

APPENDIX G1

DMR PRE-APPLICATION MEETING

	DRAFT MINUTES OF MEETING DMR Pre-application Meeting	Queries: Donavan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemai.co.za
Client:	 water & sanitation Department: Water and Sanitation REPUBLIC OF SOUTH AFRICA  TCTA A new word for water	Project Name: Mokolo and Crocodile River (West) Water Augmentation Project (Phase 2A) (MCWAP-2A): Borrow Pits
Date:	08 May 2018	Time: 09:00 – 11:00
Chairman:	N. Chavalala	Place: DMR Regional Offices, Polokwane

Note: The minutes are not intended as a verbatim transcript of the meeting, but rather a summary of the salient discussions which took place during the meeting.

ATTENDANCE

Refer to the completed Attendance Register contained in Appendix A.

Item	Description	Action	Target Date
1.	Opening and Welcome		
	N. Chavalala welcomed everyone present at the meeting and requested a round of introductions.		
1.1	D. Henning indicated that the objectives of the meeting were as follows: <ul style="list-style-type: none"> To provide an overview of the proposed MCWAP-2A: Borrow Pits to the Department of Mineral Resources (DMR); To determine the way forward in terms of the Environmental Impact Assessment (EIA) process; To determine DMR's requirements; and To provide a platform for project-related discussions. 	-	-
2.	Attendance and Apologies		
2.1	N. Chavalala tendered apologies on behalf of the following DMR officials: A. Kharivhe, T. Kolani and T. Mangaba.	-	-
3.	Confirmation of Agenda		
3.1	A. Nelwamondo requested that Closure Certificates for MCWAP-1 Borrow Pits be added under Item 7.1. The agenda was accepted with the inclusion of the aforementioned amendment.	-	-
4	Project Overview		
<i>Refer to a copy of the presentation attached in Appendix B.</i>			
4.1	<u>MCWAP-2A Overview</u>		
4.1.1	D. Henning presented the following: <ul style="list-style-type: none"> National Development Context – SIP 1; and Project Overview. 	-	-
4.2	<u>Borrow Pits and Associated Infrastructure</u>		

Item	Description	Action	Target Date
4.2.1	D. Henning presented the following: <ul style="list-style-type: none"> MCWAP-2A components - <ul style="list-style-type: none"> Water Transfer Scheme Infrastructure (WTI) – Borrow Pits (BPs). 	-	-
4.3	<u>Discussion</u>		
4.3.1	<p>N. Chavalala enquired about the project team's relationship with the landowners within the project footprint. D. Henning stated that due to the length of the pipeline (including alternative routes) there are approximately 200 landowners affected by the proposed project. He noted that public participation pertaining to the WTI and BPs already commenced in 2016, where Background Information Documents were circulated, public meetings were held and landowner consultation took place. He indicated that another series of meetings were held in 2018, as part of the Scoping phase for the WTI, with Interested and Affected Parties (IAPs) and landowners as part of the formal EIA process. He stated that thorough consultation had been undertaken to date.</p> <p>N. Chavalala asked whether all of the identified BPs will be required to source construction material for the project. A. Nelwamondo stated that at the moment the project is still in the planning phase, and they don't know for certain whether the material excavated from the pipeline trench will be suitable or not, and they may find at some sections the overburden material can be used for pipe bedding or backfilling.</p> <p>N. Chavalala asked about the information provided in terms of the geotechnical investigations, such as the suitability of the material and the possible quantity. A. Nelwamondo stated that it indicated suitability and possible quantities, however the 23 proposed BPs identified do not cover the overall quantities required and that 7 additional BPs still need to be located. D. Henning added that the information packs of the 23 proposed BPs provided during the meeting include a table which shows the footprints and volumes of material required from each BP, as well as the locality maps of the 23 BPs.</p>	-	-
5	EIA Process – Borrow Pits		
5.1	<u>Combined Application</u>	-	-
5.1.1	D. Henning explained that a single Application Form and draft Scoping Report were already compiled for the MCWAP-2A BPs Pits, as it was assumed that a consolidated process and combined Application could be followed, based on initial discussions with DMR Limpopo Regional Office at the end of 2017. He noted that when Nemai Consulting wanted to submit the Application and Scoping Report to DMR, the Department requested that each BP be broken up into 5ha units and that a Basic Assessment (BA) needed to be conducted for each unit, which would ultimately require approximately 40 individual applications. He stated that a single Scoping and EIA process covering all 23 of the BPs would be much simpler. He further stated that in terms of Regulation 11(1) of Government Notice (GN) No. R. 982 of 4 December 2014 (as amended), "if a proponent or proponents intend to undertake one or more than one activity of the same type at different locations within the area of jurisdiction of a competent authority, the	Nemai Consulting & DWS	TBC

Item	Description	Action	Target Date
	<p>competent authority may, on written request, grant permission for the submission of a single application". He stated that it is the intention to request that a single application be submitted to DMR for the MCWAP-2A BPs.</p> <p>N. Chavalala asked about the status of the environment at the proposed sites for the BPs, and whether the biodiversity is similar across the whole area. D. Henning stated that the project footprint is situated within bushveld which is in good condition. He added that the project area is of a rural nature and that the proposed infrastructure is mostly located on privately-owned properties that are primarily used for agricultural practices and game-farming.</p> <p>N. Chavalala stated that in order for permission to be granted, it has to be informed with information on the status of the environment and its sensitivity. D. Henning mentioned that the environment along the proposed pipeline route options is mostly uniform, based on the land uses encountered. He indicated that the provisions in the Environmental Management Programme (EMPr) can thus be consistently applied to all areas. He noted that each of the sites will also be assessed as part of the specialist studies to be conducted and specific mitigation measures for each of the BPs would also be identified. A. Nelwamondo emphasised that if there are any sensitive ecological features at specific BPs and properties, it will be contained in the specialist report and the EMPR will contain the specific mitigation measures for those areas.</p> <p>N. Chavalala requested that a formal enquiry from the applicant be submitted to the Department, containing a motivation for a combined application and Scoping and EIA process under GN No. R. 982 of 4 December 2014 (as amended). D. Henning stated that the letter will contain a description of the BPs, a motivation for the combined application and an indication of the triggered Listed Activities. N. Chavalala stated that the letter must be directed to the DMR Regional Manager and copied to T. Kolani. D. Henning asked how it would take to receive feedback from DMR to the request. N. Chavalala stated that it will be acknowledged within 7 days of receipt and that a response will be provided within approximately 14 days from receipt.</p>		
5.2	<u>Listed Activities & Process</u>		
5.2.1	<p>C. van der Hoven asked whether DWS is exempted from a mining right/permit and whether the Listed Activities which would be applied for should only be for clearance and associated infrastructure, such as access roads. N. Chavalala stated that Organs of State are exempted from applying for a mining right/permit.</p> <p>D. Henning asked whether there is also an exemption in terms of financial provisions. N. Chavalala stated that an enquiry on whether financial provision is required must be included in the formal letter.</p> <p>C. van der Hoven enquired whether a Regulation 2(2) Plan would be required. N. Chavalala confirmed that such a plan would be required for each BP.</p>	Nemai Consulting & DWS	TBC

Item	Description	Action	Target Date
	<p>N. Chavalala stated that the project team must ensure that all possible Listed Activities triggered by the proposed BPs must be included in the application. D. Henning asked whether the triggered Listed Activities identified must be included in the formal letter. N. Chavalala stated that it can be included in the letter, where DMR can provide input.</p> <p>C. van der Hoven asked whether the application for the BPs would have to be submitted through SAMRAD online system by the applicant, or if a hardcopy of the application needed to be submitted to DMR, where the administrative unit would the upload the document to SAMRAD. T. Mulaudzi stated that for DWS all applications must be provided to the Department as a hardcopy, and then the Department will submit the applications online at their offices.</p> <p>C. van der Hoven asked whether a Closure Plan was required as part of the EIA process. N. Chavalala stated that the DMR templates contain applicable sections regarding closure. He also added that when you apply for a Closure Certificate, under Section 43 of the Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA), one of the requirements is for a Closure Plan to be compiled. He indicated that this will be a separate process and will only be required prior to rehabilitation of the BPs.</p>		
5.3	<u>Report Templates</u>		
5.3.1	C. van der Hoven asked whether the DMR Scoping and EIA templates would have to be used. N. Chavalala confirmed that this is the case. He also mentioned that the template must not be altered or changed, but more information can be added within sections in the template.	-	-
5.4	<u>Alternatives</u>		
5.4.1	<p>C. van der Hoven explained that all locations of the proposed BPs were confirmed by geotechnical investigations, and that there are currently no alternatives for BPs. N. Chavalala confirmed that alternatives were not required, as the BPs were based on the availability of the materials.</p> <p>D. Henning stated that the MCWAP-2A WTI has alternative pipeline routes, and depending on the alternative authorised by the Department of Environmental Affairs (DEA), the material would need to be hauled from the proposed BPs or new sites would need to be identified and approved that are nearer to the pipeline.</p>	-	-
5.5	<u>Public Participation</u>		
5.5.1	<p>D. Henning stated that the public participation process conducted for the proposed MCWAP-2A will follow the EIA Regulations of 2014 (as amended). N. Chavalala confirmed that this is required by DMR.</p> <p>D. Henning stated that all public participation conducted to date will be included in the Application Form.</p> <p>D. Henning asked whether DMR distributes copies of the draft reports to commenting authorities or whether this needed to be done by the Environmental Assessment Practitioner. N. Chavalala</p>	-	-

Item	Description	Action	Target Date
	stated that both approached could be followed, however, he recommended the latter.		
5.6	<u>Specialist Studies</u>		
5.6.1	D. Henning indicated that the specialist studies to be conducted for the WTI and BPs include: Aquatic Impact Assessment; Terrestrial Ecological Impact Assessment; Heritage Impact Assessment; Agricultural Impact Assessment; Social Impact Assessment; Socio-Economic Impact Assessment; and a Wildlife Impact Assessment. He explained that previous specialist studies conducted will also be used, such as noise and traffic studies. He also added that if sensitive features were found for a specific BP then the relevant specialist would clearly link their findings to the BP in question. N. Chavalala stated that the specialist studies must assess the full footprint of the proposed BPs, including their associated infrastructure (i.e. access roads)	-	-
5.7	<u>Borrow Pit Footprint</u>		
5.7.1	C. van der Hoven asked whether the entire BP, including the management area (site offices, stockpiles and equipment), would have to be applied for or just the actual mining area. N. Chavalala stated that under normal circumstances when applying for a 5ha BP, reference is only made to a mining area, which includes all associated infrastructure and that would have to be applied for.	-	-
5.8	<u>Outline of EIA Process</u>		
5.8.1	D. Henning explained the steps involved for a Scoping and EIA process, in accordance with the EIA Regulations of 2014 (as amended).	-	-
6	DMR Requirements		
6.1	N. Chavalala requested that a formal written enquiry be submitted to the DMR Regional Offices by the applicant, which contains the motivation for a single consolidated application and Scoping and EIA approach for the proposed BPs. D. Henning also added that spoil material generated during the construction of the WTI may be used to rehabilitate existing BPs and quarries, or be reused to construct roads. N. Chavalala stated that provision must be made for this in the EMPr.	-	-
7	General		
7.1	A. Nelwamondo requested an update on the Closure Certificates for the MCWAP Phase 1 BPs. D. Mudau stated that 4 closure certificates had been provided, and another 4 would be provided in a months' time. She also added that they are awaiting comments from the DWS Limpopo Regional Office. N. Chavalala stated that the challenge is that a Closure Certificate can't be given without consent from DWS. He also added that it would be best to directly follow up with the DWS Limpopo Regional Office. D. Mudau stated that she will supply the farm names of the BPs that still require comments from DWS.	DMR	TBC
8.	Closure and Way Forward		
8.1	D. Henning expressed his gratitude and thanked everyone present	Nemai	15/05/2018

Item	Description	Action	Target Date
	for the meeting. The minutes will be compiled and circulated by Nemai Consulting. The meeting was concluded at approximately 11:30.		

Appendices

Appendix A – Attendance Register

Appendix B – Presentations

Approval of Minutes

Minutes Compiled for: DMR

Approved By:

(N. Chavalala)

Date

Minutes Compiled by: Nemai Consulting



(C. van der Hoven)

17/05/2018

Date

APPENDIX A

ATTENDANCE REGISTER

	ATTENDANCE REGISTER – DMR Pre-application Meeting	Queries:	Donavan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nema.co.za
Clients:	 water & sanitation Department Water and Sanitation REPUBLIC OF SOUTH AFRICA	 TCTA A new word for water	Project Name: Mokolo and Crocodile River (West) Water Augmentation Project (Phase 2A) (MCWAP-2A) Project No.: 10580
Date:	08 May 2018	Time:	09:00 – 10:00
Chairperson:	To be confirmed	Place:	DMR Regional Offices, Polokwane

Representative Name and Surname	Name of Organisation	Designation	Contact Details	Sign	Apologies
Ronald Gillmer	DWS		☎ 012 336 6933 ☎ 082 791 0833 ✉ GillmerR@dws.gov.za		
Azwianewi Nelwamondo	TCTA	Environmental Manager	☎ 012 683 1200 ☎ 082 809 5101 ✉ ANelwamondo@tcta.co.za		
Donavan Henning	Nemai Consulting	EIA Project Leader	☎ 011 781 1730 ☎ 082 891 0604 ✉ donavanh@nema.co.za		
Christian Van Der Hoven	Nemai Consulting	EIA Assistant	☎ 011 781 1730 ✉ ChristianVdH@nema.co.za		
Aaron Kharivhe	DMR		☎ ☎ Aaron.Kharivhe@dmr.gov.za		
Lesiba Tloubatla	DWS		☎ ✉ tloubatla@dws.gov.za		
Thivhulawi Kolani	DMR		☎ ✉ Thivhulawi.Kolani@dmr.gov.za		
Tebogo Mangaba	DMR		☎ ✉ Tebogo.Mangaba@dmr.gov.za		
			☎ ☎		

APPENDIX B

PRESENTATION



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA



Mokolo and Crocodile River (West) Water Augmentation Project (Phase 2A) (MCWAP-2A)

BORROW PITS

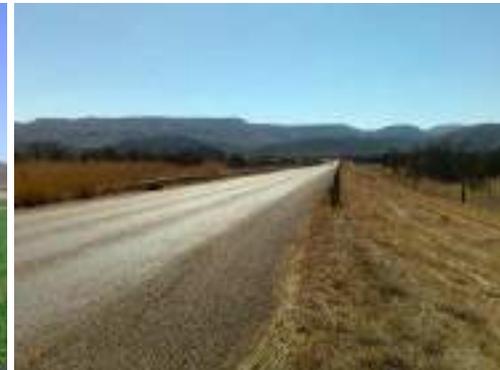
DMR Pre-Application Meeting

08 May 2018

WATER IS LIFE, SANITATION IS DIGNITY



1) OPENING AND WELCOME





2) ATTENDANCE AND APOLOGIES



2.1) PROJECT TEAM

	ROLE IN PROJECT	PROJECT TEAM MEMBERS
DWS	Applicant	➤ R. Gillmer 
TCTA	Implementing Agent	<ul style="list-style-type: none"> ➤ A. Nelwamondo ➤ K. Mabitsela ➤ T. Mashiane ➤ A. Thebe ➤ S. Kelefetswe 
MCC	Technical Team	<ul style="list-style-type: none"> ➤ J. Kroon ➤ J. Pienaar 
Nemai Consulting	EIA Practitioner	<ul style="list-style-type: none"> ➤ N. Naidoo ➤ D. Henning ➤ C. van der Hoven 

3) CONFIRMATION OF AGENDA

AGENDA ITEMS	MEETING OBJECTIVES
<ol style="list-style-type: none"> 1. Opening and Welcome 2. Attendance Register 3. Confirmation of Agenda 4. Project Overview <ol style="list-style-type: none"> 4.1. MCWAP-2A 4.2. Borrow Pits and Associated Infrastructure 5. EIA Process – Borrow Pits <ol style="list-style-type: none"> 5.1. Combined Application (Regulation 11 of GN No. R. 982) 5.2. Listed Activities & Process 5.3. Report Templates 5.4. Alternatives 5.5. Public Participation 5.6. Specialist Studies 5.7. Closure Plan 5.8. Borrow Pit Footprint 5.9. Timeframes 6. DMR Requirements 7. Discussion 8. Closure and Way Forward 	<ul style="list-style-type: none"> ⇒ To Provide an Overview of the Proposed MCWAP-2A: Borrow Pits; ⇒ To Determine a Way Forward with the EIA Process; ⇒ To Determine DMRs Requirements; and ⇒ To Provide a Platform for Project-Related Discussions.

SIP 1: Unlocking the Northern Mineral Belt with Waterberg as the Catalyst

Unlocking SA's northern mineral belt in one of the poorest provinces (Limpopo) through key infrastructure provision in the Waterberg and Steelpoort districts, initiating new energy and industrial development, shifting coal from road to rail in Mpumalanga and increasing rail capacity to Richards Bay whilst supporting regional integration

Proposal

Investment in rail, **water pipelines**, energy generation and transmission infrastructure will catalyse unlocking of rich mineral resources in Limpopo resulting in up to 98 000 direct jobs across the areas covered. Urban development in the Waterberg will be the first major post apartheid new urban centre and will be a "green" development project.

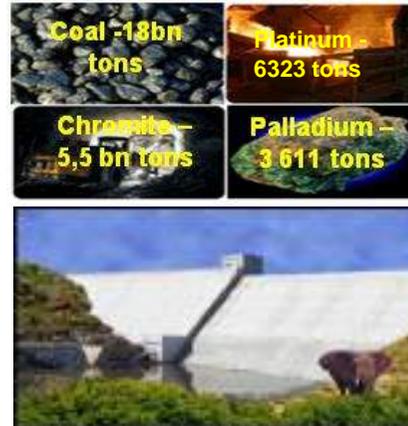
Mining includes coal, platinum and other minerals for local use and export, hence the rail capacity is being extended to Mpumalanga power stations and for export principally via Richards Bay and in future Maputo (via Swaziland link).

The additional rail capacity will shift coal from road to rail in Mpumalanga with positive environmental and social benefits. Supportive logistics corridors will help to strengthen Mpumalanga's economic development.

Project location



Primary Mineral Reserves



Components

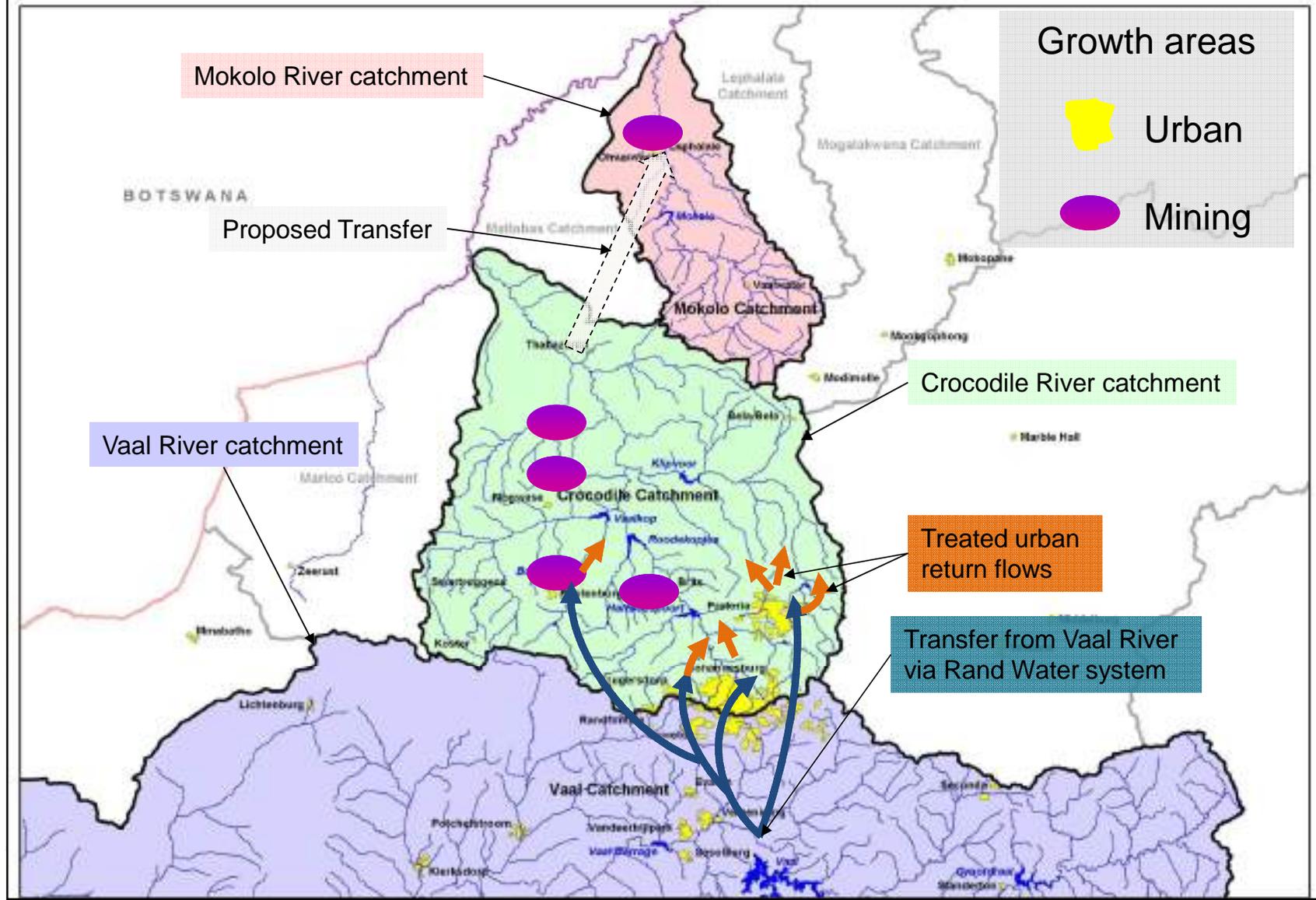
- **Rail and road:**
 - Waterberg - 600km rail (increase capacity to 112Mtpa)
 - Mpumalanga - 140km rail (increase capacity to 32Mtpa)
 - Swazi link – 163km (increase capacity from 16Mtpa to 33Mtpa)
 - Export link – upgrade Ermelo to Richards Bay
 - Rolling stock :14000 wagons, 1000 locomotives
 - Road: national, provincial and municipal roads
 - Moloto corridor centered around deeper economic linkages with Gauteng
- **Water:**
 - **Mokolo Phase 2 - 170km water pipeline providing potentially 150Mm³ per annum**
 - De Hoop Dam (80Mm³ per annum) and distribution system (260km pipeline),
- **Electricity:**
 - New Coal fired power station (Coal 3) 4800MW, and transmission lines
- **Urban development, including human settlement, energy, roads, etc.:**
 - Housing, community centers, public transport, green urban development and roads
- **Port:**
 - Richards Bay capacity from 14,2Mtpa to 23.7Mtpa
- **Industrial Development:**
 - 80 000 barrels/day Coal-to-liquid plant (Mafutha)
 - Coal Mines : 3 mines 5-10 Mtpa per mine

INCREASED NEED FOR WATER IN THE LEPHALALE AREA

Waterberg Coal Fields



Context of the Crocodile West System



MCWAP DESCRIPTION

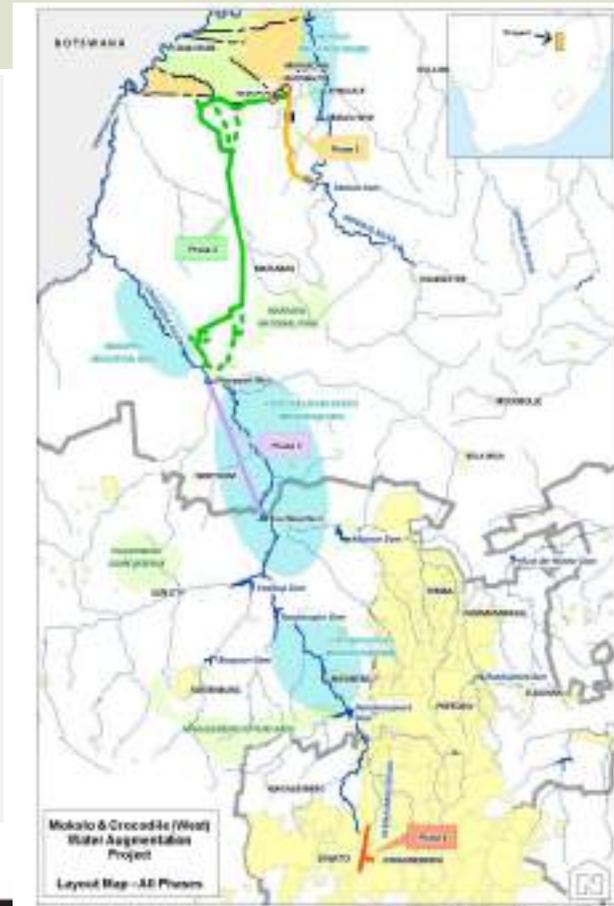
Objective: Water augmentation project to supply demands in the Waterberg Coal Fields (Eskom, IPP's & coal mining), utilising available yield of the existing Mokolo Dam and surplus return flows from Gauteng being discharged in the Crocodile River (West) Catchment.

MCWAP 1 : PIPELINE & PUMPING STATION FROM MOKOLO DAM TO LEPHALALE AREA (44 KM)

MCWAP 2 : ABSTRACTION WORKS AND PUMPING STATION IN CROCODILE RIVER (WEST) NEAR THABAZIMBI & PIPELINE TO STEENBOKPAN AND LEPHALALE (157 KM), INCLUDING RIVER MANAGEMENT SYSTEM.

MCWAP 3: 83 KM PIPELINE – *ONLY IF RIVER CONVEYANCE LOSSES ARE EXCESSIVE.*

MCWAP 4: TRANSFER SCHEME FROM JOHANNESBURG KLIP RIVER WASTEWATER TREATMENT WORKS TO HEAD WATERS OF CROCODILE RIVER – *ONLY IF SURPLUS IN CROCODILE RIVER WEST IS INSUFFICIENT.*



BORROW PITS

- ❖ Require 30 Borrow Pits at 5km spacing
- ❖ *Location of 7-8 additional Borrow Pits to be confirmed – additional geotechnical investigations*
- ❖ Require Environmental Authorisation
- ❖ Associated infrastructure – access roads
- ❖ Rehabilitation specifications



5) EIA PROCESS – MCWAP-2A: BORROW PITS



5.1) COMBINED APPLICATION

Regulation 11 of GN No. R. 982 (as amended):

11. (1) If a proponent or proponents intend to undertake one or more than one activity of the same type at different locations within the area of jurisdiction of a competent authority, the competent authority may, on written request, grant permission for the submission of a single application.

(2) If the competent authority grants permission in terms of subregulation (1), the application must be dealt with as a consolidated assessment process, but the potential environmental impacts of each activity must be considered in terms of the location where the activity is to be undertaken.

(3) If a proponent or applicant intends undertaking more than one activity as part of the same development within the area of jurisdiction of a competent authority, a single application must be submitted for such development and the assessment of impacts, including cumulative impacts, where applicable, and consideration of the application, undertaken in terms of these Regulations, will include an assessment of all such activities forming part of the development.

(4) If one or more proponents intend undertaking interrelated activities at the same or different locations within the area of jurisdiction of a competent authority, the competent authority may, in writing, agree that the proponent or proponents submit a single application in respect of all of those activities and to conduct a consolidated assessment process but the potential environmental impacts of each activity, including its cumulative impacts, must be considered in terms of the location where the activity is to be undertaken.

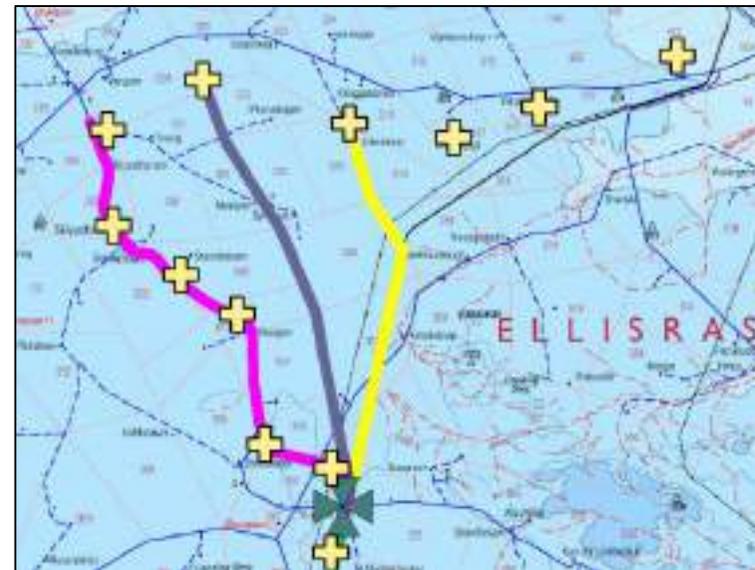
5.2) LISTED ACTIVITIES & PROCESS

- ❖ Application Form for Environmental Authorisation
- ❖ Listed Activities:
 - Mining Permit/Right Exemption
 - Application to include clearance and access roads activities only?
- ❖ Scoping and EIA Application:
 - Scoping and EIR – combined application
- ❖ BA Application:
 - Application for each Borrow Pit (Split into 5 Ha units)
- ❖ Regulation 2(2) Plan
- ❖ Submission:
 - ❖ SAMRAD Online System
 - ❖ Hardcopy and CD
- ❖ Closure Plan



5.4) ALTERNATIVES

- ❖ Location – Confirmation via Geotechnical Investigation (test pits)
- ❖ Alternative pipeline routes of WTI



5.5) PUBLIC PARTICIPATION

MCWAP-2A: Project Notification

- ❖ On site notices, email, sms, fax and post
- ❖ Public Meetings (2016, 2018)

Approach:

- ❖ Notification:
 - On-site notices
 - Newspapers
 - Directly affected landowners - email, SMS, fax or post
- ❖ General Public Meetings
- ❖ 30-day review period
- ❖ Copies to authorities, interest groups and libraries



5.6) SPECIALIST STUDIES

- ❖ Aquatic Impact Assessment;
- ❖ Terrestrial Ecological Impact Assessment;
- ❖ Heritage Impact Assessment;
- ❖ Agricultural Impact Assessment;
- ❖ Social Impact Assessment;
- ❖ Socio-Economic Impact Assessment;
- ❖ Wildlife Impact Assessment;
- ❖ Consideration of specialist studies conducted for previous Environmental Impact Assessment

5.7) BORROW PIT FOOTPRINT

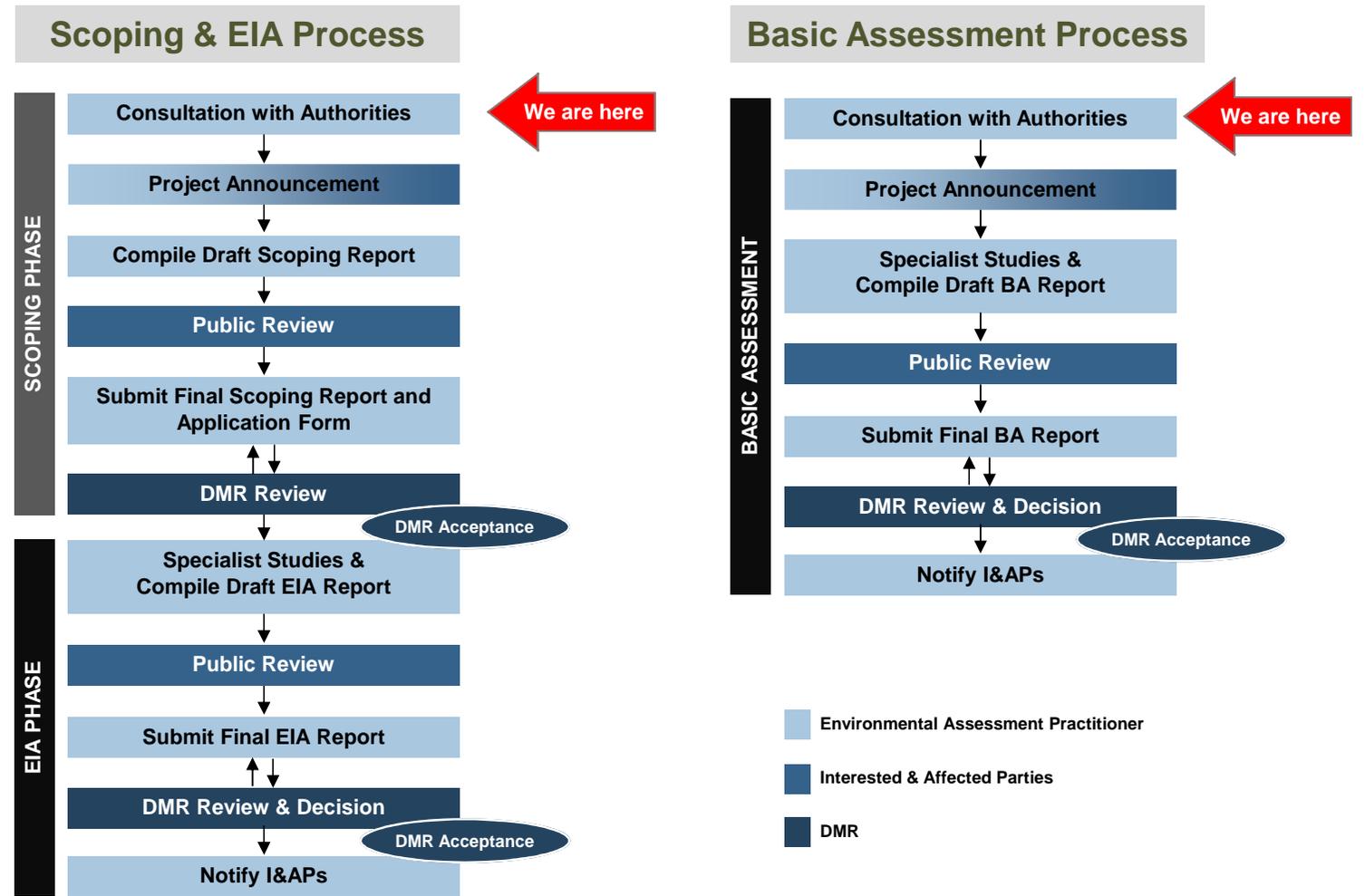
❖ Management area:

Allowance of 10% of Borrow Pit area for topsoil stockpile and 1ha for working space



Borrow Pit		
Name	Borrow pit Area (ha)	Management Area (ha)
BP25	14.8	17.3
BP30	7.2	8.9
BP35	4.3	5.7
BP28	4.6	6.1
BP33	7.6	9.4
BP41	5.3	6.8
BP38	7.0	8.7
BP39	4.5	6.0
BP42	3.3	4.6
BP44	5.1	6.6
BP43	4.3	5.7
BP53	2.3	3.5
BP52	7.2	8.9
BP50	4.4	5.8
BP48	10.7	12.8
BP49	5.2	6.7
BP15	3.3	4.6
BP46	2.5	3.8
BP59	3.0	4.3
BP13	7.7	9.5
BP14	12.6	14.9
BP51	3.8	5.2
BP SS1	0.3	1.3

5.8) OUTLINE OF EIA PROCESS



6) DMR REQUIREMENTS



7) GENERAL





water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA



Thank you



WATER IS LIFE, SANITATION IS DIGNITY