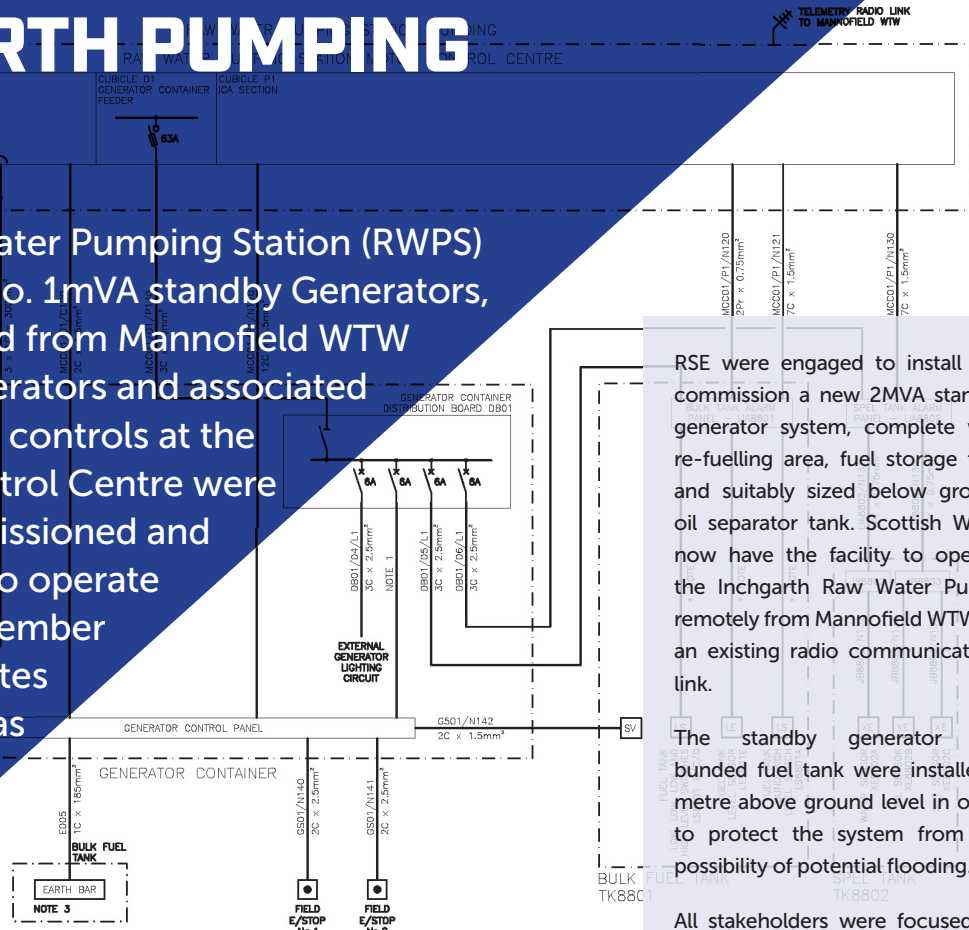


INCHGARTH PUMPING STATION

Inchgarth Raw Water Pumping Station (RWPS) previously had 2no. 1mVA standby Generators, these were moved from Mannofield WTW in 2009. The generators and associated auto-changeover controls at the RWPS Motor Control Centre were never fully commissioned and as a result failed to operate effectively in December 2015, when the sites SSE substation was damaged by flooding.



RSE were engaged to install and commission a new 2MVA standby generator system, complete with re-fuelling area, fuel storage tank and suitably sized below ground oil separator tank. Scottish Water now have the facility to operate the Inchgarth Raw Water Pumps remotely from Mannofield WTW via an existing radio communications link.

The standby generator and banded fuel tank were installed 1 metre above ground level in order to protect the system from the possibility of potential flooding.

All stakeholders were focused on achieving the desired outcomes at each stage of this project, ensuring interfaces between organisations and disciplines promoted safe and successful decommissioning of the existing generators. Installation and commissioning of the new generators was achieved with minimum disruption to the day to day operation of the facility.



New Generator



New standby generator platform



Inchgarth Pumping Station



Project Title: Inchgarth Pumping Station
Client: Scottish Water
Project Value: £1.4M
Award Date: 18th May 2017
Project Commenced: 19th June 2017
Project Completed: 6th April 2018



“This was an urgent project that needed a quick response to get a new standby generator procured, installed and commissioned before the winter period. RSE worked collaboratively with the Project Manager and our colleagues in Strategic Customer Service Planning and Customer Service Delivery to achieve the tight timescales. This installation will provide resilience for the electrical supply to the strategically important pumps at Inchgarth WPS”

CALUM SCOTT, SW Senior Project Manager

