



INTERNET ARTICLE

NWRI: Central Operation completes Grootfontein Pump Station

02 October 2017

The National Water Resource Infrastructure (NWRI): Central Operation office recently completed one of its projects for this financial year. The Grootfontein Pump Station has been under repairs since April this year.

The pump station is situated in Usutu-Vaal Area Office, near Standerton, Mpumalanga Province. It is used for supply of water to canals and other infrastructure systems.

According to Mr Vincent Arms (the project manager); eleven (11) temperature probes, two (2) vibration sensors and three (3) limit switches were recently installed in the Grootfontein Pump Station”.

The objective of installing temperature probes, vibration sensors and limit switches in the pump station is to monitor the operation systems, minimise the risk of equipment damages and injuries to personnel and regulate the operation of machines.

“Conducting operation and maintenance to the pump station will improve the working condition, the performance and the life time of the station”, Mr Arms said.

The Department of Water and Sanitation is committed to ensuring that its pumping stations are being operated, maintained, rehabilitated and refurbished consistently to provide effective and efficient supply of Bulk Raw Water for Economic growth, social development and poverty eradication.

“A limit switch regulates the operation of machines that are equipped with moving parts connected to a switching action mechanism. Temperature probes are used for measuring temperature and detect abnormal temperatures on the bearings and for stopping the operation of the pump line. Vibration probes detect the sensitivity of the bearings and stop the pump line in case of abnormal behaviour”, explained Project Manager.

Mr Arms said that department employees working at the pump station were grateful for the work done and that it would improve their work performance”, Arms said.

Emmah Maluleke