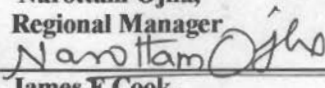
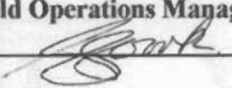


	Rajasthan Operations	Document No.: RJ/QHSE/SOP/102		
	Standard Operating Procedure	Approved by	Narottam Ojha, Regional Manager	
	Environment	Signature:		
		Reviewed by	James F Cook, Field Operations Manager	
		Signature:		
	Originator	SubuRao Field HSE - North		
	Signature:			
Road Tanker - Oil Spill Response Procedure		Doc. Status	No	Date
		Issue	1	December 05
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1. Purpose:

The objective of this procedure is to describe the oil spill contingency planning & response actions in case of an oil spills or leaks involving road tankers during infield transfers.

2. Scope:

This procedure is applicable to Rajasthan Operations.

3. Probable incident scenarios:

- Road tanker leaks from tanker valves, body and any other part of the tanker leading to considerable spillage on public road within or near to CEIL operational areas or within the site locations
- Road tanker involving in any head on collision with other vehicles leading the oil spill and fire
- Road tanker topples resulting into oil spill in public domains
- Road tanker on fire etc.
- Tanker oil leak, fire and casualties involving either tanker crew or general public.

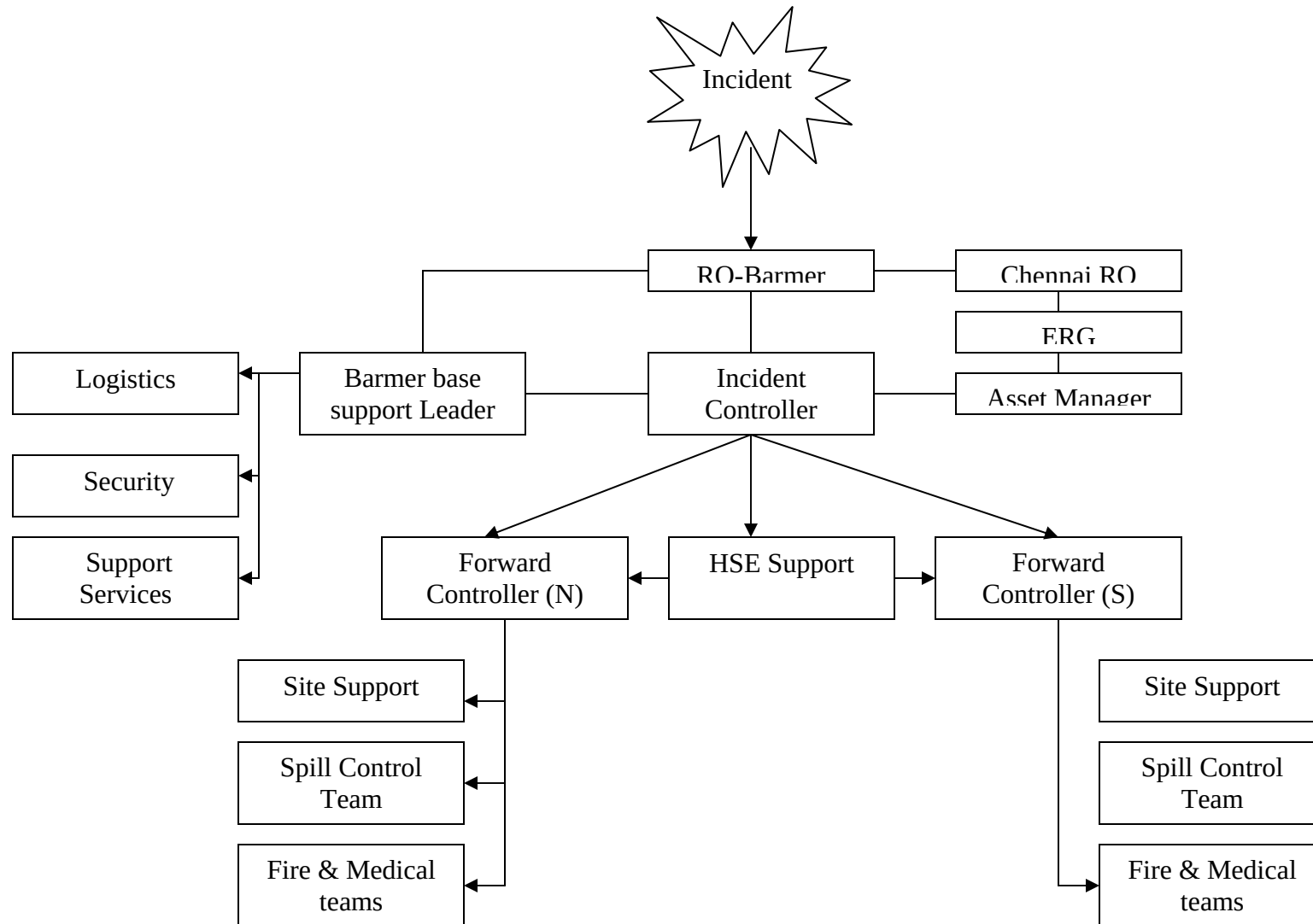
4. Reference: Rajasthan Field Emergency Response Plan

5. Response procedure

5.1 Site Incident Response Team (IRT)

Role	Designated person	Alternate
Incident Controller	Field Manager	Dev Manager N / S
Barmer Base Support Leader	Regional Manager	Manager-Support Services
Forward Controller	Dev Manager North/ South	Production Supdt
Communications	Radio Officer-Barmer	Night duty RO
HSE support	Dy Manager - HSE	Field HSE Engineer (N/S)
Support Services	Manager-Support Services	Manager-Logistics
Logistics Support	Manager-Logistics	Dy. Manager – Log & Materials
Site Support	Production Supdt	Production In-charge
Spill Control Team	Operations Team	---
Fire & Medical Support	Training Fire & First Aid team	---

5.2 Incident Response Organization



5.3 Roles & Responsibilities:

Responsibilities of the key roles that are likely to be involved in the road tanker oil spill response are discussed hereunder. For others, Rajasthan Emergency Response Plan may be referred.

5.3.1 RO-Barmer

1	When receiving notification of incident, ensure incident details are recorded accurately. Identify the caller and confirm the emergency. Get the exact location of the incident.
2	If the informer is a tanker crew (driver or helper) to barricade the area, control traffic and if possible keep the oil spill contained & isolate the spark potential sources.
3	Notify Incident Controller & Barmer Base Support Leader; advise of dedicated emergency frequency (channel 16) and update as further communications are received. Notify all IRT members as directed by IC & Barmer Base Support Leader
4	For any media calls received by Site Radio Room, ensure Barmer Base Support Leader is informed about it. Do not discuss any matters with media
5	Log all the events and actions.
6	Contact Chennai RO to intimate or activate ERG – on the instruction from IC or Barmer Base Support Leader

5.3.2 Incident Controller

1	Activate Site Support functions (Forward Controller and others). Ensure the early contact is made with the scene of incident.
2	Evaluate and initiate immediate actions viz., spill containment, recovery etc to contain and mitigate effects; ensure all resources are mobilized for oil transfer, spill recovery, spill containment, contaminated soil recovery, collection tanks etc. Request any additional resources likely to be required to Barmer Base Support.
3	Ensure any injured or at-risk personnel are evacuated/rescued to a safe area.
4	Evaluate the public reaction and request for support from Barmer Base Support Leader.
5	Make early contact with ERG Leader; provide relevant known details and likely requirements. Maintain liaison
6	Make contact with Barmer Base Support Leader to get required resources to mitigate the emergency. Maintain liaison.
7	Develop initial priority action plan with ERG Leader; continually review to ensure response is appropriate to incident
8	Constantly monitor need for external requirements; liaise with ERG Leader/ Base Support Leader as appropriate
9	Pass on the information on the injured and dead to ERG Leader and BBS Leader
10	Arrange for Medivac support upon reviewing need with ERG, Chennai
11	Do not disturb anything at the accident area until the statutory authorities / ERG Leader clears it or unless it threatens the safety of the personnel. In such a case, take necessary photographs.
12	Conduct investigation and prepare reports.
13	Ensure all contact points and numbers of key personnel are on hand (Contact directory)
14	Prepare POLREP and forward to ERG

5.3.3 Barmer Base Support Leader

1	Activate Support functions. Meet at Incident Control Centre
2	Contact with ERG on the actions being initiated and update
3	Extend support to site in terms of Security, public liaison, logistics and additional resources required for spill control, recovery, and mobilization etc.
4	Contact the tanker owners and intimate on the incident details including injuries. Discuss the requirement of intimating to Chief Controller of Explosives & intimation to kith and kin in case of injuries to anyone.
5	Initiate FIR requirements as per the procedures & as per the guidelines of ERG
6	In case of fire, mobilize fire tenders to the scene of incident
7	Press reports as per the guidelines from ERG
8	Mobilize additional ambulance services if required
9	Liaise with hospitals at Barmer / JDH
10	Provide additional security support at the scene of incident to control the public, if required, take police support (ERG guidelines)
11	Initiate statutory reporting to Pollution control board, district collector (off-site emergency co-ordinator) etc as directed by ERG
12	Co-ordinate the visits of the officials to scene of incident
13	Mobilize required resources, if necessary, for contaminated soil recovery.
14	Identify the authorized hazardous waste handlers for safe disposal of the contaminated soil.

5.3.4 Forward Controller

1	Make early contact with the scene of incident; know the incident severity; evaluate the resource requirements for spill control, oil transfer, containment, collection, recovery, casualty mobilization (in case of any fire & injuries) etc.
2	Muster the spill control teams (Team of operators and technicians)
3	Mobilize the teams to the scene of incident; follow the team if required for incident evaluation and guidance to the personnel.
4	Mobilize all the resources required
5	Keep incident Controller informed of the actions initiated and maintain liaison
6	At the scene of incident: Assess the situation and take necessary action with the available resources. Ask Incident Controller if any facilities are required
7	Isolate the leak source if feasible.
8	Intimate the public reaction. Do not interact with the public aggressively. Try to keep the people cool. Call for security help if necessary.
9	Barricade the area and do not allow any one to enter the area
10	Recover the spilled oil, if feasible
11	Mobilize recovery teams for site clean up. Contaminated sand to be complete recovered and filled in the containers.
12	Do not interact with press.
13	Mobilize ambulance services for medical help to the injured.
14	Isolate all the spark potential sources from the scene of incident.
15	Co-ordinate with the fire teams (external or internal) in case of fire on the tanker
16	Investigate the incident with HSE support

5.4 Spill control/clean up – Resources:

- Vacuum pumps (diesel)
- Fuel for pumps
- Connecting hoses
- Collection barrels or tanker (if available)
- Shovels & other relevant tools
- PPE – Hand gloves, shoes & goggles
- Contaminated soil collection barrels
- Adequate manpower
- Labels to the barrels
- Transportation for barrels to the storage location
- Proper storage place
- Authorized hazardous waste handler
- Reflector triangles and barricade tapes
- Proper storage facility at both north and south camps in a centralised location

6. Safety & Environmental Requirements

- Site clean up – recovery of all the contaminated soil / sand.
- Responsible disposal of the contaminated material to the authorized vendors
- Usage of personal protective equipment – shoes, gloves & goggles.