

APPENDIX 3.1.1
CURRENT I&AP DATA BASE

Name & Surname	Position	Company	Telephone	Fax	Cell	Email	Postal Address	Physical Address
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APPENDIX 3.1.2

PROOF OF SUBMISSION – APPLICATION FORMS

MPUMALANGA PROVINCIAL GOVERNMENT

Building No. 4
No. 7 Government Boulevard
Riverside Park Extension 2
Nelspruit
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South Africa



Private Bag X 11215
Nelspruit, 1200
Tel: 013 766 4004
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Department of Economic Development, Environment and Tourism

Litiko Letekutfutukiswa
Kwetemnalfo, Simondzwo neleku Vakasha

Umngango WezokuThuthukiswa
KoMnotho, iBhoduluko nezamaVakajho

Departement van Ekonomiese
Ontwikkeling, Omgewing en Toerisme

Enquiries: Selape Lentswana, Cnr Rosmead & Ryna Str, Kilfontein Witbank, 1035, Tel: 013 692 7934
Email: ismatawana@mpg.gov.za
Reference: 17/2/3N-386

Attn: JMA Consulting (Pty) Ltd
Riaan Grobbelaar
P.O.BOX 883
Dalmas
2210

Fax no: 013 665 2364

Dear Madam,

APPLICATION FOR ENVIRONMENTAL AUTHORISATION: THE PROPOSED FERROMENTALS A BUSINESS UNIT OF SAMANCOR CHROME LIMITED THE DECOMMISSIONING AND REHABILITATION OF THREE HISTORICAL SLIMES DAMS FOOTPRINTS AT THE FERROMENTALS OPERATION, LOCATED WITHIN THE BOUNDARIES OF THE EMALAHLENI LOCAL MUNICIPALITY.

The Department confirms having received the application form for environmental authorisation of the abovementioned project on 12 August 2014. The application is hereby accepted, and you may proceed with Basic Assessment Report process required in terms of the Environmental Impact Assessment Regulations, 2010.

The application has been assigned the reference number 17/2/3N-386. Kindly quote this reference number in any future correspondence in respect of the application and in all methods of notification used during the public participation process.

The responsible officer is Selape Lentswana and all correspondence must be directed to: The Deputy Director, Environmental Impact Management, Nkangala District Office, marked for the attention of the responsible officer.

Please note that in terms of the provisions of Regulation 67, this application will lapse if the applicant fails for a period of 6 months to comply with a requirement of the EIA Regulations, 2010, or if reasons for failure to comply are not communicated in writing to and accepted by this Department.

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours faithfully

DATE: 2014/08/28

MS. DINEO TSWAI
DEPUTY DIRECTOR





DELIVERED BY HAND

12/08/2014

Department of Economic Development, Environment and Tourism (DEDET)
P O Box 383
EMALAHLENI
1035

ATTENTION: MARTHA MESHWENI

RE: SAMANCOR CHROME LTD. – FERROMETALS OPERATIONS

**PROPOSED DECOMMISSIONING AND CLOSURE OF THREE (3) HISTORICAL SLIMES
DISPOSAL FACILITIES AT FERROMETALS OPERATION, EMALAHLENI**

ACKNOWLEDGEMENT OF RECEIPT


Receipt of the:


- Application as contained in the Environmental Impact Assessment Regulations published on 18 June 2010 (GNR 544 – Basic Assessment).

is hereby acknowledged **(1 HARD COPY)**.

Delivered by:

Received by:


Kobus du Plessis
JMA Consulting (Pty) Ltd


NAME:
For and on behalf of DEDET

Date: 12/08/2014
Time: 12:20

Date: 12/08/2014
Time: 12:25



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

**Private Bag X 447, PRETORIA, 0001 Erf 1563 Arcadia Ext. 6 Cnr Soutpansberg and Steve Biko Road,
Arcadia, Pretoria**

Ref No.: 12/9/11/L44116/6

Enquiries: Mr Lucas Mahlangu

Tel: (012) 399 9791 **Email:** lmahlangu@environment.gov.za

www.environment.gov.za

JMA Consulting (Pty) Ltd
P O Box 993
Delmas
2210

Fax No: (013) 665 2364
Email: riaan@jmaconsult.co.za

Attention: Riaan Grobbelaar

APPLICATION FOR A WASTE MANAGEMENT LICENCE IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (NO. 59 OF 2008): PROPOSED DECOMMISSIONING OF THREE HISTORICAL SLIMES DISPOSAL FACILITIES AT FERROMETALS OPERATION, MPUMALANGA PROVINCE.

The Department confirms having received waste licence application form for the above-mentioned activity on 14 August 2014.

You are hereby reminded to comply with the requirement: **Regulations 67 of GN No. R543** with regard to the period allowed for complying with the requirements of the regulations, and **Regulations 56 and 57 of GN No. R543** with regard to the allowance of a commenting period for interested and affected parties on all reports submitted.

Your application has been assigned with a reference number **(12/9/11/L144116/6)**. Kindly quote this reference number in any future correspondence in respect of your application. The responsible officer for the processing of your application is Ms Malepo Phoshoko who can be contacted on (012) 399 9779.

Please draw the applicant's attention to the fact that the activity must not commence prior to a waste license being granted by the department.

Should you require further detailed information, please do not hesitate to contact this office.

Yours sincerely

Mr Mark Gordon

Deputy Director-General: Chemicals and Waste Management

Letter signed by: Mr. Lucas Mahlangu

Designation: Control Environmental Officer Grade B: Systems Management

Date: 20/4/09/17



DELIVERED BY HAND

12/08/2014

Department of Environment Affairs (DEA)
Private Bag X447
Pretoria
0001

ATTENTION: MR. LUCAS MAHLANGU

RE: SAMANCOR CHROME LTD. – FERROMETALS OPERATIONS

PROPOSED DECOMMISSIONING AND CLOSURE OF THREE (3) HISTORICAL SLIMES
DISPOSAL FACILITIES AT FERROMETALS OPERATION, EMALAHLENI


ACKNOWLEDGEMENT OF RECEIPT

Receipt of the:

- Waste Licence Application for the above project in hereby acknowledged (**1 HARD COPY**).

Delivered by:

Received by:


Kobus du Plessis
JMA Consulting (Pty) Ltd


NAME: 
For and on behalf of DEA

Date: 13/08/2014

Date: 13-08-2014

Time: 15:22

Time: 15:21

APPENDIX 3.1.3

MINUTES – MEETING WITH DWS



SAMANCOR CHROME LIMITED FERROMETALS

PRE-APPLICATION CONSULTATION MEETING WITH THE DEPARTMENT OF WATER AND SANITATION – CIVIL ENGINEERING

NEW STORM WATER/PROCESS WATER FACILITIES WATER USE LICENCE AMENDMENT AND NEW WATER USE APPLICATIONS (Licence No: 04/B11K/709)

CLOSURE OF OLD SLIMES FACILITIES WASTE LICENSE APPLICATION (DEA Ref: 12/9/11/L44116/6)

CLOSURE OF OLD SLIMES FACILITIES BASIC ASSESSMENT APPLICATION (DEDET Ref: 17/2/3N-386)

13 NOVEMBER 2014 @ 08:00 – 09:00

Pre-Application Consultation Meeting with the Department of Water and Sanitation

Meeting Number: 1

Venue: Sedibeng Building - Pretoria

Date: 13 November 2014

Time: 08:00 – 09:00

MINUTES

1. Opening and Welcome.

Present:

- | | |
|---------------------------|--|
| - Riaan Grobbelaar (RG) – | JMA Consulting (Pty) Ltd |
| - DP Van Der Merwe (DP) – | REDCO |
| - Pierre Du Toit (PdT) - | Inprocon |
| - Prenisha Chetty (PC) – | Ferrometals (representing the Applicant) |
| - Kelvin Legge (KL) - | Department of Water and Sanitation |
| - Keith Mnisi (KM) - | Department of Water and Sanitation |
| - Wilna Moolman (WM) - | Department of Water and Sanitation |
| - Michelle Parker (MP) - | Department of Water and Sanitation |

2. Attendance Register.

- Completed and Signed. Attached as Annexure I.

3. Site History and Regional Setting.

- RG commenced with the Presentation, which included a description of the site history, regional setting of the site as well as a description of the site infrastructure and processes involved on site. The company name and properties were described. A copy of the presentation is attached as Annexure II.
- RG further presented the environmental setting (Surface Water (Olifants River Catchment; B11K quaternary, Geology (Karoo Sequence – Ecca Formation) and Ground Water (perched aquifer vs shallow weathered aquifer)) from a regional and local perspective.

4. Historical Slimes Facilities

- RG indicated that the 3 historical slimes disposal facilities are currently not in operation. These facilities are not defined as water uses in terms of Section 21(g) of the National Water Act and should be omitted from the licence. Two of the facilities will however be rehabilitated (includes shaping, capping, re-soiling and re-vegetation) in terms of the Waste License Application submitted to the DEA (National Environmental Management Waste Act 59 of 2008). One facility at the Stores will be excavated ($\pm 5800\text{m}^3$) and incorporated with the Southern Slimes Facility). These facilities will be fully rehabilitated and will not be used in the future. It was also indicated that the feasibility of removing the material completely from the site and disposing it at an off-site facility is also currently being investigated.
- PdT to discuss the capping design approach and methodology.
- PdT discuss the capping liner proposed and indicated that this will be similar for both facilities.

In the absence of a required base barrier the proposed capping detail consists from top to bottom of:

- 450mm topsoil layer;
- 2mm Flexible membrane (FML);
- Geosynthetic Clay Layer (GCL) and
- 150mm capillary break and drainage layer (proposed that slag material is used).

The 450mm thick soil acts as protection layer but most importantly as weight to ensure intimate contact between the FML and the GCL.

- KL & KM discussed the capping and indicated that the proposed design is acceptable and will recommend it for approval.

5. Storm Water Designs

- RG provided an overview of the existing operations the new Process Water and Storm Water facilities (Pollution Control Dams). In total 5 PCDs is proposed. Three (3) will be

Process Water Facilities and two (2) will contain storm water runoff. None of the facilities is seen as Dams with a Safety Risk. All facilities are designed with sediment traps and a spillway with a spillway depth of 1m.

- PC referenced previous meetings regarding the construction of an additional or temporary facility and indicated that the designs of the facility have been upgrade to a double composite liner system and the current indication from DWS is that such a facility cannot be constructed before it is authorized. This to avoid the current Process Water Dam from overflowing as it did in the past and recently.

The meeting indicated that a formal notification letter to the DG of the Department of Water and Sanitation and the Department of Environmental Affairs indicating that Ferrometals will construct the additional Dam as part of the reasonable measures whilst the Water Use License Application are being reviewed and finalized.

- DP presented the Process Water facilities liner system. The proposed composite liner system is the same for all three (3) process water facilities (PCD 3, 5 and 6 (existing facility to be upgraded)). The liner system consists of the following:

Layer 1: 2mm HDPE geomembrane - Primary liner

Layer 2: 300mm Ballast layer of soil or clay (*must be free of rocks, stones and other sharp objects and have a maximum particle size of 10mm*)

Layer 3: Geosynthetic Clay Liner (GCL) - Secondary liner

Layer 4: Cuspated HDPE drainage layer

Layer 5: Bidim A4 Geotextile

Layer 6: 2mm HDPE geomembrane - Tertiary liner

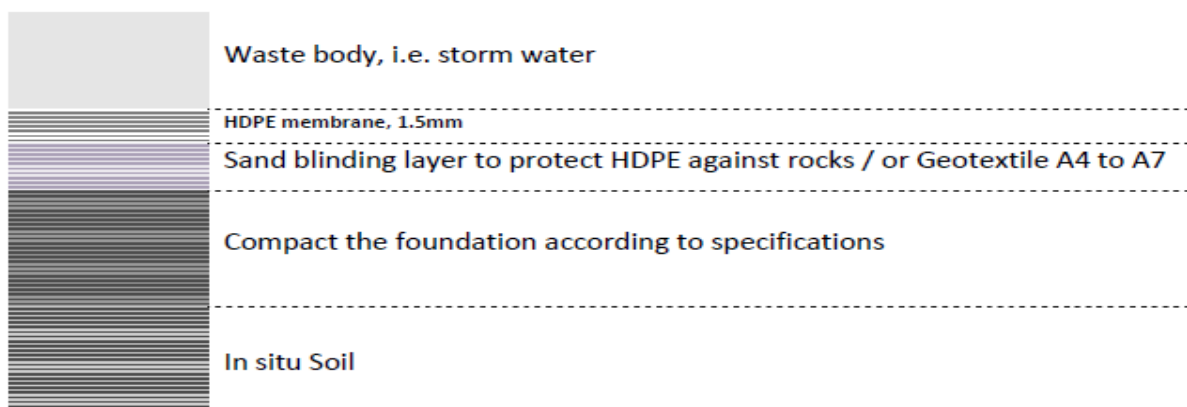
Layer 7: 150mm compacted clay layer

Layer 8: 150mm Base preparation layer

Layer 9: Compacted insitu soil

- KL & KM discussed the proposed liner system and suggested that Layer 2 (*300mm Ballast layer of soil or clay (must be free of rocks, stones and other sharp objects and have a maximum particle size of 10mm)*) be removed and a fine sand layer be added at the top.

- DP presented the Storm Water facilities liner system. The proposed liner system is the same for both the Storm Water facilities (PCD 2 and 4). The liner system consists of the following:



- KL & KM discussed the proposed liner system and suggested that the second layer (Sand blinding layer / or Geotextile A4) be removed from the design.
- KL & KM indicate the designs will be recommended for approval.

6. General.


Documentation submitted:

- 1 Hard Copy of the Final Storm Water Design Report (REDCO – September 2014)
- 1 Hard Copy of the Closure Design for the Historical Slimes Facilities (Inprocon August 2013)
- See submission acknowledgement in Annexure III.

7. Closing

- Meeting finished at 08:55

Minutes recorded by:


Riaan Grobbelaar (Pr.Sci.Nat)

ANNEXURE I

ATTENDANCE REGISTER





JMA Consulting (Pty) Ltd

15 Vickers Street
 Delmas
 P O Box 883
 Delmas, 2210
 Tel (013) 665 1788
 Fax (013) 665 2364

Sustainable Environmental Solutions through integrated Science and Engineering

ATTENDANCE REGISTER

PROJECT :		VENUE :					
CAPPING DESIGN (Historical Slimes Facilities) & DESIGNS FOR THE PROCESS WATER & STORM WATER CONTAINMENT FACILITIES		DWS Engineering Services at the Sedibeng building room 501, Francis Baard Street (Schoeman Street) 185, Pretoria					
Nr	Name	Representing	Postal Address	Fax number	Contact Details	E-mail address	Sign
1	R Grobbelaar	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 452 1231	riaan@jmaconsult.co.za	
2	K. Mnisi	DWS			Tel: 012 326 8944 Cell:	mnisi.k@dwa.gov.za	
3	DP v.d. MERWE	REXCO	BOX 19214 NOORDOORLE 2522	056-8115335	Tel: 056-8115335 Cell: 082 908 1428	dp@redcoservices.org	
4	Prenisha Chetty	SAMANTHRA Chrome-facilities	Private Bay *1222, WINDHOLE 1035	043	Tel: 013 643 7438 Cell: 012 575 2457	prenisha.chetty@samantora.com	
5	KELVIN LEGGIE	DWS	71045 X 313 PRETORIA	—	Tel: 012 336 8667 Cell:	leggie.k@dwa.gov.za	
6	Michaëla Pankon	DWS	11	—	Tel: 012 336 8232 Cell:	panker@dwa.gov.za	
7	Wilma Moolman	DWS	11	0866206582	Tel: 012 236 7557 Cell: 082 804 2530	moosman@dwa.gov.za	
8	Pierre du Toit	Imphocun	Box 1286 Windgate Park	0866507615	Tel: 012 993 2423 Cell: 0836593471	pierre@imphocun.co.za	
9					Tel: Cell:		
10					Tel: Cell:		



ANNEXURE II

PRESENTATION
13 November 2014





**SAMANCOR CHROME LIMITED
FERROMETALS**

**PRE-APPLICATION CONSULTATION MEETING WITH
THE DEPARTMENT OF WATER AND SANITATION –
CIVIL ENGINEERING**

WATER USE LICENCE AMENDMENT AND NEW WATER USE APPLICATIONS

(Licence No: 04/B11K/709)

WASTE LICENSE APPLICATION

(DEA Ref: 12/9/11/L44116/6)

BASIC ASSESSMENT APPLICATION

(DEDET Ref: 17/2/3N-386)

DEPARTMENT OF WATER AND SANITATION

SEDIBENG BUILDING - PRETORIA OFFICE

13 NOVEMBER 2014 @ 08:00 – 09:00

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PROJECT TEAM



JMA Consulting (Pty) Ltd
Sustainable Environmental Solutions
through
Integrated Science and Engineering
Tel: (015) 665 1788

Riaan Grobbelaar (Pr.Sci.Nat.)
Reg. No. 400066/01

**CAPPING DESIGN
HISTORICAL SLIMES FACILITIES**



Pierre Du Toit (Pr.Eng.)
Reg. No. 860635

**STORM WATER
DETAIL DESIGNS**



DP van der Merwe (Pr.Eng.)
Reg. No. 990132

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Site Overview



>Ferrometals is situated in Emalahleni (formerly called Witbank), Mpumalanga, and operates six charge chrome furnaces, (4 open and 2 closed), one metal extraction plant and an Intermediate Carbon Ferrochrome converter.

>In addition, a Pellet and Sintering Plant converts fine ore and UG2 (Upper Group 2 layer of the Rustenburg Layered Suite) into sintered pellets for use in the furnaces.

>The plant was established in 1959 with an expected life in excess of 25 years.

>No mining operations take place at Ferrometals. All raw material is sourced externally.

- The 2 major waste streams generated at Ferrometals are:

- Slag (has been delisted for usage on tar roads as well as in cement and brick making),
- Slimes.



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Site Layout



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Name of Water User



Name of Company	Samancor Chrome Limited
Trading Name	FERROMETALS – A Division of Samancor Chrome Limited
Registration Number	1926/008883/06
Date Established	1926/12/22
Country Established	South Africa
VAT Registration Number	4680101393
Physical Address	1 Moses Kotane Drive Ferrobank Emalahleni Mpumalanga 1035
Contact Person	Elie Wheel
Telephone Number	(013) 693 7205
Fax/telex Number	(013) 696 2800
Email Address	elie.wheel@samancorcr.com
Postal Address	Private Bag 27228 Emalahleni 1035

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Delineated Properties



Property Name	Deed of Transfer	Deeds Office	Registration Date	Property Size (ha)
Removable Estate of Portion 3 (a portion of portion 3) of the Farm Deedsheet 297, Registration Division 25	T 3922/93	Freehold	25/05/1993	21,906
Removable Estate of Portion 5 (a portion of portion 2) of the Farm Deedsheet 297, Registration Division 25	T 3922/93	Freehold	25/05/1993	62,7613
Portion 12 (a portion of portion 2) of the Farm Deedsheet 297, Registration Division 25	T 3922/93	Freehold	25/05/1993	15,7623
Portion 13 (a portion of portion 2) of the Farm Deedsheet 297, Registration Division 25	T 3922/93	Freehold	25/05/1993	1,4902
Portion 21 (a portion of portion 2) of the Farm Deedsheet 297, Registration Division 25	T 3922/93	Freehold	25/05/1993	12,7741

- 5 Properties
- Held Under Title Deed (T 39220/93)
- Registration Date – 25 May 1993
- Total Property Area - 370.592 ha
- Zoning Status – "Industrial 2"
- 1 Owner - Samancor Chrome Limited

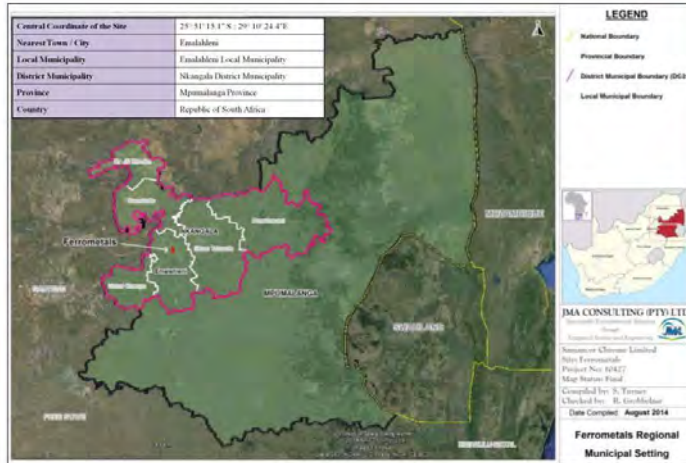


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Regional Municipal Setting

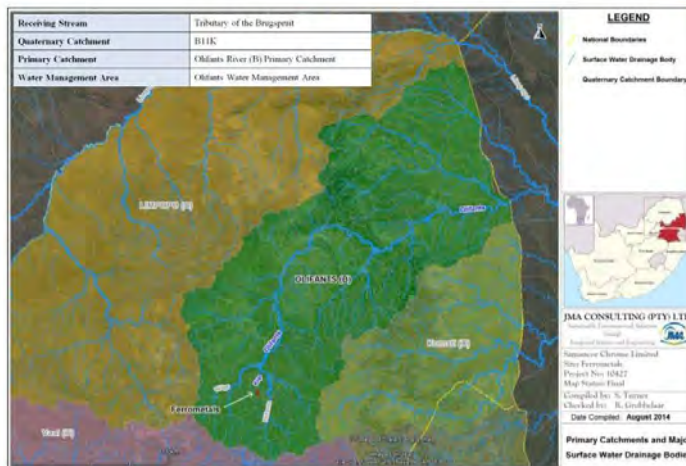


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Surface Water Catchments

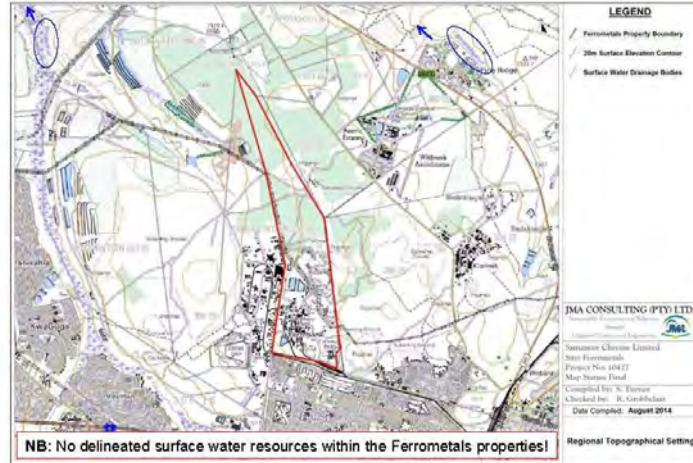


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Surface Water Drainage

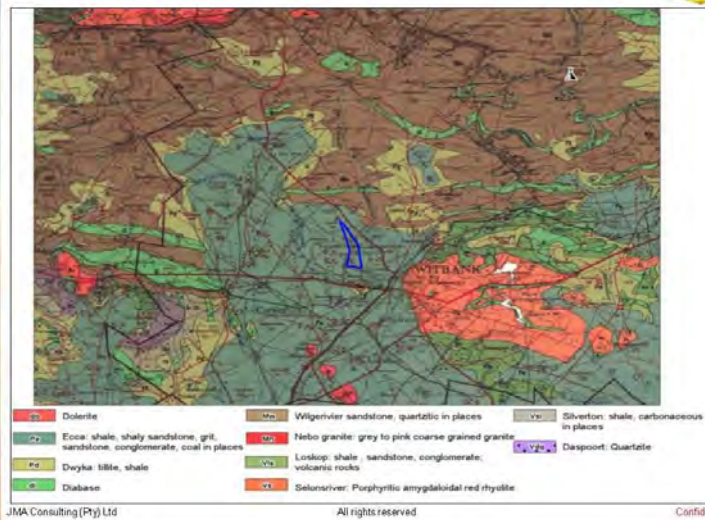


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REGIONAL AND LOCAL GEOLOGY

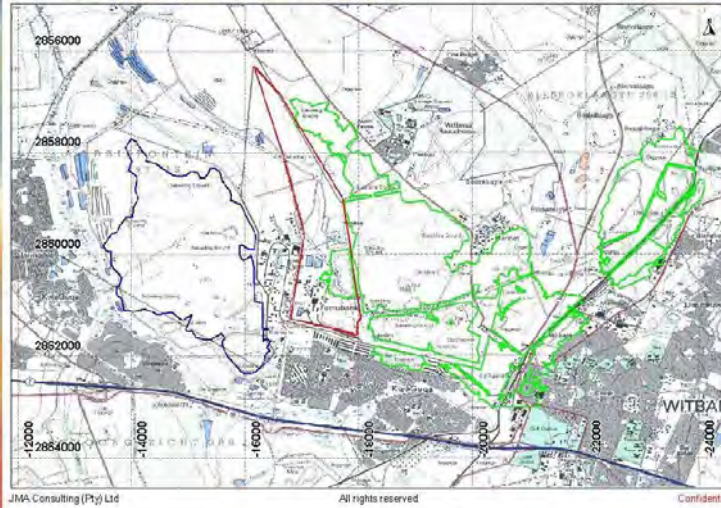


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HISTORIAC COAL MINING



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Waste Disposal (current & Historical) / Water Management Facilities

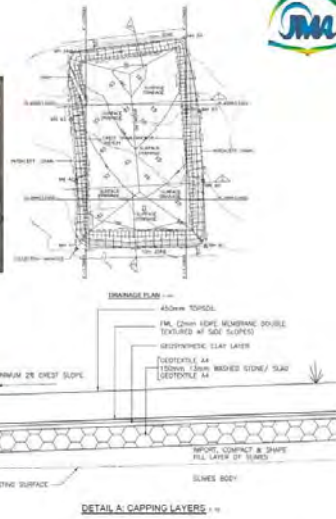


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Eastern Slimes Facility



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Defined Water Uses at Ferrometals



- LEGEND**
- Water Treatment Facility
 - Water Management Facility
 - Management Area Boundary
 - Existing Water Use
 - Proposed New Water Use
- Section 21(g) of the Act: disposing of waste in a manner which may detrimentally impact on a water resource.
 - Reworked slag Dum (existing)
 - Northern Slimes Dam (existing)
 - New Slimes Dam (new – still to be commissioned)
 - Process Water Dam PCD6 (upgraded)
 - Storm Water Dam PCD2 (new – still to be commissioned)
 - Process Water Dam PCD3 (new – still to be commissioned)
 - Storm Water Dam PCD4 (new – still to be commissioned)
 - Process Water Dam PCD5 (new – still to be commissioned)
 - Dust Suppression on the Internal Access Roads (existing)
- EXISTING WATER USE**

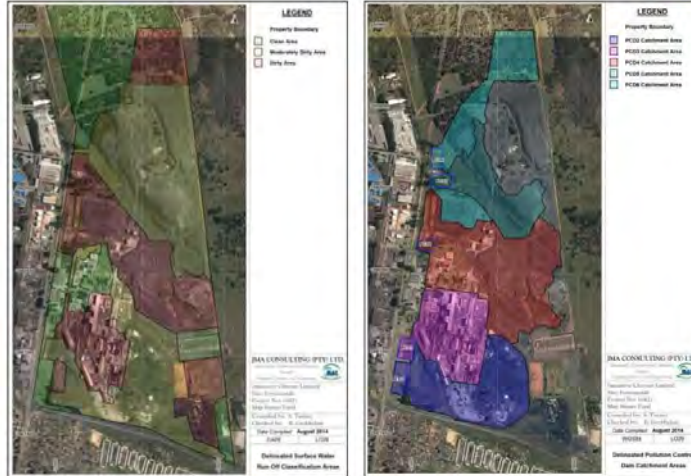


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Surface Water Catchment Areas

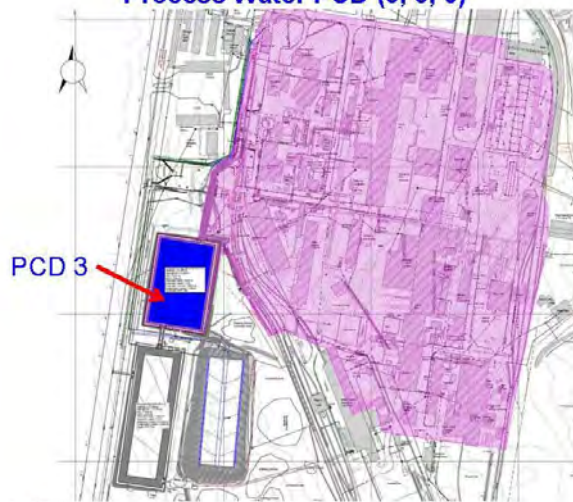


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Process Water PCD (3, 5, 6)



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Process Water (PCD 3)



Aspect	Specifications
Capacity	21,400 m ³
Embankment height (outside)	0.6 m
Water surface @ FSL	8,200 m ²
FSL	1537.4 mamsl
NOC	1538.4 mamsl
Excavation depth	4.3 m
Excavation volume	29,600 m ³
Embankment volume	700 m ³
Liner system	Composite liner: HDPE thickness = 2.0mm and Geosynthetic Clay Liner (GCL) with cusped drainage layer Compacted foundation layers Geotextile A4
Spillway width	3 m
Spillway depth	1 m
Footprint	± 140 m x 90 m

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Process Water PCD 5



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PCD 5



Aspect	Specifications
Capacity	8,700 m ³
Embankment height (outside)	3.5 m
Water surface @ FSL	3,300 m ²
FSL	1538.8 mamsl
NOC	1540.0 mamsl
Excavation depth	3.5 m
Excavation volume	7,200 m ³
Embankment volume	3,700 m ³
Liner system	Composite liner: HDPE thickness = 2.0mm and Geosynthetic Clay Liner (GCL) with cusped drainage layer Compacted foundation layers Geotextile A4 Underdrain system to lower water table
Spillway width	2 m
Spillway depth	1 m
Footprint	± 70 m x 90 m

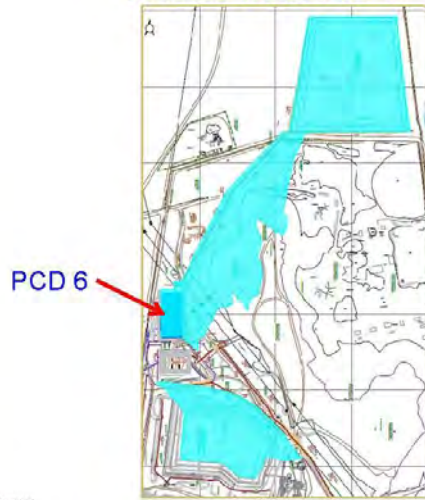
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Process Water PCD 6



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PCD 6



Aspect	Specifications
Capacity	16,500 m ³
Embankment height (outside)	1.8 m
Water surface @ FSL	7,130 m ²
FSL	1536.2 mamsl
NOC	1538.0 mamsl
Excavation depth	5.0 m
Excavation volume	3,400 m ³
Embankment volume	1,900 m ³
Liner system	Composite liner: HDPE thickness = 2.0mm and Geosynthetic Clay Liner (GCL) with cusped drainage layer Compacted foundation layers Geotextile A4 Underdrain system to lower water table
Spillway width	2 m
Spillway depth	1 m
Footprint	± 140 m x 80 m

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Storm Water / PCD (2 & 4)



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PCD 2 (Storm Water Containment Facility)

Aspect	Specifications
Capacity	27,000 m ³
Embankment height (outside)	2.6 m
Water surface @ FSL	10,000 m ²
FSL	1536.6 mamsl
NOC	1537.6 mamsl
Excavation depth	3.5 m
Excavation volume	32,000 m ³
Embankment volume	3,000 m ³
Liner system	Single HDPE liner; thickness = 1.5mm Compacted foundation layers Geotextile A4
Spillway width	3 m
Spillway depth	1 m
Footprint	± 200 m x 70 m

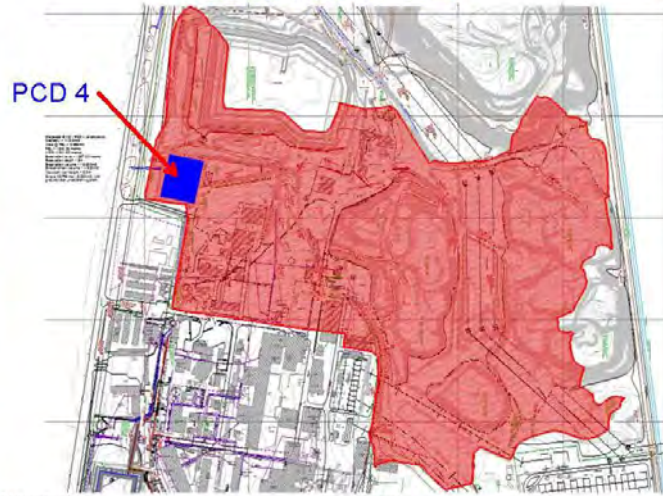
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Storm Water / PCD 4



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PCD 4 (Storm Water Containment Facility)



Aspect	Specifications
Capacity	14,800 m ³
Embankment height (outside)	3.2 m
Water surface @ FSL	5,700 m ²
FSL	1540.2 mamsl
NOC	1541.5 mamsl
Excavation depth	3.0 m
Excavation volume	13,500 m ³
Embankment volume	4,600 m ³
Layer system	Single HDPE liner, thickness = 1.5mm 2 compacted foundation layers Geomembrane A4 Underdrain system to lower water table
Spillway width	3 m
Spillway depth	1 m
Footprint	± 110 m x 90 m

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Existing Authorisations



• Waste Related Authorisations

• ECA 20 Permit (Permit Number: 12/9/11/P106) – 30 June 2009

- authorises the operation of the slag (Class H:H) waste disposal site (as delineated on previous slide)

• Waste Management Licence Variation (Reference Number: 12/9/11/P106V1) – 19 March 2012

- amends (deletes) 3 conditions in the ECA 20 Permit.

• Waste Licence Applications already Submitted in terms of the NEMWA

- Decommissioning of Existing Slimes Dam Facility. (Category A – Section 20 of GNR718)
- Disposal at the Current Slimes Dam Facility and New Slimes Dam. (Category B – Section 9 of GNR718)
- Construction of New Slimes Dam Footprint. (Category B – Section 11 of GNR718)
- Decommissioning of the 3 Historical Slimes Disposal Facilities. (Category A – Section 20 of GNR718)

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Existing Authorisations



• Other Environmental Authorisations

- **AEL (17/04/AEL/MP312/11/03) – 30 September 2014**
- **Slag Delisting (Reference Number: 12/11/7/1) – Post 2006**
 - Delisting the slag for its usage on tar roads as well as in cement and brick making.
- **Environmental Authorization (Authorisation Register No.: 17/2/1/25) MP-5) - 6 December 2011**
 - Continue with the Existing Slag Disposal Facility.
- **Environmental Authorization (Authorisation Register No. 17/2/3/9(1) N-6) - 6 December 2011**
 - Construction of Storm Water Dams.
- **Environmental Authorization (Authorisation No. 17/2/3 N-84) Application - 19 September 2011**
 - Decommissioning of the Northern Slimes Dam.

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Existing Authorisations



• Water Use Authorisations

- **Water Use Permit (Permit Number: 1464N)**
 - for the use of 1 644 000 m³ of water per annum for Industrial Purposes.
- **Water Use Licence (Licence Number 04/B11K/709)**
 - Issued on 02 April 2011.
 - The Licence authorises the following water uses on Driefontein Erf 297 JS
 - Section 21(g) of the Act:
Disposing of waste in a manner which may detrimentally impact on a water resource, subject to the conditions as set out in Appendices I and II.
 - The Licence is valid for a period of 10 years from date of issue (02/04/2011).
 - There are several conditions in the Water Use Licence, which are however not relevant to the site specific conditions, are unclear, are unreasonable or are incorrect.
 - These conditions are therefore required to be amended so that the Water Use Licence is applicable to the site specific situation at Ferrometals.
 - The New Water Uses also need to be included in the amended Water Use Licence.

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Requested Amendments



• Amendments are requested in terms of Section 50 and 52 of the National Water Act:

• **Section 50(1)(a)**

"(1) A responsible authority may amend or substitute a licence condition - (a) if the licensee or successor in title has consented to or requested the amendment or substitution;"

• **Section 52(1)**

"(1) A licensee may, before the expiry date of a licence, apply to the responsible authority for the renewal or amendment of the licence".

• Requested Amendments to be made to the WUL:

- Name Change of Water User (Licensee).
- Correct Property Descriptions and name of Property Owner
- Amendments to unintentional errors and omissions of information
- Interpretation / Occurrence of Authorised Water Uses
- Required Monitoring Systems

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Groundwater Monitoring



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Surface Water & Mine Water Monitoring



LEGEND
 Waste Disposal Facility
 Water Management Facility
 Management Area Boundary
 Existing Monitoring Location
 Proposed Monitoring Location

JMA CONSULTING (PTY) LTD
 Registered Botswana Company
 Botswana Registration Number: BCC 15205
 Project No: 2020/001
 Site: Tlokoeng Steel
 11, Tlokoeng Road
 Tlokoeng, Botswana
 P.O. Box 101, Tlokoeng
 Gaborone, Botswana
 Phone: +266 81 220 800
 Fax: +266 81 220 804
 Email: info@jma.co.bw
 Website: www.jma.co.bw

Surface Water (SW) Monitoring Locations



LEGEND
 Waste Disposal Facility
 Water Management Facility
 Management Area Boundary
 Underground Mining Column
 Existing Monitoring Location

JMA CONSULTING (PTY) LTD
 Registered Botswana Company
 Botswana Registration Number: BCC 15205
 Project No: 2020/001
 Site: Tlokoeng Steel
 11, Tlokoeng Road
 Tlokoeng, Botswana
 P.O. Box 101, Tlokoeng
 Gaborone, Botswana
 Phone: +266 81 220 800
 Fax: +266 81 220 804
 Email: info@jma.co.bw
 Website: www.jma.co.bw

Underground Mine Workings (UMW) Monitoring Locations

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**Thank you for your time
and contribution**

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ANNEXURE III

DOCUMENT SUBMISSION
13/11/2014





DELIVERED BY HAND

13 November 2014

DEPARTMENT OF WATER AND SANITATION
Sedibeng Building
Room 511
PRETORIA
0001

ATTENTION: Kelvin Legge

RE: SAMANCOR CHROME LTD, FERROMETALS OPERATION

ACKNOWLEDGEMENT OF RECEIPT

Receipt of the:

- Closure Design Report (Historical Slimes Facilities)
- Storm Water Design Report

is hereby acknowledged (**HARD COPY**).

Delivered by:

Received by:

Riaan Grobbelaar
JMA Consulting (Pty) Ltd

NAME: Wilma Moolman
For and on behalf of
DWS (Sedibeng Building - Pretoria)

Date: 13/11/2014

Date: 13/11/2014

Time: 08:50

Time: 08:50

2005/039663/07

Directors: J.L. Müller M.Sc.(Pr.Sci.Nat.), J.J. van der Berg M.Sc.(Pr.Sci.Nat.), R. Grobbelaar M.Sc.(Pr.Sci.Nat.)

APPENDIX 3.1.4

NOTIFICATION LETTERS TO I & AP's

AUTHORITIES

From: Kobus Du Plessis
To: ["Malepo Phoshoko"; "Lentswana Matawane"](#)
Subject: Samancor Chrome – Ferrometals_Decommissioning of three Historical Slimes Dams_DEA (Ref: 12/9/11/L44116/6)_DEDET (Ref: 17/2/3N-386)
Date: 04 December 2014 12:20:00 PM
Attachments: [image002.png](#)
Importance: High

Dear all,

Please be aware that since Samancor Chrome Limited – Ferrometals received the acceptance letters for a Waste Licence Application from DEA (Ref: 12/9/11/L44116/6) on 17 September 2014 and for a Basic Assessment Application from DEDET (Ref: 17/2/3N-386) on 28 August 2014, the following activities have been conducted:

- Concept designs compiled for the 3 Historical footprints;
- Waste classification done for the 3 Historical footprints;
- Water Use Licence Amendment and New Water Use Application (Licence No: 04/B11K/709) for the Ferrometals Site;
- Pre-Application Consultation Meeting with the Department of Water and Sanitation on 13 November 2014.

The required Public Participation will be conducted at the beginning of 2015 where the Basic Assessment Report (BAR) will be available for I&AP's review.

I hope that you will find this in order.

Kind regards

Kobus du Plessis

JMA CONSULTING (PTY) LTD

P O BOX 883

DELMAS

2210

Tel No.: 013-665 1788

Fax No.: 013-665 2364

E-mail: kobus@jmaconsult.co.za

DEDET



JMA/10427

DEA Reference Number: 12/9/11/L144116/6

DEDET Reference Number: 17/2/3N - 386

15 January 2015

Department of Economic Development, Environment and Tourism
P O Box 383
EMALAHLENI
1035

ATTENTION: SELAPE LENTSWANA

RE: PROPOSED DECOMMISSIONING AND CLOSURE OF THREE (3) HISTORICAL SLIMES DISPOSAL FACILITIES AT FERROMETALS OPERATION, EMALAHLENI

JMA Consulting (Pty) Ltd (**JMA**) received the acknowledgment/acceptance letter and reference number for our application on 28 August 2014.

As required in the EIA Regulations, 2010, Regulation 67 the applicant has a period of 6 months to comply with the requirements listed.

Please be aware that since Samancor Chrome Limited – Ferrometals received the acceptance letters the following activities have been conducted:

- Concept designs compiled for the 3 Historical footprints;
- Waste classification done for the 3 Historical footprints;
- Water Use Licence Amendment and New Water Use Application (Licence No: 04/B11K/709) for the Ferrometals Site;
- Pre-Application Consultation Meeting with the Department of Water and Sanitation on 13 November 2014.
- Site notices put up at site and surrounding fence lines – January 2015
- Advertisements placed in the Witbank News and Middelburg Observer notifying the public of the application and project and also inviting them to register and Interested and Affected Parties for the project. These advertisements will be placed on Friday, 23 January 2015.

Please be advised that you will be notified of the public meeting in due course.

We trust that the Department finds this letter communication in order. If you require any additional information or clarification please do not hesitate to contact us.

Yours sincerely

Kobus Du Plessis
LET8284

2005/039663/07

DEA



JMA/10427

DEA Reference Number: 12/9/11/L144116/6

DEDET Reference Number: 17/2/3N - 386

15 January 2015

Department of Environmental Affairs (DEA)
Private Bag X447
Pretoria
0001

ATTENTION: MALEPO PHOSOKO

RE: PROPOSED DECOMMISSIONING AND CLOSURE OF THREE (3) HISTORICAL SLIMES DISPOSAL FACILITIES AT FERROMETALS OPERATION, EMALAHLENI

JMA Consulting (Pty) Ltd (**JMA**) received the acknowledgment/acceptance letter and reference number for our application on 17 September 2014.

As required in the EIA Regulations, 2010, Regulation 67 the applicant has a period of 6 months to comply with the requirements listed.

Please be aware that since Samancor Chrome Limited – Ferrometals received the acceptance letters the following activities have been conducted:

- Concept designs compiled for the 3 Historical footprints;
- Waste classification done for the 3 Historical footprints;
- Water Use Licence Amendment and New Water Use Application (Licence No: 04/B11K/709) for the Ferrometals Site;
- Pre-Application Consultation Meeting with the Department of Water and Sanitation on 13 November 2014.
- Site notices put up on site and surrounding fence lines – January 2015
- Advertisements placed in the Witbank News and Middelburg Observer notifying the public of the application and project and also inviting them to register and Interested and Affected Parties for the project. These advertisements will be placed on Friday, 23 January 2015.

Please be advised that you will be notified of the public meeting in due course.

We trust that the Department finds this letter communication in order. If you require any additional information or clarification please do not hesitate to contact us.

Yours sincerely

Kobus Du Plessis
LET8283

2005/039663/07

I&AP's

From: Kobus Du Plessis
To: "shaakira.akhalwaya@bhpbilliton.com"; "kwebb@wessanorth.co.za"; "josephm@vanchem.co.za"; "kerryb@randcarbide.co.za"; "deonb@transalloys.co.za"; "avdsandt@xstrata.co.za"; "eprinsloo@anglocoal.co.za"; "jhayes@anglocoal.co.za"; "yolandib@hiveld.co.za"; "agermishuizen@xstrata.co.za"; "dphillips@xstrata.co.za"; "mhlabane@mweb.co.za"; "cathie@hiveld.co.za"; "svandermerwe@scaw.co.za"; "petermal@social.mpu.gov.za"; "mflu@megaweb.co.za"; "pgunther@anglocoal.co.za"; "gaymokoena@icon.co.za"; "dempseyj@mweb.co.za"; "sagrcadmin@global.co.za"; "alexo@vanchem.co.za"; "sary@emalahlenibiz.info"; "chris@efalaw.com"; "ndooge@xstratacoal.co.za"; "gerhard@jamandi.co.za"; "7billion.t@gmail.com"; "fidel@cosatu.org.za"; "hjansevanvuuren@ccsb.co.za"; "aganang.ppe@webmail.co.za"; "tscholtz@xstrata.co.za"; "ngakwethu@telkomsa.net"; "aganang.ppe@webmail.co.za"; "parks1@web4us.co.za"; "nkabindeej@emalahleni.gov.za"; "malatjilm@emalahleni.gov.za"; "langaam@emalahleni.gov.za"; "nkosinm@nkangaladm.org.za"; "vanbuurensmp@nkangaladm.org.za"; "rossouw@nkangaladm.org.za"; "mdletsheh@dwaf.gov.za"; "ackermanp@dwaf.gov.za"; "mahlangu@dwaf.gov.za"; "matshilele.ramovha@dmr.gov.za"; "Martha.Mokonyane@dmr.gov.za"; "helen.maumela@dmr.gov.za"; "Themba.mazibuko@dmr.gov.za"; "gmmondlane@wit.mpu.gov.za"; "stmarebane@mpg.gov.za"; "lmahlangu@environment.gov.za"; "dmthembu@deat.gov.za"; "svilakazi@deat.gov.za"; "MLushaba@deat.gov.za"; "enviroteq@gmail.com"; "mervyn@mtpa.co.za"; "franskriqe@telkomsa.net"; "ronell@mtpa.co.za"; "achoffman@lantic.net"; "Jlavin@sahra.org.za"; "kgereshi.mokwena@gauteng.gov.za"; "fransmas@nda.agric.za"; "Careens@social.mpu.gov.za"; "amakamela@xstratacoal.co.za"; "temba.milanzi@labour.gov.za"; "vjamesmtsweni@mpg.gov.za"; "sonia.chipu@dme.gov.za"; "kpkhoza@mpg.org.za"; "ndiafhi.tuwani@energy.gov.za"; "Lindiwe.Chauke@energy.gov.za"; "Jorrym@social.mpu.gov.za"; "taylorp@vodamail.co.za"; "siphomsk@gmail.com"; "johannes.mahlangu@samancorcr.com"; "bonginkosim@cassidy.co.za"; "montys@iburst.co.za"; "tramavhona@environment.gov.za"; "gmmondlane@wit.mpu.gov.za"; **Moloto Madietsi** (BHT); "Lentswana Matawane"; "Malepo Phoshoko"
Cc: "Chetty, Prenisha (FMT)"; [Riaan Grobbelaar](#); [Rene Rademeyer](#)
Subject: Ferrometals_Basic Assessment_Notification of Public Meeting_19 Feb 2015
Date: 06 February 2015 09:17:00 AM
Attachments: [image002.png](#)
[LET8298 Ferrometals BA I&AP's notification letter.pdf](#)
[Ferrometals BAPublicMeeting_PressAdvert_19 Feb 2015.pdf](#)
[Ferrometals I&AP CommentPage_BA.pdf](#)
[Directions to Venue.pdf](#)
[Ferrometals BID.pdf](#)

Dear Interested and Affected Party

You are hereby cordially invited to attend the Samancor Chrome - Ferrometals (Basic Assessment) Public Meeting scheduled for **10:00** on **19 February 2015**.

The meeting will be held at the Emalahleni Local Municipality **Committee Room** which is located on the corner of President Ave and Arras Street, Witbank.

Please find the following attached documentation:

- I&AP's Notification Letter;
- Advert in Witbank News & Middelburg Observer;
- Directions to Venue for the Public Meeting to be held on 19 February 2015, 10h00 at the Emalahleni Local Municipality Committee Room;
- I&AP's Comment Page;
- Background Information Document (BID)

For any further information please do not hesitate to contact me.

Kind regards

Kobus du Plessis

JMA CONSULTING (PTY) LTD
P O BOX 883
DELMAS
2210

Tel No.: 013-665 1788

Fax No.: 013-665 2364

E-mail: kobus@jmaconsult.co.za

NOTIFICATION LETTER



JMA10427

DEDET Ref: 17/2/3N - 386

DEA Ref: 12/9/11/L144116/6

DWAS Reference Number: 16/2/7/C231/B18/Y1/1

February 2015

ATTENTION: REGISTERED INTERESTED & AFFECTED PARTY

Dear Sir / Madam

NOTICE OF A BASIC ASSESSMENT APPLICATION FOR THE DECOMMISSIONING OF THREE HISTORICAL SLIMES DAM FOOTPRINTS AT FERROMETALS – A BUSINESS UNIT OF SAMANCOR CHROME LTD, IN EMALAHLENI

Notice is hereby given in terms of the EIA regulations published in Government Notice R. 543, of 18 June 2010, Chapter 5 of the National Environmental Management Act (Act 107 of 1998), with the intent to carry out the above mentioned activity. In terms of Regulation's 15 (1) & 54(2)(b) of GN R. 543, notice of the proposed project is hereby given to all Interested & Affected Parties (**I&AP's**), the surrounding land owners, as well as any organ of state that may have jurisdiction over any aspect of the proposed activity.

The proposed project will include the following application for authorisation:

- Decommissioning of three Historical Slimes Dam Footprints on site

Samancor Chrome Ltd – Ferrometals has appointed JMA Consulting (Pty) Ltd as the independent consultants responsible to conduct and complete the formal environmental authorization process as well as the I&AP and Authority Participation Process. This environmental authorization processes entails a **Basic Assessment Report**. Please note that the process described above requires I&AP consultation to be done, and that this notification letter has the function of notifying and informing all identified I&AP's to date.

You/Your organization have been identified and provisionally registered as I&AP to this project. Should you however wish to not form part of this process please notify the consultant and you will be removed from the mailing list.

Please find attached to this letter an I&AP Comments Page whereupon all contact details and any comments or concerns can be stated and submitted to the Consultant for consideration.

You/your organization are hereby then cordially invited to attend the I&AP Public Meeting, that will be held at **10:00 on Thursday, 19 February 2015**, in order to answer any questions that you might have on the planned activities and to provide you with any additional

2005/039663/07

information that you may require. **The meeting will be held at the Committee Room at the Emalaheni Local Municipality.** Please find attached a map with directions to the venue as well as GPS Coordinates.

For any further information please do not hesitate to contact the Consultant. Contact information is available on the Comments Page.

Yours sincerely



Kobus Du Plessis (**Cand.Sci.Nat**)

LET8298

ISSUES AND RESPONSE FORM

BASIC ASSESSMENT PROCESS

**SAMANCOR CHROME LTD.
FERROMETALS**

**Contact: Kobus du Plessis
JMA Consulting (Pty) Ltd
P.O. Box 883
Delmas, 2210**



**INTERESTED AND AFFECTED PARTY REGISTRATION
& INVITATION TO COMMENT**

**Phone: (013) 665 1788
Fax: (013) 665 2364**

E-mail: kobus@jmaconsult.co.za

Please complete and return to the Address indicated above.

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION		E-MAIL ADDRESS	
POSTAL ADDRESS			
POSTAL CODE		CELL PHONE NO	
TEL NO		FAX NO	

REGISTRATION AS INTERESTED AND AFFECTED PARTY (Please tick the applicable box)

Please formally register me as an Interested and Affected Party (I&AP) so that I may receive further information and notifications during the Basic Assessment Process	<input type="checkbox"/>	<input type="checkbox"/>
I would like notifications by	<input type="checkbox"/> Letter (Mail)	
	<input type="checkbox"/> Email	
	<input type="checkbox"/> Fax	
	<input type="checkbox"/> SMS	
In Terms of Regulation 56(1) c, of GNR 543 (EIA process regulations) I disclose below any direct business, financial, personal, other interest that I may have in the approval or refusal of this application: _____ _____ _____		

COMMENTS

I suggest that the following issues be addressed during the Basic Assessment Process

Any other comments

Please ask the following friends/colleagues to register as I&APs for this Basic Assessment Process

Signature

WE THANK YOU FOR YOUR CONTRIBUTION

Date

Please be assured that your comments will be formally registered and be included as part of the Final Documentation that will be submitted to Relevant authorities.

BACKGROUND INFORMATION DOCUMENT



JMA Consulting (Pty) Ltd

"Sustainable Environmental Solutions through Integrated Science and Engineering"

SAMANCOR CHROME - FERROMETALS DIVISION BACKGROUND INFORMATION DOCUMENT

CONTACT INFORMATION

In order to ensure that you are identified/listed as an Interested and Affected Party, please submit your name, contact information and interest in the matter on the provided registration form or contact:

JMA Consulting (Pty) Ltd

Contact: Kobus du Plessis (Cand.Sci.Nat)
Tel: 013 665 1788
Fax: 086 646 8400
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883
 Delmas
 2210



Figure 3: Locations of the three Historical Slimes Dams at the Ferrometals Site

LOCALITY MAP OF SAMANCOR CHROME - FERROMETALS DIVISION

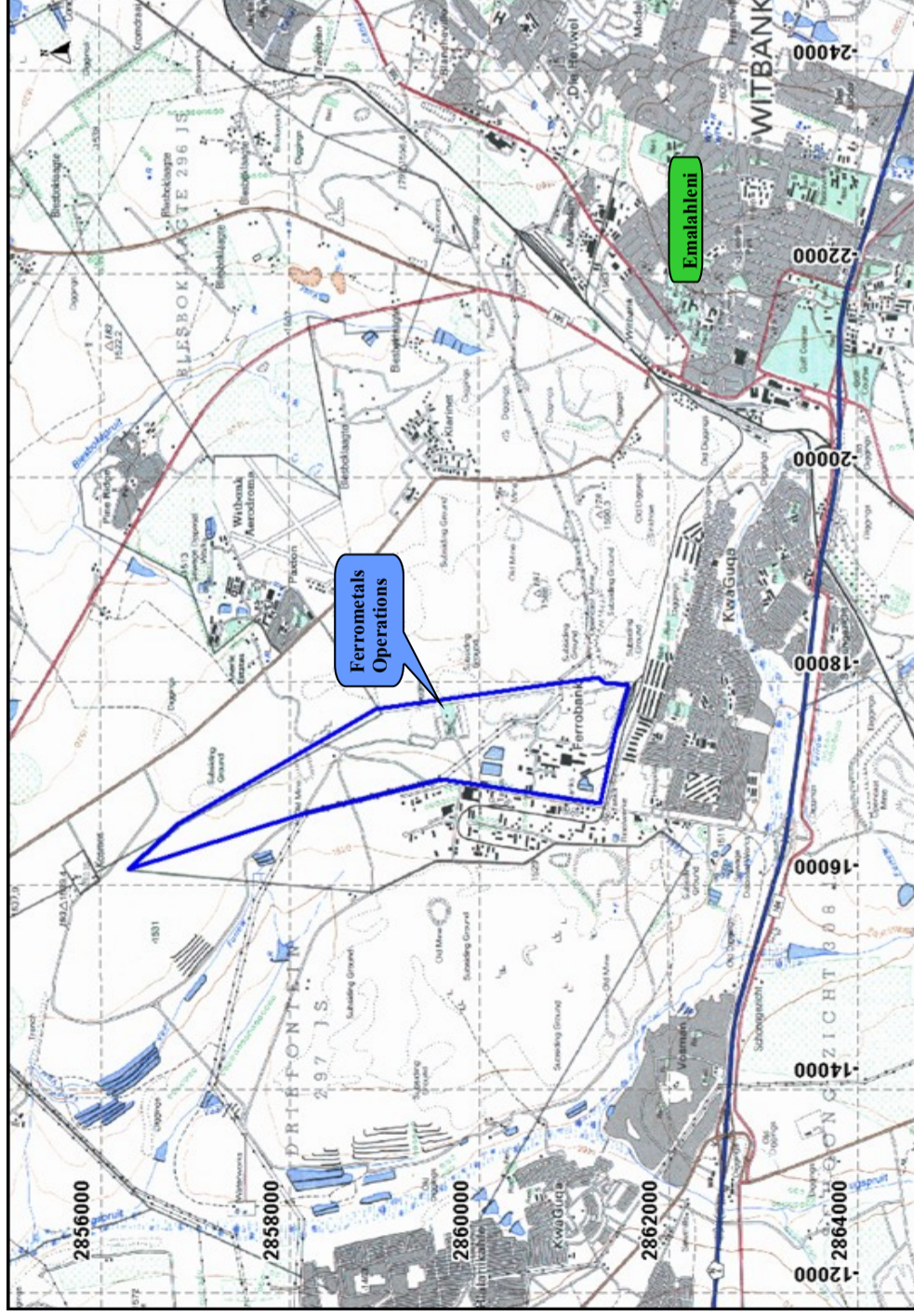


Figure 4: Local Map indicating Ferrometals boundary and also indicating the different properties

IN THIS BID:

INTRODUCTION & BACKGROUND TO THE PROPOSED PROJECT	1
OUTLINE OF THE ENVIRONMENTAL AUTHORIZATION PROCESSES TO BE FOLLOWED	2
ROLE OF THE I&AP'S	2
LOCALITY OF THE THREE DIFFERENT FOOTPRINTS	3
PROJECT TIMELINE	3
CONTACT DETAILS	4
LOCALITY MAP OF FERROMETALS OPERATION	4

INTRODUCTION & BACKGROUND TO THE PROPOSED PROJECT

This document has the function of providing the various Interested & Affected Parties (I&APs) with some background information regarding the proposed developments at the Samancor Chrome - Ferrometals Operations as well as information on the various formal legal processes that will need to be followed in order to obtain the required environmental authorizations.

For this project JMA will apply for the decommissioning and closure of three historical slimes dams footprints on site. The historical dams consist of three small slimes tailings dams referred to as the South Slimes Dam, East Slimes Dam and the Stores Slimes Dam. These three footprints are authorised under the Water Use License (Ref Number: 04/B11K/709) obtained on 02 April 2011 by Ferrometals.

This document therefore forms part of the official Public Participation documentation as prescribed in the Environmental Impact Assessment (EIA) Regulations published in National Environmental Management (NEMA) Act 107 of 1998, Government Notice Regulations 543, whereby all I&AP's must be notified and informed on proceedings regarding the Basic Assessment process. Attached to this document also find a Comment Page whereupon all concerns or objections by the I&AP's can be stipulated to be reviewed by JMA Consulting (Pty) Ltd (JMA).

For the Decommissioning JMA will lodge an application in terms of NEMA Act 107 of 1998, GNR 544 for Activity 27 as well as a Waste Licence Application in terms of the National Environmental Management Waste Act (NEM:WA) 59 of 2008, Section 19(3) and GNR 921, Category A, Activity 14.

For this project JMA will apply for an Basic Assessment (BA) application in terms of NEMA Act 107 of 1998, as well as a Waste Licence Application in terms of the National Environmental Management Waste Act (NEM:WA) 59 of 2008, for the decommissioning of these historic footprints.

The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

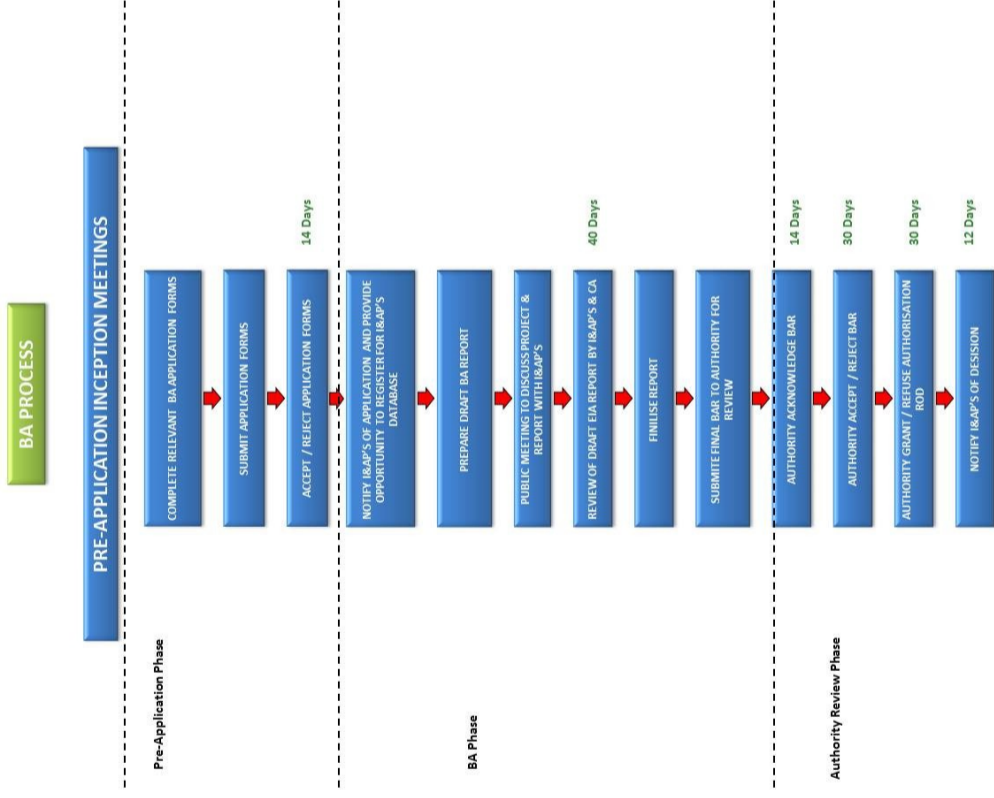
A public meeting will be held on 19 February 2015 at the Emalahleni Local Municipality where the project will be discussed and I&AP's will have the opportunity to ask questions and raise any concerns.

OUTLINE OF ENVIRONMENTAL AUTHORIZATION PROCESSES TO BE FOLLOWED

For this project two formal Environmental Authorization Processes will be run concurrently with each other. These formal processes include:

- ⇒ A **Basic Assessment (BA) Process** as prescribed by the National Environmental Management Act (Act 107 of 1998).
- ⇒ A **Waste Licence Application (WLA) Process** as prescribed by the National Environmental Management: Waste Act (Act 59 of 2008).

FERROMETALS TIMELINE



ROLE OF THE I&AP'S

Interested and Affected Parties (I&AP's) have the right to raise any issue that they may deem as important and that they feel, needs to be investigated prior to approval being granted with regards to this application. These issues raised, must then be formally registered by the Environmental Assessment Practitioner (EAP), and be subsequently investigated. The EAP must respond to all issues raised during the Public Participation Process.

The roles of I&AP's in a Public Participation Process include *inter alia* one or more of the following:

- ⇒ Provides an opportunity for interested and affected parties (I&AP's), EAP's and the Competent Authority (CA) to obtain clear, accurate and understandable information about the environmental impacts of the proposed activity or implications of a decision;
- ⇒ Provides I&AP's with an opportunity to voice their support, concerns and questions regarding the project, application or decision;
- ⇒ Provides I&AP's with the opportunity of suggesting ways of reducing or mitigating any negative impacts of the project and for enhancing its positive impacts;
- ⇒ Enables an applicant to incorporate the needs, preferences and values of affected parties into its application;
- ⇒ Provides opportunities for clearing up misunderstandings about technical issues, resolving disputes and reconciling conflicting interests;
- ⇒ It is an important aspect of securing transparency and accountability in decision-making;
- ⇒ It contributes towards maintaining a healthy, vibrant democracy.

AUTHORITY PARTICIPATION

In conjunction with the formal Public Participation Process the EAP will also meet with the Relevant Authorities in a series of identified Focus Group Meetings throughout the project application process. The Relevant Authorities in this case being amongst others the Department of Environmental Affairs (DEA) in Pretoria and the Department of Economic Development, Environment, and Tourism (DEDET) in Witbank.

LOCATION OF THE SOUTH, EAST & STORES SLIMES DAMS



Figure 2(a): Aerial photograph of the Ferrometals Site indicating the three historical slimes dams footprints.



Figure 2(b): Historical South Slimes Dam



Figure 2(c): Historical East Slimes Dam



Figure 2(d): Historical Stores Slimes Dam

TIMELINE FOR THE PROJECT

As can be seen in the outline of the processes to be followed (see page 2) there is an opportunity for I&AP's to register to form part of the I&AP's database who will receive all correspondence regarding the project. There will also be a public meeting. At this meeting, the status of the project will be explained and I&AP's will be able to review the Draft Basic Assessment Report for a time period of 40 days. I&AP's also have the opportunity to raise any comment and/or concern that they may have with regards to the proposed project. These comments and requests will form part of the Issues and Response Register which will form part of the Final BA. After the review period the Basic Assessment Report will be updated and finalized where after the BAR will then be submitted to the authorities for review and approval or rejection.

HOW TO GET INVOLVE IN THE BA PROCESS

1) Register as an Interested and Affected Party (I&AP's) and forward your comments to JMA Consulting via email or by filling in the attached Response Form and send or fax it to address/contact details provided on page 4 and below.

I&AP's

4) Review the Record of Decision (ROD) and have the opportunity to appeal the Record of Decision.

2) Attend the Public Meeting held at a neutral Venue.

3) Review the Draft Basic Assessment Report which will be available at neutral venues for review and comments.

CONTACT INFORMATION

In order to ensure that you are identified/listed as an Interested and Affected Party, please submit your name, contact information and interest in the matter on the provided registration form or contact:

JMA Consulting (Pty) Ltd

Contact: Kobus du Plessis (Cand.Sci.Nat)
Tel: 013 665 1788
Fax: 086 646 8400
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883
 Delmas
 2210



APPENDIX 3.1.5

PROOF OF NEWSPAPER ADVERTISEMENTS (APPLICATION)

NOTICE OF AN APPLICATION FOR A BASIC ASSESSMENT & PUBLIC PARTICIPATION PROCESS

Notice is hereby given of a Public Participation Process as required in terms of the provisions contained in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

- DEA Reference Number: 12/9/11/L144116/6
- DEDET Reference Number: 17/2/3N - 386

This advertisement serves as a notification, to all Interested and Affected Parties (I&AP's), of the application for the decommissioning of three historical slimes dams and the required public participation process. This advert also serves as an invitation to register as an I&AP's. All registered I&AP's will form part of the I&AP's database that will be notified of proposed activities throughout the project.

The following activities are being applied for:

NEMA Activity:

1. GNR 544 – Activity 27 (iv)

NEM: WA Activity:

1. GNR 921, Category A – Activity 14
2. GNR 921, Category B – Activity 7

The period in which I&AP's can register will be for a 14 days' timeframe from 23 January 2015 to 06 February 2015.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter in writing, to the consultant, Mr Kobus Du Plessis, as given below by means of **fax, e-mail or post before 17h00 on 06 February 2015.**

Applicant: Samancor Chrome Ltd – Ferrometals

Project Location: The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

Process Description: The proposed project entails the application for authorisation for the decommissioning of three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.

Consultant: Kobus Du Plessis
JMA Consulting (Pty) Ltd
Tel: (013) 665 1788
Fax: (013) 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210

Date of Publication: 23 January 2015



JMA Consulting (Pty) Ltd
*Sustainable Environmental Solutions
through
Integrated Science and Engineering*

If any further information is required please do not hesitate to contact us.

Witbank News

- 1 X HIGH SPEED FRYER
- 1 X PIRON COMBI STEAM OVEN
- 1 X QUANTITY S/S SHELVES
- 1 X SOUVLA MACHINE
- 1 X M/MASTER MICROWAVE
- 1 X QUANTITY S/B TABLES
- 1 X 220L S/S TOP FREEZER
- 1 X QUANTITY AVENIA RICE COOKERS
- 1 X JUST 1.5 GLASS DOOR UNDERBAR
- 1 X JUST 2.5 DOOR GLASS UNDERBAR
- 1 X 760 L JUST D/D SLIDING COOLER
- 1 X JUST PIZZA TOP S/S
- UNDERBAR
- 1 X COLD & FREEZER ROOM
- 1 X S/S CANOPY
- 1 X ANVIL 9 SLICE TOASTER
- 1 X R/COUPE BOWL CUTTER
- 1 X HAMILTON BEACH TEMPEST BLENDER & JUG
- 1 X ICE CRUSHER ELECTRIC DELUXE
- 1 X RHENINGHAUS SLICER ARGENTIA
- 1 X ORVED VACUUM PACK MACHINE
- 1 X GRINDER
- 1 X LA CIN BALI EXPRESSO MACHINE
- 1 X BRAVILOR COFFEE
- FILTER MACHINE NOVO
- 1 X QUANTITY KITCHEN UTENSILS
- 1 X QUANTITY ICE BUCKETS & HOLDERS
- 1 X QUANTITY MATS
- 1 X QUANTITY POTS & PANS
- 1 X QUANTITY SCALES ELECT
- 1 X QUANTITY REFUSE BINS
- 1 X QUANTITY PLASTIC CONTAINERS
- 1 X QUANTITY GLASS TACKS AND CADDYS
- 1 X QUANTITY BAR TOT EQUIPMENT
- 1 X WINE COOLER BLACK UNDERCOUNTER
- 1 X SINK, PRE-SPRAY AND BASIN
- 1 X QUANTITY KNIVES
- 1 X QUANTITY CIGAR CUTTERS
- 1 X QUANTITY CROCKERY
- 1 X S/S EXTRACTION UNIT
- 1 X QUANTITY EESPETADA STAND & SCEWERS
- 1 X QUANTITY AUTO BINS
- 1 X QUANTITY LIQUOR GLASSES & CARAFE
- 1 X QUANTITY CUTLERY
- 1 X SCALE PORTION GOODS SOLD AS IS, WITHOUT ANY WARRANTY. 14%

VALUE ADDED TAX (VAT) IS PAYABLE SIGNED AT WITBANK ON THIS 15TH day of January 2015 SOUTH AFRICAN REVENUE SERVICE PRIVATE BAG X7212 WITBANK 1035

VS013301

NOTICES

As iets jou lyf laat RUK EN ROL, is daar net één plek om heen te rol!

Die



013 656 2490

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NOTICES



KENNISGEWING: BELANGHEBBENDE EN GEAFFEKTEERDE PARTYE; EYETHU COAL (PTY) LTD; LEEUWPOORT STEENKOOPLYN – T&DB MYNBOU AREA GEÏNTEGREERDE WATER VERBRUIK LISENSIE AANSOEK (GWVLA)

Eyethu Coal (Pty) Ltd (Reg. No.: 2003/010416/07) het aansoek gedoen vir 'n wysiging rakende die bestaande mynboureg asook die goedgekeurde Omgewing Bestuurs Program / Omgewings Impak Beraming Eyethu Coal (Pty) Ltd Leeuwpoot steenkoolmyn in terme van artikel 102 van die Minerale en Petroleum Hulpbron Ontwikkelingswet (MPHOW) (Wet Nr. 28 van 2002) vir die myn van steenkool op gedeelte 4 van die plaas Driefontien 297 JS en die resterende gedeelte van die plaas Suurwater 366 JS, in die Emalahleni Magistraat Distrik.

Eyethu Coal (Pty) Ltd beplan om 'n oopgroef steenkoolmyn genaamd Leeuwpoot Steenkoolmyn – T&DB mynbou area, op bogenoemde plaasgedeeltes binne die Nkangala distrik, Mpumalanga Provinsie te vestig. Die oopgroef mynbou bedrywighede sal gebruik maak van die opeenvolgende laterale omrol tegniek. Die mynbou bedrywighede sluit die konstruksie & bedryf van oop groewe, deklaag, rou steenkool, steenkool produk en steenkool afval hope, besoedeling beheer fasiliteite, en ander geassosieerde infrastruktuur in. 'n Steenkool was aanleg sal opgerig word om die rou steenkool te prosesseer. Toegang en vervoer paaië sal gemaak word om die infrastruktuur te bedien.

As gevolg van bogenoemde het Eyethu Coal (Pty) Ltd aansoek gedoen vir 'n Geïntegreerde Water Verbruik Lisensie vir Leeuwpoot Steenkoolmyn – T&DB mynbou area, op gedeelte 4 van die plaas Driefontien 297 JS en die resterende gedeelte van die plaas Suurwater 366 JS. Die GWVLA bestaan uit aktiwiteite wat as water verbruik beskou word volgens regulasie 21 (a), (c), (g), (i) en (j) van die Nasionale Water Wet (Wet Nr. 36 van 1998).

Volgens die Nasionale Water Wet (Wet Nr. 36 van 1998) moet 'n GWVLA ingehandig word by die Departement van Water en Sanitasie vir die water verbruik aktiwiteite. Geovicon Environmental (Pty) Ltd is aangestel as die onafhanklike omgewings konsultant wat die GWVLA saamstel, in terme van artikel 40(1) en 41(1) van die Nasionale Water Wet (Wet Nr. 36 van 1998) vir die water verbruik aktiwiteite op bogenoemde eiendomme.

Die konsep GWVLA is beskikbaar in die Witbank Publieke Biblioteek tot 23 Februarie 2015 vir publieke ondersoek. Belanghebbende en geaffekteerde partye kan skriftelik kommentaar/beswaar aanteken rakende die GWVLA voor of op 23 Februarie 2015, by:

Konsultant: GEOVICON ENVIRONMENTAL (Pty) Ltd
Posbus 4050 Middelburg 1050
Tel.: 013 243 0542
Faks.: 086 632 4936
E-pos: geovicon@iafrica.com
Sel no.: 082 359 5604
Kontakpersoon: Riana Bate

w/23jan/eyethu mine/ch

EMALAHLENI LOCAL MUNICIPALITY



Phase 2: IDP/BUDGET CONSULTATION MEETINGS

WARDS	DATE	VENUE	TIME
1,2& 4,5,6,7,8,9 & 3,23 & 29	31 January 2015	Hlalanikahle Hall	09h00
10,11,12,13,14,15,16,17	31 January 2015	Wells ground	14h00
28,30,31	01 February 2015	Phola Community Hall	09h00
25,26,27, & 32	01 February 2015	Thubelihle Hall	14h00
17,18,19,20,21,22, 24,33 & 34/12 & 15	03 February 2015	eMalahleni City Hall	18h00

T VAN VUUREN
ADMINISTRATOR
CIVIC CENTRE
MANDELA STREET
eMALAHLENI
1035

P.O. Box 3
eMALAHLENI
1035

w/23jan/budget/km

NOTICE OF AN APPLICATION FOR A BASIC ASSESSMENT & PUBLIC PARTICIPATION PROCESS

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Tel: 013 665 1788
Fax: 013 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210



JMA Consulting (Pty) Ltd
Sustainable Environmental Solutions
through
Integrated Science and Engineering

Date of Publication: 23 January 2015

If any further information is required please do not hesitate to contact us.



"Little things lead to success, but success is no little thing"

NOTICE: INTERESTED AND AFFECTED PARTIES; EYETHU COAL (PTY) LTD; LEEUWPOORT COLLIERY – T&DB SECTION; INTEGRATED WATER USE LICENCE APPLICATION (IWULA)

Eyethu Coal (Pty) Ltd (Reg. No.: 2003/010416/07) has applied for an amendment to their existing mining right and the approved Environmental Management Programme / Environmental Impact Assessment report Eyethu Coal (Pty) Ltd Leeuwpoot Colliery under section 102 of the Mineral and Petroleum Resources Development Act (MPRDA) (Act No. 28 of 2002) to conduct coal mining on portion 4 of the farm Driefontien 297 JS and the remaining extent of the farm Suurwater 366 JS, situated in the Magisterial District of Emalahleni.

Eyethu Coal (Pty) Ltd proposes to undertake an opencast mining operation namely Leeuwpoot Colliery – T&DB Section on portion 4 of the farm Driefontien 297 JS and the remaining extent of the farm Suurwater 366 JS situated within the Nkangala district, Mpumalanga Province. The opencast mining operation will make use of the sequential lateral rollover mining technique. The mining operation will result in the construction & operation of opencast pits, overburden, run off mine and product coal stockpiles, discard dump, pollution control facilities, and associated infrastructure. The run off mine coal will be processed at the coal washing plant to be constructed on site. The above will require construction of access roads and haul roads.

In light of the above, Eyethu Coal (Pty) Ltd has applied for an Integrated Water Use Licence for the proposed Leeuwpoot Colliery – T&DB Section situated on portion 4 of the farm Driefontien 297 JS and the remaining extent of the farm Suurwater 366 JS. The IWULA will include activities regarded as water uses in terms of section 21 (a), (c), (g), (i) and (j) of the National Water Act (Act No. 36 of 1998).

According to the National Water Act (Act No. 36 of 1998), an IWULA must be submitted to the Department of Water and Sanitation for their consideration. Geovicon Environmental (Pty) Ltd has been appointed as the independent environmental consultant to compile the IWULA in terms of section 40(1) and 41(1) of the National Water Act (Act No. 36 of 1998) for the water use activities on the above-mentioned properties.

The draft IWULA is available at the Witbank Public Library until 23 February 2015 for public perusal. Interested and Affected parties may submit comments/objections regarding the IWULA in writing, on or before 23 February 2015 to:

Consultant: GEOVICON ENVIRONMENTAL (Pty) Ltd
P.O. Box 4050 Middelburg 1050

Tel.: 013 243 0542
Fax.: 086 632 4936
E-mail: geovicon@iafrica.com
Cell.: 082 359 5604
Contact person: Riana Bate

w/23jan/eyethu mine/ch

Middelburg Observer

● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd

abovementioned farm to register or participate hereby requested to raise their concerns/issues and if there is any objections/oppose to be addressed from this date of notice and within the period of 30 days to submit such report to DMR.

For enquiry please contact:

Mr. Ntokozo, E. Nzimande on the following:
Cell: 083 978 4448
Tel: 011 894 2029
Fax: 086 617 4208

Email: ntokozeustice@yahoo.com
Physical Address: 9 Poplar Street Die Heuwel Ext. 4 Witbank 1035

Postal Address: P.O. Box 12157 Leraatsfontein, 1038 or Regional Manager, DMR, Private Bag X7279 Emalahleni, 1039
Tel: 013 653 0500
Fax: 013 690 3288

SF031469

STEVE TSHWETE LOCAL MUNICIPALITY STEVE TSHWETE TOWN PLANNING SCHEME, 2004

Notice is hereby given that in-terms of Clause 21 of the above-mentioned Town Planning Scheme, I the undersigned:

Martha Maria Catarina Bezuidenhout intend to apply to Steve Tshwete Local Municipality for consent to use: Erf Number: 3519 Street Address:

JAPONICA Township: **KANONKOP** and existing building thereon for the purpose of **Home Office**. The land is zoned **Residential 1** in terms of the Town Planning Scheme. Plans and/or particulars relating to the application may be inspected during office hours at **8A John Magagula St. Groenkol Middelburg 1050**. Any person who has any

objections to the granting of this application, must lodge such objections, together with the grounds thereof, in writing with the Town Clerk P O Box 14 Middelburg, and the undersigned not later than 28 days after first publication hereof **M M C Bezuidenhout 9 Japonica Street Kanonkop Middelburg 1050**

SF031469

STEVE TSHWETE LOCAL MUNICIPALITY NOTICE OF APPLICATION FOR ESTABLISHMENT OF A TOWNSHIP

The Steve Tshwete Local Municipality hereby gives notice in terms of Section 108 of the Town Planning and Townships Ordinance, 1986 (Ordinance 15 of 1986) that an application for township establishment has been received by it. Particulars of the application will lie for inspection during normal office hours at the office of

the Chief Town Planner, Steve Tshwete Local Municipality, Steve Tshwete Infrastructure Service Building, 14 SADC Street, Middelburg, 1050, for a period of 28 days from 16 JANUARY 2015

Objections to or representations in respect of the application must be lodged with or made in writing to the Chief Town Planner at the above address or at P.O. Box 14, Middelburg, 1050, within a period of 28 days from 16 JANUARY 2015

ANNEXURE:
Name of township: Kwazamakuhle Extension 9
Full name of applicant: Sisonke Development Planners, P.O. Box 2446, Nelspruit, 1200 on behalf of Steve Tshwete Local Municipality
Number of erven and zoning:
1. "Residential 1" - 667
2. "Residential 3" - 2
3. "Business" - 4
4. "Institutional" - 8
5. "Municipal" - 2

6. "Industrial" - 6
7. "Public Open Space" - 5
Total - 694
Description of land: Portion 26 of the farm Vaalbank 177, I.S., province Mpumalanga.
Locality: The proposed Township is located on the southern edge of Kwazamakuhle, approximately 3 km north-east of Hendrina Central Business District and north of the Provincial Road R38/P52-1 between Hendrina and Carolina.
Our ref: Kwazamakuhle Extension 9 TE

SF031470

STEVE TSHWETE LOCAL MUNICIPALITY KENNISGEWING VAN AANSOEK OM WYSIGING VAN DORPSBEPLANNINGSKEMA 2004

Ingevolge Artikel 21 van bogenoemde skema geskied kennis hiermee dat ek: **Martha Maria Catarina Bezuidenhout** die ondergetekende, van voornemens is om by die Steve Tshwete Munisipaliteit aansoek te doen om toestemming vir die gebruik van erf: 3519 en bestaande gebou daarop vir die volgende: **Woonhuis-kantoor** Ingevolge die dorpsaanlegskema is die ingedeel vir **Residensieël 1** Planne en/of besonderhede aangaande hierdie aansoek lê ter insae gedurende gewone kantoorure te: **John Magagulastraat 8A, Groenkol, Middelburg** Enige persoon wat beswaar het teen die

goedkeuring van hierdie aansoek moet die beswaar tesame met die redes daarvoor, skriftelik indien te beide die Stadsklerk Posbus 14 Middelburg 1050 en die ondergetekende nie later as 28 dae vanaf eerste publikasie hiervan nie **M M C BEZUIDENHOUT JAPONICASTRAAT 9 KANONKOP MIDDELBURG 1050**

SF031470

STEVE TSHWETE PLAASLIKE MUNISIPALITEIT KENNISGEWING VAN AANSOEK OM WYSIGING VAN DORPSBEPLANNINGSKEMA 2004

Ingevolge Artikel 21 van bogenoemde skema geskied kennis hiermee dat ek: **Martha Maria Catarina Bezuidenhout** die ondergetekende, van voornemens is om by die Steve Tshwete Munisipaliteit aansoek te doen om toestemming vir die gebruik van erf: 3519 en bestaande gebou daarop vir die volgende: **Woonhuis-kantoor** Ingevolge die dorpsaanlegskema is die ingedeel vir **Residensieël 1** Planne en/of besonderhede aangaande hierdie aansoek lê ter insae gedurende gewone kantoorure te: **John Magagulastraat 8A, Groenkol, Middelburg** Enige persoon wat beswaar het teen die

Dorpe, 1986 (Ordonnansie 15 van 1986), kennis dat ek by STEVE TSHWETE PLAASLIKE MUNISIPALITEIT aansoek gedoen het om die wysiging van die dorpsbeplanningskema in werking bekend as STEVE TSHWETE-DORPSBEPLANNINGSKEMA, 2004 deur die hersonerig van die eiendom hierbo beskryf, geleë noord van die N4 en oos van Middelburg dorpsgebied, van

"Landbou" tot "Spesiaal"

met bylaag A491 vir mynboudoeleindes. Besonderhede van die aansoek lê gedurende kantoorure by die kantoor van die Direkoraat: Administrasie en Hulpbronnbestuur, Tweede Vloer, Burgersentrum gebou, hoek van kerk Straat en Wandererslaan, Middelburg vir 'n tydperk van 28 dae vanaf: 16 JANUARIE 2015. (die datum van eerste publikasie van hierdie kennisgewing) ter insae. Besware teen en vertoë ten opsigte van die aansoek moet binne 'n tydperk van 28 dae vanaf 16 JANUARIE 2015 skriftelik en in tweevoud by die Munisipale Bestuurder by bovermelde kantoor ingedien of aan hom by Posbus 14, Middelburg 1050 gepos word. Adres van gemagtigde agent: bs> Korsman en Vennote Stads en Streekbeplanners, Suite 295

Privaatsak X7294 Witbank 1035
Tel: 013 650 0408
E-pos: admin@korsman.co.za
Fax: 086 663 6326
Ons Verwysing: R1340-advMobserv

SR077012

STEVE TSHWETE PLAASLIKE MUNISIPALITEIT KENNISGEWING VAN AANSOEK OM STIGTING VAN DORP

Die Steve Tshwete Plaaslike Munisipaliteit gee hiermee ingevolge gedeelte 108 van die Ordonnansie op Dorpsbeplanning en Dorpe, 1986 (Ordonnansie 15 van 1986), kennis dat 'n aansoek om die genome dorp te stig, deur hom ontvang is. Besonderhede van die aansoek lê ter insae gedurende gewone kantoorure by die Hoof Stadsbeplanner, Steve Tshwete Plaaslike Munisipaliteit, Steve Tshwete Infrastruktuur Dienste Gebou, SADC Straat 14, Middelburg, 1050, vir 'n tydperk van 28 dae vanaf 16 JANUARIE 2015. Besware teen en vertoë ten opsigte van die aansoek moet binne 'n tydperk van 28 dae vanaf 16 JANUARIE 2015 skriftelik tot die Hoofbeplanner by bovermelde adres of by Posbus 14, Middelburg, 1050 ingedien of gerig word.
BYLAE:
Naam van Dorp: Kwazamakuhle Extension 9
Volle naam van aansoeker: Sisonke Development Planners, Posbus 2446 Nelspruit 1200, namens Steve Tshwete Plaaslike Munisipaliteit.
Aantal erwe en sonerings:
1. "Residensieël - 667
2. "Residensieël 3 - 2
3. "Besigheid" - 4
4. "Institusioneel" - 8
5. "Munisipaal" - 2
6. "Industrieël" - 6
7. "Publieke Oop Ruimte - 5
Total - 694
Beskrywing van die grond:
Gedeelte 26 van die plaas Vaalbank 177, I.S. provinsie Mpumalanga Ligging van die grond: Die ontwikkeling is geleë aan die suidelike grens van Kwazamakuhle, ongeveer, 3km noord-oos van Hendrina Sentrale Besigheids Distrik en noord van die Provinsiale Pad R38/P52-1 tussen Hendrina en Carolina.
Verwysingsnommer: Kwazamakuhle Extension 9 TE.

SR077004

NOTICE FOR ENVIRONMENTAL MANAGEMENT PROGRAMME FOR A PROSPECTING RIGHT OF COAL IN THE MAGISTERIAL DISTRICT OF MIDDELBURG IN THE MPUMALANGA PROVINCE. REF NO: MP 30/5/1/1/2/12032PR

Notice is given in terms of Regulation 56 & 57 of the Regulations published in Government notice no.R659, 13 June 2008 published in terms of chapter 6 of the National 6 of the National Environmental Management Act, 1998 (Act 107 of 1998) and the Mineral and Petroleum Resource Development Act, 2002 (Act 28 of 2002, sections 16(4)(b) and 27(5)(b) which require the applicant for a right or permit to notify in writing and consult with the landowner or lawful occupier and any other affected party. Interested and affected parties are being notified of the intent to submit an environmental Management Programme for a prospecting Right of Coal in the Magisterial District of **Middelburg** in the **Mpumalanga** Province.

NATURE OF ACTIVITY: applications for a Prospecting Right of **Coal** to the Department of Mineral Resources in **Mpumalanga (DMR, MP)** has been accepted; therefore in accordance with the requirements of section 29(4) of the MPRDA (Act No.28 of 2002), an Environmental Management Programme (EMP), as set out in section 39 of the MPRDA (Act No.28 of 2002), has to be compiled

LOCATION: the perspective site is situated on portions 7 and 13 of the Boschmanskop 154 IS in the Magisterial District of **Middelburg** in the **Mpumalanga** Province.

NAME OF APPLICANT: Makanyoga General Business Enterprises CC

NAME AND CONTACT DETAILS CONSULTANT: to register as an interested and affected party, you may contact us with queries relating to the proposed project, or submit your comments by post, or by fax, or by e-mail **within 30 calendar days** of this public notification. You can register by submitting your details or comments to: Mafatiki Services (Pty) Ltd, P.O. Box 1677, Ferndale, 2160 or **Fax:** 086 696 4891 or **e-mail:** Attention : Mr Nicholus Maloba at admin@mafatiki.co.za

NOTICE OF AN APPLICATION FOR A BASIC ASSESSMENT & PUBLIC PARTICIPATION PROCESS

Notice is hereby given of a Public Participation Process as required in terms of the provisions contained in inter alia the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd - Ferrometals Project.

• DEA Reference Number: 12/9/11/L144116/6 • DEDET Reference Number: 17/2/3N - 386

This advertisement serves as a notification, to all Interested and Affected Parties (I&AP's), of the application for the decommissioning of three historical slimes dams and the required public participation process. This advert also serves as an invitation to register as an I&AP's. All registered I&AP's will form part of the I&AP's database that will be notified of proposed activities throughout the project.

The following activities are being applied for:

NEMA Activity:
1. GNR 544 - Activity 27 (iv)

NEM: WA Activity:
1. GNR 921, Category A - Activity 14
2. GNR 921, Category B - Activity 7

The period in which I&AP's can register will be for a 14 days' timeframe from 23 January 2015 to 06 February 2015.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter in writing, to the consultant, Mr Kobus Du Plessis, as given below by means of fax, e-mail or post before 17h00 on 06 February 2015.

Applicant: Samancor Chrome Ltd - Ferrometals
Project Location: The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

Process Description: The proposed project entails the application for authorisation for the decommissioning of three historical slimes dam footprints at Ferrometals - A Business Unit of Samancor Chrome Ltd, in Emalahleni.

Consultant: Kobus Du Plessis
JMA Consulting (Pty) Ltd
Tel: 013 665 1788
Fax: 013 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210



Date of Publication: 23 January 2015

If any further information is required please do not hesitate to contact us.



STEVE TSHWETE LOCAL MUNICIPALITY

NOTICE OF COUNCIL MEETING TO BE HELD ON 29 JANUARY 2015

Notice is hereby given in terms of Section 19 of the Local Government Municipal Systems Act, Act 32 of 2000, that the following meeting of the Steve Tshwete Local Council will be held as follows:

Meeting	Date	Time	Venue
Ordinary Council Meeting	29 January 2015	16:00	Council Chamber, Middelburg

Kindly note that the above meeting is open for the public however only a number of seats are available and once the meeting has commenced no entrance to the meeting will be allowed.

W D FOUCHÉ MUNICIPAL MANAGER
Municipal Buildings, Wanderers Avenue
P O Box 14, Middelburg, 1050



STEVE TSHWETE LOCAL MUNICIPALITY

ANNUAL REPORT AND REPORT OF THE AUDITOR GENERAL ON THE FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR ENDED ON 30 JUNE 2014 AS WELL AS THE PERFORMANCE INFORMATION OF THE MUNICIPALITY FOR THE YEAR ENDED 30 JUNE 2014

Notice is hereby given in terms of Section 130 of the Local Government: Municipal Finance Management Act, Act No 56 of 2003, that the Steve Tshwete Local Council will consider the Annual Report and the Auditor- General Report on the financial statements for the financial year ended 30 June 2014 at a Council meeting which will be held at 16:00 on Thursday, 29 January 2015 in the Council Chamber.

Kindly note that the above meeting is open for the public however only a number of seats are available and once the meeting has commenced no entrance to the meeting will be allowed.

W D FOUCHÉ MUNICIPAL MANAGER

m23jan/steveaudit/km

APPENDIX 3.1.6

PROOF OF SITE NOTICES (APPLICATION)

NOTICE OF AN APPLICATION FOR A BASIC ASSESSMENT & PUBLIC PARTICIPATION PROCESS

Notice is hereby given of a Public Participation Process as required in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

REFERENCE NUMBERS:

- DEA Reference Number: 12/9/11/L144116/6
- DEDET Reference Number: 17/2/3N - 386

APPLICANT:

Samancor Chrome Ltd – Ferrometals

THE FOLLOWING ACTIVITIES RELATED TO THE ABOVE ARE BEING APPLIED FOR:

- NEMA Activities:
 1. GNR 544 – Activities 27 (iv)
- NEM:WA Activities:
 1. GNR 921, Category A – Activity 14
 2. GNR 921, Category B – Activity 7

PROPOSED ACTIVITY

The proposed project will include applications for authorisation for the decommissioning of three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.

PROJECT LOCATION

The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

DATE OF THIS ADVERTISEMENT

23 January 2015

CONSULTANT

JMA Consulting (Pty) Ltd

Contact: Kobus du Plessis
Tel: (013) – 665 1788
Fax: (013) – 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883
Delmas, 2210



JMA Consulting (Pty) Ltd
Sustainable Environmental Solutions
through
Integrated Science and Engineering

This advertisement serves as a notification, to all Interested and Affected Parties (I&AP's), of the application for the decommissioning of three historical slimes dams and the required public participation process. This advert also serves as an invitation to register as an I&AP's. All registered I&AP's will form part of the I&AP's database that will be notified of proposed activities throughout the project.

The period in which I&AP's can register will be for a 14 days' timeframe from 23 January 2015 to 06 February 2015.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter in writing, to the consultant, Mr Kobus Du Plessis, as given above by means of fax, e-mail or post before 17h00 on 06 February 2015.

If any further information is required please do not hesitate to contact us.

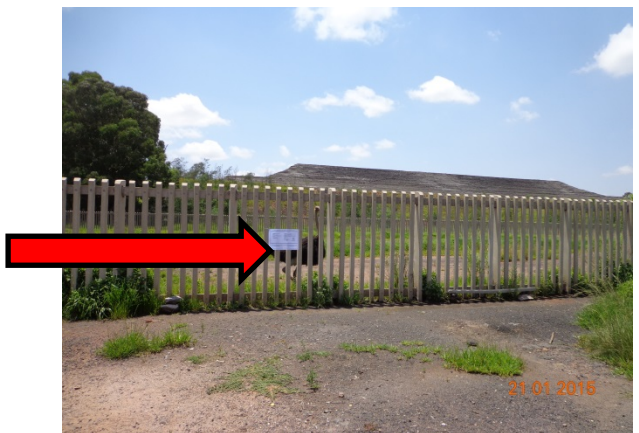
Site Notices were put up at the Ferrometals Front Gate



Site Notices were put up along the fence line.



Site Notices were put up along the fence line.



Ferrometals Site Notices – Scoping Phase Public Meeting		
Site Notice	Longitude	Latitude
Site Notices were put up at the Ferrometals Front Gate	29.172059°	-25.856002°
Site Notices were put up along the fence line.	29.169914°	-25.851693°
Site Notices were put up along the fence line.	29.170442°	-25.846390°

APPENDIX 3.1.8

PROOF OF NEWSPAPER ADVERTISEMENTS (PUBLIC METTING)

NOTICE OF PUBLIC MEETING

TO BE HELD IN FULFILMENT OF THE REQUIREMENTS OF THE PROCESSES RELATED TO AN BASIC ASSESSMENT APPLICATION

Notice is hereby given of the intent to hold a Public Meeting as required in terms of the provisions contained in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

DEA Reference Number: 12/9/11/L144116/6
DEDET Reference Number: 17/2/3N - 386

The following activities related to the above are being applied for:

NEMA Activity:

1. GNR 544 – Activity 27 (iv)

NEM: WA Activity:

1. GNR 921, Category A – Activity 14

The following topics will be discussed:

- **The Environmental Legal Authorisation Requirements relevant to the project;**
- **The Draft Basic Assessment Report (BAR)**
- **The Waste Licence Application (WLA);**
- **The way forward in the BA process.**

Applicant: Samancor Chrome Ltd – Ferrometals

Process Description: The proposed project will include applications for authorisation for the decommissioning of the three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.

Project Location: The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

Consultant: Kobus Du Plessis
JMA Consulting (Pty) Ltd
Tel: (013) 665 1788
Fax: (013) 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210



JMA Consulting (Pty) Ltd
*Sustainable Environmental Solutions
through
Integrated Science and Engineering*

Date of Publication: 06 February 2015

Public Participation: In accordance with EIA regulations you are hereby then cordially invited to attend the Public Meeting scheduled for **10:00 on 19 February 2015** at the Emalahleni Local Municipality Committee Room which is located at 66 Mandela Street on the corner of Mandela and Hofmeyer Street, Witbank.

It is important to note that this Environmental Impact Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of 1998), will be conducted in conjunction with an Waste Licence Application in turns of the National Environmental Management: Waste Act (Act 59 of 2008), during which all Interested and Affected Parties must be informed and consulted.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter, in writing, to the consultant, Mr Kobus Du Plessis, as given above by means of **fax, e-mail or post.**

If any further information is required please do not hesitate to contact us.

Witbank News

**0824
EMPLOYMENT
NEEDED / WERK
GEVRA**

JOHANNAH IS LOOKING FOR WORK

As a Cashier, packer, admin clerk, messenger or Cleaner. Has experience and a drivers license.

082 266 7311

MD030325

JOHN

Is looking for any job. He is capable of doing any work. Speaks Afrikaans well and isiZulu

079 679 7332

VS013408

LINAH

Is seeking employment as a receptionist/driver. Has a code 10 drivers license , computer literate, NQF114. Speaks English /Zulu.

078 150 8359
081 360 7736

VS013541

RONNIE IS LOOKING FOR A JOB.

He has Electrician & Plumbing Courses. Or any general work.

Call Ronnie @ 081 098 7418

VP016489

SINAH IS LOOKING FOR ANY GENERAL WORK

Has experience as a Cashier, Call centre etc.

072 550 2773

VP016481

**0830
GENERAL**

**AVON • AVON • AVON
FREE BAG + PURSE +
BOOKS, INCENTIVES.
UP TO 30% COMM
SMS NAME+TOWN TO
CAROLE BROMPTON
073 250 7589**

SR077331

**BUSY PANELSHOP IS
LOOKING FOR**

A panelbeater with minimum of 5 years exp, must be a fast worker, pay attention to detail. Own transport.

Quality exp and traceable reference needed. Email: turbopan1@mweb.co.za, Fax: 086 612 5909

VP016528

**DAY CARE CENTRE
REQUIRES**

Teacher/ assistant for ages 2-4 yrs. Must be fluent in English. Previous experience & qualifications will be beneficial. No chancers please.

Phone: 013 650 1546

MD030397

**FULL TIME/ PART TIME
ADMIN POSITION**

available for lady at Executive Motors, must have matric, experience in administrative duties and must be computer literate. Please fax CV to 086 551 6507 or email to executive.motors@telkomsa.net. Tel: 013 656 2235.

VS013519

**FAST SELL
PROPERTIES -
VACANCIES FOR
ESTATE AGENTS**

Call us if you:

- Are success driven
 - Have sales experience
 - Are hardworking
 - Are highly motivated
 - Are loyal with integrity
 - Have your own vehicle
- What you can expect:**
- Full training & support
 - Unlimited earning potential
 - Enjoy flexible hours
 - A dedicated, friendly team
 - Ongoing professional support

Contact us at 013 697 1190 or e-mail your CV to fastsellprop@lantic.net

VP016448

JFPS PROJECTS

Besik oor 'n vakante pos vir 'n detail tekenaar met ondervinding in Autocad

E-pos CV na: jfps@telkomsa.net

SF031648

**LAUNDROMAT
MANAGER**

Must have drivers license. To start immediately. R5000 - R6000 p.m.

wynand@pfswealth.co.za

VS013539

PRIME OFFICE TO LET

In Mandela Drive. Rent direct from the owner

Jamie at 013 656 4100

VS013514

**LOOKING FOR
PROFESSIONAL
KITCHEN**

And BIC Installers must have own transport and tools and Fitting team

Anel: 011 422 4086

VS013552

MANAGER POSITION

At Jimmy's killer Grills Witbank. Requirements: Past experience in Food industry.

Own transport
Fluent English/ Afrikaans
Stock control
Be prepared to work long hours

Good people skills. Email CV rezaadam2@gmail.com

MD030362

**NG GEMEENTE
WITBANK-PANORAMA
VAKATURE: KOSTER**

Die gemeente benodig die dienste van 'n koster wat ook as nutsman kan optree tussen die ouderdom van 35 en 50.

Beknopte omskrywing: Die bekleër is verantwoordelik vir die doeltreffende omsien van die terreine, geboue en toerusting van die gemeente wat benewens skoonmaakdiens, oop- en toesluit, voorbereiding en algemene herstelwerk insluit.

Gepaste profiel en ervaring:
1. Bewese ervaring as nutsman.

2. Toesighouding oor algemene werkers.
3. Hardwerkend, stiptelik en betroubaar.
4. Sobere gewoontes en nie-roker.
5. Goeie gesondheid.
6. Bereid wees om lidmaat van die gemeente te word.
7. Goeie menseverhoudings en kommunikasie.
8. Administratiewe en rekenaarervaring sal tot voordeel wees.
9. Eie vervoer hê.

Vergoedingspakket: Onderhandelbaar.

AANSOEK EN SLUITINGSdatum
Aanvaarders moet 'n volledig opgedateerde CV per hand, per e-pos of per faks indien by die Kerkkantoor, hk van Mimosa en Adelastraat, Blanchville, Witbank, per epos, kantoor@ngpanorama.co.za of per faks: 0866218011 voor of op Vrydag, 6 Februarie 2015 om 12h00.

Geen laat aansoek sal aanvaar word nie. Gee asb ook aanduiding van verlangde vergoeding.

Die NG Gemeente Witbank-Panorama behou hom die reg voor om nie 'n aanstelling in hierdie pos te maak nie.

VP016268

**PLACECOL HIGHVELD
MALL**

Is opsoek na gekwalifiseerde skoonheidsrepeute, stuur cv na Highveld@placecol.com. (Basies en kommissie)

MD029823

**STOELASSISTENT
BENODIG**

Vir tandartspraktijk. Vereistes: Matriek. In diensopleiding word verskaf

Faks CV na 086 666 2065

VS013542

VACANCY

Person with mechanical and auto electrical experience needed.

No chancers! Contactable references essential. Fax CV to: 086 2733 156 or email

luckybreak445@yahoo.co.za

SR077403

**1X TRAINED/
EXPERIENCED
THEATRE SCRUB**

R/N with 2-3 years proven track record. Closing date 4 February 2015.

Send CV to: madelien.d@ephospital.co.za

VP016451

**2X INTENSIVE CARE
UNIT**

Registered Nurses With 2-3-year proven track record. Post basic Intensive Care Qualification is a must. Closing date 4 Feb 2015.

Send CV to: madelien.d@ephospital.co.za

VP016450

**0847
PERSONNEL / HR**

**PRESTIGE PERSONNEL
97 MANDELA STREET,
WITBANK**

TEL: 013 690 2311
FAX: 013 690 1282
prestige@lantic.net
www.prestigepersonnel.co.za

**TO REGISTER YOUR CV
FREE ON LINE, & VIEW
OUR POSITIONS
FACILITATOR/
TRAINING
PRACTITIONER:**

Must have grade 12, Safety training cert/Dip, Reg. Assessor/Moderator (Seta), Group 1: Mining exp/exposure, Group 2: Petro Chemical exp.

Knowledge of Safety & Health, Knowledge of SAQA, SETAX ISO

**CLINICAL CLAIM
ADJUDICATOR:**
Grade 12, including Maths /Accounting. Deg in Nursing/Medical. 4 yrs exp in industry, valid driver's

license, own transport
**MECHANICAL
INSTALLATION:**
Grade 12. To Install maintain conveyor belt accessories: Welding & Cutting exp, Work with hand & power tools, Previously worked on Mine site, Mechanical /technically minded. Must reside in Witbank, valid driver's license, cannot fear working on heights. Must be medically fit, prepared to travel to customer, must be literate, aged 18-30

**SALES REP- Middelburg/
Witbank:**
Course in Sales/ Marketing/ Commercial. Industrial pump sales. Must reside in Middelburg/ Witbank area to sell in Mpumalanga and Northern Region. Sal R25 000 basic + Comm/ Pension/ Petrol & Own Bakkie

**SALES MANAGER-
Middelburg:**
Degree in Business Management/ Marketing. 5 yrs exp. Sal R30 000+Med/ Pension/ Car allowance

**MALE CREDITOR-
Witbank:**
Matric, Studying towards an Accounting qual. Previous exp Own transport

**NEW & USED VEHICLE
SALES**

EXECUTIVE-WITBANK:
Matric. Vehicle, sales exp. Comp lit & Drivers License

AA BRANCH MANAGER-

Nelspruit:
Gr 12, own transport & license, 5-10 yrs retail & distribution exp. Prev exp of managing a team of external sales reps. Finance exp

**PHARMACY FLOOR
SALES PERSON:**
1 Year exp & Own transport

MD030348

**0859
DOMESTIC/GENERAL**

ALICE
Is looking for domestic work. 3-5 days a week. Sleep out.

083 343 8158

VP016474

ANNAH
Soek huiswerk vir 3 of 5 dae week. Slaap uit.

060 652 4298

MD030310

BERNADETT
Is looking for domestic work for 5 or 3 days a week. Sleep in/out. 8 Years experience.

084 876 1169/083 560 0207

VP016529

BETTY
Is looking for domestic work. 5 days a week, Monday to Friday. Sleep in or out

072 425 7534

VS013528

EMALAHLENI LOCAL MUNICIPALITY



Invites all potential service providers to a workshop:

- Clarifying the Municipality's procurement process
- Vetting of companies before getting onto the Municipal procurement database

Date: 10 February 2015

Time: 8:15 - 12:00

Venue: Council Chamber 2nd Floor Emalahleni Local Municipality

All enquiries for database registration must be directed to the Supply Chain Management Unit, at (013) 690 6497, (013) 690 6502, (013) 690 6484.

T VAN VUUREN
ADMINISTRATOR

Civic Centre PO Box 3
Mandela Street eMalahleni
eMalahleni 1035
1035
www.emalahleni.gov.za

Notice number: 07/2015

w6feb1eMalahleni.service.providers/es

NKANGALA DISTRICT MUNICIPALITY

NOTICE FOR PUBLIC COMMENTS AS PER SECTION 21A OF THE MUNICIPAL SYSTEMS ACT, 32 OF 2000.

NKANGALA DISTRICT MUNICIPALITY (NDM)

2014 REVIEW OF PROJECT MANAGEMENT POLICY:

CONDITIONS APPLICABLE TO APPOINTMENT OF CONSULTING ENGINEERS AND EXECUTION OF PROJECTS

NDM is in a process of reviewing the project management policy which was approved by Council as draft as per resolution DM107/10/2014. This policy impact on administration of projects and procurement of tender documents.

Section 21A of the Municipal Systems Act 32 of 2000 provides that documents impacting community must be made available for public, with a reason for notifying local communities of the review and invite local community to submit written comments or representations to the municipality in respect of the relevant document.

The reviewed draft project management policy is available on the Council's website, www.nkangaladm.gov.za and can be viewed at the Nkangala Municipal District offices, 2A Walter Sisulu street, Middelburg 1050 (MP)

Formal written comments or representations can be forwarded electronically to Mr Ntekele Risimati at the following email address: ntekelefr@nkangaladm.gov.za or delivered (clearly marked) to the tender box at the Nkangala District Municipal offices, 2A Walter Sisulu street, Middelburg 1050 (MP) on or before the **13 February 2015**.

Telephonic enquiry can be directed to Technical Services Department on the following contacts:
013 249 2040/2039/2037

MM Skosana - Municipal Manager
Nkangala District Municipality



NOTICE OF PUBLIC MEETING

TO BE HELD IN FULFILMENT OF THE REQUIREMENTS OF THE PROCESSES RELATED TO AN BASIC ASSESSMENT APPLICATION

Notice is hereby given of the intent to hold a Public Meeting as required in terms of the provisions contained in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

DEA Reference Number: 12/9/11/L 144116/6

DEDET Reference Number: 17/2/3N - 386

The following activities related to the above are being applied for:

- NEMA Activity:** 1. GNR 544 – Activity 27 (iv)
NEM: WA Activity: 1. GNR 921, Category A – Activity 14

The following topics will be discussed:

- The Environmental Legal Authorisation Requirements relevant to the project;
- The Draft Basic Assessment Report (BAR)
- The Waste Licence Application (WLA);
- The way forward in the BA process.

Applicant: Samancor Chrome Ltd – Ferrometals

Process Description: The proposed project will include applications for authorisation for the decommissioning of the three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.

Project Location:

The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

Consultant: Kobus Du Plessis
JMA Consulting (Pty) Ltd
Tel: 013 665 1788
Fax: 013 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210



Date of Publication: 06 February 2015
Public Participation: In accordance with EIA regulations you are hereby then cordially invited to attend the Public Meeting scheduled for **10:00 on 19 February 2015** at the Emalahleni Local Municipality Committee Room which is located at 66 Mandela Street on the corner of Mandela and Hofmeyer Street, Witbank.

It is important to note that this Environmental Impact Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of 1998), will be conducted in conjunction with an Waste Licence Application in turns of the National Environmental Management: Waste Act (Act 59 of 2008), during which all Interested and Affected Parties must be informed and consulted.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter, in writing, to the consultant, Mr Kobus Du Plessis, as given above by means of fax, e-mail or post.

If any further information is required please do not hesitate to contact us.

PUBLIC NOTICE

Nkangala District Municipality

NOTICE OF PUBLIC MEETINGS ON THE PROPOSED MUNICIPAL HEALTH SERVICES BY-LAWS AND REQUEST FOR PUBLIC COMMENT

Nkangala District Municipality herewith gives a Notice to all stakeholders that the Municipal Council has approved in principle the Draft NDM Municipal Health Services (Environmental Health Services) By-laws in terms of National Health Act (Act 61 of 2003). Hence, in terms of sections 11 and 12 of the Local Government: Municipal Systems Act (Act 32 of 2000), the Municipality hereby publishes and invites comments from the public to make representations with regards to the proposed by-laws.

The purpose of the Proposed NDM Municipal Health Services By-laws is to enable the Council to:

- Give effect to Section 24 of the Constitution of the Republic of South Africa including the National Health Act, 61, 2003; Foodstuff Cosmetics and Disinfectant Act 1972; National Water Act 36, 1998 and SANs; National Building Act; National Environmental Management Act 1998 and other MHS associated regulations and policies;
- Provide for the rendering of effective, efficient and sustainable municipal health services throughout the Nkangala District by setting minimum municipal health services standards to prevent disease, prolong life, protect and promote the health and well-being of people in the municipal area.

KINDLY TAKE NOTICE that members of the public are invited to:

1. Submit input and comments on the draft Nkangala District Municipality Municipal Health Bylaws within 30 days from publication of this advert. All comments and inputs must be done in writing and should be addressed to the Acting Manager: Social Services-Mahlangu VM; Nkangala District Municipality; 2A Walter Sisulu Street; MIDDELBURG 1050; Attention: Mr. Solly Links; Tel : 0132492161/2164/2018; Email : linkss@nkangaladm.gov.za
2. Attend Public Participation Meetings that will be held on the following dates and times at the venues mentioned below:

LOCAL MUNICIPALITY	DATE	VENUE	TIME
Emakhazeni Local Municipality	10 Feb 2015	Beyers Naude Hall	18h00
Steve Tshwete Local Municipality	11 Feb 2015	Nkangala District Chamber	18h00
Emalahleni Local Municipality	18 Feb 2015	Emalahleni City Hall	18h00
Victor Khanye Local Municipality	13 Feb 2015	Bramfischer Hall at Municipal Offices	18h00
Thembisile Hani Local Municipality	16 Feb 2015	Kwaggafontein Hall	18h00
Dr J S Moroka Local Municipality	17 Feb 2015	Siyabuswa Community Hall	18h00

A copy of the draft Bylaw which will be discussed is obtainable from the local municipality office or website www.nkangaladm.gov.za or from Mr. Solly Links, Social Services Department, Nkangala District Municipality Tel: 013 249 2161 /2018 during office hours.



Middelburg Observer

● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd ● Classified ● Geklassifiseerd

OUR POSITIONS FACILITATOR/ TRAINING PRACTITIONER:

Must have grade 12. Safety training cert/Dip. Reg. Assessor/Moderator (Seta), Group 1: Mining exp/exposure, Group 2: Petro Chemical exp. Knowledge of Safety & Health, Knowledge of SAQA, SETAX ISO **CLINICAL CLAIM ADJUDICATOR:** Grade 12, including Maths /Accounting. Deg in Nursing/Medical. 4 yrs exp in industry, valid driver's license, own transport **MECHANICAL INSTALLATION:** Grade 12. To Install maintain conveyor belt accessories: Welding & Cutting exp, Work with hand & power tools. Previously worked on Mine site, Mechanical /technically minded. Must reside in Witbank, valid driver's license, cannot fear working on heights. Must be medically fit, prepared to travel to customer, must be literate, aged 18-30 **SALES REP- Middelburg/ Witbank:** Course in Sales/ Marketing/ Commercial. Industrial pump sales. Must reside in Middelburg/ Witbank area to sell in Mpumalanga and Northern Region. Sal R25 000 basic + Comm/ Pension/ Car allowance **MALE CREDITOR- Witbank:** Matric, Studying towards an Accounting qual. Previous exp Own transport **NEW & USED VEHICLE SALES EXECUTIVE-WITBANK:** Matric. Vehicle, sales exp. Comp lit & Drivers License **AA BRANCH MANAGER-Nelspruit:** Gr 12, own transport & license, 5-10 yrs retail &

distribution exp. Prev exp of managing a team of external sales reps. Finance exp **PHARMACY FLOOR SALES PERSON:** 1 Year exp & Own transport

MD030348
0853 SECRETARY / PA

MAKELAARS ASSISTENT KORTERMYN/LEWENS
A + 1 Makelaars is opsoek na 'n dinamiese persoon. Kandidate moet aan die volgende vereistes voldoen.
• Rekenaarvaardig, Tweetalig (Afr/Eng), goeie kommunikasie vermoë, onafhanklik kan optree, bestuurslisensie, ondervinding in kortermynversekering met 'n minimum van 60 krediete.
• RE eksamen geslaag en ondervinding in lewensversekering sal 'n kompererende voordeel wees.
CV kan persoonlik afgegee word of gefaks word na **013 282 8853** attiebritz@telkomsa.net **Attie 082 492 4495** **Inus 082 497 6908** SR077459

0859 DOMESTIC/GENERAL

ADLEIGHT
Seeks domestic work from Monday to Friday. Not sleep in. **CALL 072 160 4606** SR077443

AFRICA
Seeks domestic work full time or for 3 days per week. Sleep out. **CALL 060 692 9744** SR077423

ANDILE
Seeks domestic work or any job from Monday to Friday. Sleep in or out. Has a reference. **CALL 072 172 7360** SR077341

ANNAH
Benodig graag huiswerk van Maandag tot Vrydag. Nie inslaap nie. **SKAKEL 073 958 0321** SR077429

ANNAH
Benodig graag huiswerk vir 5 dae per week. Met of sonder akkommodasie. Kan skoonmaak wasgoed was en stryk. **082 052 3687** SR031655

ANNAH
Benodig huiswerk vir Maandag tot Vrydae. Het nie akkommodasie nodig nie. Kan mooi Skoonmaak **079 358 0403** SR031646

ANNAH
Benodig huiswerk. Maandae tot Sondag, kan mooi skoonmaak, wasgoed was en stryk. **063 183 8390/086 962 4158** SR031656

ANNASTANCIA
Seeks house work for Monday to Friday. Accommodation needed. All washing, ironing. **084 810 6045** SR031612

ARGATHA
Seeks domestic work for 2 days per week. Tuesday and Thursday. Has a reference. **CALL 061 201 5748** SR077426

BEKIMPILO
Seeks domestic work from Monday to Friday. Not sleep in. **CALL 074 866 8311** SR077431

BETTY
Benodig huiswerk vir 1 of 2 dae per week. Nie inslaap nie. Verwysing beskikbaar van werkgewer. **SKAKEL 083 926 7036** SR077338

BONGI
Hopes for employment as a domestic for 3/5 days per week. She has a ref. & doesn't need accomm. She also understands Eng. **Call 082 295 8569** SR031624

CATHERINE
Seeks domestic work from Monday to Saturday. **PLEASE CALL 060 753 1596** SR077320

CHRISTINA
Benodig graag huiswerk vir Maandag, Woensdag en Vrydag. Het 6 jaar gewerk by vorige werkgewer - verhuis. **SKAKEL 072 478 0043** SR077334

DEIPHIA
Seeks domestic work for 5 days per week. Sleep out. **CALL 072 241 1991** SR077335

DEMETRIAH
Seeks domestic employment for 3/5 days per week. No accommodation needed. All cleaning, washing & ironing. **Contact 078 595 4157** SR031652

DINAH MASANABO
Seeks domestic work for 3 days. Monday, Wednesday and Friday. Has a reference and she is a hard worker. **Contact 072 662 0961** SR031722

ELISA
Benodig huiswerk vir Maandae/Vry /Sat. Inslaap. Kan mooi skoonmaak, wasgoed was en stryk. **076 795 3466** SR031617

ELIZABETH
She is in search of employment as a domestic. Elizabeth can work 2 days of the week. (Tuesday & Thursday) No accommodation needed. **Call 071 581 5303** SR077317

ELSIE
Benodig huishoudelike werk vir Ma-Vry by verskillende eienaars. 3 dae by een en 2 dae by die ander een. Sy praat Afr. Skoonmaak, was en stryk **Skakel 079 070 1807** SR031616

ELSIE
Benodig huiswerk vir Maandag tot Donderdag. **Skakel 072 710 4056** **Verwysing: 084 807 6520** SR031683

ELSIE
Seeks domestic work for 2 /3 days per week. All cleaning, washing, ironing. **076 059 6958** SR031659

ELSIE SHONGWE
Soek graag huiswerk. Maandag, Donderdag en Vrydag. Kan Engels/Afrikaans en Zulu praat. Mooi huis skoonmaak en kinders oppas. **SKAKEL 063 117 8090** SR077464

MADLINE
Seeks domestic work from Monday to Friday. Sleep in. **CALL 083 329 3327** SR077476

ESTHER
Benodig huiswerk vir Maandag, Dinsdag, Woensdag & Vrydag. Het 'n verwysingsbrief. **Skakel 076 559 0426** SR031614

ESTHER SESI
Seeks homework, for Monday to Friday. Cleaning, ironing and caring of children. **071 533 6695** SR031688

FANANG LETHOKO
Seeks domestic work for Monday to Friday. Sleep out. All cleaning, washing & ironing. **083 669 1904** SR031611

JENNIFER RUNGANO
Seeks domestic work with accommodation, 22 year old young lady willing to do all cleaning, washing and ironing. **078 836 6114** SR031725

KHELINA
Seeks domestic work from Monday to Friday. Sleep out. Please call me: **073 019 9439** SR077337

KHETHIWE NKOSI
Seeks domestic work for Monday to Friday. No accommodation needed. All cleaning, washing and ironing. Looking after children. **076 486 5925** SR031673

LETTIE MAHLANGU
Benodig huiswerk van Maandag tot Vrydag. Kan mooi skoonmaak, was en stryk. Inslaap. **Skakel 072 450 8982** SR077392

LILLIAN MAHILOANE
Benodig werk as 'n huishoudster. 3 Dae per week. Kan mooi skoonmaak, stryk en na kinders omsien. **Kontak 078 463 3403** SR031667

LINAH IS LOOKING FOR WORK
She is hard working and reliable. Looking for 2 days per week. For reference contact: **073 636 4740 or Linah at 076 530 2893** SR031560

LINDIWE
Seeks domestic employment for 5 days a week. Cleaning, washing, ironing. With or without accommodation. **076 401 0279** SR077442

LOUISA
She is in need of employment as a domestic for 2 days. Louisa is prepared Tuesday and Thursday. Very friendly. **Call 071 493 0519** SR077318

MAGDELINE
Benodig baie graag huiswerk van Maandag, Woensdag en Vrydag. **SKAKEL 076 294 1161** SR077428

MAGDELINE MAGANE
Is Betroubaar en deeglike huishulp. Benodig werk vir Maandag, Dinsdag & Donderdag. Kan Afrikaans en Engels praat. **Skakel 076 982 6547** SR077329

MARIA MBOKANE
Seeks domestic work from Monday to Friday. NO accommodation is needed. **072 509 6640** SR031685

PUBLIC NOTICE

Nkangala District Municipality

NOTICE OF PUBLIC MEETINGS ON THE PROPOSED MUNICIPAL HEALTH SERVICES BY-LAWS AND REQUEST FOR PUBLIC COMMENT

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1. Submit input and comments on the draft Nkangala District Municipality Municipal Health Bylaws within 30 days from publication of this advert. All comments and inputs must be done in writing and should be addressed to the Acting Manager: Social Services-Mahlangu VM; Nkangala District Municipality; 2A Walter Sisulu Street; MIDDELBURG 1050; Attention: Mr. Solly Links; Tel : 0132492161/2164/2018; Email : linkss@nkangaladm.gov.za
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Thembisile Hani Local Municipality	16 Feb 2015	Kwaggafontein Hall	18h00
Dr J S Moroka Local Municipality	17 Feb 2015	Siyabuswa Community Hall	18h00

A copy of the draft Bylaw which will be discussed is obtainable from the local municipality office or website www.nkangaladm.gov.za/ or from Mr. Solly Links, Social Services Department, Nkangala District Municipality Tel: 013 249 2161 /2018 during office hours.

● NOTICES ● NOTICES ●



STEVE TSHWETE LOCAL MUNICIPALITY

PUBLIC NOTICE: CALLING FOR INSPECTION OF THE SUPPLEMENTARY VALUATION ROLL DATED 30 JANUARY 2015 AND LODGING OF OBJECTIONS

Notice is hereby given in terms of Section 78 (2) of the Local Government: Municipal Rates Act, 2004 (Act 6 of 2004) hereinafter referred to as the "Act" that the supplementary valuation roll dated 30 January 2015 for the financial years 1 July 2013 to 30 June 2017 is open for public inspection at the Department of Property & Valuation Services, Room B201, First Floor, Municipal Building, Corner Walter Sisulu Street and Wanderers Avenue, Middelburg from 16 February 2015 to 10 April 2015. In addition the supplementary valuation roll is available at this Municipality's official website: www.stevetshwetelm.gov.za.

An invitation is hereby made in terms of Section 78(2) of the Act that every person who wishes to lodge an objection in respect of any matter in, or omitted from the supplementary valuation roll, shall do so within the above-mentioned period with the Municipal Manager.

Attention is specifically drawn to the fact that in terms of Section 50(2) of the Act an objection must be in relation to a specific individual property and not against the supplementary valuation roll as such. The form for the lodging of an objection is obtainable at the Department of Property & Valuation Services, Room B201, First Floor, Municipal Building, Corner Walter Sisulu Street and Wanderers Avenue, Middelburg or at this Municipality's official website: www.stevetshwetelm.gov.za.

The completed form must be returned to the Municipal Manager by hand at the Department of Property & Valuation Services, Room B201, First Floor, Municipal Building, Corner Walter Sisulu Street and Wanderers Avenue, Middelburg by no later than 10 April 2015 at 13h00.

For enquiries, please phone Ms Nonkululeko Nkosi of the Department of Property & Valuation Services at Tel: (013) 249-7249.

Any person who cannot read or write can visit Ms Nonkululeko Nkosi of the Department of Property & Valuation Services, Room B201, First Floor, Municipal Building, Corner Walter Sisulu Street and Wanderers Avenue, Middelburg where he/she will be assisted with the transcription of this notice and the completion of an objection form if required.

S M MNGUNI
ACTING MUNICIPAL MANAGER

m6feb/steve/km

NOTICE OF PUBLIC MEETING

TO BE HELD IN FULFILMENT OF THE REQUIREMENTS OF THE PROCESSES RELATED TO AN BASIC ASSESSMENT APPLICATION

Notice is hereby given of the intent to hold a Public Meeting as required in terms of the provisions contained in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

DEA Reference Number: 12/9/11/L144116/6
DEDET Reference Number: 17/2/3N - 386

The following activities related to the above are being applied for:


NEMA Activity:	NEM: WA Activity:
1. GNR 544 – Activity 27 (iv)	1. GNR 921, Category A – Activity 14

The following topics will be discussed:

- The Environmental Legal Authorisation Requirements relevant to the project;
- The Draft Basic Assessment Report (BAR)
- The Waste Licence Application (WLA);
- The way forward in the BA process.

Applicant: Samancor Chrome Ltd – Ferrometals
Process Description: The proposed project will include applications for authorisation for the decommissioning of the three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.
Project Location: The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

Consultant: Kobus Du Plessis
JMA Consulting (Pty) Ltd
Tel: 013 665 1788
Fax: 013 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883, Delmas, 2210


JMA Consulting (Pty) Ltd
Sustainable Environmental Solutions through Integrated Science and Engineering

Date of Publication: 06 February 2015
Public Participation: In accordance with EIA regulations you are hereby then cordially invited to attend the Public Meeting scheduled for **10:00 on 19 February 2015** at the Emalahleni Local Municipality Committee Room which is located at 66 Mandela Street on the corner of Mandela and Hofmeyr Street, Witbank.

It is important to note that this Environmental Impact Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of 1998), will be conducted in conjunction with a Waste Licence Application in terms of the National Environmental Management: Waste Act (Act 59 of 2008), during which all Interested and Affected Parties must be informed and consulted.

In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter, in writing, to the consultant, Mr Kobus Du Plessis, as given above by means of **fax, e-mail or post**.

If any further information is required please do not hesitate to contact us.

APPENDIX 3.1.9

PROOF OF SITE NOTICES (PUBLIC MEETING)

NOTICE OF PUBLIC MEETING

TO BE HELD IN FULFILMENT OF THE REQUIREMENTS OF THE PROCESSES RELATED TO AN BASIC ASSESSMENT APPLICATION

Notice is hereby given of the intent to hold a Public Meeting as required in terms of the provisions contained in *inter alia* the EIA Regulations, GNR 543 of 18 June 2010 published in terms of the National Environmental Management Act, (Act No 107 of 1998) and the National Environmental Management: Waste Act (Act 59 of 2008) as they relate to applications for the Samancor Chrome Ltd – Ferrometals Project.

THE FOLLOWING ACTIVITIES/WATER USES RELATED TO THE ABOVE ARE BEING APPLIED FOR:

- NEMA Activities:
 - 1. GNR 544 – Activities 27 (iv)
- NEM:WA Activities:
 - 1. GNR 921, Category A – Activity 14

I&AP MEETING (19 FEBRUARY 2015 – 10:00)

The I&AP meeting will take place at the Emalahleni Local Municipality Committee Room which is located at 66 Mandela Street on the corner of Mandela and Hofmeyer Street, Witbank where the following topics will be under discussion:

- The Environmental Legal Authorisation Requirements relevant to the project;
- The Draft Basic Assessment Report (BAR)
- The Waste Licence Application (WLA);
- The way forward in the BA process.

APPLICANT:

Samancor Chrome Ltd – Ferrometals

PROPOSED ACTIVITY

The proposed project will include applications for authorisation for the decommissioning of the three historical slimes dam footprints at Ferrometals – A Business Unit of Samancor Chrome Ltd, in Emalahleni.

PROJECT LOCATION

The Ferrometals Operations site is located within the Ferrobank industrial area of Witbank, to the east of Moses Kotane Drive. The current developed portion of the plant site covers about 200 ha, draining roughly from east to west, hence towards Moses Kotane Drive.

DATE OF THIS ADVERTISEMENT

06 February 2015

CONSULTANT

JMA Consulting (Pty) Ltd
Contact: Kobus du Plessis
Tel: (013) – 665 1788
Fax: (013) – 665 2364
Email: kobus@jmaconsult.co.za
Postal: P.O. Box 883
Delmas, 2210



JMA Consulting (Pty) Ltd
Sustainable Environmental Solutions
through
Integrated Science and Engineering

It is important to note that this Basic Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of 1998), will be conducted in conjunction with an Waste Licence Application in turns of the National Environmental Management: Waste Act (Act 59 of 2008), during which all Interested and Affected Parties must be informed and consulted.

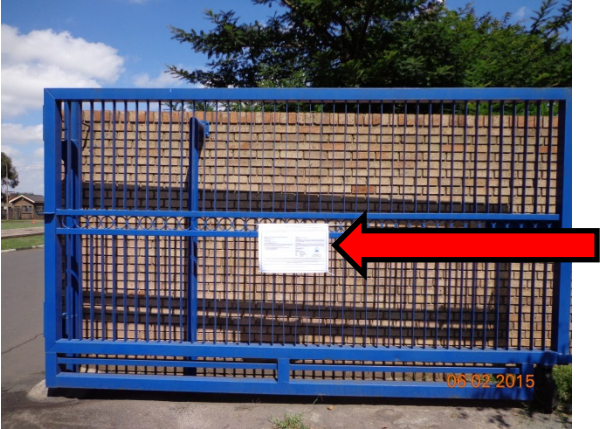
In order to ensure that you are identified and registered as an Interested and Affected Party please submit your name, contact information and interest in the matter, in writing, to the consultant, Mr Kobus Du Plessis, as given above by means of fax, e-mail or post. You are also cordially invited to attend the Interested & Affected Party Meeting scheduled for

10:00am on 19 February 2015,

Emalahleni Local Municipality Committee Room which is located at 66 Mandela Street on the corner of Mandela and Hofmeyer Street, Witbank, where further registration as I&AP can be done.

If any further information is required please do not hesitate to contact us.

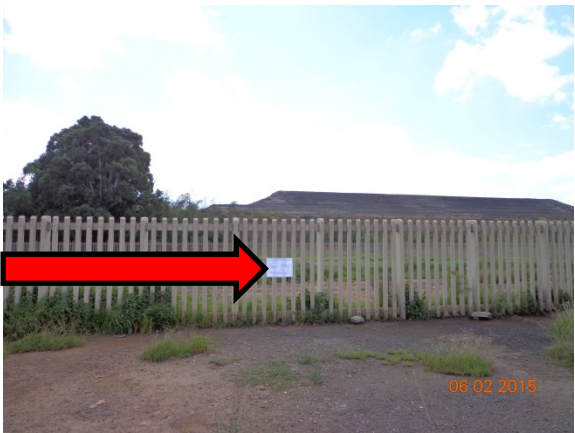
Site Notices were put up at the Ferrometals Front Gate



Site Notices were put up along the Ferrometals fence line.



Site Notices were put up along the Ferrometals fence line.



Site Notices were put up on the Emalahleni Local Municipality Notice Board (where the venue for the Public Meeting is).



Site Notices were put up on the Emalahleni Public Library Notice Board.



Ferrometals Site Notices – Scoping Phase Public Meeting		
Site Notice	Longitude	Latitude
Ferrometals Front Gate	29.172059°	-25.856002°
Ferrometals fence line	29.169914°	-25.851693°
Ferrometals fence line	29.170442°	-25.846390°
Emalahleni Local Municipality Notice Board (where the venue for the Public Meeting is)	29.213996°	-25.874146°
Emalahleni Public Library Notice Board	29.215967°	-25.873835°

APPENDIX 3.1.11
MINUTES OF PUBLIC MEETING

To be included in Final Basic Assessment Report

APPENDIX 3.1.12

PROOF OF DISTRIBUTION – DRAFT BAR

To be included in Final Basic Assessment Report

APPENDIX 3.1.15
ISSUES AND RESPONSE REGISTER

To be included in Final Basic Assessment Report

APPENDIX 3.1.15
ISSUES AND RESPONSE REGISTER

To be included in Final Basic Assessment Report

APPENDIX 3.1.17

PROOF OF SUBMISSION – FINAL BAR

To be included in Final Basic Assessment Report

APPENDIX 9.2

CV AND DECLARATION OF INTEREST: JASPER MULLER

Jasper L Müller (Pr.Sci.Nat.)



Date of Birth: 16 November 1957

Nationality: S A Citizen

Position in firm: Managing Director

Qualification:

B. Sc.: Geology and Geohydrology, UOFS, 1979

B. Sc. (Hons): Geohydrology, UOFS, 1980

M. Sc. (Cum Laude): Geohydrology, UOFS, 1984

Memberships:

Geological Society of SA : Ground Water Division
South African Council for Natural Scientific Professions
National Groundwater Association.

Period employed:

1981 Hydrologist with Dept. of Water Affairs.

1983 Researcher with Institute for Ground Water Studies, UOFS.

1987 Divisional Head, Geohydrology, Environmental Science Services

1988 Founded Jasper Müller Associates.

Jasper Müller received his training as geohydrologist at the Institute for Ground Water Studies (University of the Free State). He worked at IGS as Researcher / Lecturer, specialising in numerical aquifer analyses.

He left IGS in 1986 and joined the consulting firm Terradata, where he was involved in projects related to ground water pollution and water supply.

In 1987 he was appointed at the consulting firm Environmental Science Services. His responsibility was to structure and build a division for water sciences (ground water and surface water). During his tenure at ESS he also floated a division on ground water monitoring.

During 1988, Jasper founded JMA, which has since evolved into a consulting firm employing 17 people. JMA is a multi-disciplinary team specialising in geohydrology.

Since 1988 Jasper Müller was involved on a consulting level on more than 200 JMA projects related to water supply, aquifer management, ground water quality investigations, ground water monitoring, ground water impact and risk modelling, ground water pollution remediation and litigative consultative work.

E-mail: jasper@jmaconsult.co.za

I, **Jasper Lodewyk Muller**, acting as independent Environmental Practitioner on this project, declare that:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work:
- I have expertise in conducting environmental impact assessments, including knowledge of the National Environmental Management Act (107 of 1998), the Environmental Impact Assessment Regulations of 2010, and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2010.

Signature of the environmental practitioner:

JMA CONSULTING (PTY) LTD

Name of company:

Date:

3/2/2015

Signature of the Commissioner of Oaths:

Date:

3/2/2015

Designation:

EUGENE VAN NIEKERK
KOMMISSARIS VAN EDF
(MRO - 9/1/8/2 DELMAS (AUS))
PRAKTISERENDE REKENMEESTER
SAMUELWEG 5
DELMAS 2210

APPENDIX 9.10.1

INDUCTIONS, TRAINING AND EMERGENCY ACTION PLANS



Chrome Recovery Plant SHE Induction

Document No.:	SO-LGCR-000	Document Owner:	SHEQ Practitioner
Revision No.:	12.0	Approver:	Departmental Manager
Implementation Date:	01/09/2006	Date Approved:	19/04/2011

PURPOSE

Zero Harm to Employees, Contractors and the Environment

REVIEW AND APPROVAL SIGNATURES

ROLE	RESPONSIBILITY	SIGNATURE	REVIEW DATE
ORIGINATOR	SHEQ Practitioner		
REVIEWER 1	Superintendent		
REVIEWER 2	Maintenance Supervisor		
REVIEWER 3			
APPROVED BY	Departmental Manager		

DOCUMENT REVISION CONTROL

REVISION NUMBER	PAGE NUMBER/S	CHANGE EFFECTED	DATE OF ISSUE
4.0	3	Include principle for no risk assessment- no work permit- no work.	01/09/2006
5.0	4	Procedures in case of emergency; Emergency contact no's.	24/08/2007
6.0	4,5	Environment.	05/03/2008
7.0	2	Background.	07/07/2008
8.0	3	Include handling of contaminated PPE.	28/01/2009
9.0	4	Add Top 10 Risks	31/01/2010
10.0	3,4,6	Changed SHER to SHEQ, add 3 Critical SOP's, deleted ISO 14001 and added Radio Channel 11.	09/03/2010
11.0	All	Complete revision.	19/04/2011

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SO-LGCR-000	12.0	19/04/2011	1 of 7

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1. Background

The function of the Chrome Recovery plant is to recover ferrochrome from slag dumps, ferrochrome slag and/or furnace scrap. This is achieved through the processes of crushing, screening and density separation. The plant is operational 24/7, 365 days/year. Operational delays could cause loss of production at high costs.

2. Scope

All persons entering the premises shall undergo this specific induction and shall complete the Declaration of Understanding before access onto the premises will be granted.

This specific induction will be conducted on an annual basis so as to keep up with revisions in procedures and changes in the work environment.

The only exception will be when the person entering the plant is under the direct supervision of a CRP employee for the full duration of such a person being in the plant.

3. Chrome Recovery Plant.

The principle of No Risk Assessment - No Work Permit – No Work shall be adhered to at all times.

All visitors and contractors shall report to the shift supervisor in the control room, in order to complete the required documentation i.e, risk assessment as well as the isolation and work permits as the situation requires.

Work permit holders may only work on equipment for which they have been authorised, deviations will not be tolerated and disciplinary action could be taken against offenders.

4. Housekeeping

Excellent housekeeping standards are to be maintained at all times and are thus not negotiable. It is the duty of every person to ensure that his workplace is kept clean and organized.

5. SHEQ

You are hereby informed that the following Critical Safe Operating Procedures are relevant to the Chrome Recovery Plant and you are responsible to ensure that you are fully aware of and trained with regards to the content of these procedures before performing any work or tasks related to these procedures. Follow the path: EBMS/Business Processes/HQMS/Logistics/CRP

- SO-CR-008 Maintenance and repairs to Warman centrifugal pumps
- SO-CR-009 Maintenance and Repairs to Bucket Elevator
- SO-CR-024 Maintenance and Repairs to Primary Jaw Crusher

Personal Protective Equipment

Signs have been erected in all areas indicating which PPE is mandatory to be worn. No deviation from the PPE standards will be tolerated and could lead to disciplinary action being taken against offenders.

All PPE contaminated with Hazardous Chemical Substances (HCS) must be treated as HCS waste.

Hazards and Risks (Typical)

- Movement of Surface Mobile Equipment, LDV's, Trucks

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- Dust generated by the loading / unloading of materials
- Noise
- Hot metal slag
- Conveyors starting without alarm while on manual test and local selection and other moving machinery
- Electricity
- Slips, trips and falls
- Working at heights
- Splatter during grinding and welding
- Falling objects
- High walls on stock piles
- Vibration
- Electro Magnetic Fields
- Chemicals and Acids
- Drowning

Top 5 Risks

- Contractor Management
- Plant and Equipment
- Slag Processing
- Human Behavior
- Surface Mobile Equipment

NB: Under no circumstances will materials be offloaded directly underneath power lines or closer than 10 meters from the outer power lines. Safety berms may not be breached and shall be maintained in accordance with the dump management procedures.

Environment

Waste

Waste disposal systems are indicated by the appropriate signage and color coded waste bins to ensure segregation of different types of waste.

- In the event of a spill or disposal of a material, consult with the MSDS to find out the method to dispose of the material. In the case of hazardous materials/chemicals it is very important to obey instructions in the MSDS due to the possible health and environmental effects. Specific attention should be paid to:
 - **Flocculent**
 - Handling
 - Storage
 - Disposal
 - **Ferro Sulphate**
 - Handling
 - Storage
 - Disposal
- Hazardous chemicals on site should be stored in a safe manner. Certain chemicals cannot be stored together, may be flammable, corrosive, explosive or toxic.
- Contact the SHEQ dept or your SHEQ practitioner if in doubt about how to deal with an unknown substance.

Report any spillages of fluids and materials immediately which could contaminate the environment.

Drinkable water is indicated by the appropriate signage.

Air

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- The quality of the air around us will surely have an impact on our health – good/poor quality air?
- The quality of air also impacts on the environment.
- Therefore, by reducing operational impacts on the air around us, we will contribute to reduced air pollution and improve air quality.
- **Air Pollution**
 - The reduced quality of air in the environment caused by emission of dust, fumes, smoke etc. into the atmosphere.
 - There are several sources of air pollution at this site. The crushing and screening of raw materials and final products and moving of materials via heavy vehicles. etc.

What can we do to improve Air quality?

- Improve house keeping in your work area.
- Report all air pollution incidents on IMS.
- Water spray from Bulk Mech should consistently water the area.
- Ensure that all dust suppression system is in good working condition.
 - During crushing, screening, handling and at transfer points loses should be managed. Not only due to wastage, but also due to the environmental impacts.
 - Loses end up being area sources from which dust is emitted into the air, thus causing air pollution and potential health problems.
 - Loses also end up in the storm water drains, canals and dams thus silting up these facilities and contributing to water contamination.
 - Another implication - more maintenance required on process water circuit and higher cost of water treatment.

Water

- All process water equipment and facilities such as, slimes dam, sumps, jigging plant etc. should be maintained to avoid overflow, leaks and sludge build up that may lead to pollution of the environment.
- Overflow, spillage and leaks also contribute to wastage of water. Our water management system is a closed circuit and such loses mean that any shortage of water will need to be replaced with potable municipal water.
- Several Acts have implications with respect to water, its use and impacts on it.
- The most important to note are the National Water Act and the National Environmental Management Act.
- The National Water Act stipulates how water is managed, regulated and what the requirements are should water be needed for any one of the listed water-use activities.
- The NEMA stipulates the responsibilities for water use and impacts related to water use on the environment.
- Also, keep in mind the Constitution – everyone has a right to a clean and healthy environment. Any impact on a water resource implies that someone's right is possibly being violated and the responsible party will need to rectify the cause of the impact.

Slag & Slimes

- Therefore spillages of slimes, sludge and slag are increasing the waste load and footprint on our site and must be avoided. Consider that maintenance of equipment used to convey and process this material is critical to avoid spillages.

Quality

- The output streams of the jigs are sampled via auto samples 24/7 and submitted to the laboratory for analysis to ensure that customer specifications are met, prior to the final product being transported to the Final Product section. Sample analysis is also used to determine the yield quality of the recovery and to optimize the operation of the jigs.

Emergencies

In the case of an emergency do the following:

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- Adhere to the siren.
- All personnel and contractors must evacuate the plant.
- Report to the assembly point.
- Coordinator will complete attendance register.
- Wait until the area is cleared and declared safe to enter.

The emergency telephone numbers and ambulance pick up numbers that you should know are as follow:

First Aid – 7002 or 5899

Fire – 7001

Security – 7278

In the event of the telephone lines being out of order, please use Radio Channel 11.

Ambulance Pick up point: Work shop – 08 / Plant - 09

Policies, Procedures and Simple Safety Systems

The relevant policies, safe operating procedures and leading indicators comprising of near miss reporting, behavior observations, planned task observations and layered audits, as well as the red stop card and the brother's keeper principle shall be discussed as part of this induction process.

- **Speed Limit**
25km/h on the premises unless otherwise indicated by the appropriate signage.
- **Sleeping**
Sleeping on the premises is not permitted.
- **Reporting of Incidents/Injuries**
Report all injuries and/or incidents immediately to your Supervisor on the same shift it occurred.

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Logistics Plant Specific Induction

Document No.:	SO-LGGEN-000	Document Owner:	SHEQ Practitioner
Revision No.:	4.3	Approver:	Departmental Manager
Implementation Date:	2011/07/28	Date Approved:	2012/10/15

PURPOSE

ZERO HARM TO EMPLOYEES, CONTRACTORS AND THE ENVIRONMENT

REVIEW AND APPROVAL SIGNATURES

ROLE	RESPONSIBILITY	SIGNATURE	REVIEW DATE
ORIGINATOR	SHEQ Practitioner		
REVIEWER 1	Logistics Superintendent		
REVIEWER 2	CRP/MHM Superintendent		
REVIEWER 3	Logistics Specialist		
REVIEWER 4	Logistics Specialist		
REVIEWER 5	Maintenance Specialist		
APPROVED BY	Departmental Manager		

DOCUMENT REVISION CONTROL

REVISION NUMBER	PAGE NUMBER/S	CHANGE EFFECTED	DATE OF ISSUE
1.0	All	New combined Plant Specific Induction	2011/07/28
2.0	All	Complete revision	2012/02/29
3.0	21 & 22	Add action groupings	2012/08/16
4.0	All	LAB induction removed due to structural changes	2012/10/12

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SCOPE

Every person entering the Logistics/CRP areas shall undergo this specific induction and shall complete the Declaration of Understanding before access into the area will be granted. This specific induction may be followed by a tour of the area so as to familiarize the inductee with plant conditions.

Plant Specific Induction will be conducted on an annual basis so as to keep up with revisions in procedures and changes in the work environment. The only exception will be when the person entering the Logistics/CRP areas is under the direct supervision of a permanent employee for the full duration of such a person being in the Logistics/CRP areas provided that, that person will not be doing any physical work.

The principle of No Risk Assessment - No Work Permit – No Work, shall be adhered to at all times.

All visitors and contractors shall report to the responsible supervisor, in order to complete the required documentation i.e., risk assessment as well as the isolation and work permits as the situation requires before commencing with any work. Work permit holders may only work on equipment for which they have been authorised, deviations will not be tolerated and disciplinary action could be taken against offenders.

Any MHM employees who will be required to perform work in the Laboratory need to do LAB Plant Specific Induction on an annual basis as well – this process must be controlled and coordinated by the MHM Supervisor and the Logistics SHEQ Practitioner as early as possible in January every year.

This Induction is divided into sub areas:-

1. RAW MATERIALS HANDLING



Background

The function of the Raw Materials department is to order, expedite, receive and stockpile raw materials used by the production units.

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Receiving raw materials by road

Raw materials received by road are weighed in at the Road-and-Perimeter Weighbridge. On weighing in of the full truck the weighbridge controller instructs the driver on where to off-load the raw materials using a site plan.

NB: Under no circumstances will raw materials be offloaded directly underneath power lines or closer than 10 meters from the outer power lines.

Raw materials shall not be off-loaded inside the raw material barricades but directly in front of it, after which a FEL shall push up the material into the barricade.

New truck drivers must be accompanied by a raw materials employee to the off-loading point so as to familiarize the truck driver with the site layout.

Once the empty trucks are weighed out a weighbridge ticket is printed. One copy remains with the weighbridge controller and one copy is retained by the truck driver.

Receiving raw materials by rail

Raw materials received by rail are placed in the rail siding by Spoornet. Spoornet's access into the siding is controlled by the Raw Materials Supervisor in conjunction with Security. Access into the siding will not be granted to Spoornet if Sheltam is shunting rail trucks at that point in time.

Sheltam's services is used internally to shunt rail trucks from the rail siding to the tippers and back to the rail siding.

Spoornet's rail trucks are weighed in and out at the rail siding weighbridge.

Tipping systems consisting of 2 x manually operated tippers and a series of conveyor belts and tripper cars are used for the off-loading of the raw materials into the designated barricades. The series of tripper cars and conveyor belts can be operated in sequence on manual. During off-loading of raw materials the tippler and conveyors should be regarded as high risk areas and should be avoided.

No maintenance or plant inspections by artisans are allowed to take place during offloading of Quartz due to the risks associated with Silica Dust.

Storage Areas

Raw Materials are stored at the furnace barricades or the field stockpiles respectively.

Caution should be exercised at all times when entering these areas due to the movement of surface mobile equipment during the off-loading and loading of raw materials. The areas at the barricades and stockpiles are restricted for the use of surface mobile equipment, and no pedestrians and / or light vehicles are allowed to enter these areas unless authorization has been obtained from the raw materials supervisor.

Silica Dust

All at Raw Materials will be issued with FFP2 dust masks to prevent silicosis.

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2. FINAL PRODUCTS CHROME PLANT



High Carbon Ferrochrome

High Carbon Charge Chrome is received as saleable (granulation, recovery) or as semi-finished (pre-crushed lumpy) product from the production units. Product is weighed in at the combo weighbridge. Depending on the product grade or quality the weighbridge controller will give instructions to the truck driver at which stockpile the product should be off-loaded.

Saleable product is stored in clearly identified barricades to avoid contamination of the different product grades and quality. Semi – finished product (also referred to as Work in Progress) is weighed in and stockpiled at demarcated areas based on the silica content of the product (-4%, 4-5% and +5%). Semi – finished product is crushed in the Chrome Crushing Plant to customer specifications and is stockpiled as a saleable product according to size and Si content.

Most of the high carbon charge chrome for export is dispatched using rail trucks. Local High Carbon product is dispatched using road trucks.

Please take note when working at the Crushing Plant regarding CTPV from Ferroveld

- Ferroveld releases CTPV's (Coal Tar Pitch Volatiles) that could be harmful to employees. If the wind direction is from Ferroveld and it can be smelled, please wear FFP2 dust masks. Crushing team will be issued with FFP2 dust masks.
- Pregnant personnel working at the Crushing Plant must report to the Supervisor and the Clinic as soon as they are aware of their pregnancy.



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Medium Carbon Ferrochrome (IC3 Product)

Medium carbon ferrochrome is weighed in and stockpiled in a dedicated area according to its carbon content (1.5, 2, 4 and 5%).

Most of the IC3 product is dried at the Drying plant after which it is ready for packing and export. The inside of the Drying Plant screen is classified as a Class A confined space and should not be accessed alone (Refer to SOP LGMM-027).

Depending on customer requirements, some of the IC3 dried product is bagged and loaded into containers, whilst some is loaded as bulk into containers. A small amount of the product is loaded into rail trucks without being dried or bagged, for export. Some of the IC3 product is loaded into road trucks on site and transported to the harbour at Durban where it is containerised, and exported to the customer. Local Medium Carbon product is dispatched using road trucks.

The packing and drying plant is fitted with two permanent methane monitors that will sound the alarm if methane is detected. If the alarm goes off, evacuate to the emergency assembly point in front of the supervisor's office and report to supervisor. The supervisor will assess the situation and take the necessary action.

NB: When entering the drying plant screen, a test for O₂ must be done and also one must wear a monitor for the full duration of being in the screen (Refer to SO-LGMM-027 – page 5). O₂ readings should not be less than 20 % (Refer to SO-LGMM-027 – page 5).

How to switch on/off the O₂ monitor

To switch on – Press the green button for 3 seconds

To switch off – Press both the blue and the green button for 3 seconds

3. Maintenance Workshop



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Background

The function of the maintenance department is to provide an electrical and mechanical maintenance service on a planned and unplanned basis to the respective departments in Logistics as well as the Laboratory (Although the Laboratory is part of the SHEQ Department)

Maintenance Workshop

All visitors and persons visiting the workshop shall report to the maintenance supervisor who will give persons permission to enter if applicable.

The workshop is divided into two sections namely:-

- Fabrication workshop is where boiler making activities such as flame cutting, welding, grinding and gouging are being performed.
- Assembly and delivery area - Stay within the green walkway at all times.

These areas may only be accessed by authorized personnel during these activities.

Equipment within the workshop has been locked out to prevent unauthorized use. The use of this equipment is for materials maintenance personnel only. Unauthorized use of such equipment will be seen as a serious offence and disciplinary action will be taken against individuals. This includes the unauthorized use of the tractor and forklift.

Maintenance trolleys may only be moved around manually by not less than two (2) persons at a time.

4. Chrome Recovery Plant



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Background

Established 1995, the purpose of the Chrome Recovery plant is to recover ferrochrome from slag from the furnaces and historical dumps. This is achieved through the processes briefly mentioned hereunder. The plant is operated 24/7, 365 days/year, with maintenance intervention planned for once every week and bi-annual major shutdowns for a duration of one week.

Raw Material

In this context, raw material is the slag from the furnaces' and the historical dump. Hot slag is idled for 3 months for cooling purposes at the current arising dump from where it is fed into plant via the grizzly feeder. Bulk Mech is the contractor appointed to facilitate the loading of the material.

Process

- **Primary Crushing**
The primary jaw crusher is strategically positioned beneath the grizzly hopper and crushes the material to a size of 100mm. The crushed material gets conveyed to the secondary crusher.
- **Secondary Crushing**

Its principle of operation is similar to the primary crusher though smaller in size. The material is first introduced onto a triple deck sizing screen (with apertures of 65mm, 23mm and 1.6mm) whereby any material size bigger than 65mm will be discharge to the secondary crusher to further crush it to be less than 65mm. The crushed material will be transported for tertiary crushing.



- **Tertiary Crushing**

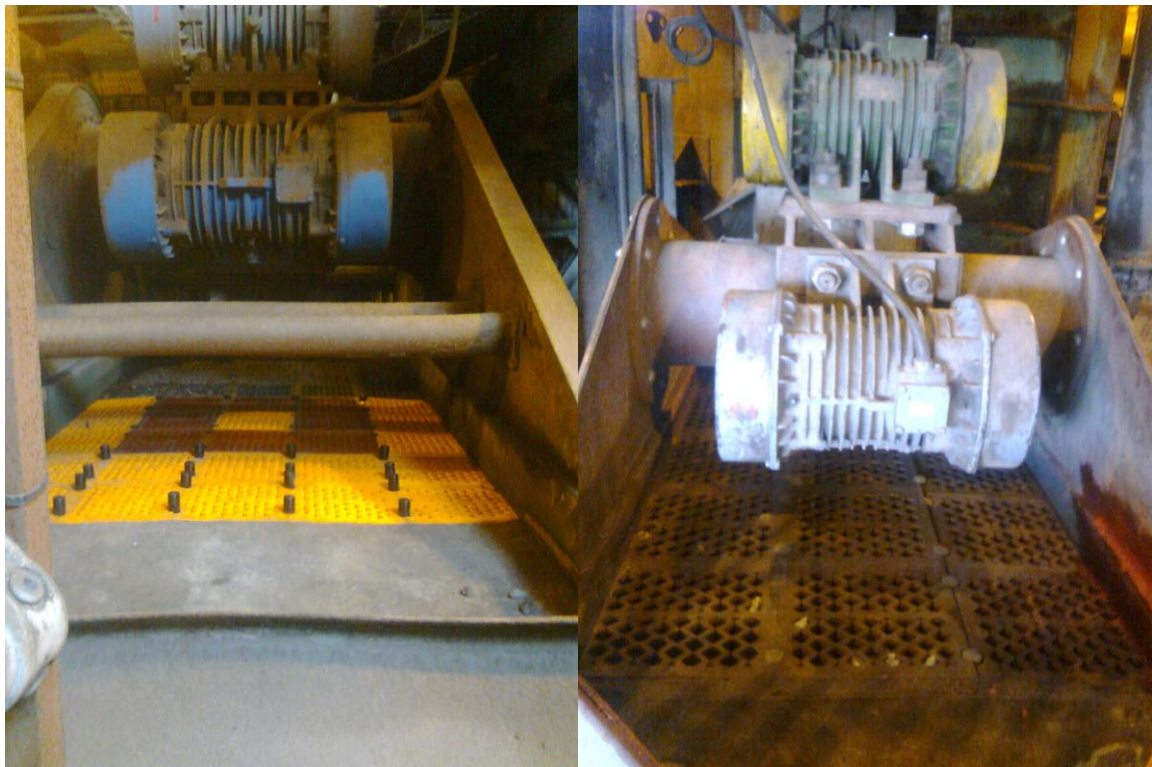
Tertiary crushing unlike the primary and secondary is achieved by the use of a cone crusher. Material is crushed to 23mm and less with 20% allowance as an oversize. Material is conveyed for further screening.

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- **Screening**

Double decks sizing screens 2A & 2B with aperture sizes 23 & 1.6mm discharges the material to transitional stock pile 2 via C6 conveyor, same with screen 1. The undersized material is fed into the spiral plant (Tugela Mining) via the dewatering cyclones. Overflow from the cyclones is returned to the clear water dam via the thickener for re-use.



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- **Jigging**

This is the last process in the whole recovery system. Material via stockpile 2 is fed into the jigs. Jigging is a density separation process using a bath of water and introducing compressed air from the bottom of the bath. Light density material will float while heavy density material remains at the bottom. The light material is slag which is transported to the final slag dump. Occasionally it is used as a bed at the furnace slag pits. The heavy material through gravity will be fed to the bucket elevator which serves the purpose of dewatering and be further screened as final product. The final product is in sizes of 5 to 23mm (small lumpy) and minus 5mm (fines).



- **Final Product**

On a daily basis during afternoon shift both final product material types will be loaded to the Final Product Department for dispatch. Tugela Mining Minerals (TMM) is a contractor that recovers the ultra fine material (less than 1.5mm) by using spirals.



- **By-Products of the process**

Slag and slimes are the by-products of the CRP.

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- **Slag Dump**

The slag is deposited on the final slag dump which is situated north of CRP. Various contractors purchase this slag for different uses. Afrigrit do further FeCr recovery from the final slag and sell it back to FMT.

- **Slimes (Slurry)**

The overflow (slime/slurry) from all the cyclones (including Tugela) via the thickener is pumped to the slimes dam. The slimes dam is operated and maintained by Frazer Alexander Tailings (FAT). Unauthorized access to the slimes dam is prohibited unless an access permit is issued. The access permit can be obtained at the CRP control room.

5. QUALITY

Refer to PRO-076 'Control of Non-Conforming Product'.

6. HOUSEKEEPING

Spillage from conveyors, chutes and tripper cars which could cause quality problems and damage to equipment is cleaned by a cleaning crew on a regular basis. Spillages should be given high priority due to the risk of causing equipment damage as well as leading to possible injuries. Excellent housekeeping standards are to be maintained at all times and are thus not negotiable. It is the duty of every person to ensure that his workplace is kept clean and organized.

7. SHEQ

You are hereby informed that Safe Operating Procedures are relevant to Logistics/CRP and you are responsible to ensure that you are fully aware of and trained with regards to the content of these procedures before performing any work or tasks related to these procedures. Follow the path: EBMS/Business Processes/HQMS/Logistics. Below is a list of the most critical SOP's in our department (This does not include all SOPs but only the most critical one's).

- SO-LGRM-001 Distribution of Raw Materials Received by Rail
- SO-LGFP-001 Crushing of Final Products
- SO-LGFP-002 Loading of Final Products
- SO-LGMM-024 Working on the Wagon Tipplers
- SO-LGMM-027 Drying Plant Maintenance
- SO-LGMM-032 Maintenance and Repairs to Primary Jaw Crusher and/or replacement of main frame
- SO-CR-038 Operating the Cone Crusher: CG1/CG02 (Osborn)
- SO-CR-008 Maintenance and Repairs to Warman centrifugal pumps
- SO-CR-009 Maintenance and Repairs to Bucket Elevator
- SO-CR-024 Maintenance and Repairs to Primary Jaw Crusher

8. PERSONAL PROTECTIVE EQUIPMENT

Signs have been erected in all areas indicating which PPE is mandatory to be worn. All standard PPE as required may not be removed and will be worn at all times while on site. Exceptions may exist for workshops, offices and tearooms. Specific additional items such as gloves, hearing protection and respirators or dust masks must be worn where and when required to do so.

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Maintenance personnel may enter the chemical laboratories with Flame resistance overalls. When completing a Risk assessment for maintenance personnel or contractors the hazardous environment will be taken into consideration. Safety glasses shall be worn at all times whilst inside the areas demarcated with the necessary signage.

All PPE contaminated with Hazardous Chemical Substances (HCS) must be treated as HCS waste.

9. TOP 5 RISKS

- | | |
|------------------------------|---|
| Raw Materials | <ul style="list-style-type: none"> - Surface Mobile Equipment - Human Behavior - Quality Management - Receipt, Offloading and Distribution of Raw Material - Contractor Management |
| Dispatch | <ul style="list-style-type: none"> - Surface Mobile Equipment - Material Handling - Quality Management - Hazardous Materials Management - Human Behavior |
| Final Products | <ul style="list-style-type: none"> - Quality Management - Surface Mobile Equipment - Human Behavior - Crushing Plant Operation - Contractor Management |
| Maintenance Workshop | <ul style="list-style-type: none"> - Maintenance Activities - Surface Mobile Equipment - Human Behavior - Contractor Management - Hazardous Materials Management |
| Chrome Recovery Plant | <ul style="list-style-type: none"> - Contractor Management - Plant and Equipment - Slag Processing - Human Behavior - Surface Mobile Equipment |

10. Hazards and Risks (Typical)

- Movement of Surface Mobile Equipment, LDV's, Trucks
- Dust generated by the loading / unloading of materials
- Noise
- Hot metal slag
- Conveyors starting without alarm while on manual test and local selection and other moving machinery. The person intending to start such equipment on manual/local must ensure that all persons in the vicinity are warned/notified and are clear of such equipment.
- Electricity

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- Slips, trips and falls
- Working at heights
- Splatter during grinding and welding
- Falling objects
- High walls on stock piles
- Vibration
- Electro Magnetic Fields
- Drowning
- Crushers, Lifting of equipment, Compressed air, Moving machinery, etc.
- Radio – Active Isotopes - Located at the grizzly hopper. Refer to OP-85.

11. Environment

Waste

Waste disposal systems are indicated by the appropriate signage and color coded waste bins to ensure proper segregation of different types of waste.

- In the event of a spill or disposal of a material, consult with the MSDS to find out the correct method to dispose of the material. In the case of hazardous materials/chemicals it is very important to obey instructions in the MSDS due to the possible health and environmental effects.
- Hazardous chemicals on site should be stored in a safe manner. Certain chemicals cannot be stored together, may be flammable, corrosive, explosive or toxic.
- Contact the SHEQ dept. or your SHEQ practitioner if in doubt about how to deal with an unknown substance.
- Path for MSDS's on EBMS : EBMS/SHEQ/MSDS/MSDS Index.

Report any spillages of fluids and materials immediately, which could contaminate the environment. For waste classification refer to procedure PRO-092.

Air

- Air Pollution
 - The reduced quality of air in the environment caused by emission of dust, fumes, smoke etc. into the atmosphere.
 - There are several sources of air pollution at this site. The crushing and screening of raw materials and final products and moving of materials via heavy vehicles. etc.
- The quality of the air around us will surely have an impact on our health. The quality of air also impacts on the environment. Therefore, by reducing operational impacts on the air around us, we will contribute to reduced air pollution and improve air quality.

What can we do to improve Air quality?

- Improve housekeeping in your work area.
- Ensure that the water car is operational every day to reduce dust on the gravel roads.
- Ensure that the water sprays are operational and activated when off-loading Quartz and Dolomite through the rail tippler system to reduce dust.
- Report all air pollution incidents on IMS.
- Reduce driving on gravel roads on site.

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- Raw Materials:
 - During handling and at transfer points losses should be managed. Not only due to wastage, but also due to the environmental impacts.
 - Losses end up being area sources from which dust is emitted into the air, thus causing air pollution and potential health problems.
 - Losses also end up in the storm water drains, canals and dams thus silting up these facilities and contributing to water contamination.
 - Another implication - more maintenance required on process water circuit and higher cost of water treatment.

Water

- All process water equipment and facilities such as ETP1&2, process dam, slimes dam, storm water dam, granulation dams, sumps, cooling towers, shell cooling, wet scrubbing, CRP jiggling plant etc. should be maintained to avoid overflow, leaks and sludge build up that may lead to pollution of the environment.
- Overflow, spillage and leaks also contribute to wastage of water. Our water management system is a closed circuit and such losses mean that any shortage of water will need to be replaced with potable municipal water.
- Several Acts have implications with respect to water, its use and impacts on it.
- The most important to note are the National Water Act and the National Environmental Management Act.
- The National Water Act stipulates how water is managed, regulated and what the requirements are should water be needed for any one of the listed water-use activities.
- The NEMA stipulates the responsibilities for water use and impacts related to water use on the environment.
- Also, keep in mind the Constitution – everyone has a right to a clean and healthy environment. Any impact on a water resource implies that someone's right is possibly being violated and the responsible party will need to rectify the cause of the impact.

Drinkable water is indicated by the appropriate signage.

12. Emergencies

In case of an emergency do the following: SO-LGGEN-000 (Emergency Response Procedure)

- Adhere to the siren
- All personnel and contractors must evacuate the plant
- Report to the assembly point
- Coordinator will complete attendance register
- Wait until the area is cleared and declared safe to enter.

The emergency telephone and ambulance pick-up numbers that you should know are as follows:

- First Aid – 7002 or 5899
- Fire – 7001
- Security – 7278

In the event of the telephone lines being out of order, please use Radio Channel 11.

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Ambulance Pick-up point:

- Raw Material Offices – 18
- Perimeter Weighbridge – 27
- Raw Materials West – 26
- Maintenance Workshop – 03
- Logistics Offices – 03
- Final Products and Dispatch – 24
- Chrome Recovery Plant Workshop – 08
- Chrome Recovery Plant Production – 09

Policies, Procedures and Simple Safety Systems

The relevant Policies, Safe Operating Procedures and Leading Indicators comprising of near miss reporting, behaviour observations, planned task observations and layered audits, as well as the Red Stop card and the Brother's Keeper principles shall be discussed as part of this induction process.

- **Speed limit on the plant/premises**
25km/h unless otherwise indicated by appropriate signage. Speed limit for Loco's is 5km/h.
- **Sleeping**
Sleeping on the premises is not permitted.
- **Reporting of Incidents/Injuries**
Report all injuries and/or incidents immediately to your Supervisor on the same shift it occurred.

13. You are also informed of the following items within the Samancor Cr SHEQ Toolbox:

10 Life Preserving Rules:

1. Zero Harm to people and the Environment
2. Time allocation
3. Personal protective Equipment (PPE)
4. Compliance with procedure
5. Isolation
6. Working at heights
7. Mobile Equipment
8. Behavior
9. Permit to Work
10. Legal Violations

For more detailed information consult your SHEQ Pocket Manual

Fatal Risk Control Protocols:

- Light Vehicles
- Surface Mobile Equipment
- Hazardous Materials Management
- Equipment Safeguarding
- Isolation
- Working at Heights
- Lifting Operations

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4 Steps to safety:

1. What job am I about to do
2. What tools or equipment do I need for the job
3. What can happen or what can go wrong
4. What will I do now to prevent these things from happening and what will I do if something goes wrong

Red Stop card Procedure:

How do you use the red stop card?

You must draw the attention of those involved or responsible and immediately flag your red stop card and stop the unsafe act or condition that you witness

• What happens then/thereafter?

- The job is stopped immediately
- The supervisor is called
- Actions are agreed upon to address the situation
- The supervisor must ensure that the agreed action is effected
- Work can resume once it is safe to do so
- The supervisor must give feedback to the card holder
- A relevant entry must be made in the IMS

14. Groupings:

The following action groupings have been created on IMS and **ALL** actions generated should be linked to one of these groupings to simplify reporting during action analysis or audits.

- Bulkmech – FRCP 01 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 01 as well as any actions related to FRCP 01 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 02 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 02 as well as any actions related to FRCP 02 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 05 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 05 as well as any actions related to FRCP 05 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 06 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 06 as well as any actions related to FRCP 06 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 07 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 07 as well as any actions related to FRCP 07 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 08 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 08 as well as any actions related to FRCP 08 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 09 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 09 as well as any actions related to FRCP 09 GAP Assessments on Bulkmech);
- Bulkmech – FRCP 10 (Use this whenever you load actions to Bulkmech w.r.t. FRCP 10 as well as any actions related to FRCP 10 GAP Assessments on Bulkmech as well as any actions resulting from Lifting Equipment Inspections done one Bulkmech);
- Bulkmech – Tyre Safety (Use for any actions related to tyre management);
- Logistics – FRCP 01 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 01 as well as any actions related to FRCP 01 GAP Assessments on Logistics/CRP);
- Logistics – FRCP 02 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 02 as well as any actions related to FRCP 02 GAP Assessments on Logistics/CRP);
- Logistics – FRCP 05 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 05 as well as any actions related to FRCP 05 GAP Assessments on Logistics/CRP);

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- Logistics – FRCP 07 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 07 as well as any actions related to FRCP 07 GAP Assessments on Logistics/CRP);
- Logistics – FRCP 08 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 08 as well as any actions related to FRCP 08 GAP Assessments on Logistics/CRP);
- Logistics – FRCP 09 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 09 as well as any actions related to FRCP 09 GAP Assessments on Logistics/CRP);
- Logistics – FRCP 10 (Use this whenever you load actions to any Logistics/CRP section w.r.t. FRCP 10 as well as any actions related to FRCP 10 GAP Assessments on Logistics/CRP as well as any actions resulting from Lifting Equipment Inspections done one Bulkmech);
- Logistics Health Reports (Use for any actions related to Health and Hygiene, Hygiene Inspections, Fire Extinguisher inspections, Dust, Noise, Vibration, etc.);
- Logistics – Plant Inspections (Use for any actions following plant inspections, walk-about(s), SBOs, LSBOs, etc.);
- Logistics – Self Audits (Use for any actions coming from self-audits i.t.o. ISO9001, ISO14001, ISO18001, etc. – typically audits done by Wilfred and the responsible Superintendent);
- Logistics and CRP Mock Emergencies (Use for any actions coming from Mock Emergencies);
- Logistics – Training (For any actions resulting from CTOs, PTOs, Training interventions, etc.);
- Logistics – Rail Operations (For any actions related to our rail infrastructure, Railway Safety Regulator, Municipal siding, etc.);
- Logistics – Slag Dump Management (For any actions related to slag dump management and the Afrigrit and Clewer operations);
- Logistics – Slimes Dam Management (For any actions related to the slimes dam and actions from inspection, stability and annual reports);
- Logistics – CRP General (For any other general actions related to CRP);
- Logistics – MHM General (For any other general actions related to MHM);
- Logistics – RMs General (For any other general actions related to RMs);
- Logistics – FPs General (For any other general actions related to FPs);
- Logistics – SIRs;
- Logistics – General (For all other actions not falling into any of the above groupings);
- Logistics – Management Plans; and
- Logistics – Quality.

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ATTENDANCE REGISTER

Date:

Venue:

Course Name:

Times :

Trainer Name:

									Day 1	Day 2	
	Surname	Initial	Name	Employee Number	Gender	Race	Dept/Contractor	Supervisor's Name	Grade	Signature	Signature
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											

**PLEASE FILL IN ALL REQUIRED INFORMATION
 NO CERTIFICATES WILL BE ISSUED WITHOUT THIS INFORMATION**

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Environmental Emergency Preparedness and Response

Document No.:	PRO-144	Document Owner:	SHEQ Specialist
Revision No.:	9.1	Approver:	General Manager
Implementation Date:	26 August 2002	Date Approved:	March 2013

REVIEW AND APPROVAL SIGNATURES

ROLE	RESPONSIBILITY	SIGNATURE	REVIEW DATE
ORIGINATOR	SHEQ Specialist	Approved	March 2013
DEPARTMENT MANAGER	SHEQ Manager	Electronically approved	March 2013
REVIEWER 1	Works Manager		
REVIEWER 2	Operations Manager F45		
REVIEWER 3	Operations Manager F1236&IC3	Electronically approved	March 2013
REVIEWER 4	Operations Manager PSP		
REVIEWER 5	Logistics Manager	Electronically approved	March 2013
REVIEWER 6	Financial Manager		
REVIEWER 7	HR Manager		
REVIEWER 8	Elkem Ferroveld Manager	Electronically approved	March 2013
REVIEWER 9	Engineering Manager	Electronically approved	March 2013
APPROVED BY	General Manager		

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1. SCOPE

This procedure supports the requirements of FRCP 5 – Hazardous Materials Management as well as ISO 14001 – Emergency Preparedness and Response. All the requirements identified in this procedure are applicable to all activities within the Ferrometals Primary Boundaries where an Environmental Emergency or incident involving Hazardous Material may occur.

2. OBJECTIVES

The objective of this document is to give guidelines on how to respond to hazardous material and environmental emergencies. The information in this document may be used by the plants when compiling their own Emergency Preparedness and Response Procedures.

All personnel must understand their responsibilities during environmental and hazardous material emergencies.

All plants must have their own Emergency Preparedness and Response procedure based on their Risk Assessments and the types of Emergencies that may occur there.

All plants must define the frequency of testing their emergency procedures (at least once a year).

3. PROCEDURE STATEMENTS

ACTIVITIES

1.1.1 Responsibilities and Authorities

It is the responsibility of employees to remain vigilant at all times and to report any environmental emergency or any potential environmental emergency to their immediate leader or the SHEQ Department.

1.1.2 Responsibilities during Hazardous Material Emergencies

1.1.2.1 Actions of First Responders

1.1.2.1.1 Precaution for first responders

- Resist the urge to rush in. It is not possible to help others until the potential hazards have been identified.
- Get the information from the HAZMAT placards on the vehicle or container. Write it down if possible.
- Where possible approach the scene from upwind.
- Do not assume that gases or vapours are harmless because of a lack of smell; some odourless gasses and vapours are harmful.

1.1.2.1.2 First Responder Action

- Assess the risk.
- Use the SABS Emergency Response Handbook (ERG) after information was gathered from the placard or driver. If an ERG is not available use the information given in the appendixes

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in this document. These indexes contain information for the most likely type of hazardous material emergency that could occur on site.

- Appendix 1 – Nitric Acid Emergencies
- Appendix 2 – Methane Gas Emergencies
- Appendix 3 – CO Gas Emergencies
- Appendix 4 – Tar Emergencies
- Appendix 5 – Diesel fuel and Petrol Emergencies
- Call the emergency services as soon as possible.
- Sound the alarm if necessary
- Call Security at 7001 that will contact the fire department and medical support if necessary.
- Contact the Hazardous Material Coordinator to assist in the emergency response.
- Secure the scene to ensure the safety of people and the environment. Allow sufficient space for access by the emergency services and for escape routes in the event of an escalation of the incident.
- Evacuate the area and keep spectators away.
- Barricade the area as indicated in the ERG or the relevant Appendix of this document
- Decide on site entry. Do not attempt to rescue persons and become part of the problem. Consult the ERG on potential hazards and required PPE. Obtain backup and advise the emergency services of your proposed response before approaching the incident.

Succession of command. The first responder stays in command of the scene of the incident until the first emergency service arrives. The first responder has to establish the identity of the person in command of the first emergency service to arrive on the scene, and pass all relevant information to that person

1.1.3 General actions in the event of an environmental emergency

The manager responsible for the area must be alerted as soon as such an emergency or pending emergency is noted. The manager will contact the SHEQ Superintendent or the SHEQ Specialist (Environment & Quality), who will recommend a suitable course of action.

The responsible manager shall ensure that an SIR is registered on IMS in the event of an emergency and that the SIR is investigated.

Should the incident be significant where the effects extends off the site boundaries and impacts on the environment and community locally, regionally, provincially or nationally it needs to be reported to the Department of Environmental Affairs on the template attached in the appendix (refer to Appendix 8).

1.1.3.1 Initial Reporting – Contents of notification

Where an incident poses a serious threat to the public or is of serious detriment to the environment (immediate or delayed), the following must be reported to the relevant Manager or the SHEQ Manager:

- Nature of incident

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- Risks posed by the incident to public safety, health and property
- Toxicity of substances or by-products released by the incident and
- Any steps that should be taken to avoid or minimize the effects of the incident on public health and environment.

Also follow reporting requirements specified by Chrome Procedure – Managing Significant Incidents and the Ferrometals procedure PRO051 - Incident Accident Investigation and Management.doc and as stipulated in the National Water Act 36 Of 1998, Section 20 or National Environment Management Air Quality Act 39 Of 2004, Section 30.

1.1.3.2 The SHEQ Department will report to the relevant authority after consultation with Management should the incident escalate beyond the control of Ferrometals. These departments may include:

- The Director-General
- South African Police Services and
- Witbank Fire Prevention Service
- The Witbank Municipality – Disaster Management Center
- All persons whose health may be affected by the incident
- The Catchment Management Agency and Department of Water Affairs and Forestry – in the case of a pollution event that may threaten the Brugspruit and Olifants River System.
- DEA Local, Provincial and National offices as per current list.
- DWA Local, Provincial and National offices as per current list.
- (Refer to appendix for contact list)

GENERAL SITE EMERGENCIES

1.1.4 Emergency overflow of process water to the Ferrobank storm water system

Emitting process water to the Ferrobank Storm Water System may not take place without the permission of the SHEQ Manager or higher authority, which must make a decision whether the release will pollute or detrimentally affect the Brugspruit or other water resource.

In the event of such imminent pollution, the following actions need to be taken:

- Notify the SHEQ Department who will notify:
 - Emahlaheni Municipality
 - The Department of Water Affairs (DWA)
 - The Witbank Fire Department or South African Police Services
 - The Catchments Management Agency; as per the National Water Act 36 Of 1998, Section 20.
- (Refer to appendix for contact list)

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- Implement measures to contain or minimize the effects of the pollution.
- Implement clean-up procedures and measures to remedy the effects of the incident.

When effluent leaves the property, the following actions are taken:

- Estimate the volume of water to be pumped.
- Estimate the duration of discharge.
- Initiate sampling of process water discharge (at least daily).
- Initiate a SIR to prevent a re-occurrence of the event.

(Emergency drills are not practicable for this type of emergency. The actions taken during emergency pumping of process water will be audited to ensure that the correct procedure is followed)

Spillages relating to process water are more likely to occur during the rainfall season. It is during this time that dam and canal levels need to be monitored to ensure that sufficient capacity as far as reasonably practicable is made available for when there is rain.

The Utilities Superintendent shall ensure:

The management of such monitoring and inspection of process dams and canals (excluding Slimes Dam).

That dam free-board shall be observed daily during the rainfall season.

That canals and dams shall be maintained prior to the rainfall season to ensure adequate capacity during the rainfall season.

1.1.5 Emergency venting of furnaces

All venting occurrences, both planned and unplanned shall be logged on IMS with details of the event. The SHEQ Specialist (Environment & Quality) shall be copied on such a report. The severity of the event will determine whether it will be logged as a SIR or near-miss.

- Planned Venting:

If venting of furnaces is unavoidable, and foreseen to take place over a period exceeding one hour, notice shall be given prior to the planned venting. The relevant Plant superintendent/delegated responsible person shall be responsible for notifying the SHEQ Manager and the SHEQ Specialist (via e-mail), who will then notify the DEA local, provincial and National offices as well as Samancor Group Environmental and Community Superintendent of the planned venting (by e-mail) and the reasons therefore as per the National Environment Management Air Quality Act 39 Of 2004, Section 30.

- Unplanned Venting:

If an unplanned venting of furnaces takes place, immediate attention shall be given by the relevant maintenance superintendent to assess the problem. Should the venting be found to exceed one hour in duration, the relevant Maintenance Superintendent//delegated responsible person will notify the SHEQ Manager and the SHEQ Specialist of the venting as soon as practically possible, but not later than the next working day. The SHEQ Specialist will then notify the DEA local, provincial and National offices as well as Samancor Group Environmental and Community Superintendent of the planned venting (by e-mail) and the reasons therefore as per the National Environment Management Air Quality Act 39 of 2004, Section 30.

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The maintenance superintendent/delegated responsible person must include the following information on the email to the SHEQ manager and Specialist: Environment and Quality:

- Date of planned/unplanned venting occurrence
- Department
- Duration
- Reason

The availability is calculated as the maximum duration (hours) the furnace is allowed to operate without the fume abatement equipment running. Ferrometals has been given a threshold limit of 98% availability according to the transitional APPA registration certificate (to be converted into an Atmospheric Emissions License). This 98% limit equates to a maximum time of 14.44 hours that the furnace is allowed to operate without the fume abatement equipment functioning.

Should the 14.44 hours be exceeded for the month, the SHEQ Specialist (Environment and Quality) shall register a SIR and a detailed report stating the reason for exceeding the conditions in the APPA permit as well as action plan must be sent to the Department of Environmental Affairs within 14 days.

Please refer to appendix for template to report venting events and contact list.

(Emergency drills are not practicable for this type of emergency. The actions taken during emergency venting will be audited to ensure that the correct procedure is followed.)

TRANSFORMER EMERGENCIES

Follow the procedure as identified in Appendix 5 – Diesel Fuel and Petrol Emergencies.

1.1.6 Fire

The manager of the department will take the required steps, as per their procedures to extinguish the fire as quickly as possible to minimize damage to property and to minimize water, air and soil pollution.

1.1.7 Oil Spillage

The relevant Engineer shall ensure that the measures are in place such that, in the event of an oil spillage, the following actions may be carried out unimpeded:

- Extinguish the oil-fire (if necessary).
- Contain the oil as close as possible to the transformer site (preferably within bunded area).
- Make arrangements to reclaim oil from storm water system, should a leak to the system occur.
- Ensure that contaminated water does not leave the property, but is used as make up for process water.
- Ensure that used-spillage absorbent material is cleared from Transformer site within 12 hours to avoid it becoming a fire hazard that has the potential of causing permanent damage to the Transformer and a severe loss in production. The used-spillage absorbent material shall be disposed of in the hazardous waste skip provided for oil contaminated material.

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ACID SPILLAGE

Follow the procedure as identified in Appendix 1 – Nitric Acid Emergencies

The Superintendent Pelletising and Sintering shall, in the event of an acid spillage occurring:

- Evacuate personnel from the immediate area.
- Barricade exposure area.
- Ensure that the spill is contained within the Pelletising and Sintering Building.
- Neutralize the acid.
- Remove the neutralized acid and dispose of it at a licensed waste facility.
- Inform the SHEQ Manager and the SHEQ Specialist (Environment and Quality) should a spillage to the storm water system occur.

OVERFLOW OF THE EFFLUENT TREATMENT PLANT (ETP) BUND WALL

The Maintenance Superintendent of the ETP shall:

- Consult with the SHEQ Specialist (Environment and Quality) as to a suitable course of action should an imminent risk of the ETP bund wall overflowing occurs.
- Ensure that no ETP water or sludge leaves the property.
- Arrange for the removal of spilled sludge to the slimes dams.
- Log a SIR or near-miss on IMS depending on the severity of the spillage.

(Emergency drills are not practicable for this type of emergency. The actions taken during overflows from the ETP will be audited to ensure that the correct procedure was followed.)

SHEQ INCIDENT AT SLAG DISPOSAL SITE

- As per Ferrometals Slag Permit no. 12/9/11/P106 (in terms of Sect. 20 of ECA, 1989 (Act No. 73 of 1989) as amended), the SHEQ Specialist (Environment & Quality) as the representative of the Permit Holder (Samancor Ferrometals), shall notify the Director and Director-RPW within 24 hours of the occurrence or detection of any incident on the Site, or incidental to the operation of the site, which has the potential to cause, or has caused pollution of the environment, health risks, nuisance conditions or water pollution. (Refer to appendix for contact list)

4. FLOWCHART

None

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5. DOCUMENT REVISION CONTROL

REVISION NUMBER	PAGE NUMBER/S	CHANGE EFFECTED	DATE OF ISSUE
2.1		New format. Updated to include statutory requirements in terms of the National Water Act 1998, National Environmental Management Act 1998 as well as the Disaster Management Bill 2001.	26 August 2002
3.1		Update to new format Replacing PSHEN005	22 April 2003
4.1		Roles and responsibilities towards reporting of air pollution emergencies were changed. AOR changed to SIR	18 May 2004
5.1	11 onwards	Include FRCP 5 Hazardous Materials Management Emergency requirements: Add first responder responsibilities Add Nitric Acid from ERG Add CO gas from ERG Add Methane gas from ERG Add Petrol from ERG Add diesel from ERG Add Tar from ERG Change Document Name Appendixes managed separately outside this procedure. This procedure hyperlink to the appendixes.	22 June 2006
6.1	All	SHEQ changed to SHEQ on all pages <ul style="list-style-type: none"> • EQ to Specialist (Environment and Quality) • Spillages relating to ...the rainfall season. (Pg 6) • All venting occurrences ... the reasons therefore. (Pg6) • Should the venting ... the reasons therefore. (Pg7) • The Superintendent must ... report venting events. (Pg7) • Ensure that used-spillage ... oil contaminated material. (Pg7) • Barricade exposure area. (Pg8) • Log a SIR ... of the spillage.(Pg8) • APPENDIX 6 - (PLANT) - VENTING (DATE) - FERROMETALS - EMALAHLENI MUNICIPALITY - TEMPLATE - included to hyperlinks to appendix 	November 2008

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6.2	Pg 5, 6, 7	<ul style="list-style-type: none"> Update of DEAT & DWAF contact list in Appendix and references to legislation 	March 2009
7.1	Pg 8	<ul style="list-style-type: none"> Inclusion of ECA 20 Slag Permit communication requirements 	March 2010
8.1	Pg 11	<ul style="list-style-type: none"> Inclusion of DEA significant incident report template 	March 2011
9.0	Page 5	updated dept. officials contact list	March 2013
	Page 6	Revised planned and unplanned venting occurrences as per OP – 173.	March 2013
	Page 7	Revised planned and unplanned venting occurrences as per OP – 173.	March 2013
	Page 7	Updated venting memorandum as well Algin with HQMS	March 2013
9.1	Page 11	Venting memorandum linked to the updated memorandum.	July 2013
	Page 9	Inclusion of slag dump, ECA Sect 20 permit condition	March 2013

6. DEFINITIONS AND ABBREVIATIONS

TERM	DESCRIPTION
Environmental Emergency	For the purposes of this procedure, an environmental emergency is defined as any situation in which there exists, or the potential exists, to cause a sudden and dramatic deterioration in aquatic, atmospheric or terrestrial conditions in such a way that habitats, eco-systems or parts thereof are adversely affected. This includes Hazardous Material Emergencies.
SIR	Significant Incident Report
SHEQ	Safety; Health; Environment; Quality
FRCP 5	Fatal Risk Control Protocol number 5 – Hazardous Material Management
Escalate beyond Control	When the impact of the emergency goes beyond the boundaries of Ferrometals and could negatively influence the environment or health of the public.
DEA	Dept. of Environmental Affairs
DWA	Dept. of Water Affairs
Director (ECA 20 Permit)	Director: Authorizations and Waste Disposal Management of the National Department of Water and Environmental Affairs
Director: RPW (ECA 20 Permit)	Director: Resource Protection and Waste of the National Dept. of Water and Environmental Affairs
ECA 20	Section 20 of the Environment Conservation Act, 1989 (Act No.73 of 1989) as amended

7. REFERENCES

REFERENCE	TYPE	TITLE
ISO 14001:1996	Standards	4.4.7 – Emergency Preparedness and Response

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REFERENCE	TYPE	TITLE
PRO-089	Procedure	Water Management
PRO-093	Procedure	Air Quality Management
Section 20	Legislation	National Water Act 36 of 1998
Section 30	Legislation	National Environmental Management Act 107 of 1998.
PR-CRC-SHE-011	Procedure	Management of Significant Incidents
PRO-051	Procedure	Incident and Accident Investigation and Management

8. RECORDS

RESPONSIBLE PERSON	RECORDS	WHERE FILED	ELECTRONIC OR HARDCOPY	RETENTION TIME	ACCESS	DISPOSAL
Plant	SIR	IMS	Electronic	Database	Management	Archive
SHEQ Department	Communication to Departments	SHEQ filing system	Hard copy	2 Years	Management	Archive

9. APPENDICES

9.1 [APPENDIX 1 - NITRIC ACID EMERGENCIES](#)

9.2 [APPENDIX 2 - METHANE GAS \(FLAMMABLE GASES\)](#)

9.3 [APPENDIX 3 - CO GAS \(FLAMMABLE TOXIC GAS\)](#)

9.4 [APPENDIX 4 - TAR \(FLAMMABLE LIQUIDS – WATER MISCIBLE/ NOXIOUS\)](#)

9.5 [APPENDIX 5 - DIESEL FUEL AND PETROL \(FLAMMABLE LIQUIDS – WATER MISCIBLE\)](#)

9.6 [APPENDIX 6 - \(PLANT\) - VENTING \(DATE\) - FERROMETALS - EMALAHLENI MUNICIPALITY - TEMPLATE](#)

9.7 [APPENDIX 7 - EXTERNAL PARTY CONTACT LIST - IN THE EVENT OF ENVIRONMENTAL INCIDENT 20090323](#)

9.8 [APPENDIX 8 – DEA TEMPLATE TO REPORT SIGNIFICANT ENVIRONMENTAL INCIDENTS](#)

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Emergency Procedure

SHEQ, Laboratory, Canteen, Clinic, Security & Reception

Document No.:	PRO-148	Document Owner:	SHEQ Practitioner
Revision No.:	3.2	Approver:	SHEQ Manager
Implementation Date:	January 2007	Date Approved:	October 2013

PURPOSE

Zero Harm to Employees, Contractors and the Environment.

REVIEW AND APPROVAL SIGNATURES

ROLE	RESPONSIBILITY	SIGNATURE	REVIEW DATE
ORIGINATOR	SHEQ Practitioner	Approved	Oct 2013
REVIEWER 1	SHEQ Superintendent		
REVIEWER 2	Lab Superintendent		
REVIEWER 3	SHEQ Specialist		
APPROVED BY	SHEQ Manager		

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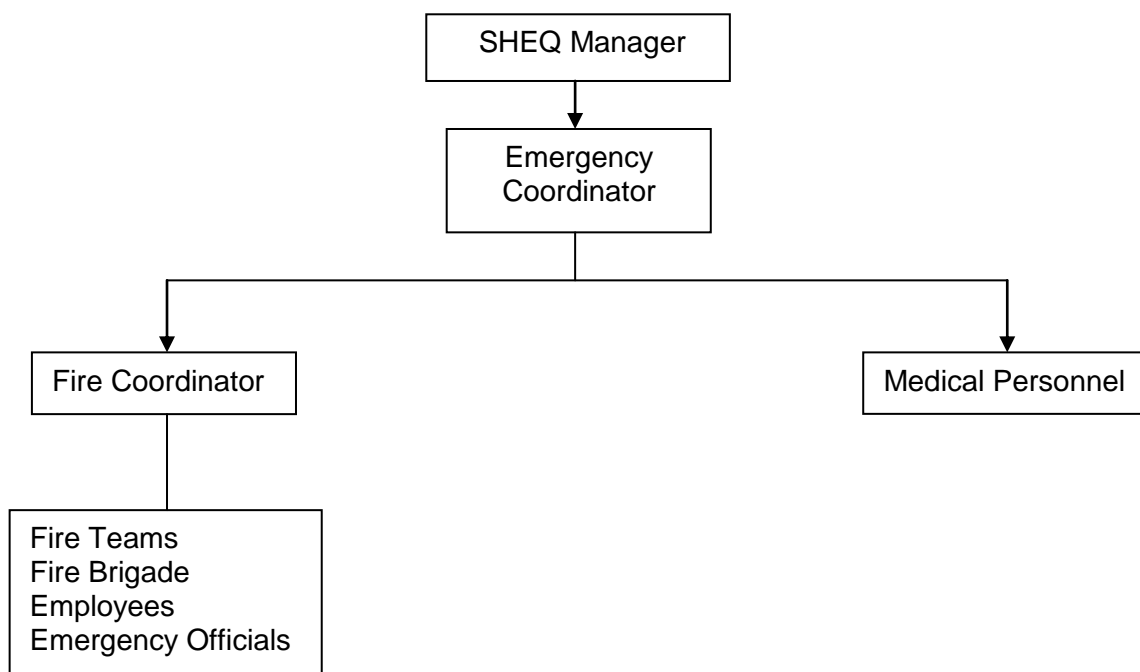
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1. OBJECTIVES

The objective of this document is to outline the possible emergency situations at the SHEQ offices, Laboratory, Clinic, Canteen, Security, Reception & Change houses. This procedure will further act as a guide on how to safely evacuate the building in case of emergencies.

Further action to be taken is detailed in the procedure including Emergency Response Team.

2. EMERGENCY ORGANISATION



3. PROCEDURE

3.1 FIRE

Employee on the Scene

- In case of a fire, use a fire extinguisher to extinguish the fire (or get Emergency Response Team to handle fire or explosion. Dry powder for all types of fires and CO₂ for electrical or computer related fires. Wet Chemical fire extinguishers shall be used for Class F fires, eg fat and cooking oil fires in the Canteen.
- Notify **Security 7001 or radio channel 11** and ensure that **Fire Brigade** has been notified, if so required.
- Make area safe (Switch off power supply, close gas supply, etc.)

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- Activate departmental evacuation procedure if necessary.
- Remove emergency vehicles eg. ambulance's to a safe area away from danger.
- Notify the Line Management.

Security Officer on Duty

- Contact Security control room.
- In case of a major fire, contact Witbank Fire Dept at 013 690 6222 (short code 6044) or EVRAZ Highveld Steel Emergency Services 082 806 4388 (short code 5647)
- Secure \ cordon off the area.

SHEQ Manager

- Go to the scene of the incident and make contact with relevant parties.
- Assess the situation, and remain on the scene until the situation is under control.

3.2 MEDICAL EMERGENCY/ ACCIDENT

Employee on the Scene

- Contact **Medical personnel** on duty **7002 or 072 237 6008 (5899) or radio channel 11** and provide the following information:
- Place of accident
- What had happened
- Number of persons injured
- Type of injuries sustained
- Severity of injuries

Medical personnel on duty

- Clinic staff prepares emergency room for admitting patients
- Attend to the injured as soon as possible.
- Assess the severity of the medical emergency and arrange for appropriate external back up medical services if so required.
- **Fire Brigade** in case of a major incident where additional assistance (i.e. jaws-of-life) is needed.
- In case of vehicle accidents or any incident that requires a rescue team or rescue equipment, contact Witbank Fire Dept at **013 690 6222 (short code 6044)**
- Notify SHEQ Manager immediately in case of a classified injury/fatality.

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SHEQ Specialist

- Render logistical support to the medical personnel on duty – ensure that they are not hampered in the execution of their duties.
- Secure \ cordon off the area.
- Notify SHEQ Manager immediately.

SHEQ Manager

- Go to the scene of the incident and make contact with medical personnel or security officer in charge.
- Assess the severity of the incident and if required notify the General Manager immediately.

3.3 GAS LEAKS AND EXPLOSIONS IN THE LABORATORY

Employee on the scene

- In the case of **gas explosions** activate the Emergency Alarm to initiate the evacuation process and close the safety valve for LP gas at the gas cage;
- In the case of **gas leaks and when the O2 monitor alarm is sounded whilst the employee is in the room** immediately close the regulator at the instrument and the safety valve on LP gas line in the main lab. Close the gas manifold at the gas cage as well as the safety valve for LP gas at the gas cage;
- In the case of **gas leaks and when the O2 monitor alarm is sounded when entering the room or when still outside the room** do not enter the room or attempt to close the regulator at the instrument and the safety valve on LP gas line in the main lab. Close the gas manifold at the gas cage as well as the safety valve for LP gas at the gas cage;
- Report the incident to the Laboratory Superintendent.

Supervisor/Coordinator

- Follow the applicable steps of the General Emergency and Evacuation Process as described in point 4; Responsibilities – Respondents.
- Make sure that nobody enters any area affected by gas until the area has been tested for gas and declared safe by the SHEQ Manager.

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4. RESPONSIBILITIES

Role	Responsibility	Task Description
Incident Leader	SHEQ Manager	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Hold the overall responsibility and accountability for employees, machinery environment surrounding the site, equipment, the facility and all other resources at the facility • Works closely and supports the Emergency Coordinator. • Makes resources available to purchase needed equipment and supplies. • Assures delegation of responsibility for all key positions • Serves as public relations spokes person. Assures proper coordination of news release with appropriate corporate staff or designated people • Authorizes suitable news announcement to employees during emergencies. • Coordinates with the local business community and business leaders. • Select alternative facilities which could be used, if necessary, to continue operating the business
Procedure development and amendment.	SHEQ Practitioner	<ul style="list-style-type: none"> • Review and revise procedure. • Arrange for mock emergency drills to be held annually
Procedure adherence	Employees	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993
Emergency Coordinator	SHEQ Manager	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Serves as the Chairperson of the Emergency Preparedness Team. • Assures that all persons in the Emergency Preparedness Team know and fully understands what is expected of them. • Works with all departments to assure that they understand the actions they have to take. • Assures that an intra plant communication system exists for use during the emergency. • Coordinates control plans with external agencies. • Develop a well organised employee identification system

Emergency Officials	SHEQ Specialist	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • In the event of an emergency taking place after hours, assume the overall control of the situation • Estimate the result of the emergency • Look for injured people • Assign Emergency teams to assist in an emergency • Inform relevant people of the emergency • Keep record of all the people under your supervision • Summon outside help (ambulances, Fire Brigade etc.)
First Aid Coordinator	SHEQ Practitioner / Clinic Staff	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Coordinate the activities of medical personnel • Identify injured persons to medical emergency team • Communicate the state of the injured to the Emergency Coordinator. • Arranges ambulances and prepare transportation of the injured.

Paramedics	Medical personnel	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Collect first aid boxes from stations to where they are required • Identify victims and render treatment • Transport injured to the Clinic or Hospital
Fire Protection Coordinator	SHEQ Practitioner	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Assure that all emergency telephone numbers are appropriately posted at all strategic locations throughout the plant • Identify all primary Exit routes. • Ensures periodic practice drills. • Assures adequacy of emergency stand-by equipment such as portable fire extinguishers, self-contained breathing apparatus, safety lines, rescue equipment. • Participates in investigations of losses, injuries or damage from emergencies and disasters.

		<ul style="list-style-type: none"> • In the event of an emergency take charge of the Fire fighting team until the arrival of the Fire brigade. • Assures that all teams are properly trained to deal with an emergency and keep the record of such training. • Establish and maintain close liaison with the local fire brigade and civil defense officials.
Fire Teams	SHEQ Practitioner	<ul style="list-style-type: none"> • To perform duties as set out in the OSHACT No 85 of 1993 • Identify victims and ensure that their life is not further endangered • Apply fire fighting techniques as trained • Assist the fire brigade team as directed upon arrival. • Point out available fire fighting equipment to outside emergency personnel

Respondents	All employees and contractors	<p>IN CASE OF FIRE OR OTHER EMERGENCIES</p> <ul style="list-style-type: none"> • KEEP YOUR HEAD – Avoid panic and confusion • KNOW THE LOCATION OF EXITS – Be sure you know the safest way out of the building no matter where you are • KNOW THE LOCATION OF NEARBY FIRE EXTINGUISHERS – Learn the proper way to use all types of extinguishers • KNOW HOW TO REPORT A FIRE OR OTHER EMERGENCY – Send in the alarm without delay • FOLLOW EXIT INSTRUCTIONS – Stay at your workplace until instructed to leave. • WALK TO YOUR ASSIGNED EXIT – Maintain order and quiet; take each drill seriously. • IN CASE OF A FIRE – Sound the alarm, Close open windows, Switch off electricity supply, Collect important items. Close all open doors, Vacate the building, Gather at the assembly point for a roll call.
Emergency Drills and Scenarios	SHEQ Practitioner	<p>Emergency drills will be listed on an annual schedule with the type of drill and scenario identified.</p> <p>Type of drill includes; evacuation only; partial emergency response; full external emergency response; testing of personnel's site specific emergency procedural knowledge which shall be logged as a Layered Audit on IMS.Net.</p> <p>Scenarios will correspond to the scenarios described in the plant emergency procedures.</p>

5. EMERGENCY ASSEMBLY POINTS

- Emergency assembly point is located in front of the area between the Canteen and the Laboratory. **Refer to drawing M 584 – Emergency Escape Routes for SHEQ Department and Canteen.**
- Emergency assembly point is located in front of the Clinic and Security building. **Refer to drawing M 585 Rev A – Emergency Escape Routes for Clinic and Security.**
- Emergency assembly point is located in front of Reception and in front of the Laboratory from the Reception side emergency escape door. **Refer to drawing M 621- Emergency Escape Route for Reception.**
- Emergency assembly point is located in front of the area between the Canteen and the Laboratory. **Refer to drawing M 563 – Emergency Escape Route for Laboratory.**

6. DOCUMENTATION

The following records shall be kept:

Description	Where kept?	Retention time	Responsible
Appointments	Copy in the legal appointment file	Duration of Appointment	SHEQ Practitioner/Supervisor
Procedures	EBMS / HQMS	Until replaced or obsolete	SHEQ

Note

Records shall be kept in such a way that they are not damaged or destroyed and shall be easily retrievable.

7. DEFINITIONS AND ABBREVIATIONS - NONE

8. LIST OF LINE MANAGEMENT

SHEQ Department/ Laboratory / Clinic / Security & Canteen			
SHEQ Manager	5111	Snr Occupational Health Nurse	6122
SHEQ Superintendent	vacant	Risk Manager	5875
SHEQ Specialist	5849	Canteen Manager	083 259 0492
Lab Superintendent	6091		

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9. DOCUMENT REVISION CONTROL

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0.0		New Procedure	January 2007
1.0	All	SHERQC to SHEQ	January 2010
2.0	All	Procedure revised.	July 2011
3.0	All	Complete Revision	July 2011
3.1	All	Complete revision in order to include references to the Laboratory	Sept 2012
3.2	4	Removal of emergency vehicle	Oct 2013

10. REFERENCES

No.	Doc. No.	Title
1	PSHEN005	Environmental Emergency
2	8 TH Edition	Accident prevention manual for industrial operations (Administration and Programs 8 th Edition) Frank E. McElroy, P.E, C.S.P. Editor in chief National Safety Council
3	PRO-032 3.6.4 & 3.11	Emergency Preparedness and Response Procedure

11. APPENDICES

11.1 SHEQ EMERGENCY SCENARIOS AND DRILLS

Type of Hazard or Scenario	Extent of Impact	Possible Area affected	Shifts involved	Emergency response required	Type of Evacuation	Planned dates of Drills
e.g. Oil storage fire, CO gas explosion	e.g. Fire, Gas cloud, Explosion	e.g. Oil store, F5, Ferrometals	e.g. Night shift, Day shift.	e.g. Own Paramedics, Fire brigade, Security	e.g. Plant evacuation, FMT evacuation,	e.g. Thursday 25 July 2006

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11.2 Referral One Pagers

OP-122	Emergencies
OP-143	Emergency Response At Change House
OP-148	After hours emergency
OP-05	Emergency Assembly Points

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APPENDIX 9.10.2
RISK ASSESSMENT REGISTER

Risk Assessment: Aspect Register (48)

Assessment No.	Audit Date	Description	Assessed Area
48	2013/08/30	Aspect/Impact Register for closed furnaces	F45

Internal Team Members	
Surname, Name	Staff No
Fourie, Morne	330813
Chetty, Prenisha	339871
Booyesen, Heather	119075

External Team Members	
Surname, Name	ID Number

Casting into ingots, removal of ingots from moulds										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Generation of dust	Air pollution	Environment	Air quality	10	Normal: part of process			10	0	0

Furnace re-build /re-line										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Generation of Waste, dust, CTPV's	Soil and Air Pollution	Environment	Air Quality	1	Normal: As part of the life cycle of the furnace refractories			0.3	0	0
			Contamination of clean areas with waste	1	Normal: As part of the life cycle of the furnace refractories			0.3	0	0

Generation of Slurry										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Use of chemicals for water treatment	Soil pollution	Environment	Contamination of clean areas with chemical waste	9	Incorrect storage and handling of chemicals			0.3	0	0
Use of water	Water pollution	Environment	Contamination and consumption of clean water	900				30	0	0

Granulation										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Use of Water	Water Pollution	Environment	Contamination and consumption of clean water	90	Abnormal: Granulation explosion - loss of water			3	0	0
					Abnormal: overflows and spillages.			3	0	0
					Normal: As part of the process			3	0	0

Pre-heating of raw materials										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Generation of dust	Air pollution	Environment	Air Quality	30	Normal use of gas from furnace			0.3	0	0
	Reduction of energy consumption	Environment	energy use reduced	0.1	recycling of gas from furnace			100	831	0

Raw Material Handling										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Dust generation	Air pollution	Environment	Deterioration in Air Quality	300	Degradation due to double handling and transportation			10	0	0
					Pellets and other raw materials supplied contain dust			10	0	0

Smelting of Raw Materials into Ferrochrome/Slag										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Generatiion of CO gas	Air Quality	Environment	Deterioration in Air Quality	300	Abnormal: Flare stack not ignited			10	0	0
					Normal: As part of process of ferrochrome manufacturing			10	0	0
Generation of dust	Air Pollution	Environment	Air Quality	3000	Abnormal: Mechanical failures (ie. raw gas valve failure to close)			30	0	0
					Emergency: Venting to the atmosphere as a result of scheduled maintenance, gas plant offline			30	0	0
					Normal: Fugitive emissions as a result of normal operation			30	0	0
Generation of slag	Land Capacity	Environment	Reduction in land capacity	90	Normal: Slag is produced as part of the normal process			10	0	0
Generation of waste	Soil pollution	Environment	Contamination of clean areas with waste	90	Incorrect management (handling and disposal)			0.3	0	0
					Incorrect separation of waste			0.3	0	0
					Spillages (chemicals and oils)			0.3	0	0
Use of water	Water Pollution	Environment	Contamination and consumption of clean water	300	Abnormal: Contamination of groundwater			3	0	0
					Abnormal: Damage to water circuits (eg. Trough burn through, cooling water pipe bursts, leaking pumps etc)			3	0	0
					Normal: As part of the process if water evapourates			3	0	0
					Normal: Cooling down of slag			3	0	0
					Normal: Dust suppressant			3	0	0

Tapping as a result of the process of smelting										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Generation of CO gas	Air Pollution	Environment	Air Quality	90	Abnormal: Instabilities in process as a result of excessive lancing			9	0	0
					Normal: As part of the normal operation			9	0	0
Generation of CTPV fumes	Air Pollution	Environment		10	Abnormal: Instabilities in process as a result of excessive lancing			0.3	0	0
					Emergency: End of life of tap block may include the use of Soderberg Electrode Paste.			0.3	0	0
					Normal: As part of the normal operation			0.3	0	0
			Air Quality	10	Abnormal: Instabilities in process as a result of excessive lancing			0.3	0	0
					Emergency: End of life of tap block may include the use of Soderberg Electrode Paste.			0.3	0	0
					Normal: As part of the normal operation			0.3	0	0
Generation of dust	Air Pollution	Environment	Air Quality	90	Abnormal: Instabilities in process as a result of excessive lancing			9	0	0
					Normal: As part of the normal operation			9	0	0

Risk Assessment: Base Line (38)

Assessment No.	Audit Date	Description	Assessed Area
38	2013/06/18	Archived Baseline Risk Assessment for Logistics and CRP	Logistics

Internal Team Members	
Surname, Name	Staff No
Collins, Abie	101951
Tshabalala, Andrew	331881
du Preez, Renier	101913
van As, Henriette	333184
Toerien, Trevor	200232

External Team Members	
Surname, Name	ID Number

Chrome Recovery Plant										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Contractor Management	Injury and/or damage to property	Other		90	Non compliance to procedures	PRO-055 Managing access to FMT site	Elimination	30	0	0
						PRO-124 Work permits and Risk assessments	Elimination	30	0	0
						SO-CRGEN-000 CRP Specific Induction	Elimination	30	0	0
Emergency Preparedness and Response	Injuries, Fires, Explosions, Natural disasters, Radiation burns	Other		9	Arson, electric flashes, short circuits, environmental conditions, injuries sustained on duty, fire, exposure to radio active sources	OP-84 Radio Active Isotopes Operating Procedure	Elimination	2.7	0	0
						OP-85 Radio Active Isotopes Emergency Procedure	Elimination	2.7	0	0
						PRO-032 Emergency Preparedness and Response	Elimination	2.7	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	2.7	0	0
						SO-LGGEN-000 Emergency Preparedness and Response Procedure for Logistics	Elimination	2.7	0	0

Escom Power Lines	Injuries and/or property damage	Other		30	Surface mobile equipment making contact with the overhead power lines	Area on both sides of the power lines demarcated with safety berms	Elimination	9	0	0
						Warning signs installed alongside the power lines	Elimination	9	0	0
Hazardous Materials Management	Pollution of land,soil and water	Other		27	Non adherence to procedures	Fire Protection Systems	Elimination	9	0	0
						Monthly PMO 2 inspection of the store	Elimination	9	0	0
						OP-23 Wheelie bin contents	Elimination	9	0	0
						OP-25 Spills Response	Elimination	9	0	0
						PRO-044 Hazardous Materials Management	Elimination	9	0	0
						PRO-087 Environmental Emergency Preparedness and Response	Elimination	9	0	0
						PRO-126 Management of Polychlorinated Biphenyls(PCB's)	Elimination	9	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	9	0	0
					Spillages and/or uncontrolled release of hazardous materials	Transformers containing PCB's at CRP managed by HT Yard	Elimination	9	0	0
						Fire Protection Systems	Elimination	9	0	0
						Monthly PMO 2 inspection of the store	Elimination	9	0	0
						OP-23 Wheelie bin contents	Elimination	9	0	0
						OP-25 Spills Response	Elimination	9	0	0
						PRO-044 Hazardous Materials Management	Elimination	9	0	0
PRO-087 Environmental Emergency Preparedness and Response	Elimination	9	0	0						
PRO-126 Management of Polychlorinated Biphenyls(PCB's)	Elimination	9	0	0						
SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	9	0	0						

Hazardous Materials Management	Pollution of land,soil and water	Other		27	Spillages and/or uncontrolled release of hazardous materials	Transformers containing PCB's at CRP managed by HT Yard	Elimination	9	0	0
					Spillages, Fires	Fire Protection Systems	Elimination	9	0	0
						Monthly PMO 2 inspection of the store	Elimination	9	0	0
						OP-23 Wheelie bin contents	Elimination	9	0	0
						OP-25 Spills Response	Elimination	9	0	0
						PRO-044 Hazardous Materials Management	Elimination	9	0	0
						PRO-087 Environmental Emergency Preparedness and Response	Elimination	9	0	0
						PRO-126 Management of Polychlorinated Biphenyls(PCB's)	Elimination	9	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	9	0	0
						Transformers containing PCB's at CRP managed by HT Yard	Elimination	9	0	0
						Storage and use of hazardous materials	Fire Protection Systems	Elimination	9	0
					Monthly PMO 2 inspection of the store		Elimination	9	0	0
					OP-23 Wheelie bin contents		Elimination	9	0	0
					OP-25 Spills Response		Elimination	9	0	0
					PRO-044 Hazardous Materials Management		Elimination	9	0	0
					PRO-087 Environmental Emergency Preparedness and Response		Elimination	9	0	0
					PRO-126 Management of Polychlorinated Biphenyls(PCB's)		Elimination	9	0	0
					SO-LGCRGEN-000 CRP Plant Specific Induction		Elimination	9	0	0
					Transformers containing PCB's at CRP managed by HT Yard		Elimination	9	0	0

Human Behaviour	Fatigue	Other	90	Exposure to occupational hygiene risk factors	Employee assistance program	Elimination	27	0	0
					Medical Surveillance Program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					SOPs for all task based. Permit to work and Risk assesment for Issue based activities.	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Pregnant and lactating females	Employee assistance program	Elimination	27	0	0
					Medical Surveillance Program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					SOPs for all task based. Permit to work and Risk assesment for Issue based activities.	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Uncontrolled intake of alcohol	Employee assistance program	Elimination	27	0	0

Human Behaviour	Fatigue	Other	90	Uncontrolled intake of alcohol	Medical Surveillance Program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					SOPs for all task based. Permit to work and Risk assesment for Issue based activities.	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Unsafe acts and/or conditions	Employee assistance program	Elimination	27	0
				Medical Surveillance Program		Elimination	27	0	0
				On the job training		Elimination	27	0	0
				PRO-096 Fatigue Management Procedure		Elimination	27	0	0
				PRO-112 Substance Abuse Procedure		Elimination	27	0	0
				Recruitment and selection process		Elimination	27	0	0
				Reporting of the pregnancy to the supervisor and the clinic		Elimination	27	0	0
				SOPs for all task based. Permit to work and Risk assesment for Issue based activities.		Elimination	27	0	0
				Supervision		Elimination	27	0	0
				Two yearly occupational hygiene risk assessments		Elimination	27	0	0
				Working excessive hours or fatigue shifts	Employee assistance program	Elimination	27	0	0
					Medical Surveillance Program	Elimination	27	0	0

Human Behaviour	Fatigue	Other		90	Working excessive hours or fatigue shifts	On the job training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and selection process	Elimination	27	0	0
						Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
						SOPs for all task based. Permit to work and Risk assesment for Issue based activities.	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
Occupational Hygiene Factors	NIHL and Health related illnesses	Other		90	Exposure to occupational hygiene factors such as exceeding the OEL for HCS's and Noise	Measurement of vibration in the plant by an approved inspection authority	Elimination	9	0	0
						Medical Surveillance Program	Elimination	9	0	0
						PRO-002 Hearing Conservation Program	Elimination	9	0	0
						PRO-004 Respiratory Protection Program	Elimination	9	0	0
					Vibration	Measurement of vibration in the plant by an approved inspection authority	Elimination	9	0	0
						Medical Surveillance Program	Elimination	9	0	0
						PRO-002 Hearing Conservation Program	Elimination	9	0	0
						PRO-004 Respiratory Protection Program	Elimination	9	0	0
Plant and Equipment	Injuries and/or damage to equipment	Other		90	Cable theft	Access control	Elimination	30	0	0
						Engineering controls to prevent theft	Elimination	30	0	0
						Parameter fencing (connected to alarm)	Elimination	30	0	0
						Safe Operating Procedures as per detailed HQMS list	Elimination	30	0	0

Plant and Equipment	Injuries and/or damage to equipment	Other		90	Cable theft	Security monitoring (patrol, dogs, tag points)	Elimination	30	0	0
						SO-LGCRGEN-000 CRP Plant specific induction	Elimination	30	0	0
					Unsafe acts and/or conditions	Access control	Elimination	30	0	0
						Engineering controls to prevent theft	Elimination	30	0	0
						Parameter fencing (connected to alarm)	Elimination	30	0	0
						Safe Operating Procedures as per detailed HQMS list	Elimination	30	0	0
						Security monitoring (patrol, dogs, tag points)	Elimination	30	0	0
	SO-LGCRGEN-000 CRP Plant specific induction	Elimination	30	0	0					
Quality Management	Incorrect sizing and contamination of final product	Other		27	Lack of inspections on the jigging plant and inadequate maintenance and inspection on the screen panels	SO-CR-019 Replacing of screen springs and panels	Elimination	2.7	0	0
						SO-CR-035 Starting,operating and stopping of the jigging section	Elimination	2.7	0	0
Slag Processing	Injuries and/or damage to equipment	Other		90	Shutdown of furnaces	Availability from the current arisings and historical dumps	Elimination	30	0	0
						Safe Operating Procedures and Plant Specific Induction as per the detailed HQMS list	Elimination	30	0	0
					Unsafe acts and/or conditions	Availability from the current arisings and historical dumps	Elimination	30	0	0
						Safe Operating Procedures and Plant Specific Induction as per the detailed HQMS list	Elimination	30	0	0
Slimes Dam Operations	Injuries and drowning	Other		30	Unauthorised entry,unsafe acts and/or conditions	SO-CR-037 Access control to the slimes dam for work,inspections and others	Elimination	9	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	9	0	0

Surface Mobile Equipment	Injuries and/or damage to property	Other		90	Non compliance to FRCP SME protocol procedure and plant specific procedures	FRCP SME PRO-109	Elimination	27	0	0
Waste Management	Pollution of land, soil and ground water	Other		90	Domestic waste	Annual stability control assessments done by Fraser Alexander Tailings	Elimination	10	0	0
						ECA Section 20 slag permit	Elimination	10	0	0
						OP-134 Paper recycling	Elimination	10	0	0
						OP-23 Wheelie bin contents	Elimination	10	0	0
						OP-25 Spills Response	Elimination	10	0	0
						PRO-044 Hazardous Materials Management	Elimination	10	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	10	0	0
						PRO-092 Waste Management	Elimination	10	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	10	0	0
					Final discard dump	Annual stability control assessments done by Fraser Alexander Tailings	Elimination	10	0	0
						ECA Section 20 slag permit	Elimination	10	0	0
						OP-134 Paper recycling	Elimination	10	0	0
						OP-23 Wheelie bin contents	Elimination	10	0	0
						OP-25 Spills Response	Elimination	10	0	0
						PRO-044 Hazardous Materials Management	Elimination	10	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	10	0	0
						PRO-092 Waste Management	Elimination	10	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	10	0	0

Waste Management	Pollution of land, soil and ground water	Other		90	Oil storage and handling	Annual stability control assessments done by Fraser Alexander Tailings	Elimination	10	0	0
						ECA Section 20 slag permit	Elimination	10	0	0
						OP-134 Paper recycling	Elimination	10	0	0
						OP-23 Wheelie bin contents	Elimination	10	0	0
						OP-25 Spills Response	Elimination	10	0	0
						PRO-044 Hazardous Materials Management	Elimination	10	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	10	0	0
						PRO-092 Waste Management	Elimination	10	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	10	0	0
					Slimes dam	Annual stability control assessments done by Fraser Alexander Tailings	Elimination	10	0	0
						ECA Section 20 slag permit	Elimination	10	0	0
						OP-134 Paper recycling	Elimination	10	0	0
						OP-23 Wheelie bin contents	Elimination	10	0	0
						OP-25 Spills Response	Elimination	10	0	0
						PRO-044 Hazardous Materials Management	Elimination	10	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	10	0	0
						PRO-092 Waste Management	Elimination	10	0	0
						SO-LGCRGEN-000 CRP Plant Specific Induction	Elimination	10	0	0

High Carbon Crushing and Despatch										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Contractor Management	Injuries and or damage to property	Other		30	Non compliance to procedures	PRO-055 Managing Access to FMT Site	Elimination	9	0	0
						PRO-124 Work permits and Risk Assessments	Elimination	9	0	0
						SO-LGFP-000 FP Specific Induction	Elimination	9	0	0
Crushing Plant Operation	Injuries and/or damage to equipment	Other		30	Non adherence to procedures	SO-COBM-HO-001 Loading of Final Products trucks	Elimination	9	0	0
						SO-COBM-HO-002 Loading and Transporting of Crushing plant products	Elimination	9	0	0
						SO-COBM-HO-006 Transport of granulation material to Final Products	Elimination	9	0	0
						SO-LGFP-000 Final Products Specific Induction	Elimination	9	0	0
						SO-LGFP-001 Crushing of Final Products	Elimination	9	0	0
						SO-LGFP-002 Loading of Final Products	Elimination	9	0	0
						SO-LGFP-004 Screen changes at Chrome Plant	Elimination	9	0	0
						SO-LGRM-000 Road Transport SHE Induction	Elimination	9	0	0
Emergency Preparedness and Response	Injuries, Fires, Explosions, Natural disasters	Other		9	Arson, electrical flashes, short circuits, explosions, environmental conditions, injuries sustained on duty, fire	Annual Mock drills	Elimination	2.7	0	0
						PRO-032 Emergency Preparedness and Response Procedure	Elimination	2.7	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	2.7	0	0
						SO-LGGEN-000 Emergency Preparedness and Response Procedure for Logistics	Elimination	2.7	0	0

Human Behaviour	Fatigue	Other	90	Exposure to occupational hygiene factors	Annual Medical surveillance program	Elimination	27	0	0
					Employee assistance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Program	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Pregnant and lactating females	Annual Medical surveillance program	Elimination	27	0	0
					Employee assistance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Program	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Uncontrolled intake of alcohol	Annual Medical surveillance program	Elimination	27	0	0
					Employee assistance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0

Human Behaviour	Fatigue	Other	90	Uncontrolled intake of alcohol	PRO-112 Substance Abuse Program	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Unsafe acts and/or conditions	Annual Medical surveillance program	Elimination	27	0	0
					Employee assistance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Program	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
				Working excessive hours or fatigue shifts	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Annual Medical surveillance program	Elimination	27	0	0
					Employee assistance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse Program	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of the pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0

Human Behaviour	Fatigue	Other		90	Working excessive hours or fatigue shifts	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
Occupational Hygiene Factors	NIHL and Health related illnesses	Other		9	Exposure to occupational hygiene factors exceeding the OEL's for HCS and Noise	Annual Medical surveillance program	Elimination	2.7	0	0
						Man task specifications	Elimination	2.7	0	0
						PRO-002 Hearing Conservation Program	Elimination	2.7	0	0
						PRO-004 Respiratory Protection Program	Elimination	2.7	0	0
						Two yearly occupational hygiene risk assessments	Elimination	2.7	0	0
Plant and Equipment	Plant and equipment unavailability	Other		10	Breakdowns	Access Control	Elimination	3	0	0
						Engineering controls to prevent theft	Elimination	3	0	0
						Parameter fencing (Connected to Alarm)	Elimination	3	0	0
						Planned maintenance	Elimination	3	0	0
						Security Monitoring (Patrol, dogs, tag points)	Elimination	3	0	0
					Cable theft	Access Control	Elimination	3	0	0
						Engineering controls to prevent theft	Elimination	3	0	0
						Parameter fencing (Connected to Alarm)	Elimination	3	0	0
						Planned maintenance	Elimination	3	0	0
						Security Monitoring (Patrol, dogs, tag points)	Elimination	3	0	0
Quality Management	Discrepancies of material/mass between MES and SAP	Other		270	Human error and interface problems between MES and SAP	All material received sampled and analysed prior to stockpiling	Elimination	30	0	0
						Annual weighbridge calibrations planned (PMO2)	Elimination	30	0	0
						Combo weighbridge caters for axle weighing according to AARTO	Elimination	30	0	0
						Hardware failures reported and addressed via the IT Call logging and MES procedure	Elimination	30	0	0

Quality Management	Discrepancies of material/mass between MES and SAP	Other		270	Human error and interface problems between MES and SAP	Marketing department source potential customers for out of specification material	Elimination	30	0	0
						Out of specification material stored on a separate stockpile	Elimination	30	0	0
						SO-LGFP-012 High Carbon and Medium Carbon month end procedure	Elimination	30	0	0
						Weekly verifications between all weighbridges	Elimination	30	0	0
					Material received from the furnaces out of specification	All material received sampled and analysed prior to stockpiling	Elimination	30	0	0
						Annual weighbridge calibrations planned (PMO2)	Elimination	30	0	0
						Combo weighbridge caters for axle weighing according to AARTO	Elimination	30	0	0
						Hardware failures reported and addressed via the IT Call logging and MES procedure	Elimination	30	0	0
						Marketing department source potential customers for out of specification material	Elimination	30	0	0
						Out of specification material stored on a separate stockpile	Elimination	30	0	0
						SO-LGFP-012 High Carbon and Medium Carbon month end procedure	Elimination	30	0	0
						Weekly verifications between all weighbridges	Elimination	30	0	0
					Scales not calibrated	All material received sampled and analysed prior to stockpiling	Elimination	30	0	0
						Annual weighbridge calibrations planned (PMO2)	Elimination	30	0	0
						Combo weighbridge caters for axle weighing according to AARTO	Elimination	30	0	0

Quality Management	Discrepancies of material/mass between MES and SAP	Other		270	Scales not calibrated	Hardware failures reported and addressed via the IT Call logging and MES procedure	Elimination	30	0	0
						Marketing department source potential customers for out of specification material	Elimination	30	0	0
						Out of specification material stored on a separate stockpile	Elimination	30	0	0
						SO-LGFP-012 High Carbon and Medium Carbon month end procedure	Elimination	30	0	0
						Weekly verifications between all weighbridges	Elimination	30	0	0
Surface Mobile Equipment	Injuries and/or damage to property	Other		90	Non compliance to FRCP SME protocol procedures and plant specific procedures	FRCP SME PRO-109	Elimination	30	0	0
						SO-LGRM-000 Road Transporter Contractors Induction	Elimination	30	0	0
Waste Management	Domestic Waste Generation	Other		27	Domestic waste generated by the process in offices	Dust extraction/suppression system and dust bagging plant	Elimination	3	0	0
						OP-134 Paper recycling	Elimination	3	0	0
						PRO-092 Waste Management	Elimination	3	0	0
					Dust generated by the Chrome crushing plant and the movement of SME	SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0
						Dust extraction/suppression system and dust bagging plant	Elimination	3	0	0
						OP-134 Paper recycling	Elimination	3	0	0
						PRO-092 Waste Management	Elimination	3	0	0
SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0						

Maintenance										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Contractor Management	Injuries and/or damage to property	Other		30	Non compliance to procedures	Maintenance procedures Stimela as per HQMS detail report	Elimination	9	0	0
						PRO-055 Managing Access to FMT Site	Elimination	9	0	0
						PRO-124 Work permits and Risk Assessments	Elimination	9	0	0
						SO-LGMA-000 Maintenance Specific Induction	Elimination	9	0	0
Emergency Preparedness and Response	Injuries, Fires, Explosions, Gassing, Natural disasters	Other		9	Arson, electrical flashes, short circuits, explosions, environmental conditions, injuries sustained on duty, fire	PRO-032 Emergency Preparedness and Response Procedure	Elimination	2.7	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	2.7	0	0
						SO-LGGEN-000 Emergency Preparedness and Response Procedure for Logistics	Elimination	2.7	0	0
Hazardous Materials Management	Exposure to Sasol gas	Other		90	Ingestion, inhalation and/or skin exposure to Kilo Max 700 WSG & Format 250 SL	Ensure that PPE is used as required by the MSDS's	Elimination	9	0	0
						Material Safety Data Sheets	Elimination	9	0	0
						Monthly PMO 2 Inspection of oil store	Elimination	9	0	0
						OP-24 Confined Space Entry	Elimination	9	0	0
						PRO-005 Confined Space Entry	Elimination	9	0	0
						PRO-044 Hazardous Materials Management	Elimination	9	0	0
						PRO-124 Work permit and Risk Assessment procedure	Elimination	9	0	0
						SO-LGFP-000 FP Specific Induction	Elimination	9	0	0
						SO-LGMM-027 Drying Plant Maintenance	Elimination	9	0	0
						Training of Stimela Contractors on respective MSDS's.	Elimination	9	0	0

Hazardous Materials Management	Exposure to Sasol gas	Other		90	Non adherence to procedures	Ensure that PPE is used as required by the MSDS's	Elimination	9	0	0	
						Material Safety Data Sheets	Elimination	9	0	0	
						Monthly PMO 2 Inspection of oil store	Elimination	9	0	0	
						OP-24 Confined Space Entry	Elimination	9	0	0	
						PRO-005 Confined Space Entry	Elimination	9	0	0	
						PRO-044 Hazardous Materials Management	Elimination	9	0	0	
						PRO-124 Work permit and Risk Assessment procedure	Elimination	9	0	0	
						SO-LGFP-000 FP Specific Induction	Elimination	9	0	0	
						SO-LGMM-027 Drying Plant Maintenance	Elimination	9	0	0	
						Training of Stimela Contractors on respective MSDS's.	Elimination	9	0	0	
						Non adherence to procedures	Ensure that PPE is used as required by the MSDS's	Elimination	9	0	0
							Material Safety Data Sheets	Elimination	9	0	0
							Monthly PMO 2 Inspection of oil store	Elimination	9	0	0
							OP-24 Confined Space Entry	Elimination	9	0	0
							PRO-005 Confined Space Entry	Elimination	9	0	0
							PRO-044 Hazardous Materials Management	Elimination	9	0	0
							PRO-124 Work permit and Risk Assessment procedure	Elimination	9	0	0
							SO-LGFP-000 FP Specific Induction	Elimination	9	0	0
							SO-LGMM-027 Drying Plant Maintenance	Elimination	9	0	0
							Training of Stimela Contractors on respective MSDS's.	Elimination	9	0	0
		Storage and use of hazardous materials	Ensure that PPE is used as required by the MSDS's	Elimination	9	0	0				

Hazardous Materials Management	Exposure to Sasol gas	Other		90	Storage and use of hazardous materials	Material Safety Data Sheets	Elimination	9	0	0
						Monthly PMO 2 Inspection of oil store	Elimination	9	0	0
						OP-24 Confined Space Entry	Elimination	9	0	0
						PRO-005 Confined Space Entry	Elimination	9	0	0
						PRO-044 Hazardous Materials Management	Elimination	9	0	0
						PRO-124 Work permit and Risk Assessment procedure	Elimination	9	0	0
						SO-LGFP-000 FP Specific Induction	Elimination	9	0	0
						SO-LGMM-027 Drying Plant Maintenance	Elimination	9	0	0
						Training of Stimela Contractors on respective MSDS's.	Elimination	9	0	0
						Human Behaviour	Fatigue	Other		90
Medical surveillance program	Elimination	27	0	0						
On the job training	Elimination	27	0	0						
PRO-096 Fatigue Management Procedure	Elimination	27	0	0						
PRO-112 Substance Abuse procedure	Elimination	27	0	0						
Recruitment and selection process	Elimination	27	0	0						
Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0						
Supervision	Elimination	27	0	0						
Two yearly occupational hygiene risk assessments	Elimination	27	0	0						
Pregnant and lactating females	Employee assistance program	Elimination	27	0	0					
	Medical surveillance program	Elimination	27	0	0					
	On the job training	Elimination	27	0	0					
	PRO-096 Fatigue Management Procedure	Elimination	27	0	0					

Human Behaviour	Fatigue	Other	90	Pregnant and lactating females	PRO-112 Substance Abuse procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
					Two yearly occupational hygiene risk assessments	Elimination	27	0	0
				Uncontrolled intake of alcohol	Employee assistance program	Elimination	27	0	0
					Medical surveillance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0
				Unsafe acts and/or conditions	Employee assistance program	Elimination	27	0	0
					Medical surveillance program	Elimination	27	0	0
					On the job training	Elimination	27	0	0
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0
					PRO-112 Substance Abuse procedure	Elimination	27	0	0
					Recruitment and selection process	Elimination	27	0	0
					Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
					Supervision	Elimination	27	0	0

Human Behaviour	Fatigue	Other		90	Unsafe acts and/or conditions	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Working excessive hours or fatigue shifts	Employee assistance program	Elimination	27	0	0
						Medical surveillance program	Elimination	27	0	0
						On the job training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse procedure	Elimination	27	0	0
						Recruitment and selection process	Elimination	27	0	0
						Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
Maintenance Activities	Injuries and/or damage to property	Other		90	Confined Space entry procedure not adhered to	Materials Handling Maintenance procedures as per HQMS Detail Report	Elimination	30	0	0
						OP-24 Confined Space Entry	Elimination	30	0	0
						PMO 2 Schedules for inspection and maintenance purposes	Elimination	30	0	0
						PRO-005 Confined Space Entry	Elimination	30	0	0
						PRO-124 Work permit and Risk assessment procedure	Elimination	30	0	0
						SAP Functional Locations and Bill of materials	Elimination	30	0	0
						SO-LGMA-000 Maintenance Specific Induction	Elimination	30	0	0
						SO-LGMM-027 Drying Plant Maintenance	Elimination	30	0	0
						Unsafe acts and/or conditions and breakdown of equipment	Materials Handling Maintenance procedures as per HQMS Detail Report	Elimination	30	0

Maintenance Activities	Injuries and/or damage to property	Other		90	Unsafe acts and/or conditions and breakdown of equipment	OP-24 Confined Space Entry	Elimination	30	0	0
						PMO 2 Schedules for inspection and maintenance purposes	Elimination	30	0	0
						PRO-005 Confined Space Entry	Elimination	30	0	0
						PRO-124 Work permit and Risk assessment procedure	Elimination	30	0	0
						SAP Functional Locations and Bill of materials	Elimination	30	0	0
						SO-LGMA-000 Maintenance Specific Induction	Elimination	30	0	0
						SO-LGMM-027 Drying Plant Maintenance	Elimination	30	0	0
Occupational Hygiene Factors	NIHL and Health related illnesses	Other		90	Exposure to occupational hygiene factors exceeding the OEL for HCS's and Noise	Man task specifications	Elimination	3	0	0
						Medical Surveillance Program	Elimination	3	0	0
						PRO-002 Hearing Conservation Program	Elimination	3	0	0
						PRO-004 Respiratory Protection Program	Elimination	3	0	0
						Two yearly occupational hygiene risk assessments	Elimination	3	0	0
Surface Mobile Equipment	Injuries and/or damage to property	Other		90	Non compliance to FRCP SME procedure and plant specific procedures	FRCP SME- PRO-109	Elimination	27	0	0
Waste Management	Pollution of ground and water	Other		27	Waste generated by the process in offices and workshop activities	OP-134 Paper recycling	Elimination	3	0	0
						OP-23 Wheelie bin	Elimination	3	0	0
						OP-25 Spills response	Elimination	3	0	0
						OP-31 Waste bin colour coding	Elimination	3	0	0
						Preventative maintenance program on SME's	Elimination	3	0	0
						PRO-092 Waste Management	Elimination	3	0	0
					Oil spillages due to breakdown of SME's	OP-134 Paper recycling	Elimination	3	0	0
						OP-23 Wheelie bin	Elimination	3	0	0

Waste Management	Pollution of ground and water	Other		27	Oil spillages due to breakdown of SME's	OP-25 Spills response	Elimination	3	0	0
						OP-31 Waste bin colour coding	Elimination	3	0	0
						Preventative maintenace program on SME's	Elimination	3	0	0
						PRO-092 Waste Management	Elimination	3	0	0

Medium Carbon, Drying, Packing and Despatch										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Contractor Management	Injuries and/or damage to property	Other		30	Non compliance to procedures	PRO-055 Managing Access to FMT Site	Elimination	9	0	0
						PRO-124 Work permits and Risk Assessments	Elimination	9	0	0
						SO-LGFP-000 FP Specific Induction	Elimination	9	0	0
Emergency Preparedness and Response	Injuries, fires, explosions, natural disasters	Other		9	Arson, electrical flashes, short circuits, explosions, environmental conditions, injuries sustained on duty, fire	PRO-032 Emergency Preparedness and Response Procedure	Elimination	2.7	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	2.7	0	0
						SO-LGGEN-000 Emergency Preparedness and Response Procedure for Logistics	Elimination	2.7	0	0
Hazardous Materials Management	Exposure to Sasol gas	Other		270	Leaks and possible malfunctioning of equipment and non adherence to procedures	Monthly Maintenance PMO-2 Schedule	Elimination	27	0	0
						MSDS available at plant and on EBMS	Elimination	27	0	0
						OP-49 Materials Handling - Operating of Drying Plant	Elimination	27	0	0
						SO-LGFP-009 Operating Drying and Packing plant	Elimination	27	0	0
Human Behaviour	Fatigue	Other		90	Exposure to occupational hygiene risk factors	Employee assistance program	Elimination	27	0	0
						Medical surveillance	Elimination	27	0	0
						On the job training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection process	Elimination	27	0	0
						Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
						Supervision	Elimination	27	0	0

Human Behaviour	Fatigue	Other		90	Exposure to occupational hygiene risk factors	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Pregnant and Lactating females	Employee assistance program	Elimination	27	0	0
						Medical surveillance	Elimination	27	0	0
						On the job training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection process	Elimination	27	0	0
						Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Uncontrolled intake of alcohol	Employee assistance program	Elimination	27	0	0
						Medical surveillance	Elimination	27	0	0
						On the job training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection process	Elimination	27	0	0
						Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Unsafe acts and/or conditions	Employee assistance program	Elimination	27	0	0
						Medical surveillance	Elimination	27	0	0
On the job training	Elimination	27	0	0						

Human Behaviour	Fatigue	Other		90	Unsafe acts and/or conditions	PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection process	Elimination	27	0	0
						Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
						Working excessive hours or fatigue shifts	Employee assistance program	Elimination	27	0
					Medical surveillance	Elimination	27	0	0	
					On the job training	Elimination	27	0	0	
					PRO-096 Fatigue Management Procedure	Elimination	27	0	0	
					PRO-112 Substance Abuse Procedure	Elimination	27	0	0	
					Recruitment and Selection process	Elimination	27	0	0	
					Reporting of pregnancy to the supervisor and the clinic	Elimination	27	0	0	
					Supervision	Elimination	27	0	0	
Two yearly occupational hygiene risk assessments	Elimination	27	0	0						
Material Handling	Injury and/or damage to equipment	Other		30	Non adherence to procedures	OP-49 Material Handling - Operating of Drying Plant	Elimination	9	0	0
						SO-COBM-HO-003 Loading and movement of Drying Plant product	Elimination	9	0	0
						SO-COBM-HO-006 Transport of granulation product to Final Products	Elimination	9	0	0
						SO-LGFP-000 Final Products Specific Induction	Elimination	9	0	0
						SO-LGFP-009 Operating Drying and Packing Plant	Elimination	9	0	0

Material Handling	Injury and/or damage to equipment	Other		30	Non adherence to procedures	SO-LGRM-000 Road Transport Contractor's Specific Induction	Elimination	9	0	0
Occupational Hygiene Factors	NIHL and Health related illnesses	Other		9	Exposure to occupational hygiene factors exceeding the OEL for HCS's, Heat Stress and Noise	Man Task Specifications	Elimination	2.7	0	0
						Medical Surveillance Program	Elimination	2.7	0	0
						PRO-002 Hearing Conservation Program	Elimination	2.7	0	0
						PRO-003 Heat Stress Management Program	Elimination	2.7	0	0
						PRO-004 Respiratory Protection Program	Elimination	2.7	0	0
						Two yearly Occupational Hygiene Risk Assessments	Elimination	2.7	0	0
Plant and Equipment	Plant and equipment unavailability	Other		30	Breakdowns	Access control	Elimination	10	0	0
						Engineering controls to prevent theft	Elimination	10	0	0
						Parameter fencing (connected to Alarm)	Elimination	10	0	0
						Planned maintenance	Elimination	10	0	0
						Security Monitoring (patrol, dogs, tag points)	Elimination	10	0	0
					Cable theft	Access control	Elimination	10	0	0
						Engineering controls to prevent theft	Elimination	10	0	0
						Parameter fencing (connected to Alarm)	Elimination	10	0	0
						Planned maintenance	Elimination	10	0	0
						Security Monitoring (patrol, dogs, tag points)	Elimination	10	0	0
Quality Management	Quality of medium carbon material received/dispatched out of specification	Other		270	Human error and interface problems between MES and SAP	All materials received sampled and analysis prior to pushing up onto stockpiles	Elimination	30	0	0
						Marketing department source potential customers for out of specification materials	Elimination	30	0	0
						Monthly PMO-2 schedule for the calibration of the scales	Elimination	30	0	0
						Out of specification materials stored on a seperate stockpile	Elimination	30	0	0

Quality Management	Quality of medium carbon material received/dispatched out of specification	Other	270	Human error and interface problems between MES and SAP	SO-LGFP-009 Operating Drying and Packing Plant	Elimination	30	0	0
					SO-LGFP-012 High carbon and Medium carbon month end procedure	Elimination	30	0	0
					Visual dual mionitor to compare mass on bag scale readings	Elimination	30	0	0
					Weighing out of material at the Combination weighbridge as the final pay mass	Elimination	30	0	0
				Material received from the furnaces out of specification	All materials received sampled and analysis prior to pushing up onto stockpiles	Elimination	30	0	0
					Marketing department source potential customers for out of specification materials	Elimination	30	0	0
					Monthly PMO-2 schedule for the calibration of the scales	Elimination	30	0	0
					Out of specification materials stored on a seperate stockpile	Elimination	30	0	0
					SO-LGFP-009 Operating Drying and Packing Plant	Elimination	30	0	0
					SO-LGFP-012 High carbon and Medium carbon month end procedure	Elimination	30	0	0
					Visual dual mionitor to compare mass on bag scale readings	Elimination	30	0	0
					Weighing out of material at the Combination weighbridge as the final pay mass	Elimination	30	0	0
				Scales not calibrated	All materials received sampled and analysis prior to pushing up onto stockpiles	Elimination	30	0	0
					Marketing department source potential customers for out of specification materials	Elimination	30	0	0

Quality Management	Quality of medium carbon material received/dispatched out of specification	Other		270	Scales not calibrated	Monthly PMO-2 schedule for the calibration of the scales	Elimination	30	0	0
						Out of specification materials stored on a separate stockpile	Elimination	30	0	0
						SO-LGFP-009 Operating Drying and Packing Plant	Elimination	30	0	0
						SO-LGFP-012 High carbon and Medium carbon month end procedure	Elimination	30	0	0
						Visual dual monitor to compare mass on bag scale readings	Elimination	30	0	0
						Weighing out of material at the Combination weighbridge as the final pay mass	Elimination	30	0	0
Surface Mobile Equipment	Injuries and/or damage to property	Other		90	Non compliance to FRCP SME protocol procedures and plant specific procedures	FRCP SME PRO-109	Elimination	30	0	0
						SO-LGRM-000 Road Transporters Contractor's SHE Induction	Elimination	30	0	0
Waste Management	Domestic Waste generation	Other		0.1	Domestic waste generated by the process in offices	Natural and Mechanical ventilation	Elimination	0.03	0	0
						Occupational Hygiene Survey indicate levels below OEL	Elimination	0.03	0	0
						OP-134 Paper Recycling	Elimination	0.03	0	0
						OP-23 Wheelie bin	Elimination	0.03	0	0
						OP-25 Spills Response	Elimination	0.03	0	0
						Preventative Maintenance program on SME's	Elimination	0.03	0	0
						PRO-092 Waste Management	Elimination	0.03	0	0
						SO-COBM-CO 011 Cleaning of roads with road sweeper	Elimination	0.03	0	0
					Dust generated by SME traffic inside the Packaging Hall	Natural and Mechanical ventilation	Elimination	0.03	0	0
						Occupational Hygiene Survey indicate levels below OEL	Elimination	0.03	0	0

Waste Management	Domestic Waste generation	Other		0.1	Dust generated by SME traffic inside the Packaging Hall	OP-134 Paper Recycling	Elimination	0.03	0	0	
						OP-23 Wheelie bin	Elimination	0.03	0	0	
						OP-25 Spills Response	Elimination	0.03	0	0	
						Preventative Maintenance program on SME's	Elimination	0.03	0	0	
						PRO-092 Waste Management	Elimination	0.03	0	0	
						SO-COBM-CO 011 Cleaning of roads with road sweeper	Elimination	0.03	0	0	
						Generation of diesel fumes and carbon monoxide gases by SME' whilst inside the Packaging Hall and Sasol gas emissions at the Drying plant	Natural and Mechanical ventilation	Elimination	0.03	0	0
							Occupational Hygiene Survey indicate levels below OEL	Elimination	0.03	0	0
							OP-134 Paper Recycling	Elimination	0.03	0	0
					OP-23 Wheelie bin		Elimination	0.03	0	0	
					OP-25 Spills Response		Elimination	0.03	0	0	
					Preventative Maintenance program on SME's		Elimination	0.03	0	0	
					PRO-092 Waste Management		Elimination	0.03	0	0	
					SO-COBM-CO 011 Cleaning of roads with road sweeper		Elimination	0.03	0	0	
					Oil spillages due to breakdowns of SME's		Natural and Mechanical ventilation	Elimination	0.03	0	0
						Occupational Hygiene Survey indicate levels below OEL	Elimination	0.03	0	0	
						OP-134 Paper Recycling	Elimination	0.03	0	0	
						OP-23 Wheelie bin	Elimination	0.03	0	0	
						OP-25 Spills Response	Elimination	0.03	0	0	
						Preventative Maintenance program on SME's	Elimination	0.03	0	0	
						PRO-092 Waste Management	Elimination	0.03	0	0	

Waste Management	Domestic Waste generation	Other		0.1	Oil spillages due to breakdowns of SME's	SO-COBM-CO 011 Cleaning of roads with road sweeper	Elimination	0.03	0	0
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Raw Materials										
Hazard Aspect	Risk (Unwanted Event)	Risk Classification	Impact	PRR	Causes	Controls	Control Type	RRR	Linked ManPlan	Linked RA
Contractor Management	Injuries and or damage to property	Other		30	Non compliance to procedures	PRO-055 Managing Access to FMT site	Elimination	9	0	0
						PRO-124 Work permits and Risk assessments	Elimination	9	0	0
						SO-LGRM-000 Raw material handling plant specific induction	Elimination	9	0	0
						Weekly meetings with on site service providers	Elimination	9	0	0
Emergency Preparedness and Response	Injuries, Fires, Explosions,Natural disasters	Other		9	Arson, electrical flashes, short circuits, explosions, environmental conditions, injuries sustained on duty, fire	Annual Mock drills	Elimination	2.7	0	0
						PRO-032 Emergency Preparedness and Response Procedure	Elimination	2.7	0	0
						PRO-087 Environmental Emergency Preparedness Response	Elimination	2.7	0	0
						SO-LGGEN-000 Emergency Preparedness and Response Procedure for Logistics	Elimination	2.7	0	0
Human Behaviour	Injuries	Other		90	Exposure to occupational hygiene risk factors	Annual medicals	Elimination	27	0	0
						Employee Assistance Program	Elimination	27	0	0
						On the Job Training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection Process	Elimination	27	0	0
						Reporting of pregnancy to supervisor and the clinic	Elimination	27	0	0
						Six monthly assessment report to the Dept of Labour regarding crystalline silica quartz	Elimination	27	0	0
Supervision	Elimination	27	0	0						

Human Behaviour	Injuries	Other		90	Exposure to occupational hygiene risk factors	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Pregnant and Lactating Females	Annual medicals	Elimination	27	0	0
						Employee Assistance Program	Elimination	27	0	0
						On the Job Training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection Process	Elimination	27	0	0
						Reporting of pregnancy to supervisor and the clinic	Elimination	27	0	0
						Six monthly assessment report to the Dept of Labour regarding crystalline silica quartz	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Uncontrolled intake of alcohol	Annual medicals	Elimination	27	0	0
						Employee Assistance Program	Elimination	27	0	0
						On the Job Training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection Process	Elimination	27	0	0
						Reporting of pregnancy to supervisor and the clinic	Elimination	27	0	0
						Six monthly assessment report to the Dept of Labour regarding crystalline silica quartz	Elimination	27	0	0
Supervision	Elimination	27	0	0						

Human Behaviour	Injuries	Other		90	Uncontrolled intake of alcohol	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Unsafe Acts and/or Conditions	Annual medicals	Elimination	27	0	0
						Employee Assistance Program	Elimination	27	0	0
						On the Job Training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection Process	Elimination	27	0	0
						Reporting of pregnancy to supervisor and the clinic	Elimination	27	0	0
						Six monthly assessment report to the Dept of Labour regarding crystalline silica quartz	Elimination	27	0	0
						Supervision	Elimination	27	0	0
						Two yearly occupational hygiene risk assessments	Elimination	27	0	0
					Working excessive hours or fatigue shift	Annual medicals	Elimination	27	0	0
						Employee Assistance Program	Elimination	27	0	0
						On the Job Training	Elimination	27	0	0
						PRO-096 Fatigue Management Procedure	Elimination	27	0	0
						PRO-112 Substance Abuse Procedure	Elimination	27	0	0
						Recruitment and Selection Process	Elimination	27	0	0
						Reporting of pregnancy to supervisor and the clinic	Elimination	27	0	0
						Six monthly assessment report to the Dept of Labour regarding crystalline silica quartz	Elimination	27	0	0
						Supervision	Elimination	27	0	0

Human Behaviour	Injuries	Other		90	Working excessive hours or fatigue shift	Two yearly occupational hygiene risk assessments	Elimination	27	0	0
Occupational Hygiene Factors	NIHL and Health related illnesses	Other		9	Exposure to occupational hygiene factors exceeding the OEL for HCS's, Heat Stress and Noise	Annual Medical Surveillance Program	Elimination	2.7	0	0
						Health & Hygiene Procedures: PRO-002 Hearing Conservation Program PRO-003 Heat Stress Management Program PRO-004 Respiratory Protection Program	Elimination	2.7	0	0
						Man Task Specifications	Elimination	2.7	0	0
						Two yearly Occupational Hygiene Risk Assessments	Elimination	2.7	0	0
Plant and Equipment	Plant and Equipment availability	Other		3	Breakdowns	Access Control	Elimination	0.9	0	0
						Engineeringf controls to prevent theft	Elimination	0.9	0	0
						Parameter fencing (connected to Alarm)	Elimination	0.9	0	0
						Planned maintenance	Elimination	0.9	0	0
						Security monitoring (Patrol, dogs, tag points)	Elimination	0.9	0	0
					Cable theft	Access Control	Elimination	0.9	0	0
						Engineeringf controls to prevent theft	Elimination	0.9	0	0
						Parameter fencing (connected to Alarm)	Elimination	0.9	0	0
						Planned maintenance	Elimination	0.9	0	0
						Security monitoring (Patrol, dogs, tag points)	Elimination	0.9	0	0
Quality Management	Quality and mass of raw materials received out of specification	Other		90	Human error and interface problems between MES and SAP	Corrective Action Report followed by a significant incident report (SIR)	Elimination	10	0	0
						PMO 2 - Bi-annual calibration of all weighbridges	Elimination	10	0	0
						SO-LGRM-003 Sampling of raw materials	Elimination	10	0	0

Quality Management	Quality and mass of raw materials received out of specification	Other		90	Human error and interface problems between MES and SAP	SO-LGRM-010 Raw material mini and month end process	Elimination	10	0	0
						Supervision/ Inspections	Elimination	10	0	0
						Weekly cross weight verification between weighbridges	Elimination	10	0	0
						Mines supplying out of specification material	Corrective Action Report followed by a significant incident report (SIR)	Elimination	10	0
						PMO 2 - Bi-annual calibration of all weighbridges	Elimination	10	0	0
						SO-LGRM-003 Sampling of raw materials	Elimination	10	0	0
						SO-LGRM-010 Raw material mini and month end process	Elimination	10	0	0
						Supervision/ Inspections	Elimination	10	0	0
					Weekly cross weight verification between weighbridges	Elimination	10	0	0	
Receipt, Offloading and Distribution of Raw Materials	Non or late deliveries of raw materials	Other		90	Non confirmation of orders placed for raw materials. Poor planning regarding raw material distribution. Equipment failure and breakdown.	SO-COBM-CO-001 Loading and Hauling of raw materials	Elimination	10	0	0
						SO-LGRM-000 Road Transport Contractor SHE Induction	Elimination	10	0	0
						SO-LGRM-002 Distribution of raw materials received by road	Elimination	10	0	0
						SO-LGRM-007 Raw material order placement and tracking procedure	Elimination	10	0	0
						SO-LGRM-001 Distribution of raw materials received by rail	Elimination	10	0	0
						SO-LGSH-001 Safe work procedure for loco operator Sheltam	Elimination	10	0	0
						SO-LGSH-002 Safe operating procedure shunting Sheltam	Elimination	10	0	0

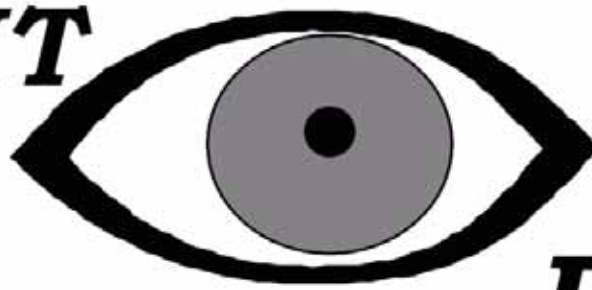
Surface Mobile Equipment	Incidents involving SMEs	Safety	Fatality, Injuries and/or Damage to Property	90	Cost effectiveness of sme's exceeded if operated past it's useful life expectancy as per the OEM standard	FRCP SME PRO-109	Elimination	30	691	0
						OP-51 Materials Handling - Perimeter Road Weighbridge	Elimination	30	691	0
						Replacement strategy on hot and cold sme's in conjunction with the service provider	Elimination	30	691	0
						SO-LGRM-000 Road Transport Contractor's SHE Induction	Elimination	30	691	0
				Non compliance to FRCP SME protocol procedure and plant specific procedures	FRCP SME PRO-109	Elimination	30	691	0	
					OP-51 Materials Handling - Perimeter Road Weighbridge	Elimination	30	691	0	
					Replacement strategy on hot and cold sme's in conjunction with the service provider	Elimination	30	691	0	
					SO-LGRM-000 Road Transport Contractor's SHE Induction	Elimination	30	691	0	
Waste Management	Pollution of ground, water and air	Other		27	Domestic waste generated by the process in offices	OP-134 Paper Recycling	Elimination	3	0	0
						OP-23 Wheelie bin contents	Elimination	3	0	0
						OP-25 Spills Response	Elimination	3	0	0
						Preventative Maintenance Program on SME's	Elimination	3	0	0
						PRO-088 Land, soil and ground water management	Elimination	3	0	0
						PRO-092 Waste Management Procedure	Elimination	3	0	0
						SO-COBM-CO-006 Water Truck	Elimination	3	0	0
						SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0
						SO-LGMM-005 Mobile Screening of all Raw Materials and redistribution to stockpiles.	Elimination	3	0	0
				Oil spillages due to unplanned breakdowns of SME's	OP-134 Paper Recycling	Elimination	3	0	0	

Waste Management	Pollution of ground, water and air	Other		27	Oil spillages due to unplanned breakdowns of SME's	OP-23 Wheelie bin contents	Elimination	3	0	0
						OP-25 Spills Response	Elimination	3	0	0
						Preventative Maintenance Program on SME's	Elimination	3	0	0
						PRO-088 Land, soil and ground water management	Elimination	3	0	0
						PRO-092 Waste Management Procedure	Elimination	3	0	0
						SO-COBM-CO-006 Water Truck	Elimination	3	0	0
						SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0
						SO-LGMM-005 Mobile Screening of all Raw Materials and redistribution to stockpiles.	Elimination	3	0	0
					Rain water containing oil residue running into storm water drains	OP-134 Paper Recycling	Elimination	3	0	0
						OP-23 Wheelie bin contents	Elimination	3	0	0
						OP-25 Spills Response	Elimination	3	0	0
						Preventative Maintenance Program on SME's	Elimination	3	0	0
						PRO-088 Land, soil and ground water management	Elimination	3	0	0
						PRO-092 Waste Management Procedure	Elimination	3	0	0
				SO-COBM-CO-006 Water Truck		Elimination	3	0	0	
				SO-COBM-CO-011 Cleaning of roads with road sweeper		Elimination	3	0	0	
				SME traffic on dirt roads causing dust	SO-LGMM-005 Mobile Screening of all Raw Materials and redistribution to stockpiles.	Elimination	3	0	0	
					OP-134 Paper Recycling	Elimination	3	0	0	
					OP-23 Wheelie bin contents	Elimination	3	0	0	

Waste Management	Pollution of ground, water and air	Other		27	SME traffic on dirt roads causing dust	OP-25 Spills Response	Elimination	3	0	0
						Preventative Maintenance Program on SME's	Elimination	3	0	0
						PRO-088 Land, soil and ground water management	Elimination	3	0	0
						PRO-092 Waste Management Procedure	Elimination	3	0	0
						SO-COBM-CO-006 Water Truck	Elimination	3	0	0
						SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0
						SO-LGMM-005 Mobile Screening of all Raw Materials and redistribution to stockpiles.	Elimination	3	0	0
						Spillages naturally caused by the day to day operations				
				OP-134 Paper Recycling	Elimination	3	0	0		
				OP-23 Wheelie bin contents	Elimination	3	0	0		
				OP-25 Spills Response	Elimination	3	0	0		
				Preventative Maintenance Program on SME's	Elimination	3	0	0		
				PRO-088 Land, soil and ground water management	Elimination	3	0	0		
				PRO-092 Waste Management Procedure	Elimination	3	0	0		
				SO-COBM-CO-006 Water Truck	Elimination	3	0	0		
				SO-COBM-CO-011 Cleaning of roads with road sweeper	Elimination	3	0	0		
SO-LGMM-005 Mobile Screening of all Raw Materials and redistribution to stockpiles.	Elimination	3	0	0						

APPENDIX 9.10.3

EXAMPLES OF SHEQ AWARENESS COMMUNICATION



Live well work well

How dirty are your hands?

Washing your hands may be one of the first things you were taught as a child, but you would be surprised at the number of people who don't wash their hands.



A recent study has found that 10% of people don't wash their hands

after using the toilet; 33% don't use any soap and only 5% wash their hands well enough to get rid of germs that can cause infections.

Makes you think twice about shaking someone's hand again, doesn't it?

Many people don't realise that hand washing is the single most important thing we can do to improve public health. Many illnesses (including influenza, diarrhoea, pneumonia, cholera and chickenpox) are caused by viruses or bacteria being transferred from person to person by direct contact. Therefore, your first line of defence is as simple as washing your hands properly. The better you wash, the more likely you are to remove even tiny particles that, if allowed to get into your mouth, could make you seriously ill.



So what is the right way to wash your hands?

Here are five easy steps, courtesy of the Centres for Disease Control and Prevention:

- Wet your hands with clean, running water and apply soap.
- Rub your hands together to make lather and scrub them well; be sure to scrub the backs of your hands, between your fingers, and under your nails.
- Continue rubbing your hands for at least 20 seconds. Need a timer? Hum the "Happy Birthday" song from beginning to end twice.
- Rinse your hands well under running water.
- Dry your hands using a clean towel or air dry them.

When should you wash your hands?

- Before, during, and after preparing food
- Before eating food
- Before and after caring for someone who is sick
- Before and after treating a cut or wound
- After using the toilet
- After changing diapers or cleaning up a child who has used the toilet
- After blowing your nose, coughing, or sneezing
- After touching an animal or animal waste
- After handling pet food or pet treats
- After touching garbage



SHEQ

Number of:	<u>FM</u>	<u>EFVD</u>
First Aid Cases:	1	0
Medical Treatment Cases:	0	0
Classified Injuries:	0	0
Behaviour Observations:	176	24
Near-misses reported:	146	9
Classified Injury Frequency Rate: (12-monthly)	1.02	0

Org. Learning & Development

Training:	<u>FM</u>	<u>EFVD</u>
Man hours	368	63
Man Days	46	7.9
Total people trained for 11 Nov - 15 Nov 2013	67	36
Total training days per FTE 1 January 2013 to 15 November 2013	6.2	5.1

<u>Intervention</u>	<u>FM</u>	<u>No of Attendees</u>
PTO's		8
Targeted Selection		4
ABET		16
First aid Level 1		7
Method Validation Training		4
HIRA		10
Training and Events and linking qualifications to positions		2
PTO's		16

<u>Intervention</u>	<u>EFVD</u>	<u>No of Attendees</u>
PTO's		21
Targeted Selection		2
ABET		9
HIRA		4




% of number of taps analysed <4% Si

	F3	F4	F5	F6
Actual		71.19	15.91	5.66





Week ending: 17 November 2013

Business Processes





Production: Throughput (average t/day)

	Ferroveld	Pelletising	CRP
Target	137.39	1672.65	48.39
Actual	123.19 	1854.01 	142.77 





Production Furnaces: Throughput (average t/day)

	IC3	F4	F5	F6
Target	160	330	330	329.65
Actual	97.27 	354.93 	226.36 	249.74 

Availability %

	FVD P/Plant	FVD Calciner	PSP	CRP
Target	96	96	90.6	88
Actual	90.1 	84 	95.66 	100 

Availability %

	IC3	F4	F5	F6
Target	95	97.13	97.12	97.12
Actual	88.89 	98 	92.29 	91.16 



South Africa celebrated National Quality Week from 11-15 November 2013 endorsing also World Quality Day on Thursday the 14th. National quality week was celebrated at all Refraline sites and companies.

Quality is paramount to everything that is being done at Refraline. It is in this spirit that the quality campaign for this year was launched with the motto "Perform your work with Excellence".

This past Wednesday saw the implementation of the Refraline group's SHEQ vision that serves as a foundation for future discussions on quality and quality policies with all Refraline employees.

Refraline aims to live the motto - a commitment to deliver quality service to all customers.

Jacques Krog
Group Quality Manager
Refraline Group

What causes high blood pressure?

For most cases of high blood pressure, it's hard to pinpoint any one specific cause. However, there are factors that have been proven to increase your risk for developing high blood pressure. Some of these risk factors are not under your control. But although you can't change them, knowing what they are can help you realize the importance of reducing your risk in other ways.

Risk factors you CAN'T change

- **Family history.** High blood pressure tends to run in families.
- **Age.** In general, the older you get, the greater your chance of having high blood pressure. The most common age for men to first develop high blood pressure is between the ages of 35 and 50—and for women, after menopause.
- **Race—especially African-American descent.** African Americans have a higher risk for developing high blood pressure than any other ethnic group. Not only is high blood pressure more common in this group, but it happens at an earlier age and is often more severe.

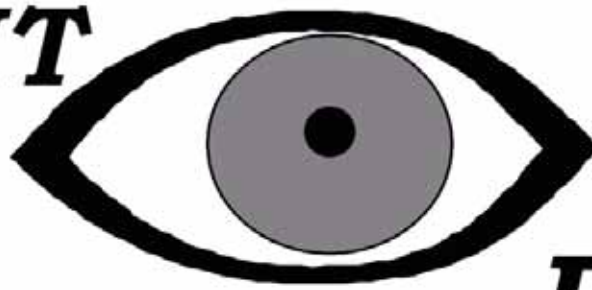
Risk factors you CAN change

- **Inactivity.** People who aren't regularly active have a 20 to 50% increased risk of developing high blood pressure.
- **Overweight and obesity.** Excess weight puts a lot of extra stress on your heart and arteries. It not only raises your blood pressure, but makes you more prone to other diseases as well.
- **Diet.** Many different elements of your diet can affect your blood pressure—including eating too much salt, drinking too much alcohol, and having a poor diet in general.
- **Smoking.** Each time you smoke a cigarette, it causes an immediate and significant rise in your blood pressure. Over time, smoking can severely damage your blood vessels.
- **Stress.** One of the ways your body responds to stress is by raising your blood pressure to handle the situation causing your stress. Unmanaged and ongoing stress can keep your blood pressure high.

High blood pressure is 2 to 3 times more common in women taking birth-control pills, especially in women who are overweight or obese. If you're taking birth-control pills — or are considering doing so — talk with your doctor about the risks and benefits.

Sources: Internet

Compiled, design and layout:
Stella Bornebroek
HR: Communications



26 November 2013

Submitted by Prenisha Chetty



Oil spills

bad news for the environment

Massive oil spills often make headlines because of their destructive impact on wildlife and the environment, but what many people don't realize is that even a small amount of oil – no more than a dime-sized drop – can be harmful to the environment.

Oil spills often result in both immediate and long-term environmental damage. Some of the environmental damage caused by an oil spill can last for decades after the spill occurs.



What can we do at Ferrometals?

- Read and study PRO 092 - Waste Management
- Any oil that is removed from its intended area of use due to maintenance or contamination is defined as used oil. Sites must accumulate this oil in a marked container for removal and re-use. All drums containing used oil shall be sealed and stored within a bunded area. To avoid contamination of other waste and spillages onto the ground used oil storage drums need to be in good condition. i.e. no leaks and lids should be in place. Full drums must be removed from site as soon as possible to avoid related incidents. It is the responsibility of the site supervisor to contact the waste contractor to remove the drums. The waste contractor shall have a facility for draining these containers before returning them to the site. The above mentioned facility will need to comply with the relevant legislation and procedures with regards to hazardous chemical substance storage, transport and handling.

- The used oil leaving the Ferrometals site is still the responsibility of Ferrometals (Cradle to Grave Principle) and therefore the further recycling or reuse of the oil off site, shall comply with legal and ISO14001 requirements. The contractor removing the oil shall provide Ferrometals with a written commitment stipulating how the oil will be further handled once it has left the Ferrometals premises and that it will be managed in a responsible manner that shall not compromise any legal requirements or standards or incur any liability to Ferrometals seen as being the supplier of the oil.



SHEQ

Number of:	<u>FM</u>	<u>EFVD</u>
First Aid Cases:	0	0
Medical Treatment Cases:	0	0
Classified Injuries:	0	0
Behaviour Observations:	234	24
Near-misses reported:	160	18
Classified Injury Frequency Rate: (12-monthly)	1.02	0

Org. Learning & Development

Training:	<u>FM</u>	<u>EFVD</u>
Man hours	492	146
Man Days	61.5	18.25
Total people trained for 18 Nov - 22 Nov 2013	180	17
Total training days per FTE 1 January 2013 to 22 November 2013	6.4	5.3

Intervention	<u>FM</u>	<u>No of Attendees</u>
ABET		14
CANSA awareness		47
Environmental Training		26
First aid Level 1		1
Forklift Novice		2
HIRA		12
PTO's		71
SAP HR Training: OM		5
SAP Time Managers Workshop Training		2

Intervention	<u>EFVD</u>	<u>No of Attendees</u>
ABET		6
CANSA awareness		2
First Aid Level 1		8
HIRA		1




% of number of taps analysed <4% Si

	F3	F4	F5	F6
Actual		100	42.86	15.79





Week ending: 24 November 2013

Business Processes





Production: Throughput (average t/day)

	Ferroveld	Pelletising	CRP
Target	137.39	1672.65	48.39
Actual	141.63 	1646.71 	56.63 





Production Furnaces: Throughput (average t/day)

	IC3	F4	F5	F6
Target	160	330	330	329.65
Actual	77.17 	171.73 	262.74 	230.25 

Availability %

	FVD P/Plant	FVD Calciner	PSP	CRP
Target	96	96	90.6	88
Actual	94.9 	94 	92.92 	96.39 

Availability %

	IC3	F4	F5	F6
Target	95	97.13	97.12	97.12
Actual	47.62 	98.16 	98.95 	99.67 



home affairs

Department:
Home Affairs
REPUBLIC OF SOUTH AFRICA

We Care!



Home Affairs to cancel Duplicate ID Numbers

DEADLINE is 31 December 2013



Does your name appear on the list?

It means you have a Duplicate ID number

Contact Home Affairs NOW: Log on www.dha.gov.za, Contact our Call Centre on 0800 60 11 90, or visit your nearest Home Affairs offices for assistance

Check Your ID number's Duplicate Status TODAY **SMS the letter "D" and your ID No to 32551**

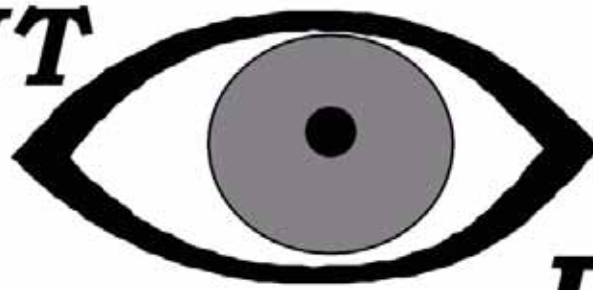
Identity fraud is a very serious concern and it is up to you and me as citizens to ensure that your information is correct and secure. This advertisement was published in the press (so apology for the poor quality of the scanned document) where you can send a sms to verify

that your ID number is not duplicated. We urge you to do so; the response from Home Affairs is fairly prompt. Note that there is a deadline of 31 December 2013, so for your own peace of mind act swiftly!



A big 'thank you' to everybody that contributed to the recent Cup-A-CANSA drive initiated by the Imbali committee! An amount of R4 155-00 was collected which was matched by management and donated to CANSA; trusting that little sweet things brought a smile to your face!

Compiled, design and layout:
Stella Bornebroek
HR: Communications



3 December 2013



The most precious gift



Festive season safety tips

LIFE



Home and travel safety and security during vacations

Many people will be travelling to distant places for fun and relaxation during this vacation. Here are some pointers that will help you to ensure an incident-free vacation:

1. Vacations should be planned well in advance. This planning should include both the vehicle that is going to be used for transportation, and the safety and security of our unattended homes.



2. Ask someone you trust to keep an eye on your house. Arrange for someone visit your house to feed your pets and clean up rather than putting them up in kennels/ cattery. Grass grows very fast during the rainy season; ensure that your lawn is mowed

to prevent the abandoned look. Student family members make good house sitters.

3. Use a timer-switch/ photo-cell to automatically turn house lights on at night, and off during the day. Stop deliveries of newspapers. Lock all doors and windows,



but don't lower shades (as this will give the impression that the house is unoccupied).

4. Modern automatic gas and electric appliances are considered to be safe whilst not being used, but to have peace of mind, leave nothing to chance (Chronic Unease!). Shut off gas- and water supply at the main valves. Isolate electricity supply to all equipment that will not be used during your time away (except refrigerators, freezers, fish-tanks, etc.)
5. Water inlet hoses on washing machines, dish-washers and cisterns have been known to burst due to extended wear and tear, and flood the rooms. This can be very unpleasant if it occurs when there is no-one at home – especially if your home is located above someone else's home! If you cannot shut the water supply off to your home before you leave on vacation, at least turn off the water valves/ taps to these three items.
6. Ensure that vehicle's safety equipment has been inspected – e.g. tyres (including spare), steering system, brakes, alignment,

Week ending: 1 December 2013

SHEQ

Number of:	<u>FM</u>	<u>EFVD</u>
First Aid Cases:	0	0
Medical Treatment Cases:	0	0
Classified Injuries:	0	0
Behaviour Observations:	177	17
Near-misses reported:	148	26
Classified Injury Frequency Rate: (12-monthly)	1.03	0

Org. Learning & Development

Training:	<u>FM</u>	<u>EFVD</u>
Man hours	394	42
Man Days	49.25	5.25
Total people trained for 25 Nov - 29 Nov 2013	113	30
Total training days per FTE 1 January 2013 to 29 November 2013	6.5	5.4

<u>Intervention</u>	<u>FM</u>	<u>No of Attendees</u>
ABET		21
Conflict Management Training		11
HIRA		8
Medicals Reviews		41
PTO's		30
SAP Artisan Training		2
SAP Requisitioner		2

<u>Intervention</u>	<u>EFVD</u>	<u>No of Attendees</u>
ABET		5
PTO's		24
SAP Basics		1

% of number of taps analysed <4% Si

	F3	F4	F5	F6
Actual		2	24.49	17.54

Week ending: 1 December 2013

Business Processes

Production: Throughput (average t/day)

	Ferroveld	Pelletising	CRP
Target	137.39	1672.65	48.39
Actual	141.63 😊	1624.86 😊	14.82 <i>Shutdown</i>

Production Furnaces: Throughput (average t/day)

	IC3	F4	F5	F6
Target		330	330	329.65
Actual		194.03 😡	334.07 😊	353.22 😊

Availability %

	FVD P/Plant	FVD Calciner	PSP	CRP
Target	96	96	90.6	88
Actual	94.9 😊	94 😡	90.23 😊	97.26 😊

Availability %

	IC3	F4	F5	F6
Target	95	97.13	97.12	97.12
Actual	14.29 <i>Switched out</i>	96.45 😊	95.52 😊	98.95 😊

Home and travel safety and security during vacations

(cont.)

hoses and belts, hooter, shock absorbers, windshield washers and -wipers, all lights, all fluid levels. Check all emergency equipment— portable lights, first aid kit and car manual, fire extinguisher, tow-strap or chain, jack and wheel-nut wrench, and any other tools you might need. Ensure that you take the required documents such as driver licenses, vehicle registration, medical aid card, auto insurance details (in case of accident) and a list of emergency phone numbers.

7. **Always wear your seat belt and see that everyone in the car is wearing theirs. Drive defensively; stay within the speed limit at all times and only overtake when it is absolutely safe to do so. Be courteous towards fellow road users – keep your temper and resist the temptation to retaliate.**
8. **Do not drink and drive.**
9. **Maintain at least a two (2) second following distance – this distance should be increased at night, in foggy or rainy conditions and when the road is wet. Take safety breaks every two (2) hours or 200km.**
10. **If the children will be with you, take along games & toys to keep them occupied (to prevent the “are we there yet?” song!)**

Which other tips do you use when leaving your home for extended periods of time..?



The theme for this year World Aids Day celebration is “Getting to zero: Zero new HIV infections. Zero discrimination. Zero AIDS-related deaths.”

According to the National Aids Council, the country has six-million people living with HIV, a third of who are on treatment. In 2012, there were an estimated 370 000 new HIV infections and 240 000 Aids deaths. South Africa has the biggest HIV treatment programme in the world, with about 2.4-million people on treatment.

Testing for HIV is instrumental in attaining the ZERO goals of the United Nations that South Africa has committed to. Through testing, South Africa can move towards ZERO deaths in that people who turn out to be HIV-positive can be linked to treatment, care and support, thus improving their health and preventing early deaths. Testing will also lead to ZERO new infections in that those who test negative will be empowered with knowledge to maintain their the HIV-negative status.

You can test for free at any government Health Clinic or go to your medical practitioner. You also have an opportunity to test during Ferrometals Wellness Days.

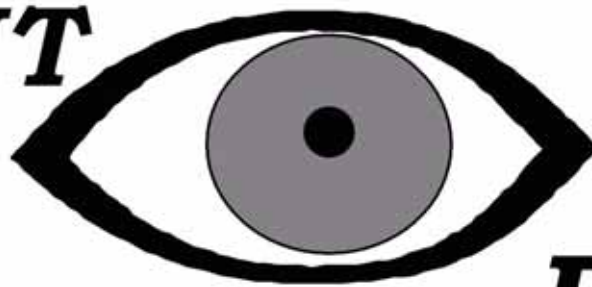
The AIDS Helpline number is 0800 012 322

World Aids Day 2013

Sources: Internet

Compiled, design and layout:
Stella Bornebroek
HR: Communications





10 December 2013

Holiday safety tips: How to protect your children during the busy season



Festive season safety tips

When you're a parent of a small child, life can be filled with little moments of panic. You're in the shopping mall. You've diligently held your child's hand or carried them across the parking lot. You keep them close, always within sight. Then, you pause to check the price on an item in the sale rack. You look down to check on them, and they're gone.

Your rational mind tells you that they can't be far. It was just a few seconds. They merely wandered toward a colourful curiosity. A few moments pass. You spot them, amazed at how far a 4-year-old's legs can carry them in the space of just ten seconds.

In those ten seconds, however, your mind races with horrible thoughts. What if those few seconds turned into minutes, hours or days? Luckily, if your child wanders out of your sight, a well-meaning store employee or security guard will likely keep them safe while they track you down. Nonetheless, in a crowded mall during the holidays, those few moments of vulnerability can be frightening.

Safety experts say it's important your children know exactly what to do if they're separated.

- Teach your children to look for people who can help like security guards and store employees but never a stranger.



- Your child should know to stay close to where they last saw you. Never go looking through the mall for Mom or Dad and never leave the mall.
- Practice and remind your children of what to do often so they won't panic.
- Remind your children that a stranger is anyone they don't know. Kids may conjure up images of "bad people" in their minds, but predators rarely look threatening. If anything, predators find their victims by appealing to them. They may tell your child they know you. They may comfort them or use a logo or character on their shirt to identify with them and gain their trust.

As your children get older, you may feel it's time to give them more freedom, perhaps allowing them to shop on their own (with friends, never alone). With older kids make sure there's a clear time and place to pick them up, making sure your child has a means to communicate with you if they're running late.

As parents we are both protectors and teachers, and safety ultimately depends on what our kids know and the choices they make. We can't always be there.

To all the moms, dads and kids out there, here's wishing you a happy... and safe... holiday.



Holiday and Christmas tree fire safety

Decorating homes and businesses is a long-standing tradition around the holiday season. Unfortunately, these same decorations can be potential fire hazard.

Following a few simple fire safety tips can keep electric lights, candles and the ever popular Christmas tree from creating a tragedy.

- Don't put your live Christmas tree up too early or leave it up for longer than two weeks.
- Place trees away from heat sources, including fireplaces or heat vents. The heat will dry out the tree, causing it to be more easily ignited by heat, flame or sparks.
- Keep the live tree stand filled with water at all times.
- Use only non-flammable decorations.
- Don't link more than three light strands, unless the directions indicate it's safe. Connect strings of lights to an extension cord before plugging the cord into the outlet.
- Avoid using lit candles; consider using battery-operated flameless candles, which can look, smell and feel like real candles
- Ensure that Christmas trees and other holiday decorations don't block an exit way.

**This will be the final
issue of the Insight/Ukubona
for 2013.**

**The festive season is as much a season of
peace and hope as it is one of joy. For some this
time of year is celebrated by giving and receiving
presents and wishing everybody prosperity,
health and happiness for the new year. But we are all
different with different beliefs and we respect that.
Why not consider giving the gift of your time, a
kind word and a warm smile to those
less fortunate?
Have a blessed and safe festive
period!**

Week ending: 8 December 2013

SHEQ

Number of:	FM	EFVD
First Aid Cases:	1	0
Medical Treatment Cases:	0	0
Classified Injuries:	0	0
Behaviour Observations:	197	33
Near-misses reported:	166	11
Classified Injury Frequency Rate: (12-monthly)	1.01	0

Org. Learning & Development

Training:	FM	EFVD
Man hours	55	5
Man Days	6.88	0.63
Total people trained for 2 Dec - 6 Dec 2013	99	3
Total training days per FTE 1 January 2013 to 6 December 2013	6.6	5.5

Intervention	FM	No of Attendees
ABET		11
Annual Induction		21
CO Gas, Rescue Pack Training		1
Crane Re-Test		5
Forklift Re-Test		1
Isolation Training		11
One Pager Training		14
Plant Specific Induction		11
PTO'S		11
Risk Assessment & Permit to work		11
SAP Requisitioner Training		2

Intervention	EFVD	No of Attendees
Annual Induction		2
ABET		1




% of number of taps analysed <4% Si

	F3	F4	F5	F6
Actual			3.33	29.55




Week ending: 8 December 2013

Business Processes





Production: Throughput (average t/day)

	Ferroveld	Pelletising	CRP
Target	137.39	1672.65	48.39
Actual	123.93 	1810.07 	97.54 




Production Furnaces: Throughput (average t/day)

	F4	F5	F6
Target	330	330	329.65
Actual	246.07 	293.58 	263.27 

Availability %

	FVD P/Plant	FVD Calciner	PSP	CRP
Target	96	96	90.6	88
Actual	95.5 	97.2 	96.7 	98.42 

Availability %

	F4	F5	F6
Target	97.13	97.12	97.12
Actual	90.84 	99.06 	94.12 



This was the 10th year (and sadly the last time) that the Witbank News organised and hosted a function for the underprivileged and disabled of eMalahleni. For the majority of these years Ferrometals was the main sponsor. Don't forget the community who 'adopted' children so that each and every child present received a personal gift

addressed to that child. And every year some of the Ferrometals administrators gave up their time to assist in packing sweet packets for the day.

On Saturday, 7 December, there were 700 kids and disabled from all over Witbank. They could participate in a number of activities with lots of music and enough to eat and drink.

Remember to get your copy of this week's Witbank News. They will publish some photo's there as well.

Know the emergency numbers

- Police: **10111**
- Ambulance: **10177**
- Emergency: **112**
- ER24: **084 124**
- Netcare911: **082911**

Where do I report bad driving?

National Traffic Call Centre Number:
0861 400 800

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