

IMS Standard 3.08 Tailing Management

1 Purpose

OTML has approval to discharge tailing to a tributary of the Ok Tedi and that approval requires the development of a series of plans to manage the environmental risk of riverine tailings discharge. This standard sets the minimum OTML requirements for management of tailing so as to comply with its legal obligations.

2 Scope

This Standard is applicable to management of tailing at the Folomian Mill.

3 Standard

3.1 Legal Requirement

- 3.1.1 OTML will manage tailing in a manner that complies with the Ok Tedi Environmental Management Act, 2019 (OTEMA) and the associated Ok Tedi Permit.

3.2 Management Plans

- 3.2.1 The Ok Tedi Permit requires that tailing disposed to the riverine system must, at the end of each quarter, satisfy a quarterly mean less than -30 kg H₂SO₄/t Net Acid Production Plan (NAPP) target and a quarterly mean less than 1.0% sulfur target to control Acid Rock Drainage (ARD) risk in the receiving environment, including the Bige dredge spoil stockpiles.
- 3.2.2 The Ok Tedi Permit mandates the development of a Tailing Management Plan that satisfies the requirements set out in the Permit. Since limestone is required to achieve the NAPP target, a specific Limestone Management Plan is required under the Ok Tedi Permit to ensure that sufficient limestone is scheduled to be added to the mill feed to satisfy the NAPP target at 3.2.1.
- 3.2.3 Therefore, to manage tailing disposal, OTML shall develop and implement the:
- Tailing Management Plan as approved by the Director of the PNG Environment Conservation Protection Authority (CEPA). (*Ok Tedi Permit Conditions 34 to 36*)

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- Limestone Management Plan as approved by the Director of CEPA. (*Ok Tedi Permit Conditions 17 to 19*)

3.2.4 The Tailing Management Plan describes the requirements that the processing plant must achieve to discharge tailings to the riverine environment to satisfy the Ok Tedi Permit.

3.2.5 The Limestone Management Plan describes the requirements that are needed to ensure that sufficient limestone of appropriate quality is supplied to the processing plant to satisfy the NAPP target in quarterly mean tailings chemistry summarised in 3.2.1.

3.3 Monitoring

3.3.1 OTML shall develop and implement an Environment Monitoring Plan to meet the monitoring requirements of the Ok Tedi Permit including those relating to tailing discharge.

3.4 Compliance

3.4.1 Implementation of the Tailing Management Plan, the Limestone Management Plan and the Environment Monitoring Plan will ensure that OTML satisfies its legal obligations under the OTEMA regarding riverine waste disposal of tailings and associated monitoring and reporting requirements.

4 References:

Description	Author
<i>Ok Tedi Environmental Management Act</i>	PNG Government
<i>Ok Tedi Permit</i>	PNG Government
<i>OTML-IMS-PLAN-3.02 Limestone Management Plan</i>	OTML
<i>OTML-IMS-PLAN-3.04 Tailing Management Plan</i>	OTML
<i>OTML-IMS-PLAN-3.05 Dredge Spoil Management Plan</i>	OTML
<i>OTML-IMS-PLAN-3.07 Environment Monitoring Plan</i>	OTML

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