

**Basic Assessment and Water Use License application for the proposed upgrade of the existing Bushkoppie WWTW in the Gauteng Province. (GDARD Ref: Gaut 002/19-20/E0028)**

**GDARD PRE-APPLICATION MEETING - MINUTES**

<b>CLIENT</b>	: Johannesburg Water SOC Limited
<b>CONSULTANT</b>	: Zitholele Consulting (Pty) Ltd
<b>PROJECT NO.</b>	: 19043
<b>DATE</b>	: 29 May 2019
<b>TIME</b>	: 10:00 to 11:00
<b>VENUE</b>	: Bushkoppie WWTW, Stockwell Ave, Soweto, Gauteng Province
<b>REFERENCE</b>	: 19043-11-Min-001

**PRESENT**

Khensane Tsebe (JW)	KT	Teboho Leku (GDARD)	TL
Roneil Vilcen (JW)	RV	Ayanda Khulu (GDARD)	AK
Mathys Vosloo (Zitholele Consulting)	MV	Aluwani Nemutudi (GDARD)	AN
Sugen Pillay (Zitholele Consulting)	SP	Khathutshelo Nefale (GDARD)	KN
Jan Swart (Zitholele Consulting)	JS		
Neil Govender (Zitholele Consulting)	NG		




**APOLOGIES**

None

ITEM	DISCUSSION POINTS	ACTION, DATE
<b>1</b>	<b>AGENDA</b>	
	<ul style="list-style-type: none"> <li>- Welcome and Attendance</li> <li>- Objective of the meeting</li> <li>- Introduction</li> <li>- Description of proposed works</li> <li>- Infrastructure layout</li> <li>- Refurbishment activities</li> <li>- Need and Justification</li> <li>- Listed Activities</li> <li>- Specialist Studies</li> <li>- Process undertaken to date</li> <li>Conclusion and Way Forward</li> </ul>	
<b>2</b>	<b>WELCOME AND ATTENDANCE</b>	
2.1	All attendees introduced themselves and filled in the attendance register.	MV
2.2	Refer to Appendix A for a copy of the attendance register	

<b>3</b>	<b>MEETING OBJECTIVES</b>	
3.1	MV briefly explained the purpose and objectives of the meeting for the benefit of the GDARD officials.	
<b>4</b>	<b>ACCEPTANCE OF AGENDA</b>	
4.1	The agenda was accepted. It was agreed that additional items for discussion would be included under "General".	
4.2	Refer to Appendix B for a copy of the agenda.	
<b>5</b>	<b>PRESENTATION</b>	
5.1	<b>MV</b> introduced the client (JW) and began with the presentation. <b>MV</b> gave an overview of the project and the site description and explained what the project will entail construction of two new PSTs. <b>SP</b> took over the presentation of the infrastructure layout (see slide 7). <b>MV</b> continued with the presentation of the proposed project. He highlighted the listed activities that may be applicable to the proposed project (see slide 10, 11 and 12).	
5.2	Refer to Appendix C for a copy of the presentation slides and hand-outs.	
<b>6</b>	<b>MATTERS ARISING</b>	
6.1	<b>TL</b> advised that if the construction will be within the plant there is a likelihood that JW can circumvent Listing Notice 3 activity 12 on the premise of which option the engineers goes with. He advised to also investigate listed activities 34 and 57 for the license and the volume of the PSTs. <b>SP</b> explained that the construction of the new PSTs will not increase the capacity of the inflow received, it will assist in removing the grid and sand. <b>RV</b> clarified that the PSTs will optimize the separation of the sludge from the sewage, then the sludge will go to digestion. Therefore, JW is not increasing the capacity of the plant but optimizing the plant to handle the COD load	
6.2	<b>TL</b> asked whether the plant will be able to handle more inflow in the future. <b>RV</b> explained that this project is to improve the quality effluent of the plant, not to increase the hydraulic flow. <b>JS</b> explained that existing 5 PSTs are taking a lot of strain and the new 2 PSTs will assist in reducing the strain on the existing PSTs. <b>RV</b> explained that the new PSTs will improve the capacity of primary settling of sludge in the plant.	
6.3	<b>MV</b> highlighted that Listing Notice 1, Activity 57 may not be applicable since there will JW is does not intend to increase the capacity of the inflow. <b>TL</b> confirmed that activity 57 is not applicable. He advised that a letter should be sent to DWS highlighting that the proposed construction might not require an amendment of the WULA.	
6.4	<b>MV</b> will confirm with DWS and the Waste Department of GDARD on activities that might be triggered. <b>TL</b> advised that JW can continue with the application of EA for activity 57 to avoid having to apply again in the future	
6.5	<b>MV</b> highlight the specialist studies (see slide 13) and asked whether there are any other specialist studies required by GDARD. <b>TL</b> advised that at this point there is no need for any specialist studies till it is confirmed that there will be activities trigger by this proposed project.	

<b>7</b>	<b>GENERAL</b>	
7.1	MV closed the meeting the team proceeded to the site inspection	
<b>8</b>	<b>CLOSURE</b>	
8.1	With no further comments, the meeting closed at 10:37am.	

ACTION	FUNCTION	NAME	DATE	SIGNATURE
Prepared	EAP	Jessica Morwasehla	13/06/2019	
Reviewed	Senior EAP	Mathys Vosloo	13/036/2019	
Approved	Senior EAP	Mathys Vosloo		

## **Appendix A – Attendance Register**

**Zitholele Consulting**

Reg. No2000/000392/07

PO Box 6002 Halfway House 1685, South Africa  
 Building 1, Maxwell Office Park, Magwa Crescent West  
 c/o Allandale Road & Maxwell Drive, Waterfall City, Midrand  
 Tel + 27 11 207 2060  
 Fax + 27 11 86 674 6121  
 E-mail : mail@zitholele.co.za



**Basic Assessment and Water Use License application for the proposed expansion of the existing  
 Bushkoppies WWTW in the Gauteng province.**



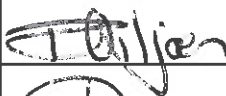

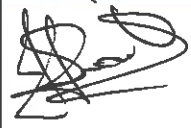

**GDARD PRE-APPLICATION SITE INSPECTION**

**Wednesday, 29 May 2019, 10H00**

**Bushkoppie WWTW, Stockwell Ave, Soweto, Gauteng Province**

**ATTENDANCE REGISTER**

TITLE	FIRST NAME	SURNAME	SIGNATURE	ORGANISATION	CONTACT DETAILS	
Ms	Khensane	Tsebe		Jw	Tel No:	
					Fax No:	
					Cell No:	082 417 5504
					e-mail:	
Mr	Teboho	Leku		GOARD	Tel No:	011 240 - 3421
					Fax No:	
					Cell No:	
					e-mail:	Tebo.Leku@gauteng.gov.za
Ms	AYANDA	Khulu		GDARD.	Tel No:	011 740 - 3403
					Fax No:	
					Cell No:	
					e-mail:	ayanda.khulu@gauteng.gov.za

TITLE	FIRST NAME	SURNAME	SIGNATURE	ORGANISATION	CONTACT DETAILS	
MS	Atuwani	Nemutudi		GDARD	Tel No:	011 240 3065
					Fax No:	
					Cell No:	
					e-mail:	atuwani.nemutudi@gauteng.gov.za
MR	Khatsholelo	Nefale		GDARD	Tel No:	011 240 3413
					Fax No:	
					Cell No:	Goethey.Nefale@gauteng.gov.za
					e-mail:	
Mrs	Ronell	Viljoen		J.W	Tel No:	
					Fax No:	
					Cell No:	
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MR.	SUGEN	DILLAY		ZITHOLELE	Tel No:	011 207 2060
					Fax No:	
					Cell No:	084 555 8909
					e-mail:	SUGENP@GMAIL.COM.
MR	JAN	SWART		ZITHOLELE	Tel No:	011 207 2060
					Fax No:	
					Cell No:	083 647 6022
					e-mail:	jans@zitholele.co.za
Mr	NEIL	GOVENDER		ZC	Tel No:	-
					Fax No:	-
					Cell No:	0825874200
					e-mail:	neilg@zitholele.co.za
					Tel No:	
					Fax No:	
					Cell No:	
					e-mail:	

## **Appendix B – Meeting Agenda**

**Basic Assessment and Water Use License application for the proposed expansion of the existing Bushkoppie WWTW in the Gauteng Province.**

**PRE-APPLICATION MEETING - AGENDA**

<b>CLIENT</b>	: Johannesburg Water SOC Limited
<b>CONSULTANT</b>	: Mathys Vosloo
<b>PROJECT</b>	: Bushkoppie BA and WULA
<b>CONTRACT NO.</b>	: 011 207 2060
<b>PROJECT NO.</b>	: 19043
<b>DATE</b>	: 29 May 2019
<b>TIME</b>	: 10:00 – 11:00
<b>VENUE</b>	: Bushkoppie WWTW, Stockwell Ave, Soweto, Gauteng Province
<b>REFERENCE</b>	: 19043-11-Agn

1. Introduction
2. Site Description
3. Description of proposed works
4. Infrastructure layout
5. Refurbishment activities
6. Need and Justification
7. Listed Activities
8. Specialist Studies
9. Process undertaken to date



## **Appendix C - Presentation Slides and Hand-outs**

# **Basic Assessment and Water Use License application for the proposed expansion of the existing Bushkoppie WWTW in the Gauteng Province.**

**Pre-Application Meeting & Site visit**

Dr Mathys Vosloo  
29 May 2019  
19043

# Presentation Structure

1. Introduction
2. Site Description
3. Description of proposed works
4. Infrastructure layout
5. Refurbishment activities
6. Need and Justification
7. Listed Activities
8. Specialist Studies
9. Process undertaken to date

# 1. Introduction

**Applicant:** Johannesburg Water SOC Limited

**Site:** The Bushkoppie WwTW is located in Johannesburg, Southeast of Eldorado Park on the site bound by the Golden Highway (R553) to the West, the N12 to the North and the N1 to the East.

**Access:** Access to the site is gained via Stockwell Avenue, which leads off the Golden Highway (R553).

**Extent:** Approx. 1ha (new infrastructure)

## 2. Site Description

- The site is situated on the Farm Misgund 322 IQ in the south of Johannesburg, Gauteng Province.



## 2. Site Description

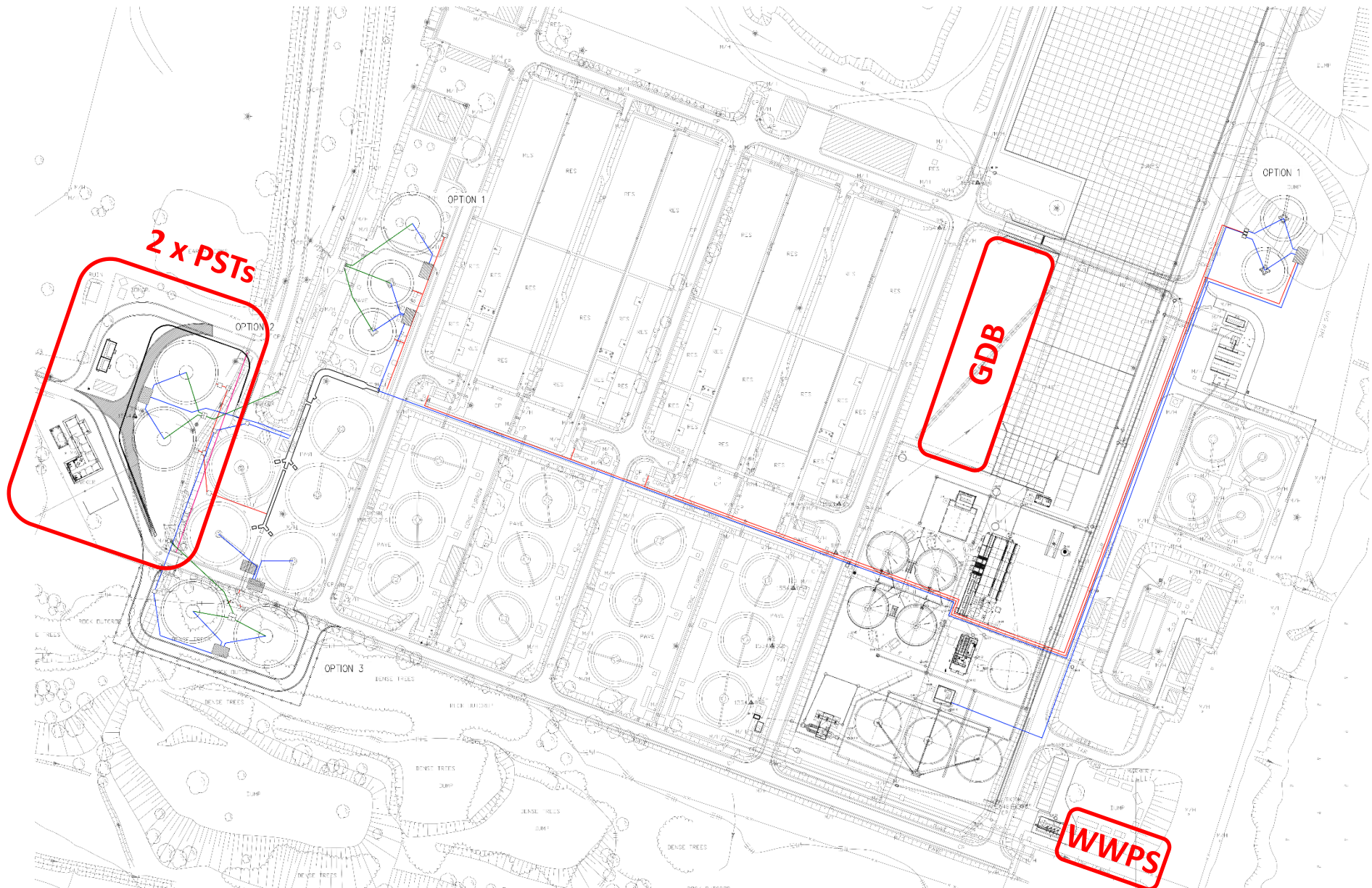
- Located within the existing Bushkoppie Wastewater Treatment Works



### 3. Description of proposed works

- The proposed expansion will entail construction of two new 35m diameter Primary Sedimentation Tanks (PSTs)
  - Installation of half bridges on all PSTs
  - Demolishing and re-routing the existing access road
  - Construction of a new flow division box
  - Construction of a new Primary Sludge Pump Station
  - Construction of new terrace including retaining walls
- Construction of grit drying beds (GDB): ~30m x 120m
- Construction of new wash water pump station (WWPS):  
~ 36m x 11m

# 4. Infrastructure layout





## 5. Refurbishment activities

- Construction of a new terrace
- Modifying the existing storm water system
- Re-route 11kV cables
- Constructions of pipe works

## 6. Need and Justification

- Urbanization is expanding at a fast rate in South Africa and more households have access to proper sanitation. This puts pressure on the facilities such as the Bushkoppie Wastewater Treatment works.
- The proposed expansion is to assist with the high inflow currently received at the Bushkoppie WwTW.
- The proposed expansion will assist to relieve the stress on the handling of raw sewage.

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management Act 107 of 1998	Applicability to proposed project
<p><b>Listing Notice 1, Activity 34:</b> 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.</p>	<p>The construction of two new PSTs at the Bushkoppie WwTW</p>

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management Act 107 of 1998

Applicability to proposed project

**Listing Notice 1, Activity 57:** The expansion and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage where the capacity will be increased by 15 000 cubic metres or more per day and the development footprint will be increased by 1000 square meters or more.

The expansion of the existing Bushkoppie Wastewater Treatment Works (WWTW), which include construction of PSTs, GDB and WWPS.

**Listing Notice 3, Activity 12:** The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance is required for maintenance purposes undertaken in accordance with a maintenance management plan.

The proposed site is located within the Gauteng C-Plan.

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management: Waste Act 59 of 2008	Applicability to proposed project
<p><b>Category A, Activity 1:</b> Storage of general waste in lagoons.</p>	<p>Storage of the sludge from the waste water.</p>
<p><b>Category A, Activity 12:</b> The construction of a facility for a waste management activity listed in Category A of this Schedule (not in isolation to associated waste management activity).</p>	<p>The construction of the two new PSTs and associated infrastructure.</p>
<p><b>Category A, Activity 13:</b> 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.</p>	<p>The construction of the two new PSTs and associated infrastructure.</p>

## 8. Specialist Studies

- Wetland and Aquatic Assessment
- Heritage Assessment

## 9. Process to date

- A request for a reference number was submitted to GDARD on the 09 May 2019, received 10 May 2019
- Compilation of I&AP database
- BA process commenced with compilation of EIA Application Form and BAR (GDARD template)
- GDARD Pre-application site inspection – 29 May 2019

Thank you

Questions and Discussion



**Basic Assessment and Water Use License application for the proposed upgrade of the existing Bushkoppie WWTW in the Gauteng Province. (GDARD Ref: Gaut 002/19-20/E0028)**

**GDARD PRE-APPLICATION MEETING - MINUTES**

<b>CLIENT</b>	: Johannesburg Water SOC Limited
<b>CONSULTANT</b>	: Zitholele Consulting (Pty) Ltd
<b>PROJECT NO.</b>	: 19043
<b>DATE</b>	: 12 June 2019
<b>TIME</b>	: 10:00 to 11:00
<b>VENUE</b>	: Bushkoppie WWTW, Stockwell Ave, Soweto, Gauteng Province
<b>REFERENCE</b>	: 19043-11-Min-001

**PRESENT**

Puleng Mashego (JW)	PM	Takalani Mavhunga (GDARD)	TM
Roneil Vilcen (JW)	RV		
Mathys Vosloo (Zitholele Consulting)	MV		
Jan Swart (Zitholele Consulting)	JS		
Neil Govender (Zitholele Consulting)	NG		
Sugen Pillay (Zitholele Consulting)	SP		




**APOLOGIES**

None

ITEM	DISCUSSION POINTS	ACTION, DATE
<b>1</b>	<b>AGENDA</b>	
	<ul style="list-style-type: none"> <li>- Welcome and Attendance</li> <li>- Objective of the meeting</li> <li>- Introduction</li> <li>- Description of proposed works</li> <li>- Infrastructure layout</li> <li>- Refurbishment activities</li> <li>- Need and Justification</li> <li>- Listed Activities</li> <li>- Specialist Studies</li> <li>- Process undertaken to date Conclusion and Way Forward</li> </ul>	
<b>2</b>	<b>WELCOME AND ATTENDANCE</b>	
2.1	All attendees introduced themselves and filled in the attendance register.	MV
2.2	Refer to Appendix A for a copy of the attendance register	

<b>3</b>	<b>MEETING OBJECTIVES</b>	
3.1	<b>MV</b> briefly explained the purpose and objectives of the meeting for the benefit of the GDARD officials. He highlighted that they had a meeting with other GDARD officials on the 29 <sup>th</sup> of May 2019 and there seems to be no triggers for this proposed activity, though this meeting will confirm whether there are activities triggered or not.	
<b>4</b>	<b>ACCEPTANCE OF AGENDA</b>	
4.1	The agenda was accepted. It was agreed that additional items for discussion would be included under “General”.	
4.2	Refer to Appendix B for a copy of the agenda.	
<b>5</b>	<b>PRESENTATION</b>	
5.1	<b>MV</b> introduced the client (JW) and began with the presentation. <b>MV</b> asked <b>NG</b> to explain the infrastructure layout of the existing Bushkoppie and the proposed infrastructure. <b>NG</b> took over the presentation of the infrastructure layout (see slide 7).	
5.2	Refer to Appendix C for a copy of the presentation slides and hand-outs.	
<b>6</b>	<b>MATTERS ARISING</b>	
6.1	<b>TM</b> asked whether the plant has an existing authorization and whether this proposed activity is an expansion of the facility. <b>MV</b> explained that the Grit drying bed will not be expanding the capacity of the plant. <b>RV</b> explained that the proposed grit drying bed will assist with the storing and drying of sand.	
6.2	<b>TM</b> asked where the sand will be coming from. <b>RV</b> explained that the sand is already in the system, but it is difficult to handle. <b>RV</b> highlighted that the sand needs an area to be dried so that it can be transferred to a licensed landfill, therefore this new GDB will be used to separate the liquid from the sand to avoid contaminating the ground water.	
6.3	<b>TM</b> asked whether the GDB will be used for storage. <b>SP</b> highlighted that it will be for short term storage.	
6.4	<b>TM</b> asked whether the waste classified as hazardous waste. <b>RV</b> highlighted that is a domestic waste as it as biological process at the plant. <b>TM</b> highlighted that if the sand has a potential to contaminate ground water then it could not be a domestic waste.	
6.5	<b>RV</b> highlighted that the problem is the liquid in the sand and that is why they need the new GDB to separate the liquid and sand. The GDB will be designed to separate the liquid and sand, and the liquid will go back into the system. <b>NG</b> explained that there will be pipes that will transport the liquid back to the system and the sand will be dried up by the sun.	
6.6	<b>TM</b> highlighted that this will be a storage and separation of waste and falls under the category there is listed activity of story of waste and there are norms and standard for silting. He mentioned that there should be screening to check whether the norms and standard for silting is applicable. He highlighted that the proposed activity might be triggered by norms and standards.	
6.7	<b>TM</b> asked whether there will be a difference between the existing infrastructure and new GDB. <b>RV</b> explained the process of the sewage	

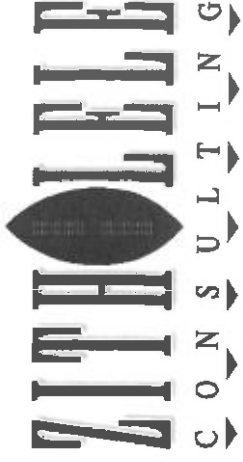
	<p>process, she explained that JW spreads the sludge on the GDB where the UV from the sun disinfect it. She explained that JW has a composting process where the sludge is turned into compost and taken to farmers. <b>TM</b> asked whether JW is authorized to do composting. RV explained that the composting is part of a water use license. <b>TM</b> highlighted that composting must fall under waste license. <b>RV</b> explained that at the moment the plant is not composting. <b>MV</b> highlighted that it will be checked and will be noted.</p>	
<b>7</b>	<b>GENERAL</b>	
7.1	<b>MV</b> highlighted that there will be wetland and aquatic specialist studies and a general heritage assessment.	
<b>8</b>	<b>CLOSURE</b>	
8.1	With no further comments, the meeting closed at 10:35am.	

<b>ACTION</b>	<b>FUNCTION</b>	<b>NAME</b>	<b>DATE</b>	<b>SIGNATURE</b>
Prepared	EAP	Jessica Morwasehla	24/06/2019	
Reviewed	Senior EAP	Mathys Vosloo	24/06/2019	
Approved	Senior EAP	Mathys Vosloo		

## **Appendix A – Attendance Register**

**Zitholele Consulting**  
Reg. No: 2000/000392/07

PO Box 6002 Halfway House 1685, South Africa  
Building 1, Maxwell Office Park, Magwa Crescent West  
c/o Allandale Road & Maxwell Drive, Waterfall City, Midrand  
Tel + 27 11 207 2060  
Fax + 27 11 86 674 6121  
E-mail : mail@zitholele.co.za



**Basic Assessment and Water Use License application for the proposed expansion of the existing  
Bushkoppies WWTW in the Gauteng province.**




**GDARD WASTE PRE-APPLICATION MEETING AND SITE INSPECTION**

Wednesday, 12 June 2019, 10H00

Bushkoppie WWTW, Stockwell Ave, Soweto, Gauteng Province

**ATTENDANCE REGISTER**

TITLE	FIRST NAME	SURNAME	SIGNATURE	ORGANISATION	CONTACT DETAILS			
MR	Tsikakani	Maulunse		GDARD	Tel No:	011 240 2688		
					Fax No:			
					Cell No:	076 7919941		
					e-mail:	tsikakani.maulunse@spurski.gov.za		
MR	JAN	SWART		ZITHOLELE	Tel No:	011 257 2060		
					Fax No:			
					Cell No:	083 647 6022		
					e-mail:	jans@zitholele.co.za		
Mrs	Raell	Uijoen		OW	Tel No:	082 821 5446		
					Fax No:			
					Cell No:			
					e-mail:	raell.ujoen@juwater.co.za		

TITLE		FIRST NAME	SURNAME	SIGNATURE	ORGANISATION	CONTACT DETAILS						
MR	Pule ng	Mashego		JW	Tel No:		Fax No:		Cell No:	0794934967	e-mail:	john.mashego@jwdenise.co.za
Mr	Neil	Gorender		ZC	Tel No:		Fax No:		Cell No:		e-mail:	
Dr	Mathys	Vosloo		ZC	Tel No:		Fax No:	084 748 3018	Cell No:		e-mail:	mathysv@zitholele.co.za
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	
					Tel No:		Fax No:		Cell No:		e-mail:	

## **Appendix B – Meeting Agenda**

**Basic Assessment and Water Use License application for the proposed expansion of the existing Bushkoppie WWTW in the Gauteng Province.**

**PRE-APPLICATION MEETING - AGENDA**

<b>CLIENT</b>	: Johannesburg Water SOC Limited
<b>CONSULTANT</b>	: Mathys Vosloo
<b>PROJECT</b>	: Bushkoppie BA and WULA
<b>CONTRACT NO.</b>	: 011 207 2060
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1. Introduction
2. Site Description
3. Description of proposed works
4. Infrastructure layout
5. Refurbishment activities
6. Need and Justification
7. Listed Activities
8. Specialist Studies
9. Process undertaken to date



## **Appendix C - Presentation Slides and Hand-outs**

**Basic Assessment and Water Use License  
application for the proposed expansion of the  
existing Bushkoppie WWTW in the Gauteng  
Province.**

**GDARD Waste Pre-Application Meeting & Site visit**

Dr Mathys Vosloo  
12 June 2019  
19043

# Presentation Structure

1. Introduction
2. Site Description
3. Description of proposed works
4. Infrastructure layout
5. Refurbishment activities
6. Need and Justification
7. Listed Activities
8. Specialist Studies
9. Process undertaken to date

# 1. Introduction

**Applicant:** Johannesburg Water SOC Limited

**Site:** The Bushkoppie WwTW is located in Johannesburg, Southeast of Eldorado Park on the site bound by the Golden Highway (R553) to the West, the N12 to the North and the N1 to the East.

**Access:** Access to the site is gained via Stockwell Avenue, which leads off the Golden Highway (R553).

**Extent:** Approx. 1ha (new infrastructure)

## 2. Site Description

- The site is situated on the Farm Misgund 322 IQ in the south of Johannesburg, Gauteng Province.



## 2. Site Description

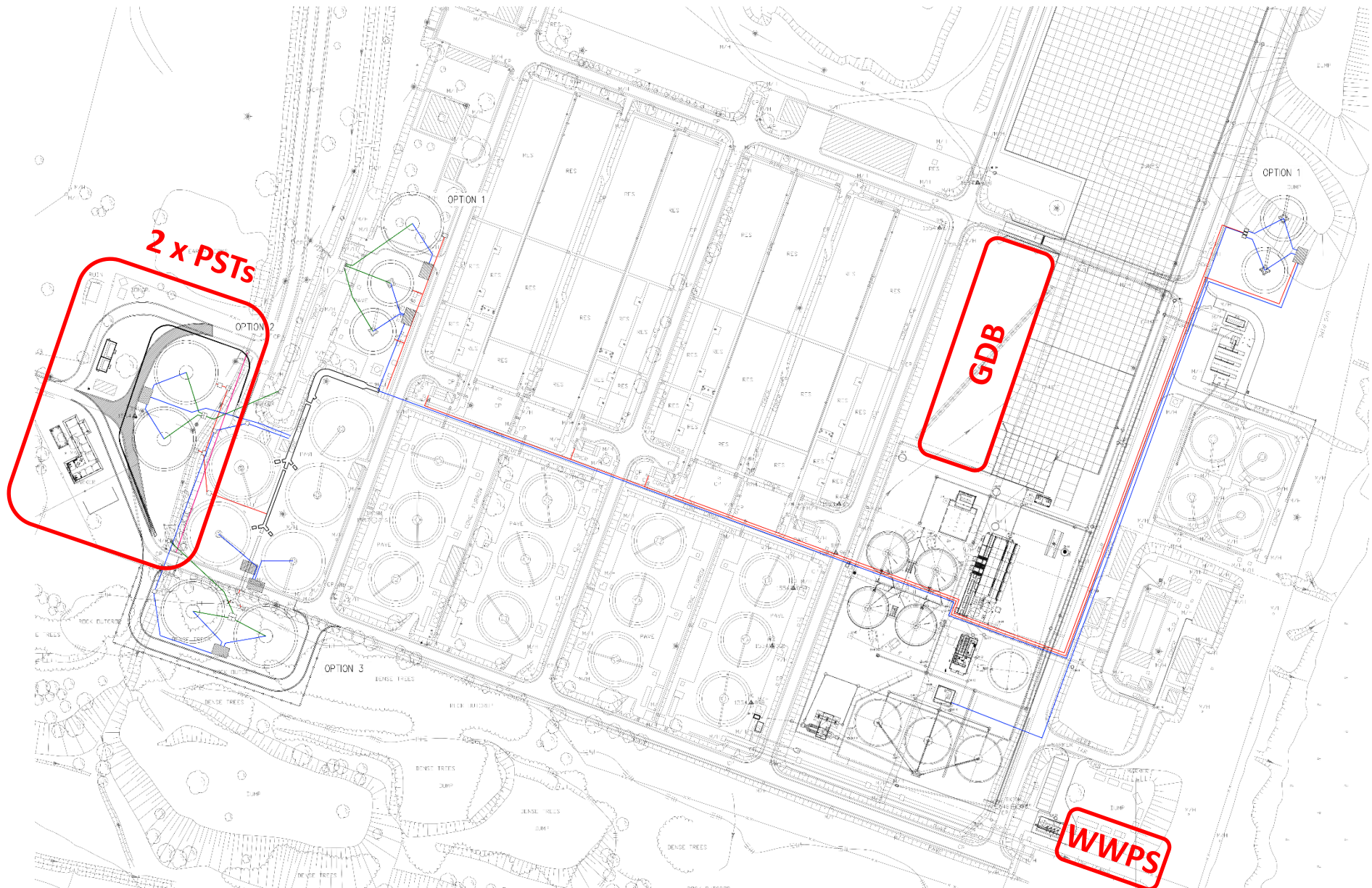
- Located within the existing Bushkoppie Wastewater Treatment Works



### 3. Description of proposed works

- The proposed expansion will entail construction of two new 35m diameter Primary Sedimentation Tanks (PSTs)
  - Installation of half bridges on all PSTs
  - Demolishing and re-routing the existing access road
  - Construction of a new flow division box
  - Construction of a new Primary Sludge Pump Station
  - Construction of new terrace including retaining walls
- Construction of grit drying beds (GDB): ~30m x 120m
- Construction of new wash water pump station (WWPS):  
~ 36m x 11m

# 4. Infrastructure layout





## 5. Refurbishment activities

- Construction of a new terrace
- Modifying the existing storm water system
- Re-route 11kV cables
- Constructions of pipe works

## 6. Need and Justification

- Urbanization is expanding at a fast rate in South Africa and more households have access to proper sanitation. This puts pressure on the facilities such as the Bushkoppie Wastewater Treatment works.
- The proposed expansion is to assist with the high inflow currently received at the Bushkoppie WwTW.
- The proposed expansion will assist to relieve the stress on the handling of raw sewage.

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management Act 107 of 1998	Applicability to proposed project
<p><b>Listing Notice 1, Activity 34:</b> 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.</p>	<p>The construction of two new PSTs at the Bushkoppie WwTW</p>

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management Act 107 of 1998	Applicability to proposed project
<p><b>Listing Notice 3, Activity 12:</b> The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>The proposed site is located within the Gauteng C-Plan.</p>

# 7. Listed Activities

Listed activities that may be applicable to the project

Listed Activities as listed in the National Environmental Management: Waste Act 59 of 2008	Applicability to proposed project
<p><b>Category A, Activity 1:</b> Storage of general waste in lagoons.</p>	<p>Storage of the sludge from the waste water.</p>
<p><b>Category A, Activity 12:</b> The construction of a facility for a waste management activity listed in Category A of this Schedule (not in isolation to associated waste management activity).</p>	<p>The construction of the two new PSTs and associated infrastructure.</p>
<p><b>Category A, Activity 13:</b> 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.</p>	<p>The construction of the two new PSTs and associated infrastructure.</p>

## 8. Specialist Studies

- Wetland and Aquatic Assessment
- Heritage Assessment

## 9. Process to date

- A request for a reference number was submitted to GDARD on the 09 May 2019, received 10 May 2019
- Compilation of I&AP database
- BA process commenced with compilation of EIA Application Form and BAR (GDARD template)
- GDARD Pre-application site inspection – 29 May 2019

Thank you

Questions and Discussion