

Part II - Earthmoving Permit

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Complete this section if the proposed project involves the movement of earth on dry land or within fresh-water and/or marine waterways. Refer to EQPB Regulations Chapter 2401-1 for requirements governing earthmoving operations.

Note: Each of the following questions/requirements has a check box (☐). All YES/NO questions MUST be checked, and all others that apply to the applicant’s project must also be checked.

This form is NOT to be used for residential projects nor agricultural projects; refer to form A-RES or A-AG instead.

1. Check each of the following activities that will be implemented on the proposed project:

<input type="checkbox"/> Clearing and grading	<input type="checkbox"/> Filling of wetlands
<input type="checkbox"/> Excavation on dry land	<input type="checkbox"/> Filling of waterways (marine or freshwater)
<input type="checkbox"/> Filling on dry land	<input type="checkbox"/> Dredging of waterways (marine or freshwater)
<input type="checkbox"/> Quarrying operations	<input type="checkbox"/> Sand mining operations

2. Attach two (2) hard copies and twelve (12) electronic copy of the project EA. Refer to the EQPB document “Guide to Permits” for more information on EA requirements. EQPB regulations require the submission of an Environmental Impact Assessment (EIA or EA) for most earthmoving Permit applications. The Board will make a determination as to whether an EA or an EIS is required for each Permit application. Applicant is advised that while not required, the submission of an EA with the initial application will in most cases expedite the Permit application review process.

3. Attach two (2) copies and one (1) electronic copy of the project Erosion and Sediment Control Plan (ESCP). Refer to pages 4 and 5 of this section for more information on ESCP requirements. Applicant must submit an ESCP with the completed application; see pages 3 and 4 of this section for ESCP requirements.

4. For proposed projects involving fill operations, provide a description of the source of fill material and the location of the stockpiling area, if any.

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5. For proposed projects involving excavation, dredging, quarrying or sand mining operations, provide a description of the location at which material will be stockpiled and the manner in which the material will be transported off site.
6. For projects involving dredging for fill material or sand mining operations in areas where activities of this kind have not been previously performed, identify the nearest location where such activity has occurred in the past and the reason why this existing location is not being utilized.
7. YES NO Will the proposed earthmoving operations result in the alteration or destruction of any areas containing coral, such as reefs? If YES, attach a typewritten description of measures that will be undertaken to minimize/mitigate reef destruction.
8. YES NO Will the proposed earthmoving operations result in the alteration or destruction of any mangrove areas, wetlands, rivers or streams? If YES, attach a typewritten description of measures that will be undertaken to minimize/mitigate destruction.

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Erosion and Sediment Control Plan (ESCP) Requirements:

Improper implementation of earthmoving activities can lead to accelerated erosion and sedimentation at the project site and in adjacent areas, damaging Palau's fragile environment. In order to prevent this, EQPB requires that all earthmoving projects fully implement an approved Erosion and Sediment Control Plan (ESCP). The regulations governing ESCP requirements are contained in §2401-1-04 through §2401-1-13 of the Republic of Palau EQPB Regulations (24PNCA).

The ESCP must be prepared by a person having training in and experience with erosion and sedimentation control techniques. Incomplete ESCPs will require revision and resubmission, delaying the Permit application review process. To avoid this delay, the person preparing the ESCP should consult with EQPB staff to ensure that the material being prepared is appropriate and complete prior to submission.

Following is a summary of the regulations governing ESCP submittals. The applicant and person preparing the ESCP should review EQPB regulations before beginning preparation of the ESCP.

Check boxes () are to be filled out by applicant when the requirements for each item are completed. All items are required.

1. Project Description. The ESCP shall contain a typewritten, detailed narrative description of the project. The description shall include the following:

- An attached copy of a property map for the area on which the project will be implemented. The map must be approved by the Bureau of Lands and Survey (BLS).
- An attached copy of documentation of land use rights – Lease Agreement, Certificate of Ownership or other.
- Detailed description of all earthmoving activities, including pre and post construction works.
- Description should include the purpose of the earthmoving activities, scale, location and duration.

2. Plans and Elevations. The ESCP shall contain detailed site plans and elevations that describe the proposed earthmoving activities as follows:

- Detailed topographic plans of the site that show the existing topography and the final topography after earthmoving operations are completed. Separate plans showing each phase must be submitted if the earthmoving activities are to be performed in phases.
- All temporary and permanent erosion control devices that will be utilized on the site for the project must be shown clearly on the plans and elevations. Drainage patterns for the site and contributing areas for the various erosion control devices must also be clearly indicated.
- Plans must show the different soil types present on the site.
- A minimum of two detailed elevations: one longitudinal section and one transverse section of the site. Indicate initial existing elevations as well as final elevations after earthmoving activities are completed.
- A detailed listing of the erosion control devices (e.g. silt fences, drainage channels, berms, sedimentation ponds, etc.) that will be utilized during the project. Listing should include typical details with approximate dimensions as appropriate.
- An indication on the plans and elevations as to the manner in which the proposed earthmoving activities will proceed.
- All existing structures and those that will be constructed in the course of the project must be shown on the plans.

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Erosion and Sediment Control Plan (ESCP) Requirements:

3. Construction Schedule.

- The ESCP shall contain a general schedule showing the sequencing of earthmoving work, as well as estimated dates of completion that can be referenced to the anticipated date of permit approval.

4. Calculations and Specifications. The ESCP shall contain the bases for sizing and location of erosion control devices on site, as follows:

- Submit legible calculations supporting the sizing and location of erosion control devices such as channels, sedimentation ponds, culverts, silt fences, etc. Runoff calculations shall be based on the drainage patterns and contributing areas indicated on the plans and elevations required above.
- Submit specifications or cut sheets for manufactured erosion control devices such as silt fences and silt curtains showing that these devices are appropriate for use on the project.

5. Erosion Control Devices Maintenance Schedule.

- The ESCP shall contain a typewritten schedule of maintenance for erosion control devices to be utilized on site. Indicate on the schedule the manner in which the devices will be maintained (e.g. cleaning out of sedimentation ponds with excavator on a weekly basis), as well as the manner in which accumulated sediment will be disposed.
- Submit a description of procedures that will be implemented in the event of severe weather (e.g. typhoons) in order to minimize the probability of failure of erosion control devices that will be utilized on site.

6. Environmental Assessment Recommendations.

- Applicant shall list all recommendations made by the environmental consultant (these are usually contained at the end of the EA) pertaining to the minimization or mitigation of damage to the environment as a result of this project, along with the manner in which the applicant intends to implement these recommendations. If the applicant does not intend to follow the recommendation, then this should be clearly stated. Provide any necessary documentation to show the implementation procedure, such as a plan for water quality monitoring.