

IMS Standard 3.15 Dredge Spoil Management

1 Purpose

OTML has approvals to dredge sand from the Ok Tedi at Bige and to store those sands in engineered stockpiles on the East and West banks of the Ok Tedi. Additionally OTML has approval to permanently place pyrite concentrate produced by the processing plant in pits developed on the West bank at Bige. This standard sets the minimum OTML requirements for management of the dredged sand stockpiles and pyrite concentrate pits so as to comply with its legal obligations.

2 Scope

This Standard is applicable to management of pyrite concentrate placed at Bige, and the dredging of river sands and construction of dredge spoil stockpiles at Bige.

3 Standard

3.1 Legal Requirement

- 3.1.1 OTML will manage pyrite concentrate and dredged river sands in a manner that complies with the Ok Tedi Environmental Management Act, 2019 (OTEMA) and the associated Ok Tedi Permit (OTP).

3.2 Management Plans

- 3.2.1 The construction of dredge spoil stockpiles and associated pyrite concentrate storage pits in a manner that complies with the Ok Tedi Permit requires the successful implementation of four inter-related plans: the Waste Rock Management Plan; the Tailing Management Plan; the Limestone Management Plan and the Dredge Spoil Management Plan.
- 3.2.2 The Ok Tedi Permit requires OTML to develop and implement the:
- Dredge Spoil Management Plan as approved by the Director of CEPA. (*Ok Tedi Permit Conditions 49 to 52*)
 - Tailing Management Plan as approved by the Director of the PNG Environment Conservation Protection Authority (CEPA). (*Ok Tedi Permit Conditions 34 to 36*)
 - Limestone Management Plan as approved by the Director of CEPA. (*Ok Tedi Permit Conditions 17 to 19*)

Document No & Title:	OTML-IMS-STD-3.15 – Dredge Spoil Management Standard				
Document Owner:	Musje Werror – GM External Relations	Issue Date:	08/10/2019	Version No:	V01
Approved By:	Peter Graham – MD & CEO	Review Frequency:	3 Years	Valid Until Date:	08/10/2022
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- Waste Rock Management Plan as approved by the Director of the PNG Conservation Environment Protection Authority (CEPA) (*Ok Tedi Permit Conditions 20 to 22*).

3.2.3 Implementation of the Waste Rock Management Plan, the Tailing Management Plan and the Limestone Management Plan will ensure that the chemistry of dredged material is non-acid forming and hence suitable for development of rehabilitatable stockpile surfaces.

3.2.4 The Tailing Management Plan and the Dredge Spoil Management Plan describe the requirements regarding the production and storage of pyrite concentrate at Bige.

3.2.5 The Dredge Spoil Management Plan describes the design of the pyrite concentrate pits and the dredge spoil stockpiles.

3.3 Rehabilitation

3.3.1 OTML shall rehabilitate final stockpile surfaces as they are completed. The rehabilitation requirements are described in the Mine Area Rehabilitation Plan.

3.4 Monitoring

3.4.1 OTML shall develop and implement an Environment Monitoring Plan to meet the monitoring requirements of the Ok Tedi Permit including those relating to dredge spoil and pyrite concentrate storage.

3.5 Compliance

3.5.1 Implementation of the six plans (the Waste Rock Management Plan; the Tailing Management Plan; the Limestone Management Plan; the Dredge Spoil Management Plan, the Environment Monitoring Plan and the Mine Area Rehabilitation Plan) will ensure that OTML satisfies its legal obligations regarding the storage of pyrite concentrate at Bige, the construction and rehabilitation of the dredge spoil stockpiles and associated monitoring and reporting requirements.

4 References:

Description	Author
<i>Ok Tedi Environmental Management Act</i>	PNG Government
<i>Environment Permit</i>	PNG Government
<i>OTML-IMS-PLAN-3.04 Tailing Management Plan</i>	OTML

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OTML-IMS-PLAN-3.05 Bige Dredge Spoil Management Plan	OTML
OTML-IMS-PLAN-3.03 Waste Rock Management Plan	OTML
OTML-IMS-PLAN-3.02 Limestone Management Plan	
OTML-IMS-PLAN-3.07 Environment Monitoring Plan	OTML
OTML Mine Area Rehabilitation Plan (2016)	OTML

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