 personnel per transporting vessel;</p> <p>6 additional auxiliary operation personnel;</p> <p>Total: 22.</p>
Oil Absorbent Boom	<p>One workboat to tow an oil absorbent boom;</p> <p>A number of oil absorbing boom;</p> <p>A number of protective equipment (one set per person).</p>	<p>3 personnel per workboat;</p> <p>2 additional auxiliary operation personnel</p> <p>Total: 5</p>
Spraying with Oil Spill Dispersing Agent	<p>One workboat (equipped with storage tank for dispersing agent of oil spill, one set of spraying equipment);</p> <p>A number of oil spill dispersing agent ;</p> <p>A number of protective equipment (one set per person). (Including gloves, protective clothing, protective glasses, plastic masks, etc.)</p>	<p>3 personnel per workboat;</p> <p>6 additional auxiliary operation personnel</p> <p>Total: 9</p>
Applying with Oil Absorbent Material	<p>Two workboats;</p> <p>One set of oil boom, two sets of launching and retrieving equipment</p> <p>A number of oil absorbent pads;</p> <p>A number of protective equipment (one set per person).</p>	<p>3 personnel per workboat, total 6;</p> <p>4 additional auxiliary operation personnel</p> <p>Total: 10</p>

表 2-3

污染事故补充报告表

报告人姓名:		单位:			
报告日期:		报告时间:		电话:	
溢油品种的物化特性:					
溢出量和污染范围:					
估计溢出数量和进一步溢出的可能性:					
事故环境条件	风速:		风向:		
	潮流向:		流速:		
	海况:		能见度:		
海面浮油的描述:					
预计将受污染威胁的地区:					
确定报警人或观察者和在现场的传播:					
已采取的行动和准备采取的防治措施:					
照相和取样:					
通知其他海区和国家的应急响应部门:					
其他:					

Table 2-3

Supplementary Report of Pollution Accident

Reported By:		Department:			
Report Date:		Report Time:		Tel:	
Physicochemical Properties of Spilled Oil Types:					
The Range Area of Spill Volume and Contamination :					
Estimated Spill Volume and Potential for Further Spillage:					
Accident Environmental Conditions:	Wind Speed:		Wind Direction:		
	Tidal Current Direction:		Current Speed:		
	Sea State:		Visibility:		
Description of Oil Slick on Sea Surface:					
Areas Expected to be Threatened by Pollution:					
Identifying of reporter/observer, and Communicating on Site:					
Actions Already Taken and Preventive Measures Prepared to Take:					
Photographing and Sampling:					
Notifying Emergency Response Departments in Other Maritime Regions and Countries:					
Others:					

表 2-3

污染事故报告表

报告人姓名:		单位:			
报告日期:		报告时间:		电话:	
事故船舶或设施名称:					
事故发生日期和时间:					
事故发生地点(经纬度或最近的陆地标志):					
事故原因(碰撞、搁浅、装卸溢漏等):					
溢出部位:					
污染物品种:					
估计溢出数量和进一步溢出的可能性:					
事故环境条件	风速:		风向:		
	潮流向:		流速:		
	海况:		能见度:		
	污染物运动方向:				
预计将受污染威胁的地区:					
已采取和准备采取的防治措施:					

联系人:

地址:

邮编:

电话、传真:

注: 内容填写多的可多附页。

Table 2-3**Report Form for Pollution Accident**

Reported By:		Department:			
Report Date		Report Time:		Tel:	
Name of the Wrecked Vessel or the Facility:					
Date and time of the Accident:					
Location of the Accident (Latitude and Longitude or Nearest Landmark) :					
Cause of the Accident (Collision, Grounding, Spillage during Loading/Unloading, etc.):					
Spill Position:					
Type of Pollutant:					
Estimated Spill Volume and Potential for Further Spillage:					
Accident Environmental Conditions:	Wind Speed:		Wind Direction:		
	Tidal Current Direction:		Current Speed:		
	Sea State:		Visibility:		
	Direction of pollutant movement:				
Areas Expected to be Threatened by Pollution:					
Actions Already Taken and Preventive Measures Prepared to Take:					

Contact:**Address:****Postal Code:****Phone/ Fax:****Note: Additional pages may be attached for more detailed content.**