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Net Environmental Benefit Analysis

Incident Name	
Date of this analysis	
Time	

NEBA Steps	Requirements	Information Collected	Name of Person Completing Step
1. Collect Information			
Oil	Properties of Oil <i>ADIOS II</i> <i>Toxicity Information (Acute and Chronic)</i> <i>Weathering Characteristics</i>		
	Trajectory of Spill <i>Oil Spill Trajectory Modelling</i> <i>Request to AMSA/APASA</i>		
	Volume of spill (<i>potential and current</i>)		
	Release Details <i>Instantaneous or Continuous release</i> <i>Subsurface or Sub-Sea release</i>		
Location	Current and Forecasted Weather		
	Water Depth/Coastal Profile		
	Resources at Risk <i>Take into account seasonal presence of resources at risk</i>		
	Distance to Resources at Risk from Spill Source <i>Time to impact</i>		
Response Strategy Information	Monitor and Evaluate <i>Consider Public Perception</i>		
	Dispersants Efficacy with Oil <ul style="list-style-type: none"> • <i>Quick Effectiveness Field test results</i> • <i>Information in OSCP</i> • <i>Timeframe for Efficacy</i> • <i>Mobilisation times for Dispersant, Aircraft, Vessels, trained personnel</i> • <i>Acute and Chronic Toxicity of Dispersant + Oil</i> • <i>Feasibility of Dispersant Application in current and forecasted conditions</i> • <i>Trajectory of Dispersed Plume</i> • <i>Trajectory Model request through AMSA/APASA</i> 		
	<i>Mobilisation times for vessels, equipment, trained personnel. Feasibility of strategy in current and forecasted conditions.</i>	Containment & Recovery	Protection and Deflection

2. Evaluate Information (Based on information collected at Stage 1)

Indication of Priority	Prioritise Resources at Risk	How important is the resource	How vulnerable is the resource	How sensitive is the resource	How well will the resource naturally recover	What impact will feasible response strategies have on the resource	How long will the resource take to recover is a response strategy is chosen vs timeframe for natural recovery
ESC Advice							
High							
Medium							
Low							
Other Priorities							



Identify Response Strategies that will prevent/reduce impact to priority resources
Take into account feasibility in current and forecasted conditions & potential impacts of response strategies on priority resources

3. Predict Outcomes & Weigh Up Options (based on information collected and evaluated at stage 1 & 2)

ESC advice to Incident Controller	Resources at Rick in order of Priority	1. 2. 3. 4. 5. 6.	
ESC Sign Off	Name:	Signature:	Date: Time:
Comments:			

4. NEBA Outcomes

Priorities for next operational period			
Response strategies that result in a net environmental benefit/least environmental harm			
Comments			
	Name	Signature	Date and Time
Planning Officer			
Incident Controller			

