**TITLE: SPCC-PLAN TEMPLATE**

**Annexure 8.2 of Procedure 200-80598: Medupi Spill Prevention, Control and Countermeasures Management Plan**

**Instructions for using this template:**

* **This template is designed for PCs to use as a guide in preparing their specific Spill Prevention, Control, and Countermeasures Plan**
* **The Format of the SPCC-Plan document may be in accordance with the document requirements of the PC’s Company, but the Contents must be in accordance with this Template.**
* **Replace the blue highlighted text with package-specific information.**
* **Yellow highlighted text describes or provides an example of what needs to be written. Using this text as a guide, add a description tailored to the project/activities and then delete the yellow highlighted text.**
* **Create a table of contents for the completed plan**
* **Delete this front page before submitting the SPCC-Plan it the MPT.**

**Spill Prevention, Control, and Countermeasures Plan**

**Medupi Power Station**

**Package Number**

**Package Project Manager (PPM): Name**

**PPM Contact Details: Number**

**Principal Contractor: Name**

**Principal Contractor Responsible Representative: Name**

**Contact Details: Number**

THIS SPCC-PLAN SHALL BE UPDATED ANNUALLY, OR AS NECESSARY TO REFLECT ACTUAL SITE CONDITIONS AND PRACTICES

A COMPLETE, UPDATED COPY OF THIS PLAN SHALL BE ACCESSIBLE

ON THE PROJECT SITE AT ALL TIMES

Prepared by

Principal PC Name

Address,

South Africa

Phone Number

DATE

**Table of Contents**

[1. Scope of work 2](#_Toc252542840)

[2. project and site information 2](#_Toc252542841)

[3. Project site map 4](#_Toc252542842)

[4. responsible personnel 4](#_Toc252542843)

[5. spill risk assessment and spill assessment register 6](#_Toc252542844)

[6. pre-existant contamination 6](#_Toc252542845)

[7. communication and reporting 6](#_Toc252542846)

[8. spill prevention and response methods 8](#_Toc252542847)

[9. Disposal of hazardous wastes 14](#_Toc252542848)

[10. Management Approval 14](#_Toc252542849)

1. **Scope of Works**

(Briefly describe the construction activities that will take place)

1. **Project and site information**

Please describe the following items:

* The site location and boundaries: (include all laydown areas and construction areas)
* The drainage pathways from the site: see Table 1 below (complete Table 1, below).
* Nearby waterways and sensitive areas and their distances from the site: see Table 1 below (complete Table 3, below).

| **Table 1: Drainage Pathways and Nearby Waterways1 and Sensitive Areas2**  Delete lines if not applicable; add lines if more are needed | | |
| --- | --- | --- |
| **Drainage Pathway**  **from Site** | **Receiving Nearby**  **Waterway1 or**  **Sensitive Area2** | **Distance of Receiving Waterway or Sensitive Area from Project Site** |
| (e.g., from laydown area at west end of project to clean storm water drainage) | (e.g., Rivers) | (e.g., 100 metres west of staging area at west end of project) |
| (e.g., from overpass southeast into culvert and then to off site farmland) | (e.g., terrestrial rivers or streams) | (e.g.,300 metres south of overpass) |
|  |  |  |
|  |  |  |

1. **Project site map**

A Project site map, clearly showing each of the following items, is attached (attach such a map):

* Site location and boundaries;
* Site access roads;
* Plant parking areas;
* Hazardous Chemical Substance Stores;
* Refuelling -, workshops- and maintenance areas;
* Localities where hazardous chemical substances are used on a permanent basis;
* Drainage pathways from the site;
* Nearby waterways and sensitive areas, including their distance from hazardous material storage areas/areas of use.
* Hazardous materials, equipment, and decontamination areas (i.e. Potential Spill Sources);
* Pre-existing contamination or contaminant sources described in Section 6 (Pre-Existing Contamination); and
* Location of all Spill prevention and response equipment described in Section 8 (Spill Prevention and Response Methods).

1. **Responsible Personnel**

Table 2 identifies the names, titles, and contact information for the personnel responsible for implementing and updating this SPCC Plan and for responding to spills. Contact information for spill response sub-contractors that will be used to respond to spills (as described in Section 8 (Spill

Prevention and Response Methods) is also included in Table 2. Complete Table 2. Delete lines if not applicable; add lines if more are needed.

| **Table 2: Responsible Personnel** | | |
| --- | --- | --- |
| **Responsibility** | **Name and Title** | **Contact Information** |
| Implementing and Updating SPCC Plan (Primary person) |  | Company:  Office Phone:  Cell Phone: |
| Implementing and Updating SPCC Plan (Secondary Contact) |  | Company:  Office Phone:  Cell Phone: |
| On-Site Spill Responder |  | Company:  Office Phone:  Cell Phone: |
| Site Manager |  | Company:  Office Phone:  Cell Phone: |
| Spill Response Sub-contractor (If applicable) |  | Company:  Office Phone:  Cell Phone: |

1. **Spill Risk Assessment and Spill assessment Register**

(Include a statement that confirms that a Spill Risk Assessment was conducted and that the associated Spill Assessment Register was compiled, and sent to the MPT along with this SPPC-Plan, and that all relevant/appropriate records of conducting the risk assessment are available at the PC’s offices.)

1. **Pre-existing contamination**

* Describe any pre-existing contamination and potential contaminant sources (such as buried pipes or tanks) in your area; and
* Identify equipment and work practices that will be used to mitigate existing contamination and/or prevent further release of this contamination.
* if no pre-existing contamination or potential contaminant sources are present, write “N/A”

Example: Soil contaminated with petroleum products is suspected near the southeast corner of the laydown area. If soil that is suspected of being contaminated is encountered, it will be stockpiled in the vicinity of the excavation for characterization sampling and determination of disposal options. Soil that is suspected of being contaminated will be stockpiled separately from soil showing no indication of contamination. Soil that is suspected of being contaminated will be stockpiled on an impervious surface and will be set up to allow for ease of sampling and load-out once characterization is complete. Stockpiles of suspected contaminated soil will be covered with plastic sheeting when not being worked; stormwater that could run into the base of such stockpiles will be diverted from the area.

1. **Communication and Reporting**

Describe methods of internal and external communication, and mention spill incident register (as part of Environmental Incident Register in terms of data capturing) See section 5.3.6 of this document.

1. **Spill Prevention and response methods**

Give a detailed description of spill prevention and response techniques and methods.

* 1. **Spill Prevention Methods**
* Describe when site inspections are done, and give a brief description of the site inspection procedure. Attach a copy of the inspection checklist to this document
* Attach/describe maintenance schedule of plant/machinery. Indicate where all maintenance materials are stored, and describe how emergency maintenance will be conducted. Include a list of all plant and equipment that cannot be returned to the designated workshop for maintenance and repairs, e.g. cranes and crushers.
* Describe the location of the maintenance/workshop area and define mechanisms in place to prevent pollution.
* Describe/include/reference the refuelling procedure that workers follow when plant or equipment are refuelled on site, as well as the procedure for handling/transporting hazardous chemicals. (If such procedures do not exist, it needs to be developed).
* Describe all storage and secondary containment practices and structures by completing the table below:

|  |  |
| --- | --- |
| **Table 3: Chemical Storage and Containment Information** | |
| **Containment Requirement** | **Description** |
| Number of storage facilities. |  |
| Number of fuelling facilities. | This include stationary facilities as well as mobile facilities, such as trucks and bowsers |
| Are sites bunded and contained on an impervious surface? |  |
| Brief description of storage area |  |
| Material of which drip trays are made |  |
| General description of where and for what purpose drip trays are used. |  |
| Name and describe the location where drip trays are stored. |  |
| Description of security measures for hazardous chemical stores and other spill sources | e.g., the fuelling area will be surrounded by a secured fence, hazardous materials will be stored inside a locked storage facility, equipment will be equipped with locked fuel caps, etc. |
| Description of methods used to prevent storm-water contact | e.g. Hazardous stores will be fitted with a roof, generators will be fitted with a rubber ‘skirt’ to prevent storm-water from filling the drip tray, etc. |

* 1. **TRAINING AND AWARENESS**
* Describe how and when relevant employees will be trained regarding the location and use of the spill kits
* Spill response methods.
* Describe how and when all personnel (including refuelling PCs and Sub-contractors) will be trained in spill prevention, containment, and response in accordance with this SPCC Plan.
* Brief description of training methods
* Training/awareness on waste disposal.

Describe how and when all spill responders will be trained in accordance with Emergency Response.

* 1. **Spill Response**
     1. **Spill Response Equipment**

Spill response kit contents and location(s). See Table 4. Appropriately sized kits will be maintained in close proximity to hazardous materials and equipment and will be immediately accessible to all Project employees. Complete Table 7. Delete lines if not applicable; add lines if more are needed.

| **Table 4 Spill Response Kit Contents and Locations** | | |
| --- | --- | --- |
| **Type of Spill Kit** | **Spill Kit Contents** | **Spill Kit Location(s)** |
| (e.g. vehicle kit, drum kit, spill handling capacity) | (e.g., air horn to get attention of those working nearby, personal protective equipment (PPE, such as safety glasses, gloves, coveralls, boot covers), spill pads, absorbent, booms, catch basin covers, anti-static shovels, garbage bags, plastic sheeting, overpack or disposal drum, complete copy of SPCC Plan, etc.) | (e.g., adjacent to work on bridge ramp, within 100 metres of active construction areas, on all plant and machinery equipment, outside main offices, in laydown area, on mitigation site, below north end of Power Island, etc.) |
|  |  |  |

* + 1. **Spill Response Measures and Method Statement.**

Describe spill response in accordance with section 5.3.4.3 of the Medupi SPCC-Plan document. Outline the response procedures the PCs will follow for the the most prominent potential spill scenarios. The response procedures must ensure that the PCs do everything possible to control and contain hazardous materials until appropriate measures can be taken. The response procedures include a description of the actions that the PCs will take to address the clean-up actions, as well as the specific on-site, spill response equipment that will be used to perform each clean-up action (Remember to reference the SPCC-plan if the Spill Response Procedure etc. are separate documents)

1. **disposal of hazardous wastes**

Describe Methods of disposing of the hazardous waste material resulting from spill clean-up. Make sure to reference the approved Waste Management Plan. Include the licence of the disposal facility that you make use of for the disposal of hazardous wastes.

1. **Management Approval**

This SPCC Plan is supported by management of Principal PC having the authority to commit the necessary resources, including labor, equipment, and materials, to expeditiously control and remove any harmful quantity of hazardous materials spilled or released to the waters or land of Lephalale.

Management Signature

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date Name

Principal Contractor

Engineer Approval

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date Name