



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

INTERNET ARTICLE

Boschkop Pump Station receives maintenance services

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Recently the Department of Water and Sanitation completed one of the maintenance projects in Boschkop Pump Station. The station is located in Usutu-Vaal Area Office, near Standerton, Mpumalanga Province.

The Directorate: National Water Resource Infrastructure (NWRI): Central Operations office during this financial year was busy conducting maintenance services at the Boschkop Pump Station. NWRI ensures that Department's Pump Stations are being monitored, repaired and serviced as planned.

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.

"Two (2) Temperature probes, seven (7) vibration sensors and eight (8) flow meters were recently installed on the station pump lines", said Arms.

Mr Arms added that "Condition monitoring instruments is a maintenance strategy whereby 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", explained Project Manager.

Mr Arms concluded by saying that "The maintenance project was a success as there were no serious challenges during the installation of the equipment at the pump station".

Department of Water and Sanitation is busy with maintenance projects in various pump stations in order to improve the working conditions of the stations.

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