

PRELIMINARY ENVIRONMENTAL REVIEW FORM

NEOM-NEV-FRM-603, Rev 01.00, June 2021

©NEOM [2021]. All rights reserved.

**Document history**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision code** | **Description of changes** | **Purpose of issue** | **Date** |
| Rev A | Draft | Issue for review | 07.08.2020 |
| Rev 01.00 | First Issue | Issued for Implementation | 17.06.2021 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Document approval**

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

Contents

[1 Development Details 4](#_Toc74834388)

[2 Development Description 5](#_Toc74834389)

[**2.1** **Overview** 5](#_Toc74834390)

[**2.2** **Planning & Design** 5](#_Toc74834391)

[**2.3** **Construction** 5](#_Toc74834392)

[**2.4** **Operations** 6](#_Toc74834393)

[**2.5** **Remediation** 7](#_Toc74834394)

[3 Supporting Documents 8](#_Toc74834395)

[4 Existing Environment 9](#_Toc74834396)

[5 Preliminary Threats Analysis 10](#_Toc74834397)

[6 Preliminary Sensitivities Analysis 12](#_Toc74834398)

[7 Preliminary Drivers Narrative 13](#_Toc74834399)

[8 Preliminary Assessment & Recommendations 15](#_Toc74834400)

# Development Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Development Title | | *Insert title here that includes development type* | | |
| Land Use Permit Status | | *State the current status of the LUP for this Development and its reference number.* | | |
| IAP Details (if applicable) | | *Provide details of all associated approved NEOM Environmental & Social Impacts Assessments and Management Plans including, but not limited to:*   1. *Strategic Environmental Assessment (SEA) associated with a Sector Strategy or Structural Plan* 2. *ESIA associated with/within a Masterplan or Major Asset Development* 3. *Overarching ESMP submitted with the SEA or ESIA noted above* 4. *ENVID workshop report associated with the Work to be undertaken under this Plan.*   *For example, if this PER is for the construction of a building within NEOM Industrial City, please provide details (e.g. document name, code and revision) for the ESIA Report, Masterplan ESMP, any associated Compliance Submittals and the relevant ENVID workshop report.* | | |
| 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 |  |

# Development Description

|  |  |  |  |
| --- | --- | --- | --- |
| **Overview** | | | |
| *Identify if the Development is divided into Phases, and a brief description of each phase. Identify which phase(s) this PER relates to and limit all following text to this work only.*  *If crossover works are to occur between phases, e.g. a road that serves all phases, be explicit.* | | | |
| Strategic Context | *Describe the strategic purpose of the Development and its role in NEOM Integrated Strategy and the Saudi Vision 2030 Strategy.* | | |
| Planning Context | *Describe how this Development lies within NEOM Planning Strategy. Refer to Masterplans and SEA if applicable.* | | |
| Expected Construction Start Date | DD/MM/YYYY | Expected Completion | DD/MM/YYYY |
| Related Developments (if applicable) | *List developments that are related to this Development.* | | |
| **Planning & Design** | | | |
| *Define here the current stages planning and design are in with regards overall progress on the Development, inception, detailed design etc.* | | | |
| **Construction** | | | |
| 1. Scope of Construction Works   *Provide a brief description of the construction works and check the work activities being employed. Use the headings and boxes below to provide additional relevant details where relevant.* | | | |
| 1. Site Location and Area   *Provide brief description and coordinates of the site (e.g. corners of development boundary).* | | | |
| 1. Site Area: *XXX.XX* m2 | | | |
| 1. Site Access   *Identify vehicular site access e.g. site access will be from road/highway XXX to XXX. Please describe any new roads that will be constructed to the site. Include if they are temporary or permanent, and the type of road (e.g. asphalt). Please also describe any modifications to existing roads, including junction works.* | | | |
| Personnel and Accommodation  *Define the number of personnel involved with construction and where they reside or are accommodated. Identify how they are expected to travel between residences and the Development. If accommodation is part of the Development, define how many units and types and describe facilities provided.* | | | |
| Demolition, Site Clearance and Earthworks  *Describe any demolition or decommissioning works and earthworks (e.g. cut and fill), vegetation clearance, topsoil removal, material import/export etc. required in preparing the site ahead of construction. Include built-up area (in m2) where applicable.*  *Please note whether hazardous substances or other known risks are present (e.g. fuel tanks, gas pipelines, electrical infrastructure). Describe trenching or other excavation works required.*  *Include how site will be delineated e.g. fencing (length, height).* | | | |
| Blasting and Tunneling  *Describe any boring, blasting or tunneling required during construction. Include estimated quantities of materials removed and where spoil is to be taken.* | | | |
| Drilling, Piling and Construction Works  *Describe construction works including drilling, piling, underpinning etc.* | | | |
| Marine and Coastal Works  *Detail any marine of coastal works including any dredging (capital or maintenance), marine infill and whether the shoreline is to be profiled. Include vessels and plant to be used.* | | | |
| Site & Facility Operations  *Describe the site facilities during construction including site administration; workshops; security; laydown areas; power generation; water supply; plant, vehicles and equipment used. Also include hazardous material storage, refueling etc.*  *Provide a plant, vehicle and equipment schedule.*  *Describe associated facilities including waste treatment, quarries, batching plants etc.* | | | |
| Transport and Logistics  *Describe transport and logistics e.g. for personnel, road haulage, airports, marine shipping etc.* | | | |
| **Operations** | | | |
| 1. Description of the Operational Activities   *Provide a brief overview of the operational aspects of the Development. Use the boxes below box to provide additional relevant details and which operational aspects will apply.* | | | |
| 1. State the expected duration of the operations or activities:  |  |  | | --- | --- | | *XX*Years | *XX*Months | | | | |
| Personnel and Accommodation  *Define the number of personnel involved with operations and where they reside or are accommodated. Identify how they are expected to travel between residences and the Development.*  *If accommodation is part of the Development, define how many units and types and describe the support facilities provided.* | | | |
| Commissioning and Maintenance  *Describe any commissioning required. Describe any routine maintenance expected for the development and whether there are substantial maintenance milestones. Include a schedule.* | | | |
| Infill, Land Build-up, Expansion and Upgrades  *Describe whether there are planned phases for infill, land build-up, or expansion of the development and whether significant upgrades of the facilities, plant or machinery are expected.*  *Include a schedule of the above.* | | | |
| Transport and Logistics  *Describe the transport for personnel, road haulage, airports, marine shipping etc. during operational activities.* | | | |
| **Remediation** | | | |
| *Provide a narrative describing how decommissioning has been considered during the development design and the expected phasing and activities of this program including de-energizing, demolition, material recirculation and site restoration.* | | | |

# Supporting Documents

|  |  |  |
| --- | --- | --- |
| Document | Attached? | Relevant Information |
| Location Map |  | *Provide location figure showing the development footprint and locality within NEOM.* |
| Scope of Works (if applicable) |  | *Attach scope of works document if available.* |
| General Layout |  | *Attach a plan showing the general site layout and key development components.* |
| Schedule |  | *Provide development schedule including for planning, construction, operations and decommissioning.* |
| Environmental Management System Information |  | *Advise of Environmental Management System(s) that apply.* |
| Environmental Baseline Survey Reports |  | *List environmental baseline survey reports that have been conducted for the proposed location and surrounds.* |
| Environmental Management Plans |  | *Identify environmental management plans that have been developed and relate to the development.* |
| Other |  | * *Advise here any details that may be relevant to the environmental assessment of the Development* * *Attach information that could benefit the PER, including figures, diagrams and/or photographs* |

# Existing Environment

|  |
| --- |
| Physical Systems:  *NEOM Environment Department to complete PER form from this point onwards* |
| Ecological Systems: |
| Social Systems: |

# Preliminary Threats Analysis

|  |  |  |
| --- | --- | --- |
| Component/Activity | Development Details | Threat Drivers |
| Design Components |  |  |
| Public Realm, Green Spaces & Landscaping |  |  |
| Power & Communication Systems |  |  |
| Water, Storm-water & Waste-water Systems |  |  |
| Mobility Systems |  |  |
| Buildings & Facilities |  |  |
| Marine & Coastal Structures |  |  |
| Resource Supply & Waste Systems |  |  |
|  |  |  |
| Construction Activities |  |  |
| Land Vehicle Operations |  |  |
| Vessel Operations |  |  |
| Aircraft Operations |  |  |
| Demolition, Site Clearance & Earthworks |  |  |
| Tunneling & Underground Works |  |  |
| Blasting, Drilling, Piling & Construction |  |  |
| Dredging, Marine Infill & Shoreline Profiling |  |  |
| Marine Drilling, Piling & Installation |  |  |
| Site Facility Operations |  |  |
| Commissioning |  |  |
|  |  |  |
| Operational Activities |  |  |
| Land Vehicle Operations |  |  |
| Vessel Operations |  |  |
| Aircraft Operations |  |  |
| Facility Operations |  |  |
| Shutdown & Maintenance |  |  |
|  |  |  |
| Decommissioning Activities |  |  |
| Land Vehicle Operations |  |  |
| Vessel Operations |  |  |
| Aircraft Operations |  |  |
| Facility Shutdown |  |  |
| Demolition, Site Clearance & Earthworks |  |  |
| Marine Decommissioning and Removal |  |  |
| Marine Infill & Shoreline Re-Profiling |  |  |
| Site Rehabilitation |  |  |

# Preliminary Sensitivities Analysis

|  |  |  |
| --- | --- | --- |
| Receptor Category/Group | Receptor Details | Sensitivities |
| Physical Systems |  |  |
| Climate & Weather |  |  |
| Landforms & Seismic Activity |  |  |
| Geology & Lithology |  |  |
| Natural Radioactivity and Toxicity |  |  |
| Hydrogeology & Surface Hydrology |  |  |
| Oceanography & Hydrodynamics |  |  |
| Coastal Processes |  |  |
| Ecological Systems |  |  |
| Ambient Air Quality |  |  |
| Soil Condition & Quality |  |  |
| Ground- and Surface-water Reserves & Quality |  |  |
| Terrestrial Ecosystems & Habitats |  |  |
| Terrestrial Biodiversity |  |  |
| Marine Water Quality |  |  |
| Marine Sediment Quality |  |  |
| Marine Ecosystems & Habitats |  |  |
| Marine Biodiversity |  |  |
|  |  |  |
| Social Systems |  |  |
| Populations & Communities |  |  |
| Cultural Heritage & Archeology |  |  |
| Infrastructure & Buildings |  |  |
| Industry & Commerce |  |  |
| Natural Resources & Agriculture |  |  |
| Mineral Resources |  |  |

# Preliminary Drivers Narrative

|  |
| --- |
|  |
| *Does the Development have a strategy to meet NEOM goals of achieving net positive biodiversity and net climate positive status?* |
| * Provide brief description how these goals have been considered* |
| *Is the Development located within, or adjacent/proximate to, areas with distinctive or important environmental characteristics of the region, e.g. wadis, heritage sites, habitats that are ecologically important or regionally depleted, areas important to protected or notable iconic species.* |
| * If YES, provide brief description and a map* |
| *Is the Development likely to use natural resources such as earth, water, materials, hydrocarbons, or energy, especially any resources which are non-renewable, easily degraded, or are in short supply?* |
| * If YES, provide brief description* |
| *Will the Development potentially involve construction, operation, decommissioning or demolition works that will cause changes to the terrain, topography or vegetation (e.g. land clearing, levelling, excavations), or pollute or change wadis or other significant environmental area or features?* |
| * If YES, provide brief description* |
| *Is the Development likely to involve marine dredging, blasting, drilling or piling activities; result in modification to the seabed, shoreline, or islands or shoals; require the installation of marine structures such as jetties, wharves, marinas or platforms?* |
| * If YES, provide brief description* |
| *Is the Development likely to involve the use, storage, transport, handling or production of substances or materials which would be harmful to human health, to the environment.* |
| * If YES, provide brief description* |
| *Is the Development likely to produce solid or liquid wastes, that are a) potentially harmful to the environment, and/or b) unlikely to be reused or recycled?* |
| * If YES, provide brief description* |
| *Could the Development potentially release pollutants or any hazardous, toxic or noxious substances into the atmosphere, or will it lead to changes in ambient air quality (e.g. dust emissions)?* |
| * If YES, provide brief description* |
| *Is the Development likely to cause noise, vibration, shading, changes in temperature, or potentially release electromagnetic radiation or radionuclides?* |
| * If YES, provide brief description* |
| *Is the Development likely to interact with social values, e.g. altered use, modification or access to lands used by traditional inhabitants (e.g. Bedouin), interactions with local public areas, housing, business or resources used by local residents?* |
| * If YES, provide brief description* |

# Preliminary Assessment & Recommendations

|  |  |  |  |
| --- | --- | --- | --- |
| Preliminary Review Determination | | | |
|  | **Development presents an Unacceptable level of Risk and cannot proceed as currently proposed.** | | |
|  | | | |
|  | **Development presents an Acceptable level of Risk and may proceed subject to the submission and approval of the following documents and the Proponent entering into an Environmental Accord with the NEOM Environment Department.** | | |
| Further Requirements | |  |  |
| Environmental Survey Report | |  |  |
| Event Management Plan | |  |  |
| Environmental Management Plan(s) | |  |  |
| Environmental Management System | |  |  |
| Waste Management Plan | |  |  |
| Other (please specify) | |  |  |
|  | **Development presents an Uncertain Risk but may proceed subject to the outcomes of a Risk Assessment, submitted and approved by the NEOM Environment Department, and the Proponent entering into an Environmental Accord with the NEOM Environment Department.** | | |
| Further Requirements | |  |  |
| ENVID Workshop and Workbook | |  |  |
| Further Environmental Baseline Surveys | |  |  |
| Integrated Development Plan (IDP)\* | |  |  |
| Scoping Workshop & Report\* | |  |  |
| Environmental & Social Impact Assessment | |  |  |
| Modelling or Supporting Studies | |  |  |
| Waste Management Plan | |  |  |
| Environmental Management Plan(s) | |  |  |
| Environmental Emergency Response Plan | |  |  |
| Biodiversity Protection Plan | |  |  |
| Environmental Management System | |  |  |
| Archaeology Chance Find Procedure | |  |  |
| \* Documents arising from the above (please specify) | |  |  |
| Other (please specify) | |  |  |
|  | |  |  |