**Document history**

ENVIRONMENTAL RISK IDENTIFICATION REPORT FOR

*[Insert Project Title]*

Rev [revision code], [Month YYYY]

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision code** | **Description of changes** | **Purpose of issue** | **Date** |
| Rev A | First Draft | Issue for Review | 06.05.2021 |
| Rev 01.00 | First Issue | Issued for Implementation | 17.06.2021 |
|  |  |  |  |
|  |  |  |  |

**Document approval**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Prepared by** | **Reviewed by** | **Approved by** |
| Name | Salman Alghamdi | Peter Caron | Damien Trinder |
| Job Title | Assessment Specialist | Manager Assessments and Approvals | (Acting) Chief Environmental Officer |

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# Proposal Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposal Details | | | | |
| Proposal Title | |  | | |
| IAP Details (if applicable) | |  | | |
| Applicant Details | | | | |
| Proponent | | | | |
| Company |  | | Department |  |
| Name |  | | Position |  |
| email |  | | Phone |  |
| Primary Contact | | | | |
| Company |  | | Department |  |
| Name |  | | Title |  |
| email |  | | Phone |  |
| Planning/ Design Manager (if Different to Primary Contact) | | | | |
| Company |  | | Department |  |
| Name |  | | Position |  |
| email |  | | Phone |  |

# General Information

Please fill the required information as applicable. Do not leave any item empty, if not applicable insert NA.

**1.1 General Information**

Table 1 Project General Information

|  |  |
| --- | --- |
| **Item** | **Required Information** |
| Type of Project (industrial, agricultural, residential, commercial, tourist, other (specify)) |  |
| New Installation **or** Expansion / Amendment of Existing Development |  |
| Project location (Coordinates), attach location map that includes main project elements including access roads |  |
| Area of Project (m2) |  |

**1.2 Construction Activities**

Table 2 Construction Activities

|  |  |
| --- | --- |
| Date of construction commencement and duration |  |
| Area of Development including access roads |  |
| Description of construction Activities |  |

# Project Description

Please fill the following section to provide a full understanding of the project

**2.1 Key Characteristics of the Project**

**2.2 Purpose of the Project**

**2.3 Major Components**

**2.4 Technologies used (Please attach copies of the descriptive technical reports and catalogs)**

**2.5 Resources Used (Input) during Construction and Operation**

Please fill the below table, do not leave any item empty if not applicable put NA.

Table 3 Resources Used

|  |  |  |
| --- | --- | --- |
| **Inputs** | **Construction (m3/d)** | **Operation (m3/d)** |
| Water for sanitary purposes |  |  |
| Water for industrial purposes |  |  |
| Water for other Purposes (specify) |  |  |
| Energy (Fuel) |  |  |
| Raw materials (producing projects), types and quantities in detail |  |  |
| Other |  |  |

**2.6 Outputs, Emissions and Wastes**

Please fill below table, do not leave any item empty if not applicable put NA. Please use units consistent with relevant KSA standards.

Table 4 Output, Emissions and Waste

|  |  |  |
| --- | --- | --- |
| **Inputs** | **Construction** | **Operation** |
| SO2 to the air |  |  |
| Aerial (suspended particles) to the air |  |  |
| GHG |  |  |
| Other air emissions (specify) |  |  |
| Sanitary drainage water |  |  |
| Industrial drainage water |  |  |
| First Flush drainage |  |  |
| Municipal waste |  |  |
| Industrial Waste |  |  |
| Hazardous Waste |  |  |
| Construction and Demolition Waste |  |  |

**2.7 For Production Projects Only**

Please complete only in the case the application is for production purpose

**2.7.1 Brief description of the products and their production rates:**

**2.7.2 Brief description of the raw materials used, their quantities and sources:**

**2.7.3 Number of workers: production hours: No. of shifts:**

**2.7.4 Brief description of the preparation, operation and production phases (attach additional papers, drawings, technical catalogs and reports, if any):**

**2.8 Specifications of The Stacks (If applicable):**

**2.8.1 Stack Specification Summary**

Table 5 Stack Specifications

|  |  |
| --- | --- |
| **Parameter** | **Quantity** |
| Height (m) |  |
| Diameter (m) |  |
| Gas emission rate (m3/hr) |  |
| Temperature (0C) |  |
| Velocity (m/s) |  |
| Water vapor content % |  |

**2.8.2 Stack Emissions Quality**

Please attach the estimated quality of the all the project stacks emissions, parameters required to be in accordance with the KSA standards.

**2.9 Drainage Outlet Specification**

**2.9.1 Drainage Outlet Specification Summary**

Table 6 Drainage Outlet Specification

|  |  |
| --- | --- |
| **Parameter** | **Quantity** |
| Flow rate (m3/hr) |  |
| Discharge pipe diameter (cm) |  |

**2.9.2 Drainage Water Quality**

NEOM is applying a zero-discharge policy, with only non-contaminated stormwater permitted to discharge directly to the environment in restricted cases.

# Environmental Values

Brief description of the environmental values at the proposed location.

**3.1 Description of Ambient Environment (Baseline Condition)**

Summary of the current status of proposed location of the project which will include: ambient air, soil and groundwater quality.

**3.2 Significant Biological Properties of The Area**

Notably sensitive areas (including fauna, flora, sanctuaries, antiquities, and resort areas - please provide details in other attachments)

# Risk Evaluation Criteria

**4.1 Risk Evaluation**

Please provide a brief summary of the most significant risks and opportunities that the Development presents to key or sensitive receptors and the key treatments intended to reduce risks to ALARP.

Non-significant risks and opportunities and treatments to achieve ALARP shall be presented by attaching the ENVID Hazard Matrix to Appendix A.

# Management and Mitigation

Please provide a management plan that includes all applicable measures to reduce environmental and social risk to ALARP, using NEOM-NEV-TGD-702 - Environmental and Social Codes of Practice For Construction

# Appendix A

**ENVID Hazard Matrix**

Insert or provide under separate cover NEOM ENVID Hazard Matrix