



The Copper Mark Summary Report

Site Information

Name of the Site	Takehara Refinery
Unique identifier provided by the Copper Mark	S016
Address	1-5-1 Shiomachi, Takehara, Hiroshima
Country of Operation	Japan
Products produced on site. (e.g., concentrate, anodes, cathodes, sulphuric acid, slag, etc.)	Lead EMK-T + E-Pb
Metals produced on site. (e.g., copper, gold, nickel, silver, molybdenum)	Lead, Gold, Silver,
Metals included in scope. (This must be all, or a sub-set of the metals produced on site)	Lead
Metals covered by other independent assessments for Criterion 31 (e.g., RMAP, LBMA, RJC, etc.)	NA
Types of operations included in scope	
Mining	<input type="checkbox"/>
Concentrate blending	<input type="checkbox"/>
Solvent extraction and electrowinning	<input checked="" type="checkbox"/>
Smelting	<input checked="" type="checkbox"/>
Refining	<input checked="" type="checkbox"/>
Other (<i>please explain</i>)	
Infrastructure owned or controlled by the site and included in scope	
Roads	<input checked="" type="checkbox"/>

Rails	<input type="checkbox"/>
Ports	<input type="checkbox"/>
Other (<i>please explain</i>)	

Equivalency Check

Upon receiving the pre-assessment checklist, the Copper Mark did a review of equivalent certificates and third-party assurances.

The following equivalent systems were applied:

Equivalent systems are determined by the Copper Mark to have standards and assurance requirements that are materially comparable in scope and intent to those of the Copper Mark, in accordance with the [Copper Mark Recognition Process](#).

Equivalent System	Review Process	Criteria Covered by Equivalency
NA	NA	NA

Independent Site Assessment Information

Name of the Lead Assessor	Chen Huang
Name of the Assessment Firm (if applicable)	KPMG AZSA Sustainability Co., Ltd.
Date(s) of Assessment Activities (dd/mm/yyyy – dd/mm/yyyy)	24 October 2023 (Headquarters); 31 October 2023 (Takehara)
Assessment Period	1 October 2022 – 30 September 2023
Summary of the Assessment Methodology	<p>The assessment was conducted in accordance with ISO 19011:2018. The assessors first discussed and prepared the JDDS assessment programme for the assessment, which included objectives, risks identified and actions to address them, scope of assessment, assessment period, schedule, criteria, and team members. The assessment procedures mostly consisted of a documentation review prior to site visits to the Company headquarters and Takehara Refinery, site visits to the Company headquarters and Takehara Refinery, and a review of the Company's 'Step 5 Report'.</p> <p>Takehara Refinery is part of Mitsui Mining & Smelting Co., Ltd. (hereinafter "MMS"). MMS has developed and implements the supply chain due diligence system.</p>
Summary of the Assessment Activities	Auditors procedures mainly consisted of 1) reviews of documents (e.g. policies and internal procedures) and records (e.g. training records and collected KYC questionnaires) that the Company prepared; 2) interviews of personnel at the Company headquarters and Takehara; 3) a site tour conducted at Takehara to understand

	where received material is weighed, sampled, accepted and stored as well as the whole production process; and 4) a review of Takehara’s Step 5 report from a perspective of whether it met Joint Due Diligence Standard for Copper, Lead, Nickel and Zinc Version 2 requirements.
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Summary of Findings

Criteria	Rating	Comments
1. Management System	Fully meets	<p>Takehara Refinery’s due diligence system is managed at corporate level by Mitsui Mining & Smelting Co., Ltd (“MMS”).</p> <p>Takehara Refinery sources crude lead with 69% from mined material and 31% recycled material. Mined material is sourced from Japan-based suppliers. Recycled material is sourced from domestic and international companies.</p> <p>MMS has a supply chain policy aligned with the requirements available here.</p> <p>The policy is supported by a mineral raw material supply chain due diligence manual, training to relevant employees, and communication to suppliers.</p> <p>At the corporate level, the Senior General Manager of Metals Sector, a Board Director, is appointed as Compliance Officer. The responsibilities and authorities of the Compliance Officer are stipulated in the manual and supported by adequate resources.</p> <p>Management annually evaluates the performance of supply chain due diligence and records it. There is an established grievance mechanism to allow any employee or external stakeholder to anonymously raise concerns.</p> <p>An opportunity for improvement was identified:</p> <ul style="list-style-type: none"> MMS has not incorporated within contracts or agreements with immediate suppliers the requirement for them to provide data required to conduct risk assessments for supply chains where red flags are identified. <p>This was confirmed through interviews with management; interviews with personnel; a facility walkthrough; and a review of documents including the policy, manual, grievance mechanism, training records, and records such as results of internal audits.</p>

2. Red Flag Identification Process	Fully meets	<p>MMS has established a process appropriate for collecting the necessary information and identifying potential red flags.</p> <p>KYC is conducted on suppliers of mined and recycled material through a KYC questionnaire and third-party sources including supplier websites, the Ministry of Finance's sanctions list, SDN List, UK Consolidated List of Targets, Consolidated List of Persons, Groups and Entities subject to EU Financial Sanctions.</p> <p>The person in charge of raw material management visually checks and records the identification of mined material and recycled material at the time of receiving and confirms whether there is any discrepancy between what is received and information on accompanied documents.</p> <p>There is a documented process to identify CAHRAs including credible resources to cover governance, conflict, and human rights elements. MMS uses the CAHRAs identification sheet to record the selection criteria and results. This process is consistently applied.</p> <p>No red flags were identified during the assessment period.</p>
3. Risk Assessment Process	Not applicable	No red flags were confirmed.
4. Risk Management Process	Not applicable	No red flags were confirmed.
5. Public Reporting	Fully meets	<p>MMS's report for Takehara Refinery is consistent with information and evidence obtained at the MMS Head Office and Takehara Refinery.</p> <p>The report is available here.</p>

Conclusions

Performance Determination	
The site is found to fully meet the conformance criteria of the Joint Due Diligence Standard for Copper, Lead, Nickel and Zinc (Joint Due Diligence Standard).	<input checked="" type="checkbox"/>
The site is found to fully meet or partially meet the conformance criteria of the Joint Due Diligence Standard and has committed	<input type="checkbox"/>

to continuous improvement at the site to fully meet the conformance criteria by 2 October 2024.	
The site is found to miss some or all of the conformance criteria of the Joint Due Diligence Standard and has committed to continuous improvement at the site to fully meet all conformance criteria by 2 October 2024.	<input type="checkbox"/>
The site misses some or all of the conformance criteria of the Joint Due Diligence Standard and has not committed to continuous improvement.	<input type="checkbox"/>
Limitations:	
Additional comments:	

Assurance Process Information

Date of Performance Determination (dd/mm/yyyy)	30 November 2023
Re-assessment Due Date (dd/mm/yyyy)	29 November 2026