

Dounreay Manhole number 5

Delivering design, manufacture and install on-time, on-cost



Dounreay Site Restoration Ltd (DSRL) discovered **trace radiological contamination** in the surface water drainage system at manhole number five during routine monitoring. The Scottish Environment Protection Agency (SEPA) placed an **enforcement notice** on DSRL to provide radiological monitoring on all future surface water from manhole number five prior to discharge to sea.

JGC Deliver

DSRL engaged the services of Jacobs Engineering to Project Manage the work and JGC to design, manufacture test and actively commission a system that would remedy the non - monitored discharge problem that the existing system presented. A **ten week project** timescale was critical for DSRL who were facing prosecution by SEPA if completion was not achieved.

JGC were tasked with the **development** of both the **scheme and detail design** for the mechanical, electrical, controls and instrumentation and civil engineering work scope.

JGC appointed Arch Henderson & Partners to undertake the civil engineering design on our behalf.

Following DSRL acceptance of the proposed design the **pump and pipe work skid** was off site **manufactured and tested** prior to delivery to site to give assurance that the equipment would meet its design intent. Onsite installation test and active commissioning within the confined space of manhole five was therefore undertaken in the knowledge that the design was **fit for purpose** and would **work first time**.

Solution

The close **co-operation** of all parties involved in the project resulted in **team effort** that was essential to bringing in the project in **ahead of the ten week** programme and **on cost**, with the **enforcement notice being closed** out by SEPA following demonstration of the working plant and equipment.

DSRL
JGC are a key provider of services to our site and time after time deliver on budget and on programme in an increasingly competitive market.

Their attitude and commitment to Quality, Safety and Environmental aspects of our work on a nuclear licensed site are crucial to our business in moving forward.

JGC Experience to Deliver

Since 1972, we have continuous experience of working on UK civil nuclear and MoD sites.

JGC's experience in implementation, operations support and decommissioning of both nuclear plant and facilities ensures that we have the ability to deliver best value services, products and projects.



JGC
Engineering & Technical Services Ltd
Janetstown
Thurso
Caithness
KW14 7XF

Tel: 01847 896767

Fax: 01847 891448

Email: - info@jgc.co.uk

Web: www.jgc.co.uk