

Integrated Water and Waste Management Plan in support of the WULA

Integrated Water Use Licence Application for the Sibanye-Stillwater Rand Uranium/Cooke
Operations

SIB4276



DIGBY WELLS
ENVIRONMENTAL

Appendix F: Public Participation Material

Integrated Water and Waste Management Plan in support of the WULA

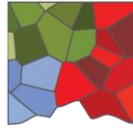
Integrated Water Use Licence Application for the Sibanye-Stillwater Rand Uranium/Cooke
Operations

SIB4276



DIGBY WELLS
ENVIRONMENTAL

Appendix F1: Notification Letter



DIGBY WELLS

ENVIRONMENTAL

Project No: SIB4276

Dear Stakeholder,

INTEGRATED WATER USE LICENCE APPLICATION AND REGULATION 31 EMPR AMENDMENT APPLICATION ASSOCIATED WITH THE EXTENSION OF THE RAND URANIUM/COOKE OPERATIONS OF SIBANYE STILLWATER, RANDFONTEIN

Rand Uranium (Pty) Ltd, a wholly owned legal entity of Sibanye-Stillwater, proposes the reclamation of the Millsite TSF Complex, located adjacent to its current Dump 20 reclamation operations in the Randfontein area, as well as reclamation of a decommissioned railway berm within the project area. In support of the proposed extension of operations, the following authorisation will be applied for:

- A Water Use Licence Application in terms of Section 50 of the National Water Act (Act 36 of 1998)
- An amendment of the existing Environmental Management Plan report (EMPr) in terms of Section 31 of the National Environmental Management Act (Act 107 of 1998) (NEMA) and the 2014 Environmental Impact Assessment (EIA) regulations.

The water uses associated with the reclamation of the Millsite TSF Complex and railway line berm will be applied for, as well as other existing water uses associated with the Rand Uranium/Cooke Operations. This application will be submitted to the Department of Water and Sanitation (DWS). A Regulation 31 Amendment process under the NEMA EIA Regulations, 2014 will also be undertaken to include the new activities to the approved EMP associated with the operations. This application will be submitted to the Department of Mineral Resources (DMR).

Digby Wells Environmental (Digby Wells) has been appointed to undertake a Water Use Licence Application (WULA), as well as develop an EMPr Amendment Application associated with the proposed activities. The letters serves to inform all interested and affected parties of the proposed project and the regulatory process that will need to be adhered to.

The EMPr Amendment, as well as the Water Use Licence Amendment application for the proposed expansion of operations have been finalised and are available for public review and comment from 13 December 2017 to 6 February 2018 and 13 December 2017 to 8 March 2018, respectively on the Digby Wells Website (www.digbywells.com) under Public Documents. You are encouraged to comment on these reports in any of the following ways:

- Completing attached comment sheet
- By writing a letter or submission
- Contacting Digby Wells via email or telephone

Digby Wells and Associates (South Africa) (Pty) Ltd. Co. Reg. No. 2010/008577/07. Turnberry Office Park, 48 Grosvenor Road, Bryanston, 2191. Private Bag X10046, Randburg, 2125, South Africa
Tel: +27 11 789 9495, Fax: +27 11 069 6801, info@digbywells.com, www.digbywells.com

Directors: GE Trusler (C.E.O), GB Beringer, LF Koeslag, J Leaver (Chairman)*, NA Mehlomakulu*, MJ Morifi*, DJ Otto, RA Williams*

*Non-Executive



Included in this letter is a Background Information Document (BID) on the project and a response sheet for any comments or concerns. Stakeholders affected by the project or who are interested in the project are invited to register as an Interested and Affected Party (I&AP) to become involved in the consultation process.

Should you require more information, please do not hesitate to contact Nondumiso Gwala on Nondumiso.gwala@digbywells.com or 011 789 9495

Kind regards

Nondumiso Gwala

Assistant Stakeholder Engagement Consultant

Integrated Water and Waste Management Plan in support of the WULA

Integrated Water Use Licence Application for the Sibanye-Stillwater Rand Uranium/Cooke
Operations

SIB4276



DIGBY WELLS
ENVIRONMENTAL

Appendix F2: Background Information Document

SIBANYE-STILLWATER
BACKGROUND INFORMATION DOCUMENT

COMPANY NAME: Sibanye-Stillwater

DMR REF NO: GP 30/5/1/2/2 (173) MR and 30/5/1/2/2 (07) MR

DWS REF NO: 03/A21D/AFGJ/2382, 08/C23D/CGI/3297 and 16/2/7/C231/C068

Rand Uranium (Pty) Ltd, a wholly owned legal entity of Sibanye-Stillwater, proposes the reclamation of the Millsite TSF Complex, located adjacent to its current Dump 20 reclamation operations in the Randfontein area, as well as reclamation of a decommissioned railway berm within the project area. In support of the proposed extension of operations, the following authorisations will be applied for:

- A Water Use Licence Amendment Application in terms of Section 50 of the National Water Act (Act No. 36 of 1998) (NWA); and
- An amendment of the existing Environmental Management Plan report in terms of Section 31 of the National Environmental Management Act (Act No. 107 of 11998) (NEMA) and the 2014 Environmental Impact Assessment (EIA) Regulations.

The water uses associated with the reclamation of the Millsite TSF Complex and railway line berm will be applied for, as well as other existing water uses associated with the Rand Uranium/Cooke Operations. This application will be submitted to the Department of Water and Sanitation (DWS). A Regulation 31 Amendment process under the NEMA EIA Regulations, 2014 will also be undertaken to include the new activities to the approved EMP associated with the operations. This application will be submitted to the Department of Mineral Resources (DMR).

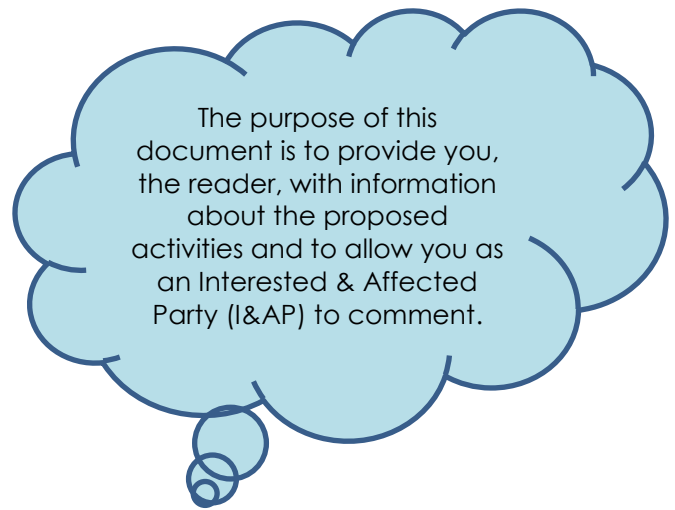
This document serves as a background information document on the project. Further details of the project, and associated WULA, Regulation 31 Amendment Application Process and Public Participation Process (PPP) will be communicated to stakeholders in due course.

1 PROJECT OVERVIEW

- Sibanye-Stillwater holds converted Mining Rights with reference numbers GP 30/5/1/2/2 (173) MR and 30/5/1/2/2 (07) (MR) for the Rand Uranium Surface Operations (RUSO) and Cooke Operations respectively. Together, these make up the Rand Uranium/Cooke Operations.
- Sibanye-Stillwater holds approved Environmental Management Plans (EMPs) in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA) and NEMA for various activities.
- Furthermore, Sibanye-Stillwater has two Water Use Licences (WULs) and a General Authorisation in terms of the National Water Act, 1998 (Act No. 36 of 1998) (NWA) for various water uses associated with the operations.

1.1 WHAT DOES THE OPERATION CONSIST OF?

The operations consist of surface reclamation activities of residual gold from historic sand and slime tailings, namely Dump 20 and Lindum Dump situated in the West Rand District. The surface sources are currently being hydraulically reclaimed and are reprocessed at the Cooke Gold Plant. Sibanye-Stillwater intends to further extend the life of the Rand Uranium/Cooke Operations' activities and prepare for its long-term rehabilitation and closure through the reclamation of the Millsite Tailings Storage Facility (TSF) Complex, located adjacent to its current Dump 20 operation, as well as reclamation of a decommissioned railway berm within the project area. Residue tailings material generated from the hydraulic reclamation activities of the surface dumps is deposited into open pits located between the Cooke Gold Plant and Millsite TSF Complex. The pit deposition activities form part of Sibanye-Stillwater's rehabilitation actions of its operations and is an authorised water use.



1.2 KEY INFRASTRUCTURE ASSOCIATED WITH RAND URANIUM/COOKE OPERATIONS

The key infrastructure associated with the Rand Uranium/Cooke Operations is listed below:

- Cooke Gold Plant
- Cooke TSF
- Dump 20
- Millsite TSF complex
- Lindum Dump
- Associated pipelines (including the Cooke Plant/Toekomsrus crossing, Mid-point crossing and Lindum Dump crossing)
- OPEN PITS:
 - Porges Pit;
 - Millsite Pit;
 - Battery Pits;
 - SRK Pit 2 North;
 - SRK Pit 2 South;
 - SRK Pit 3; and
 - Training Pit.

Sibanye-Stillwater intends to submit a WULA application to the Department of Water and Sanitation (DWS) for identified existing water uses in terms of Section 21 of NWA as well as new water uses associated with the proposed reclamation of the Millsite TSF Complex and railway line berm. As part of the WULA, Sibanye-Stillwater also proposes that its existing IWULs (namely Licence No.: 03/A21D/AFGJ/2382 – Rand Uranium IWUL) together with the new water uses under application, be consolidated as the water uses are interconnected and will be managed as a whole accordingly.

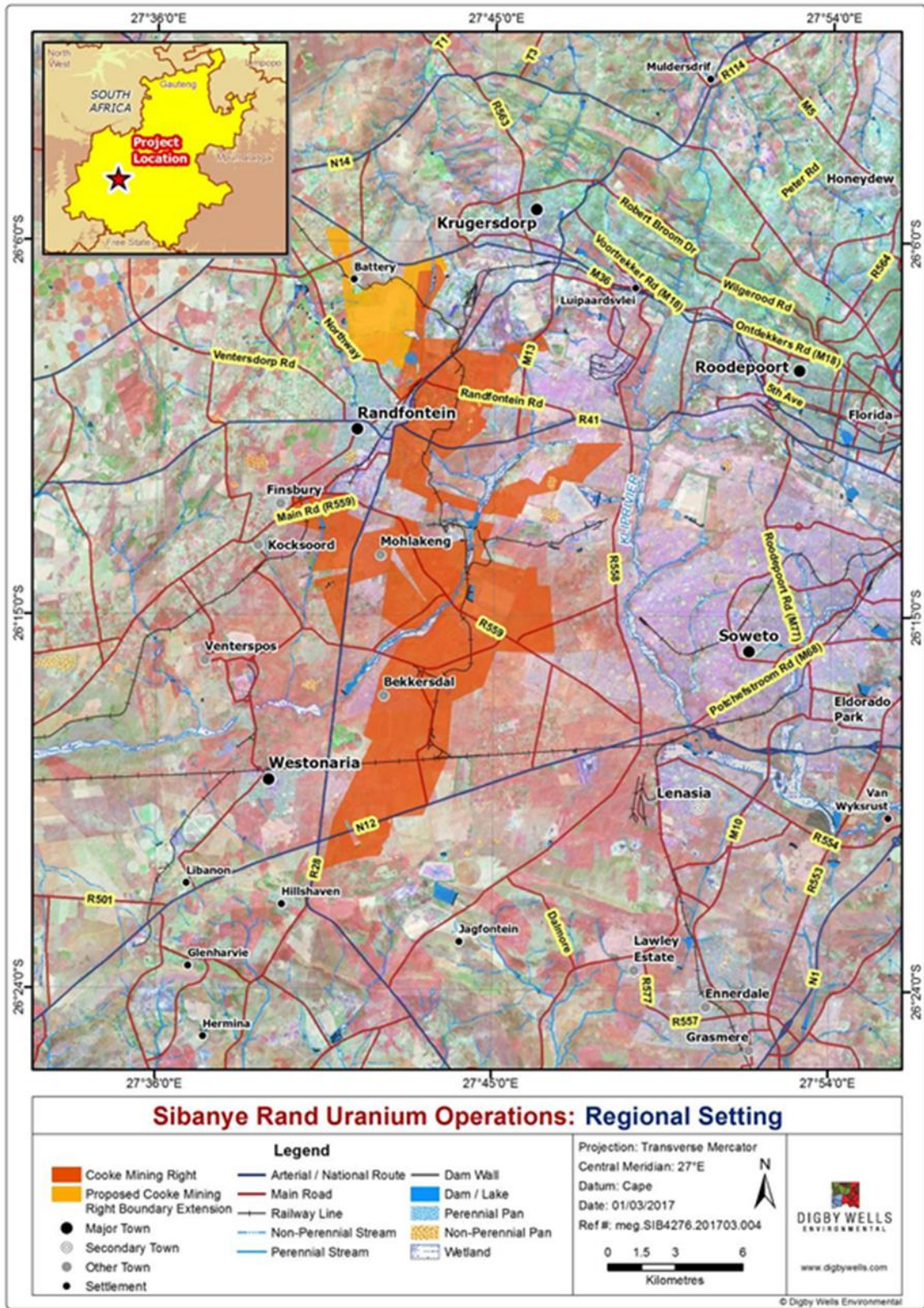
A Regulation 31 Amendment process under NEMA and the EIA Regulations, 2014 of the approved EMP, namely the Clidet No 726 (Proprietary) Limited EMP (Shangoni, 2008), will also need to be undertaken to include the Millsite TSF Complex and railway line berm as a resource to Sibanye-Stillwater's reclamation activities and submitted to the Department of Mineral Resources (DMR). The Rand Uranium/Cooke Operations are shown in Plan 1 (Regional Setting) and Plan 2 (Infrastructure layout) below.

Contact: Nondumiso Gwala

Email: nondumiso.gwala@digbywells.com

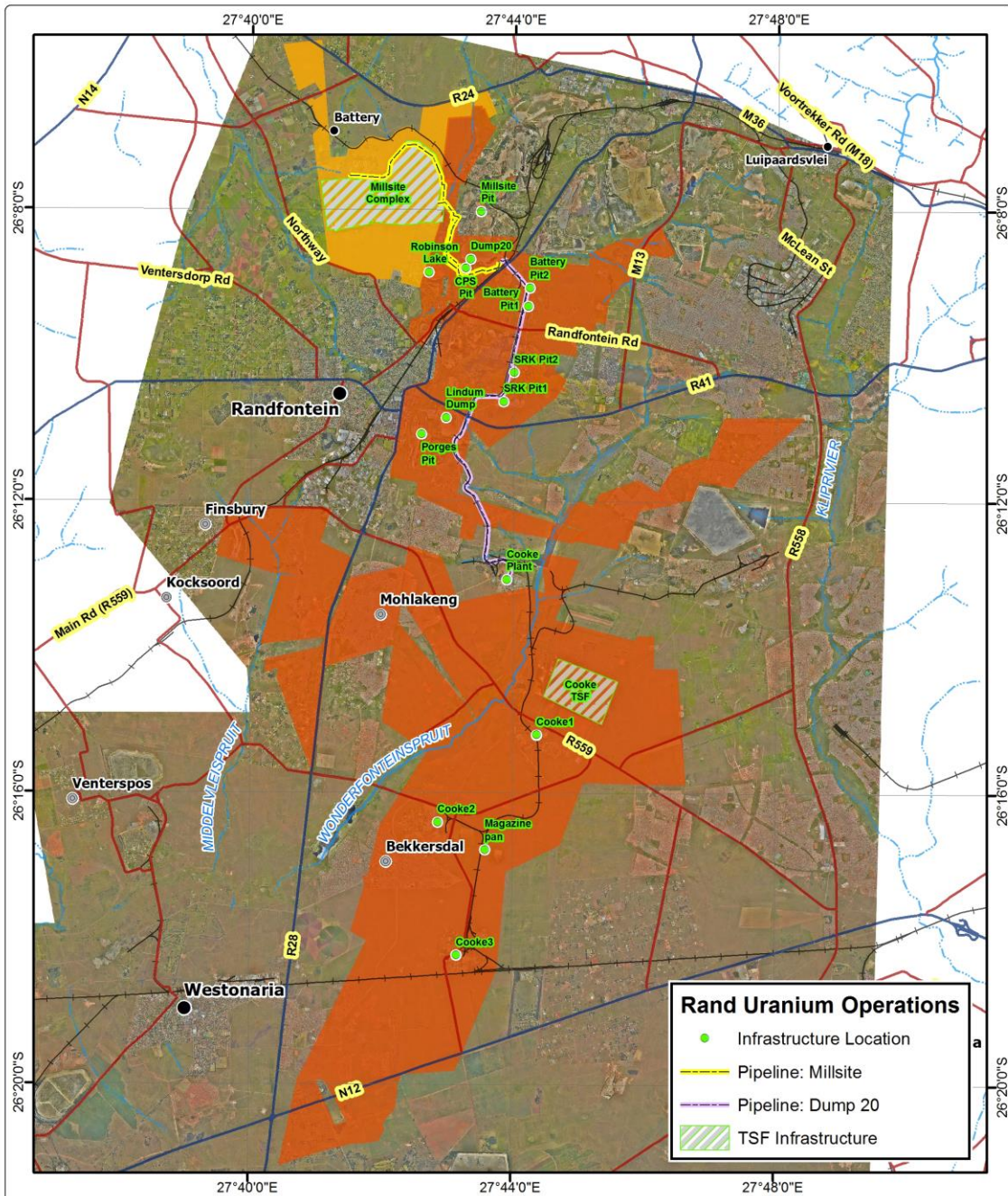
Tel: 011 789 9495 **Post:** Private Bag X10046, Randburg, 2125;




Fax: 011 069 6801



Plan 1: Regional Setting

Contact: Nondumiso Gwala
 Email: nondumiso.gwala@digbywells.com
 Tel: 011 789 9495 Post: Private Bag X10046, Randburg, 2125;
 Fax: 011 069 6801



Sibanye Rand Uranium Operations: Infrastructure		
Legend		
 Cooke Mining Right	 Arterial / National Route	Projection: Transverse Mercator Central Meridian: 27°E Datum: Cape Date: 09/11/2017 Ref #: meg.SIB4276.201702.143
 Proposed Cooke Mining Right Boundary Extension	 Main Road	
 Major Town	 Railway Line	  Kilometres
 Secondary Town	 Non-Perennial Stream	
 Other Town	 Perennial Stream	
 Settlement		
		 www.digbywells.com <small>© Digby Wells Environmental</small>

Plan 2: Layout of the Infrastructure

Contact: Nondumiso Gwala
 Email: nondumiso.gwala@digbywells.com
 Tel: 011 789 9495 Post: Private Bag X10046, Randburg, 2125;
 Fax: 011 069 6801

2 AUTHORISED WATER USES

2.1 EXISTING LAWFUL WATER USES

The existing lawful water uses associated with the Rand Uranium/Cooke Operations are provided below.

2.1.1 RAND URANIUM IWUL (03/A21D/AFGJ/2382)

The Rand Uranium WUL, dated 22/11/2013, includes the following lawful water uses:

- Section 21(a): Taking water from a water resource.
- Section 21 (f): Discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit.
- Section 21(g): Disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource.
- Section 21(j): Removing, discharging or disposing of water found underground for the efficient continuation of an activity or for the safety of people.

2.1.2 COOKE OPERATIONS IWUL (16/2/7/C231/C068)

The Cooke Operations WUL, dated 17/07/2015, includes the following lawful water uses:

- Section 21(c): Impeding or diverting the flow of water in a watercourse – for the Wonderfonteinspruit pipeline crossing.
- Section 21(g): Disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource.
- Section 21(i): Altering the bed, banks, course or characteristics of a watercourse – for the Wonderfonteinspruit pipeline crossing.

2.1.3 GENERAL AUTHORISATION

The General Authorisation, dated 10/01/2013, includes the following pipeline crossings:

- Cooke Plant/Toekomsrus wetland crossing;
- Mid-point crossing wetland crossing; and
- Lindum Dump wetland crossing.

2.2 WATER USES UNDER APPLICATION

A WULA and associated Integrated Water and Waste Management Plan (IWWMP) are required to be submitted to the DWS for the Section 21 defined water uses listed above.

Section 21 Water Use	Description	Related Activity
S 21 (a)	Taking water from a water resource.	Abstraction of water from the Western Basin mine void to use as process water for the operations.
S 21 (c)&(i)	Impeding or diverting the flow of water in a watercourse.	Reclamation of the Millsite TSF within 500 m of tributaries of the Tweelopiespruit and wetlands; and

Section 21 Water Use	Description	Related Activity
		Reclamation of old railway berm crossing a number of water drainage areas/watercourses.
S 21 (g)	Disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource.	Surge ponds located at the Cooke plant ; Waste Rock Stockpile located at Cooke Shaft 2; and Mine water silt trap dam located at Cooke Shaft 1.

3 REGULATION 31 AMENDMENT APPLICATION

Sibanye-Stillwater has an approved Environmental Authorisation and EMP, namely the Clidet No 726 (Proprietary) Limited EMP (Shangoni, 2008), for its current reclamation activities of Dump 20 tailings and Lindum Dump. The inclusion of the Millsite TSF Complex is proposed as an additional resource to the Rand Uranium/Cooke Operations through a Regulation 31 Amendment Process in terms of the NEMA EIA Regulations, 2014. Regulation 31 provides that an environmental authorisation may be amended by following the prescribed process if the amendment will result in a change to the scope of a valid environmental authorisation where such change will result in an increased level or change in the nature of impact which was not previously assessed or included in the initial environmental authorisation, provided that the change does not, on its own, constitute a new listed activity

4 CONSULTATION/PUBLIC PARTICIPATION PROCESS

Stakeholders affected by the project or who are interested in the project are invited to register as an Interested and Affected Party (I&AP) to become involved in the consultation process. The Public Participation Process (PPP) activities that are envisaged to take place are discussed below.

4.1 IWWMP AVAILABILITY

The IWWMP Report will be made available for public comment period of 60 days on the Digby Wells website (www.digbywells.com). All registered I&APs will be notified of its availability from 13 December 2017 to 8 March 2018.

4.2 REGULATION 31 AMENDMENT REPORT

The registered I&APs will be provided the opportunity to review the Regulation 31 Amendment Report for a period of 30 days, to provide comment regarding the application and process. The comment period will be from 13 December 2017 to 8 February 2018.

Registered I&APs and other potential stakeholders will be notified of the Project and invited to review and comment on the Project

Should you require any further details on any of these aspects above or if you would like to register as an I&AP, please do not hesitate to contact us.

Contact: Nondumiso Gwala
Post: Private Bag X10046;
Tel: 011 789 9495;
Fax: 011 069 6801
Email: nondumiso.gwala@digbywells.com

Enclosed:

- *Registration and Comment Form*

To ensure effective consultation, please register as an I&AP by completing the accompanying registration form with your contact details. This will enable us to contact you again for further consultation.

Contact: Nondumiso Gwala
Email: nondumiso.gwala@digbywells.com
Tel: 011 789 9495 **Post:** Private Bag X10046, Randburg, 2125;
Fax: 011 069 6801

Integrated Water and Waste Management Plan in support of the WULA

Integrated Water Use Licence Application for the Sibanye-Stillwater Rand Uranium/Cooke
Operations

SIB4276



DIGBY WELLS
ENVIRONMENTAL

Appendix F3: Newspaper Advertisement

NOTIFICATION OF INTEGRATED WATER USE LICENCE AND ENVIRONMENTAL AUTHORISATION AMENDMENT APPLICATIONS FOR THE RAND URANIUM/COOKE OPERATIONS OF SIBANYE-STILLWATER, SITUATED IN THE WEST RAND DISTRICT, GAUTENG PROVINCE

Rand Uranium (Pty) Ltd, a wholly owned legal entity of Sibanye-Stillwater, proposes the reclamation of the Millsite TSF Complex, located adjacent to its current Dump 20 reclamation operations, as well as reclamation of a decommissioned railway berm within the project area. This will extend the lifespan of the operations as well as remove surface dump material.

Sibanye-Stillwater intends to submit a Water Use Licence Application (WULA) for water uses associated with the expansion of its Rand Uranium/Cooke Operations, in terms of Section 21 of the National Water Act, 1998 (Act No. 36 of 1998) (NWA)

This application seeks to achieve the following:

- Authorise several pre-existing water uses
- Consolidate the two existing water use licences for its Rand Uranium/Cooke Operations.
- Authorise the extension of the operations through the reclamation of Millsite Complex and a decommissioned railway berm

Details of the water uses being applied for are provided in the table below.

Section 21 Water Use	Description	Related Activity
S 21 (a)	Taking water from a water resource.	Abstraction of water from the impacted Western Basin mine void to use as process water for the operations.
S 21 (c) & (i)	Impeding or diverting the flow of water in a watercourse.	Reclamation of the Millsite TSF within 500 m of tributaries of the Tweelopiespruit and wetlands; and Reclamation of old railway berm crossing a number of water drainage areas/watercourses.
S 21 (g)	Disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource.	Surge ponds located at the Cooke plant ; Waste Rock Stockpile located at Cooke Shaft 2; and Mine water silt trap dam located at Cooke Shaft 1.

A WULA and associated Integrated Water and Waste Management Plan (IWWMP) are required to be submitted to the DWS for the Section 21 triggered water uses listed above.

A Regulation 31 Amendment Application under National Environmental Management Act, 1998 (Act No. 107 of 1998)(NEMA) Environmental Impact Assessment (EIA) Regulations, 2014 (GN R982 of 4 December 2014) will also be undertaken to include the reclamation of the Millsite TSF Complex in the approved EMP (Shangoni, 2008) associated with the operations. This application will be submitted to the Department of Mineral Resources.

REGISTRATION AS AN INTERESTED AND AFFECTED PARTY

The Public Participation Process has been initiated to share project information and gather comments about the proposed project from all Interested and Affected Parties (I&APs). Should you wish to be registered as an I&AP, obtain additional information or comment on the proposed development, please contact:

Digby Wells Environmental
Nondumiso Gwala
Tel: 011 789 9495, Fax: 011 069 6801
Email: nondumiso.gwala@digbywells.com or sh@digbywells.com
Postal Address: Private Bag X 10046, Randburg, 2125
Internal Project Number: SIB4276