

SAMI BITUMEN TECHNOLOGIES PTY LTD
Pollution Incident Response Management Plan (PIRMP)
SBT Camellia NSW - Production Facility
Date: 08/01/2024 REVISION 12



SAMPLE DOCUMENT

FOR

REFERENCE ONLY

PIRMP SITE ASSESSMENT SHEET

| LIST OF POLLUTING SUBSTANCE STORAGES/USES AT SITE INITIAL ASSESSMENT (all Chemicals listed in this sheet are to be subjected to a risk assessment) | | |
|---|---|---|
| Site Name: SAMI Bitumen Technologies Pty Ltd | Responsible Person: Sebastien Chatard SAMI GM | Revision Date: 08/01/24 (V12) |
| Address: 12 Grand Avenue Camellia NSW | PIRMP Prepared by: Ian Leask SAMI WHSEQR Manager | Last Drill Date: 28/03/2023 |

| Name / description | Covered under Haz Chemicals/SDS? | Max. Amount stored | Location of storage | Site reference | Need for early warning ¹ | Current controls | See Risk Ass & PIRMP Response Action (see Below) |
|--------------------|----------------------------------|--------------------|---------------------|----------------|-------------------------------------|------------------|--|
|--------------------|----------------------------------|--------------------|---------------------|----------------|-------------------------------------|------------------|--|

| CHEMICALS / FUELS /LUBRICANTS (raw materials and products which can cause pollution) | | | | | | | |
|--|---------|----------------|---|-----------|----|---|------------------|
| Diesel | Class 3 | 120,000 Litres | SBT Plant Above Ground Storage tanks 3 x 20,000 Litres Tanks 7/8/9/D1 | Ref No. 1 | No | <ul style="list-style-type: none"> Bunding ERP Training Spill Kits WI (Work Instructions) Inductions Fire Fighting Equipment Security | Incident # 1 / 2 |
| Kerosene | Class 3 | 150,000 Litres | SBT Plant Above Ground Storage tanks No's 4, 5, 6, | Ref No. 7 | No | <ul style="list-style-type: none"> Bunding ERP Training WI (Work Instructions) | Incident # 1 / 2 |

¹ Early warnings relate to informing neighbours who may be affected by the emission of this substance. If this substance is of a type and quantity which may reach neighbours, then early warning assessment of actions is required to be undertaken.

| | | | K1 | | | <ul style="list-style-type: none"> • Spill Kits • Inductions • Fire Fighting Equipment | |
|---|----------------------------------|---------------------|----------------------------------|---------------|-------------------------------------|---|--|
| MATERIALS (eg stockpiles, silos, bulk solids etc) – Vehicles used to load and move raw materials | | | | | | | |
| LPG Gas Storage Tank | Class 2 | 6000 Litres | Gas Storage Area | Ref No. 8 | No | <ul style="list-style-type: none"> • ERP • Training • WI (Work Instructions) • Inductions • Fire Fighting Equipment | Incident # 7 |
| AQUEOUS (eg dams, wastewater tanks, other water storage area) | | | | | | | |
| Settling Pond | N/A | Variable | Settling Pond | Ref No 11 | N/A | <ul style="list-style-type: none"> • Continue to irrigate to maintain levels of dams. • Ensure pumps are maintained through scheduled maintenance • Sample as required | Incident # 10 |
| SUBSTANCES IN PROCESSES (substances which could be emitted from operational process i.e. treatment plants, vehicles etc) | | | | | | | |
| Name / description | Covered under Haz Chemicals/SDS? | Amount stored | Location of storage | Map reference | Need for early warning ² | Current controls | See Risk Ass & PIRMP Response Action (see Below) |
| Mobile Plant (onsite) SBT/SRS | Class 3 | Up to 15 MP on site | Dedicated on site. Ref No. 14 | N/A | N/A | <ul style="list-style-type: none"> • Spill Kits • Pre-start checks. • PMP • Training | Incident # 11 / 1 / 2 |

² Early warnings relate to informing neighbours who may be affected by the emission of this substance. If this substance is of a type and quantity which may reach neighbours, then early warning assessment of actions is required to be undertaken.

IMPACT ON NEIGHBOURS ASSESSMENT – EARLY WARNINGS

| Site Name: SBT Camellia | | | Responsible Person: Phil Orchard | Date: 07/01/2023 |
|-----------------------------------|--------------------------------------|-------------------------------------|---|---|
| Incident type/description | External Release (air, waterway etc) | Neighbors impacted/extent of impact | Communication methods Early warnings | Actions and other control measures (eg posting on website, community group meetings) |
| | | | | |
| | | | | |
| | | | | |
| Emergency Drills Conducted | | | | |
| Date | Practice Drill Completed | Type of Drill | Rating 1-5 on Effectiveness | Comment |
| Restricted | | | | |
| | | | | |
| | | | | |

RISK ASSESSMENT MATRIX

| TABLE 1: Measures of Consequence | | |
|----------------------------------|-------------|--|
| Value | Description | Impact |
| 1 | Major | Off –site release regional or national impact long term damage with specialist clean up required |
| 2 | Moderate | On-site release immediately contained with outside assistance |
| 3 | Minor | On-site release immediately contained |

| TABLE 2: Measures of Likelihood | | |
|---------------------------------|---------------|---|
| Value | Description | Impact |
| 1 | Highly Likely | The event could occur weekly in normal circumstances. |
| 2 | Likely | The event could occur once per month |
| 3 | Unlikely | The event could occur once every one to five years. |

| TABLE 3: Risk Ranking Table | | | |
|-----------------------------|-------------------|--------------|-----------|
| Likelihood \ Consequence | Major (1) | Moderate (2) | Minor (3) |
| | Highly Likely (1) | H (1) | H (2) |
| Likely (2) | H (2) | M (4) | L (6) |
| Unlikely (3) | M (3) | L (6) | L (9) |

RISK ASSESSMENT on POTENTIAL IMPACTS

Review Date 8th January 2024 - Reviewed by I Leask WHSEQR Manager

| Name of product / chemical | Description of Hazard / Incident leading to hazard | Risk | Impact on neighbours ³ | Description of Consequence and Likelihood from an environmental release perspective only | Responsible person | Action date |
|--|--|------------|-----------------------------------|--|--------------------------|---------------|
| Diesel Cutback Bitumen Kerosene Oils Lubricants | Incident #1 Major failure of above ground storage tanks. | LOW | NO | Consequence: (Minor): Failure resulting in loss of all or substantial volume of tanks would be captured entirely by existing primary bund system with no release to soil or water. Contents of the tank would be contained within the site bunded area. Any excess would be directed to the on-site retention area and/or settling pit where it could be collected/pumped out for recycling/disposal. Likelihood: (Unlikely): Due to tank protection (physical Barriers) & location within bund, damage to tanks is unlikely to occur from external equipment. In addition, tanks are maintained in good structural integrity with low risk of failure through corrosion. | As per PIRMP action plan | When required |
| | Incident #2 Fire involving storage tanks | MED | YES | Consequence: (Serious): Fire consuming one or more of the liquid chemical storage tanks. Potential atmospheric contamination with noxious or toxic fumes likely. Likelihood: (Unlikely): All tanks and distribution pipe work is electrically isolated and earthed from static build-up. Pumps are earthed and there are no other potential ignition sources within the tank areas. Flexible hoses, heating, and pumping equipment are earthed and are maintained. Fire fighting equipment is readily available and suitable. | As per PIRMP action plan | When required |

³ If the incident may impact on neighbours, then it will need to trigger the early warnings assessment and actions

PIRMP RESPONSE ACTIONS

ACTIONS FOR MINOR PRODUCT SPILLS

| | |
|---|--|
| <p>Applicable to</p> <p>Incident # 13 Incident # 14 Incident # 15</p> | <p>Actions applicable for control of minor product spill outside designated storage areas</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • Contact (WHSEQR Manager NSW) or (Group WHSE Manager) and provide details of incident including: <ul style="list-style-type: none"> ○ Situation (eg. Land, air, water contamination/discharge) ○ Product ○ Quantity ○ Extent ○ Possible clean-up cost consequences (possibility of contaminant leaving site) • WHSEQR Manager NSW or Group WHSE Manager to contact all relevant people/department (refer to Immediate Reporting Contact Sheet) if required. • Ensure spilt material is prevented from spreading further by applying: <ul style="list-style-type: none"> ○ Applying suppressing material to contain/absorb spill. ○ Placing bunds and/or material to contain spill. ○ Blocking drains and vents to prevent escape of product. ○ Collecting spilt product • Ensure site bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Area to be restricted to allow cleanup to proceed without disturbance. • Ensure spill kit is restocked on completion. • Implement actions to prevent re-occurrence |
| <p>Alarm raising</p> | <p>Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.</p> |
| <p>Emergency Controller</p> | <ul style="list-style-type: none"> • WHSEQR Manager NSW (reporting to Group WHSE Manager) • Call service provider (Group WHSE Manager) • Spill Kit manager (Site Supervisors) • Periodic inspections and update reporting of site and bund (Group WHSE Manager) As per Annual HSE Monitoring Plan |
| <p>Scale of incident</p> | <p>Incident would be restricted to Plant and chemical storage area with minimal external impact, however, potential for bund overflow or failure may result in soil and surface water contamination. The risk of contaminated liquid materials or water leaving the site is low</p> |
| <p>Evacuate</p> | <p>No</p> |
| <p>Communications</p> | <p>Internal:</p> |

| | |
|---|---|
| | <ul style="list-style-type: none"> Plant Manager Group WHSE Manager <p>External mandatory:</p> <ul style="list-style-type: none"> Immediate Reporting Contact Sheet to be used. Group WHSE Manager or Delegate to report <p>External non-mandatory: N/A</p> |
| Rescuer / respondent + safety checks | As per Site Emergency Plan or Fire Department as part of Immediate Reporting |
| Rescue + First Aid | As per Site Emergency Plan or Fire Department as part of Immediate Reporting |
| Clean up and Waste disposal | As required, refer Waste Disposal Procedure (MSP22W-Waste management) |
| Reporting and re-preparedness | See site ERP |

ACTIONS FOR FIRE IN LPG GAS STORAGE TANK

| | |
|-----------------------------|--|
| Incident #7 | <p>Accidental discharge from settling pond.</p> <p>Actions Required:</p> <ul style="list-style-type: none"> Contact (WHSEQR Manager NSW) or (WHSE Manager CAG) and provide details of incident including: <ul style="list-style-type: none"> Situation which led to the discharge WHSEQR Manager NSW or WHSE Manager CAG to contact all relevant people/department (refer to Immediate Reporting Contact Sheet) if required. Contact emergency services – Fire and Rescue Evacuate Office and HR Hut to Workshop Ensure area is isolated from Tankers / Vehicles Maintain continuous water flow to tank surface to keep tank cool until tank has vented. Area to be restricted to Incident Response Personnel |
| Alarm raising | Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented. |
| Emergency Controller | <ul style="list-style-type: none"> WHSEQTR Coordinator NSW (reporting to Group WHSE Manager) Call service provider Spill Kit manager (Site Supervisors) |

| | |
|---|---|
| Scale of incident | Moderate. Risk of explosion and fire |
| Evacuate | Yes |
| Communications | <p>Internal:</p> <ul style="list-style-type: none"> • Plant Manager • Group WHSE Manager <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used. • Group WHSE Manager or Delegate to report if required. <p>External non-mandatory: N/A</p> |
| Rescuer / respondent + safety checks | As per Site Emergency Plan |
| Rescue + First Aid | As per Site Emergency Plan |
| Clean up and Waste disposal | Should not be required. |
| Reporting and re-preparedness | <ul style="list-style-type: none"> • Refer ERP |

SBT CAMELLIA - Dangerous Goods Manifest 2024

| Container ID | Proper Shipping Name | Storage Area | Container Type | Max Quantity Stored KG/L | UN Number | DG Class | Packaging Group | Hazchem Code |
|--------------|------------------------------------|--------------|----------------|--------------------------|-----------|----------|-----------------|--------------|
| Tank 1B | Elevated Temperature Liquid N.O.S. | Sub Area 3 | Bulk Tank | 90,000 L | 3257 | 9 | III | 2W |
| Tank 2B | Elevated Temperature Liquid N.O.S. | Sub Area 3 | Bulk Tank | 90,000 L | 3257 | 9 | III | 2W |
| Tank 3B | Elevated Temperature Liquid N.O.S. | Sub Area 3 | Bulk Tank | 90,000 L | 3257 | 9 | III | 2W |