
St Ives Gold Mining

International Cyanide Management Code (ICMC)

Corrective Action Plan Completion Report

GBS Consulting

2 June 2025

Audit Details

Operation: St Ives Gold Mine (SIGM)
Name of Mine Owner: Goldfields Australia Limited
Company: St Ives Gold Mining Company (Pty)
Responsible Person: Paul Miskell, Processing Manager
Contact Telephone: +61 8 9088 1791
Audit Site Visit Dates: 26 - 30 August 2024

Auditor Information

Audit Company: GBS Consulting Pty Ltd
Lead Auditor and Primary contact: Greg Smith
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Telephone: +61 418 971 967



2 June 25

Signature of Lead Auditor

Date

St Ives Gold Mine

Name of Mine



Signature of Lead Auditor

2 June 2025

Date

1. Introduction

In August 2024, St Ives Gold Mine (SIGM) underwent its fourth re-certification audit. Following finalization of the assessment of all relevant data and inspections on 28 November 2024, SIGM was found to be in Substantial Compliance with Standards of Practice 4.4 and 7.3. A Corrective Action Plan was subsequently developed with a requirement for six months of compliant documentation with a proposed completion date of 28 May 2025.

2. Verification of Corrective Action Plan Implementation

SIGM provided documentation to GBS Consulting on 30 May 2025 to address deficiencies identified in the CAP and verify full compliance with standards of practice (4.4 and 7.3). A review of the documentation provided was undertaken by GBS Consulting in June 2025 and the results of this review are provided in Table 1.

This review found that SIGM has fully implemented the required actions contained within the CAP and is now assessed to be fully compliant with the International Cyanide Management Code (ICMC)

St Ives Gold Mine

Name of Mine



Signature of Lead Auditor

2 June 2025

Date

Table 1. Correction Action Plan – Verification of Completion

Deficiency	Corrective Actions	Evidence Observed	Compliance Status																
<p>Standard of Practice: 4.4 Implement measures to protect birds, other wildlife and livestock from adverse effects of cyanide process solutions.</p> <p>4.4.2 Can the operation demonstrate that the cyanide concentration in open water in Tailings Storage Facilities (TSF), leach facilities and ponds does not exceed 50 mg/l Weak Acid Dissociable (WAD) cyanide?</p> <p>4.4.3 Is maintaining a WAD cyanide concentration of 50 mg/l or less in open water effective in preventing significant wildlife mortality?</p>																			
<p>SIGM operates with alternative compliance measures for Standard of Practice 4.4 with hypersalinity providing a protective mechanism against wildlife cyanosis within the Tailings Storage Facilities (TSF) and Process Water Pond. Site specific operating parameters for SIGM are provided in the table below.</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Maximum WAD CN (mg/L)</th><th>WAD CN - 80th percentile (mg/L)</th><th>Minimum TDS (mg/L)</th></tr> </thead> <tbody> <tr> <td>Spigot</td><td>132</td><td>112</td><td>50,000</td></tr> <tr> <td>Supernatant</td><td>65</td><td>N/A</td><td>50,000</td></tr> <tr> <td>Process Water Pond</td><td>65</td><td>N/A</td><td>50,000</td></tr> </tbody> </table> <p>On eight days the cyanide concentration was above 65 mg/L WAD CN at the Process Water Pond. These</p>	Parameter	Maximum WAD CN (mg/L)	WAD CN - 80 th percentile (mg/L)	Minimum TDS (mg/L)	Spigot	132	112	50,000	Supernatant	65	N/A	50,000	Process Water Pond	65	N/A	50,000	<p>Maintain cyanide and salinity operating parameters at the TSF and Process Water Pond for a period of six months from 28 November 2024.</p>	<p>A spreadsheet containing Weak Acid Dissociable (WAD) cyanide and salinity data that demonstrates compliance with operating parameters at the TSF and Process Water Pond on a daily basis was provided for six months from 28 November 2024 to 28 May 2025.</p> <p>The highest WAD cyanide value at the TSF spigot was 109.5 mg/L.</p> <p>The highest WAD cyanide value within the TSF Supernatant (Decant) was 59.5 mg/L.</p> <p>The highest WAD cyanide value within the Process Water Pond was 59.2 mg/L.</p>	<p>Full Compliance</p>
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<p>exceedances are considered to be a systematic deficiency despite the small number of incidents (eight) as they resulted from a control logic programmed into the Supervisory Control and Data Acquisition (SCADA) system, were not identified at the time and effective remedial actions were not carried out in a suitable time frame</p>		<p>All samples which had a WAD cyanide of greater than 50 mg/L had a salinity reading of greater than 50 000 mg/L Total Dissolved Solids (TDS). Only three samples from the Process Water Pond had salinities of below 50 000 mg/L TDS and these all had WAD cyanide readings of below 10 mg/L WAD cyanide.</p> <p>Samples were not taken on six days at the spigot during the six-month CAP period due to the mill being shutdown and no tailings being discharged. Samples were taken on all days at the TSAF supernatant and Process water Pond during the CAP period.</p>	
<p>Wildlife Monitoring was not conducted at the Process Water Pond (PWP) between 28 September 2023 and 8 March 2024 (150 days) which is a deficiency. This was mostly concurrent with the period that cyanide monitoring was not conducted at the PWP. Wildlife monitoring has been conducted daily since it was recommenced on 9 March 2024 which is a period of approximately 5.5 months to 15 August 2024 (the last date data was provided). The Wildlife Monitoring Spreadsheet does not provide clear details of how</p>	<p>Maintain Wildlife Observations at the TSF and Process Water Pond for a period of six months from 28 November 2024 and clearly provide monitoring information for the PWP in the Wildlife Monitoring Spreadsheet.</p>	<p>A spreadsheet containing wildlife monitoring data has been provided and demonstrates wildlife monitoring has been conducted at the TSF and Process Water Pond on a daily basis for six months from 28 November 2024. Review the Wildlife Monitoring data</p>	<p>Full Compliance</p>

long the Process Water Pond was monitored for or if wildlife was observed there.		includes separate lines on each day for the TSF and PWP to clarify that the Process Water Pond has been monitored and to record any wildlife observed. Wildlife monitoring was conducted on all days during the 6-month CAP period.	
Standard of Practice: 7.3 Designate appropriate personnel and commit necessary equipment and resources for emergency response 7.3.1: Do the cyanide-related elements of the Emergency Response Plan: g) Include procedures to inspect emergency response equipment to ensure its availability?			
It was identified during a Gap Audit in December 2022 that the ERT inspection records for 2022 were incomplete and that this was as a deficiency. Many hardcopies of equipment inspection records had either been lost or not scanned into the electronic storage system. Gaps within the documented records for Emergency Response Team (ERT) inspections were still evident during 2024.	Conduct all scheduled ERT inspections and retain all documentation for a period of six months from 28 November 2024.	Completed ERT inspections for the CAP period were provided along with an inspection compliance tracking sheet. Documentation was verified and demonstrated that inspections are occurring at the required frequency, are documented and that records are retained.	Full Compliance