

**FORM OF ANNUAL MONITORING REPORT**

**ENVIRONMENTAL AND SOCIAL PERFORMANCE**

**ANNUAL MONITORING REPORT (AMR)**

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**Redstone  
South Africa  
Project # [34050]**

REPORTING PERIOD: (month/year) through (month/year)

AMR COMPLETION DATE: (day/month/year)

***[C&P: ACWA Power to please advise of any comments on this form.]***

## **The Annual Monitoring Report**

The Project is required to prepare a comprehensive Annual Monitoring Report ("AMR") for the Company facilities and operations. This document comprises the preferred format for environmental and social performance reporting. The AMR informs the Environment and Social Development Department about the environmental and social state of the investment.

### **Preparation Instructions**

The following points should assist you in completing this form. Please be descriptive in your responses and attach additional information as needed.

- The Senior Finance Documents requires the Borrower's personnel to complete and submit annual environmental and social monitoring reports in compliance with this 0.
- The Borrower must report qualitative and quantitative project performance data each year of the investment for the environmental and social monitoring parameters included in this report format.
- The main purpose of completing this form is to provide information in sufficient detail for evaluation of environmental performance in relation to:
  1. National laws and regulations of South Africa;
  2. IFC Policy and Performance Standards on Social and Environmental Sustainability;
  3. IFC Environmental, Health and Safety General Guidelines (EHS) and EHS Guidelines for Airlines;
  4. The Environmental and Social Review Summary;
  5. The Senior Finance Documents; and
  6. Progress on implementing the Corrective Action Plan (CAP) agreed with the Senior Finance Parties (if applicable)
- Provide information in summary form and enclose environmental reports if applicable. For any areas that do not meet agreed-upon performance levels, describe actions and timetable for bringing the project into compliance.
- Information reported previously need only be referenced.
- Return the completed report to the Facility Agent and IFC by the dates specified in the Common Terms Agreement.
- Please note that the term "environment" includes workplace and community health and safety.

### **Specialist Contact Information**

If you have any questions regarding the AMR or wish to discuss completion of the AMR please contact the following Investment Officer or Environmental Specialist (with a copy to the Facility Agent):

<b>INVESTMENT OFFICER</b>	NAME: RICHARD WARUGONGO
	TELEPHONE NUMBER: +27 11 731 3150
	EMAIL:

<b>PORTFOLIO MANAGER</b>	NAME:
	TELEPHONE NUMBER:
	EMAIL:

## 1 Environmental and Social Management

### 1.1 AMR Preparer

<b>TO BE COMPLETED BY THE BORROWER'S AUTHORISED REPRESENTATIVE</b>	NAME AND TITLE:
	PHONE:
	FAX:
	EMAIL:
<b>BORROWER INFORMATION</b>	OFFICE PHYSICAL ADDRESS:
	WEB PAGE ADDRESS:

I certify that the data contained in this AMR [ materially represents the Borrower's operations during this reporting period]. *[C&P: Does ACWA Power want to seek to soften this (somewhat demanding) certification requirement?]* I further certify that analytical data summaries<sup>1</sup> incorporated in Section 6 are based upon data collected and analysed in a manner consistent with IFC's *Environmental Health and Safety General Guidelines where ever practicable* .

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Employee Name

Signature

### 1.2 Environmental Responsibility Chart

*Please name the individuals in the company who hold responsibility for environmental and social performance (e.g. Environment Manager, Occupational Health and Safety Manager, Economic Development Officer, Community Relations Manager) and give their contact information (Name, Address, Telephone Number, Fax Number, E-mail Address).*

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<sup>1</sup> Raw analytical data upon which summaries are based may not be submitted with this AMR but must be preserved by the Company and presented to the Senior Lenders upon demand.

### 1.3 Summary of Current Operations

Select the current status of the project and provide a brief description of the developments in relation to the project over the reporting period. For example, has construction been started or completed, has new equipment been installed, has production capacity increased, or is the investment in new projects considered?

Design       Construction       Expansion       Operation       Closure       Other  
(specify)

Please provide details on the status of the following voluntary Management systems certification schemes at your facility, provide details below?

	Not being considered	Future consideration	Planning to implement	Currently Implementing	Successfully implemented	Date of certification / re-certification
ISO 9001 - Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ISO 14001 - Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OHSAS 18001 - OHS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other – Food Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Please provide copies of any certification, e.g. ISO 14001 and/or OHSAS 18001, Food Safety etc.

*Describe significant changes in the company, such as changes in contracted services that may affect environmental performance. Describe any management initiatives (e.g. ISO 14001, ISO 9001, OHSAS 18001, or equivalent Quality, Environmental and Occupational Health and Safety certifications).*

*Describe any material changes in the organisational structure to manage environment, health and safety, labor and social aspects during the reporting period. Describe number of personnel in charge of E&S issues.*

*During the reporting period, are you aware of any events that may have caused significant damage; brought about lost time injuries or fatalities or other occupational chronic health problems; attracted the attention and grievances of outside parties; affected project labor or*

*adjacent populations; affected cultural property; or created material liabilities for your company?  
Provide details.*

*Describe any ongoing public consultation and disclosure, liaison with non-governmental organisations (NGOs), civil society, local communities or public relations efforts on environmental and social aspects.*

*Briefly describe, if any, new initiatives implemented during the reporting period or additional managerial efforts on E&S aspects (e.g. Energy/water savings, sustainability report, waste minimisation, etc)*

*Briefly describe, if any, the number and type of comments and/or grievances received by the Borrower in relation to E&S issues? How many have been resolved and how many are pending? (Please attach a table with grievance redress registry)*

*How are feedback/grievances from stakeholders handled? If a register of complaints is kept, please attach.*

*Describe the level of environmental, social and health and safety training provided to staff on social and environmental management systems. Provide an annex summarising the topics, hours of training and number of participants.*

## **2 Labor relations & Occupational health and safety performance (OHS)**

*Borrower personnel are required to monitor, record, and report any material issues pertaining to employee or contractor labor relations as well as occupational health and safety incidents and workplace conditions (air quality and physical parameters that are potentially affected by industrial processes) throughout the reporting period.*

### **2.1 National Regulatory Compliance**

*Please list any reports submitted to South African authorities related to labor grievances, OHS, fire and safety inspections, compliance monitoring, emergency exercises, as well as comments received and corrective actions taken. South African authority monitoring and inspections with subsequent corrective actions taken shall also be summarised and reported.*

*Please report any labor actions (e.g., work stoppages, strikes, demonstrations, etc.) taken by employees or contract workers during the reporting period and what actions were taken by the Borrower to respond to those actions.*

*Is there an employee grievance mechanism in place? If so, please provide the register of complaints/grievances and how these were resolved. Is this mechanism also applied to contractor's employees?*

*If any of the information requested in the AMR (Section 2.2 ) is contained in reports sent to South African authorities, please submit the applicable section of the report.*

## 2.2 Human resources, accommodation and facilities

*Have you changed your Human Resources (HR) policies, procedures or working conditions during the reporting period?*

Yes       No      *Provide details*

*How many direct employees are drawn from the region/Province?*

*Number of expatriates working on site over the reporting period? What is the average contract length? Are skills being transferred to local employees?*

*Provide labour accommodation plans (once-off) and their adherence to the IFC/EBRD Guidance on Worker's Accommodation: Process and Standards (August 2009)*

*How is occupational health and safety managed within contractors?*

*How many contractor employees are drawn from local sources?*

*Is an HIV awareness and management program in place? Give a summary of how this was implemented in the reporting year.*

## 2.3 Incident Statistics Monitoring (OHS)

*Please report on incidents during the reporting year for the Project. [Contractor employees are required to adhere to comparable occupational health and safety standards. If the Project uses contractor employees, please also report any contractor employee incidents.] [C&P: ENS to please note. Project contracts will presumably need to include obligation on contractor to report contractor employee incidents.] Expand or shrink the tables as needed.*

**1. Total Amounts**

REPORT TOTAL NUMBERS FOR EACH PARAMETER	This reporting period		Reporting period- 1 year ago		Reporting period- 2 years ago	
	Borrower employees	Contractor employees	Borrower employees	Contractor employees	Borrower employees	Contractor employees
Employees						
Man-hours worked						
Fatalities						
Non-fatal lost time injuries <sup>2</sup>						
Lost workdays <sup>3</sup>						
Vehicle collisions <sup>4</sup>						
Incidence <sup>5</sup>						

**2. Fatality details for this reporting period**

Borrower employees or contractor employees?	Time of death after accident (e.g. immediate, within a month, within a year)	Cause of fatality	<i>Corrective measures to prevent reoccurrence</i>

**3. Non-fatal injuries details for this reporting period (Project statistics)**

<sup>2</sup> Incapacity to work for at least one full workday beyond the day on which the accident or illness occurred.

<sup>3</sup> Lost workdays are the number of workdays (consecutive or not) beyond the date of injury or onset of illness that the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

<sup>4</sup> Vehicle Collision: When a vehicle (device used to transport people or things) collides (comes together with violent force) with another vehicle or inanimate or animate object(s) and results in injury (other than the need for First Aid) or death.

<sup>5</sup> Calculate incidence using the following equation: incidence= total lost workdays/ 100,000 man-hours worked.

Use the total lost workdays to calculate the incidence for this reporting period, reporting periods 1 year ago and 2 years ago, as required above.

Borrower employees or contractor employees?	Total workdays lost	Description of injury	Cause of accident	Corrective measures to prevent reoccurrence

**4. Vehicle collision details for this reporting period (Project statistics)**

Borrower employees or contractor employees?	Cause of collision	<i>Corrective measures to prevent reoccurrence</i>

**5. Training<sup>6</sup> for this reporting period (Project statistics)**

Borrower employees or contractor employees?	Description of training	Number of employees that attended

**3 Pollution control and waste management**

*Provide the following environmental monitoring data for this reporting period. If you already have all the data requested available in another format, this can be submitted instead. Please provide a scaled facility map showing the precise locations of all monitoring points.*

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<sup>6</sup> Project personnel should be trained in environmental, health and safety matters including accident prevention, safe lifting practices, the use of Material Safety Data Sheets (MSDS), safe chemical handling practices, proper control and maintenance of equipment and facilities, emergency response, personal protective equipment (PEP), emergency response, etc.



*If any of the EHS guidelines or local regulatory limits are exceeded please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.*

Utility Type		Units	Total
			<b>Redstone</b>
Grid electricity	MWh		
Natural Gas	m <sup>3</sup>		
Diesel	L		
Other fuel (specify)	L		
Water*	m <sup>3</sup>		

*\*Provide the annual consumption figures (in L or m<sup>3</sup>) of water – groundwater (boreholes, if applicable) and surface water (river or dam water)*

### **3.1 Effluents and Wastes**

*Provide summary of effluent and waste disposal monitoring. Give details of the wastes that were generated (volumes or weight in kgs or tons), how they were stored, handled and disposed. Describe how health related waste is handled, stored, disposed; and give details of training given to personnel on the handling of waste including sharps from the clinic, sanitary items, and pharmaceuticals. If waste is incinerated or disposed by a third party, give details.*

*Submit laboratory data indicating that the sewerage treatment plant discharge complies with the World Bank Group (WBG) Environmental, Health and Safety (EHS) Guideline*

*Comment on compliance status with applicable requirements.*

### **3.2 Hazardous materials**

*Provide a hazardous materials plan which includes inventories, procedures for handling/storage/use of hazardous materials; protection; document management (permits, or other regulatory requirements), labeling and proper disposal processes.*

### 3.3 Noise and Emissions Control

Report compliance of operations and maintenance with applicable noise and fuel efficiency/emissions controls as appropriate.

### 3.4 GHG Emissions and water consumption

Provide an account of annual CO<sub>2</sub> emissions from operations, including generators.

Provide the annual CO<sub>2</sub> emissions avoided (if applicable).

### 3.5 Biodiversity Monitoring

Provide a summary of the biodiversity monitoring program, any significant findings and corrective actions for the year. In particular, bird and bat monitoring reports or summaries to be attached.

## 4 Community

### 4.1 Life and Fire Safety

Please complete the following table for the Project's operations.

Project Fire Safety Verification Activities	Mandatory Frequency	Date(s) Performed	Observed Deficiencies <sup>7</sup>	Corrective Actions and Schedule For Implementation <sup>8</sup>
Fire Drills	Minimum: three (3)/year			
Inspect and certify fire detection and suppression electrical and mechanical systems.	Minimum: one (1)/year			
Inspect, refill/recharge portable fire extinguisher	Minimum: two (2) inspections/year			

<sup>7</sup> Attach additional sheets as needed to fully describe observed deficiencies.

<sup>8</sup> Attach additional sheets as needed to fully describe corrective actions and implementation.

## 4.2 Other emergency incidents

Date of Incident	Type of Incident	Brief Description of Incident	Fatalities? (Y/N)	# of Fatalities	Preventive measures taken after the incident

*Attach the corporate Emergency Preparedness Plan.*

## 4.3 Pest management and control

*Please provide the types of pesticides that you may use, [the contract of the license provider (if applicable)] or if self-managed the measures you have in place to safely receive, store, mix, apply and dispose of empty containers. [C&P: ENS to please note requirement to report on contractor information here and in 4.4 below. Presumably corresponding reporting requirements should be added to relevant project documents.]*

## 4.4 Food safety

*Give a status report on the implementation of the food safety system aligned with national standards and HACCP [in the contractor documentation for the external service provider].*

## 4.5 New initiatives

*Using the table below list and briefly describe any new initiatives implemented in relation to community health and safety during the reporting period. Include risk assessments, new infrastructure and equipment; hazardous materials and safety management, transportation and exposure to disease.*

Mitigation Measure	Expected or actual date of Implementation	Planned future mitigation efforts?

*During the reporting period any emergency drills have been conducted with community participation? Are the communities aware of the emergency response plans?*