



## mineral resources

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA

DMR 10

**Directorate:** Mineral Regulation: North West Region,  
Private Bag A1, Klerksdorp, 2570 Cnr Margaretha Prinsloo & Voortrekker Streets  
Vaal University of Technology Building, Klerksdorp, 2571

**Enquiries:** Mr. Christopher Tshisevhe **Tel:** (018) 487 4300 **Fax:** 086 710 1017/ (018) 487 4394  
**E-Mail:** [chris.tshisevhe@dmr.gov.za](mailto:chris.tshisevhe@dmr.gov.za) **Ref No.:** NW 30/5/1/2/3/2/1/ (308 and 396) EM

### BY HAND

**Attention:** Ms Elzanne Moodie  
**Hernic Ferrochrome (Pty) Ltd**  
P.O. Box 4534  
**BRITS**  
0250

Tel No.: (012) 381 1118  
Cell No.: 082 444 9106  
Fax No.: (012) 381 1111  
E-mail: [Elzanne.Moodie@hernic.co.za](mailto:Elzanne.Moodie@hernic.co.za)

**AMENDED INTEGRATED ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998) AS AMENDED AND NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (ACT 59 OF 2008) AS AMENDED READ TOGETHER WITH THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 FOR THE DECOMMISSIONING OF TWO HISTORIC SLIMES DAMS, DECOMMISSIONING OF PHASE 1 OF THE H:H SLIMES DAM, DEVELOPMENT AND EXPANSION OF THE SITE STORM WATER AND PROCESS WATER MANAGEMENT FACILITIES, DEVELOPMENT AND EXPANSION OF THE PROCESS WATER AND STORM WATER CANAL SYSTEM INCLUDING SILT TRAPS, DEVELOPMENT OF THE MORULA PCD, EXPANSION OF STORM WATER PCD NO.1, DEVELOPMENT OF STORM WATER PCD NO.2, DEVELOPMENT OF STORM WATER PCD NO.3, DEVELOPMENT OF STORM WATER PCD NO.4, EXPANSION OF THE OB PLANT PROCESS WATER DAM, EXPANSION OF THE PLANT PROCESS WATER DAM, EXPANSION OF THE CRP PROCESS WATER DAM, DECOMMISSIONING OF THE MORULA DEWATERING DAM, DEVELOPMENT OF A NEW SALVAGE YARD, EXPANSION OF THE TAP HOLE FUME EXTRACTION SYSTEM, EXPANSION OF THE FINISHED PRODUCT PLANT DUST ABATEMENT SYSTEM, EXPANSION OF THE HERNIC TAILINGS STORAGE FACILITY AND RWD, RE-USE (SCREENING, STOCKPILING, INTERNAL USE AND /OR**

**SELLING) OF FINE SLAG AT THE FINE SLAG PROCESSING PLANT, RE-USE (SCREENING, STOCKPILING, INTERNAL USE AND /OR SELLING), COARSE SLAG AT THE CHROME RECOVERY PLANT, RE-USE (SCREENING, STOCKPILING, INTERNAL USE AND /OR SELLING) OF MINE WASTE ROCK AT THE MINE WASTE ROCK IN RESPECT OF VARIOUS PORTIONS OF THE FARM DE KROON 444 JQ, SITUATED IN THE MAGISTERIAL DISTRICT OF BRITS, NORTH WEST REGION.**

With reference to the above-mentioned application, please be advised that the Department has decided to **issue** a new integrated environmental authorisation in terms of Section 24L of National Environmental Management Act, 1998 (Act No. 107 of 1998) as amended read with regulation 27 (2) (a) of the Environmental Impact Assessment Regulations, 2014. The integrated environmental authorisation and reasons for the decision are attached herewith.

In terms of regulation 4 (2) of the Environmental Impact Assessment Regulations, 2014, you are instructed to notify all registered interested and affected parties, in writing within 14 (Fourteen) calendar days, from the date of the Department's decision in respect of your application and the relevant provisions regarding the lodgement of appeal must be provided for in terms of the National Appeal Regulations of 2014.

Should you wish to appeal any aspect of this decision, you must submit the appeal to the Minister of the Department of Environmental Affairs and a copy of such appeal to the Department of Mineral Resources (North West Regional Office) within 20 days from the date of notification and such appeal must be lodged as prescribed in terms of Chapter 2 of the National Appeal Regulations of 2014, by means of the methods prescribed below:

**Appeal to the Department of Environmental Affairs**

**Attention** : Directorate Appeals and Legal Review  
**Email** : [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za)  
**By post** : Private Bag X 447, **PRETORIA**, 0001  
**By hand** : Environmental House, Corner Steve Biko and Soutpansberg Street, Arcadia, **PRETORIA**, 0083

**Copy of the lodged appeal to the Department of Mineral Resources**

**Attention** : Regional Manager: North West Region  
**By facsimile**: (018) 487 4394  
**E-mail** : [phumudzo.nethwadzi@dmr.gov.za](mailto:phumudzo.nethwadzi@dmr.gov.za)  
**By post** : Private Bag A1, Klerksdorp, 2570  
**By hand** : Vaal University of Technology Building, Cnr Margareth Prinsloo & Voortrekker Street, Klerksdorp, 2570

Should you decide to appeal, you must comply with the National Appeal Regulations of 2014 in relation to notification of all registered interested and affected and a copy of the official appeal form can be obtained from the Department of Environmental Affairs.

Yours Faithfully



.....  
**CHIEF DIRECTOR:**

**MINERAL REGULATION: WESTERN REGIONS**

**DEPARTMENT OF MINERAL RESOURCES**

**DATE:** 24/5/18.....



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Department:  
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Private Bag A1, Klerksdorp, 2570 **Tel:** (018) 487 4300 **Fax:** 086 710 1017/ (018) 487 4394  
Cnr Margaretha Prinsloo & Voortrekker Streets Vaal University of Technology Building, Klerksdorp, 2571

## INTERGRATED ENVIRONMENTAL AUTHORISATION

<b>Reference number:</b>	NW 30/5/1/2/3/2/1 (308 and 396) EM
<b>Last amended:</b>	First issue
<b>Holder of Authorisation:</b>	Hernic Ferrochrome (Pty) Ltd
<b>Location of activity:</b>	Portion 47, Portions of portion 47, Half Share of remaining portion of portion 48, portion 297 of portion 48, portion 49, portion 50, portion 51, portion 52, portion 115, portion 119, portion 120, portion 132, portion 122, portion 123, portion 157, portion 159, portion 160, portion 161, remaining extent of portion 46, remaining extent of portion 47, portion 78, remaining extent of portion 100, portion 104, remaining extent of portion 105, portion 135, portion 138, remaining extent of portion 143, portion 169, portion 170, remaining extent of portion 173, remaining extent of portion 174 of the farm De Kroon 444 JQ situated in the Magisterial District of Brits, North West Region.

## DECISION

### ACRONYMS

<b>NEMA</b>	: National Environmental Management Act, 1998 (Act 107 of 1998) as amended
<b>DEPARTMENT</b>	: Department of Mineral Resources
<b>IEA</b>	: Integrated Environmental Authorisation
<b>EMPr</b>	: Environmental Management Programme
<b>S&amp;EIR</b>	: Scoping and Environmental Impact Report
<b>I&amp;AP</b>	: Interested and Affected Parties
<b>ECO</b>	: Environmental Control Officer

<b>EIA REGULATIONS:</b>	Environmental Impact Assessment Regulations, 2014
<b>MPRDA</b>	: Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), as amended
<b>NEMA: WA</b>	: National Environmental Management: Waste Act, 2008 (Act 59 of 2008), as amended
<b>EIA</b>	: Environmental Impact Assessment
<b>EAP</b>	: Environmental Assessment Practitioner
<b>MHS</b>	: Mine Health and Safety

The Department is satisfied on the basis of information available to it and subject to compliance with the conditions of this amended Integrated Environmental Authorisation, which the applicant should be authorised to undertake NEMA EIA and NEMWA EIA listed activities specified below. Details regarding the basis on which the Department reached this granting decision are set out in Annexure "I" of this integrated environmental authorisation.

### ACTIVITIES APPLIED FOR

By virtue of the powers conferred on it by NEMA and NEMWA, the Department hereby grant an amended IEA submitted by **Hernic Ferrochrome (Pty) Ltd** with the following contact details –

**Attention:** Ms Elzanne Moodie  
**Hernic Ferrochrome (Pty) Ltd**  
P.O. Box 4534  
**BRITS**  
0250

Tel No.: (012) 381 1118  
Cell No.: 082 444 9106  
Fax No.: (012) 381 1111  
E-mail: Elzanne.Moodie@hernic.co.za

**Kindly note the department has decide to consolidate all six (6) approved EMPr as per your application and include them into this Amended IEA. The list of the consolidate EMPr has been provided below:**

- EMPr for the mining right approved on the 29<sup>th</sup> October 1995 with reference number: PWV 6/2/2/549.
- EMPr for the disposal of fine and coarse waste approved on the 08<sup>th</sup> March 2001 with reference number: RDNW (KL) 6/2/2/518.
- EMPr for the addition of fourth Furnace approved on the 01<sup>st</sup> April 2004 with reference number: RDNW (KL) 6/2/2/2515.
- EMPr approved on the 26<sup>th</sup> June 2012 with reference number: NW 30/5/1/2/3/2/1/ (396) EM.
- EMPr for the inclusion of Tailing Storage Facility approved on the 03<sup>rd</sup> November 2015 with reference number: NW 30/5/1/2/3/2/1/ (308) EM.
- EMPr for the inclusion of additional minerals approved on the 25<sup>th</sup> October 2016 with reference number: NW 30/5/1/2/3/2/1/ (308) EM.

Kindly also note that you have been authorised to undertake the following activities listed in the NEMA EIA Regulation and NEM: WA.

**NEMA: Listed Activities:**

**Government Notice No. Regulation 983 of 04 December 2014**

1. The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water—
  - (i) with an internal diameter of 0,36 metres or more; or
  - (ii) with a peak throughput of 120 litres per second or more excluding where;
    - (a) such infrastructure is for the bulk transportation of water or storm water or storm water drainage inside a road reserve or railway line reserve
    - (b) where such development will occur within an urban area [**Listed activity 10**];
  
2. The development and related operation of infrastructure exceeding 1000 metres in length for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes –
  - (i) with an internal diameter of 0,36 metres or more; or
  - (ii) with a peak throughput of 120 litres per second or more excluding where;
    - (a) such infrastructure is for bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes inside a road reserve or
    - (b) where such development will occur within an urban area [**Listed activity 10**];
  
3. The development of;
  - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or
  - (ii) infrastructure or structures with a physical footprint of 100 square metres or more where such development occurs
    - (a) within a watercourse;
    - (b) in front of a development setback or
    - (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse excluding;

- (aa) the development of infrastructure or structures within existing ports or harbour that will not increase the development footprint of the port or harbour;
  - (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;
  - (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;
  - (dd) where such development occurs within an urban area;
  - (ee) where such development occurs within existing roads, road reserves [**Listed activity 12**].
2. The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic metres or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014 [**Listed activity 13**].
3. The decommissioning of any activity requiring;
- (i) a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002); or
  - (ii) a prospecting right, mining right, mining permit, production right or exploration right, where the throughput of the activity has reduced by 90% or more over a period of 5 years excluding where the competent authority has in writing agreed that such reduction in throughput does not constitute closure but excluding the decommissioning of an activity relating to the secondary processing of a;
    - (a) mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource; or
    - (b) petroleum resource, including the refining of gas, beneficiation, oil or petroleum products in which case activity 31 in this Notice applies [**Listed activity 22**].
4. The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for;

- (a) the undertaking of a linear activity; or
  - (b) maintenance purposes undertaken in accordance with a maintenance management plan [**Listed activity 27**].
5. The expansion of existing facilities or infrastructure for any process or activity where such expansion will result in the need for a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the release of emissions, effluent or pollution, excluding;
- (i) where the facility, infrastructure, process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies;
  - (ii) the expansion of existing facilities or infrastructure for the treatment of effluent, wastewater, polluted water or sewage where the capacity will be increased by less than 15 000 cubic metres per day; or
  - (iii) the expansion is directly related to aquaculture facilities or infrastructure where the wastewater discharge capacity will be increased by 50 cubic meters or less per day [**Listed activity 34**].
6. The expansion of infrastructure for the bulk transportation of water or storm water where the existing infrastructure;
- (i) has an internal diameter of 0,36 metres or more; or
  - (ii) has a peak throughput of 120 litres per second or more; and
    - (a) where the facility or infrastructure is expanded by more than 1 000 metres in length; or
    - (b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more excluding where such expansion;
  - (aa) relates to transportation of water or storm water within a road reserve or railway line reserve; or
  - (bb) will occur within an urban area [**Listed activity 45**].



7. The expansion and related operation of infrastructure for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes where the existing infrastructure;
- (i) has an internal diameter of 0,36 metres or more; or
  - (ii) has a peak throughput of 120 litres per second or more; and
    - (a) where the facility or infrastructure is expanded by more than 1 000 metres in length; or
    - (b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more excluding where such expansion;
- (aa) relates to the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes within a road reserve or railway line reserve; or
- (bb) will occur within an urban area [**Listed activity 46**].
8. The expansion of
- (i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or
  - (ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100 square metres or more; where such expansion occurs;
    - (a) within a watercourse;
    - (b) in front of a development setback; or
    - (c) if no development setback exists, within 32 metres of a watercourse, measured
    - (d) from the edge of a watercourse excluding;
- (aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;
- (bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;

- (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;
  - (dd) where such expansion occurs within an urban area; or
  - (ee) where such expansion occurs within existing roads, road reserves or railway line reserves [**Listed activity 48**].
9. The expansion of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, where the combined capacity will be increased by 50 000 cubic metres or more [**Listed activity 50**].

**NEMWA: Listed Activities:**

**Government Notice No. Regulation 921 of 29 November 2013**

**Category A**

1. The expansion of a waste management activity listed in Category A or B of this Schedule which does not trigger an additional waste management activity in terms of this Schedule [**Listed activity 13**].
2. The decommissioning of a facility for a waste management activity listed in in Category A or B of this Schedule;

**Category B**

1. The reuse or recycling of hazardous waste in excess of 1 ton per day, excluding reuse or recycling that takes place as an integral part of an internal manufacturing process within the same premises [**Listed activity 2**].
2. The disposal of any quantity of hazardous waste to land [**Listed activity 7**].

<b>Decommissioning of Historic Slimes Dam 1:</b>
Footprint Area – 2920.25 m <sup>2</sup>
Height - 12 metres
Coordinates of the facility: S 25° 39' 45. 44" E 27° 50' 23. 52"
<b>Decommissioning of Historic Slimes Dam 2:</b>
Footprint Area – 922.84 m <sup>2</sup>
Height - 8 metres
Coordinates of the facility: S 25° 39' 46. 41" E 27° 50' 24. 46"