

## SOL PLAATJE MUNICIPALITY



### MEMORANDUM

Intranet: <http://solplaatje2>

**To: Acting Municipal Manager**

**From: Z. Adikary**

**Enquiries: S. Mkhize**

**Telephone: 053 830 6312**

**Reference:**

**Date: 06 July 2020**

## **KIMBERLEY WATER SUPPLY SHUTDOWN FROM SATURDAY THE 11<sup>TH</sup> OF JULY TO SUNDAY THE 12<sup>TH</sup> OF JULY 2020.**

With reference to the above mentioned subject.

### **Background**

The upgrading of the Kimberley bulk water supply project is currently underway, with the first phase of the project being completed last year. The first phase of the project entailed the construction of the new pump station building and the installation of 4 new high lift pumps which was commissioned last year.

The purpose of the shutdown on the weekend of the 11<sup>th</sup> of July 2020, is to install two valves at the pump station, that will allow both the 600 and 965mm bulk water lines to be isolated from each other and to be able to operate independently. This will enable any future maintenance to be done on the bulk supply lines without interruptions to the supply (while the other supply line is in operation).

### **Discussion**

The entailed work for the weekend will only comprise of the removal of two existing valves and replacing it with new valves as the existing valves does not seal properly. There will be no cutting or welding of pipes that will be required and this will allow for the smooth installation and minimizing of any delays.

It is critical that these valves be installed as the demand on the network is at its lowest, therefore the supply of water for a further 10 hours after Riverton will be switched off can still be maintained without creating a concern for the levels at Newton reservoir.

### **Risk Factors**

The following risks has been identified but also mitigated as discussed below;

- Delay in scouring of water lines – the time allocated on the schedule of works allows for an additional 4 hours of scouring should any challenges occur,

- Isolating valves not opening when work is completed– this shutdown will allow supply to resume using one of the bulk lines independently should any challenges arise,
- Gaskets – additional gaskets will be available on site should they become damaged during transportation or installation,
- Crane failure – a TLB will be on site to assist with lifting,
- Work on both valves will commence simultaneously to reduce work time.
- CBD supply line, which includes hospitals, shall be opened first to replenish water levels at hospitals. In case of any delay, beyond 24 hours, in general reopening of water supply, supply lines to hospitals shall be opened.

## Program of works

Date	Day	Time	Scheduled work
10 <sup>th</sup> of July 2020	Friday	12 PM Midnight	Shutdown at Riverton will take place Friday midnight the 11 <sup>th</sup> of July.  Scouring of both 600 and 965mm water lines will commence.  Water will still be supplied to all residents.
11 <sup>th</sup> of July 2020	Saturday	10:00 AM on the Saturday morning.	Scouring of both 900 and 600 lines will be completed.  We have allowed 10 hours for the lines to be scoured.
11 <sup>th</sup> of July 2020	Saturday Morning	10:00 AM	Supply at Newton will be closed  Supply to all areas will stop.
11 <sup>th</sup> of July 2020	Saturday	10:30 AM	Both the existing 600 and 965mm valves will be removed.  And the installation of the new valves will follow.
11 <sup>th</sup> of July 2020	Saturday Evening	10:00 PM	The installation process will be completed.
11 <sup>th</sup> of July 2020	Saturday Evening	12:00 PM	Pumping from Riverton to Kimberley will commence
12 <sup>th</sup> of July 2020	Sunday Morning	10:00 AM	Newton will be switched on to supply all areas.
12 <sup>th</sup> of July 2020	Sunday Afternoon	14:00 PM	All areas will have water.

## Conclusion,

- That all stakeholders will be engaged prior to having the shutdown,
- Jojo tanks in informal settlements will be filled prior to the shutdown,
- That it is crucial to install valves when the demand on the water supply is at its lowest,
- That the work entailed is part of the big bulk water project and that future shutdowns will be required to install new cables and transformers,

---

**B. DHLUWAYO**  
**ACTING MUNICIPAL MANAGER**