

**DOORNHOEK FLUORSPAR MINE ON VARIOUS PORTIONS OF FARMS  
DOORNHOEK 305 JP, FARM 306 JP, KNOFLOOKFONTEIN 310 JP,  
STRYDFONTEIN 326 JP, RHENOSTERFONTEIN 304 JP, KWAGGAFONTEIN 297  
JP, PAARDEPLAATS 296 JP, SAAMGEVOEG 320 JP AND WITRAND 325 JP,  
ZEERUST DISTRICT**



an agency of the  
Department of Arts and Culture

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CaseID: 9910

Date: Tuesday February 28, 2017  
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## Interim Comment

**In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)**

Attention: SA Fluorite (Pty) Limited

**The proposed mining operations constitute an opencast fluorspar mine on various portions of farms Doornhoek 305 JP, Farm 306 JP, Knoflookfontein 310 JP, Strydfontein 326 JP, Rhenosterfontein 304 JP, Kwaggafontein 297 JP, Paardeplaats 296 JP, Saamgevoeg 320 JP and Witrand 325 JP, North West Province. The project falls under the jurisdiction of the Ditsobotla and Ramotshere Moiloa Local Municipalities located within the Ngaka Modiri Molema District Municipality (Refer to Figure 2 and Figure 3). The project area is located between Zeerust, Mahikeng and Lichtenburg and borders the eastern section of Mahikeng Local Municipality. The project site is located approximately 220 km west of Johannesburg and 18 km south of the town of Zeerust. The proposed site is adjacent to the Witkop open pit fluorspar mine. The following coordinates serve as the centre point of the site: Latitude: 25°44'11.85"S; Longitude: 26°10'29.75"E The project has the potential to contain a large fluorspar resource which could sustain a mining operation well into the future. The deposit hosts both surface and underground resources sufficient to justify an initial life of mine of 30 years. At full production the resource is proposed to be mined at 1.5 million tonnes per annum as follows (Figure 5): - Resource Area A: Opencast mining up to a depth of approximately 60 m from year 5 to 10. - Resource Area C: Opencast mining up to a depth of approximately 90 m from year 20 to 30. - Resource Area D: Opencast mining up to a depth of approximately 90 m from year 10 to 20 with the possible mining of the areas to the side of the resource taking place from year 20 to 30. Construction of the mining infrastructure and access road(s) will take place during year 1 to 5. The planned infrastructure for the mining operations is as follows: • Overburden stockpiles; • Minerals processing plant and associated infrastructure; • Tailings storage facility; • Haul roads and access road; • Mine offices; • Water supply pipelines; • Electrical reticulation and sub-stations; and • Water Treatment Plant.**

Exigo Sustainability (Pty) Ltd was appointed by SA Fluorite (Pty) Limited and Southern Palace 398 (Pty) Limited to conduct an Environmental Impact Assessment (EIA) process for the proposed construction and operation of Doornhoek Fluorspar Mine and Associated Infrastructure, near Zeerust, North West Province. A draft Scoping Report was completed in support of the Environmental Authorisation Application in terms of the National Environmental Management Act, 1998 (NEMA) 2014 Environmental Impact Assessment (EIA) Regulations, for activities that trigger the Mineral and Petroleum Resources Development Act, 2002 (MPRDA) (as amended). The proposed mine will consist of three open pits totaling 175 ha with the potential to extend the pit size in later mining years, a 7 ha processing plant and associated infrastructure including mine offices and workshops; two overburden stockpiles with combined footprint of 27.58 ha; ore stockpile of 0.103 ha; potable water pipeline of 15 km in length; water treatment plant of 400 m<sup>2</sup>; sewage treatment plant of 1190 m<sup>2</sup>;



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oil, diesel, fuel and explosives storage facilities of 30 m<sup>3</sup>; construction of water services dams; access roads and internal roads of 18 km in length; electricity distribution infrastructure; telecommunications tower; and a tailings storage facility of 150 ha.

Exigo's in-house archaeologist conducted an Archaeological Impact Assessment (AIA) and Dr JF Durand conducted a Palaeontological Impact Assessment (PIA). These reports were discussed as part of the previously issued comment and will not be discussed again.

Upon submission of the EIA and appendices, it became clear that some comments raised by the public were not addressed as part of the AIA, even though the response to the comments noted that they had. Please see page 127, 131, 135 and 136 of the Final EIA. The AIA did not address the possible impact on graves located within the impacted properties.

### Interim Comment

The possible impact by the project on the graves noted by the members of the public as discussed above must be assessed and submitted to SAHRA for comment. SAHRA cannot provide further comment until this has been completed.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

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Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

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John Gribble  
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Meteorites Unit  
South African Heritage Resources Agency

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/367816>  
(DMR, Ref: NW30/5/1/2/3/2/1/10110EM)