INTERNET ARTICLE

Grootdraai Pump Station restored to its former glory

14 September 2017

The Directorate: National Water Resource Infrastructure (NWRI): Central Operations under the Department of Water and Sanitation is working hard in ensuring that its Pump Stations are being monitored, repaired and serviced.

Recently the Department completed one of the infrastructure projects that resumed in March 2017 in Grootdraai Pump Station. The station is located in Usutu-Vaal Area Office, near Standerton, Mpumalanga Province.

According to the Project Manager, Mr Vincent Arms, Pump Stations are used for a variety of infrastructure systems, such as the supply of water to canals, the drainage of low-lying land, and the removal of sewage to processing sites.

 "Six (6) Temperature probes, two (2) Pressure transmitters and one (1) Vibration sensor were recently installed on the station pump lines", said Mr Arms.

Mr Arms added that "Condition monitoring instruments is a maintenance strategy where by the measuring instruments are inspected to see whether the instruments are in good working condition or not".

The objective of the instrument is to monitor the operation system, minimise the risk of equipment damages and injuries to personnel.

Mr Arms explained that "Temperature probe is used for measuring temperature and detect abnormal temperatures on the bearings and stop the operation of the pump line. Vibration probe detect the sensitivity of the bearings and stop the pump line in case of abnormal behaviour. A pressure transmitter is used to measure the amount of pressure produced when the pump line is running".

Lastly, the Project Manager said that the installation of the equipment's to the pump station will reduce the risk of equipment damages and injuries to personnel.

Mr Arms concluded by saying "The project was a success and I would love to thank the department for ensuring that condition monitoring instruments are being repairs, replaced and serviced and this will improve the operation of the pump station".

Emmah Maluleke