



CS-PFR-17-3 NORM Monitoring & Decontamination During P&A Operations

Executive Summary

Centrica commissioned Augean North Sea Services (ANSS) to support their summer 2017 multi-well abandonment programme onboard the Paragon B391.

Augean have previously established a strong relationship with Centrica over a variety of drilling waste management projects, including the provision of cuttings containment and disposal services along with onshore Industrial cleaning waste management at Barrow gas terminal.

Project Scope

ANSS were contracted to supply the personnel and equipment for offshore NORM monitoring services for the abandonment of 7 of the operator's 'A-Field' wells in the southern part of the North Sea.

Where NORM was detected during the offshore scope, Augean were to provide onshore transport to our dedicated decommissioning and NORM decontamination facilities in the Port of Dundee for the removal of the contaminants and ultimately their disposal. Additional services included the deep cleaning of mud pits.

Solution

- Radiation Protection Supervisors (RPS) deployed for 24hr monitoring and safe consignment of all casing and tubing pulled to surface
- RPS controlled area provided for all contaminated components
- 4 Water Jetting Specialists deployed for pit cleaning
- 'Class 7 Dangerous Goods by Road' carriers supplied for transportation to our Dundee facilities
- All NORM contaminated components descaled and cleaned for scrapping or reuse, as appropriate
- All contaminated waste repackaged for final disposal.

Complete Waste Services For The North Sea

-  Drilling & Well Abandonment Waste Management
-  Decommissioning Services
-  Industrial & Marine Services
-  Waste Services

Achievements

- NO accidents, incidents or injuries – Continuing our 11 years LTI free at rig sites
- Monitored NORM levels for all tubulars, casing and downhole tools pulled
- 5 sets of NORM contaminated tubulars transported onshore and decontaminated, totaling over **44,000 ft.**
- 4 suspected NORM contaminated Christmas Trees received at our PPC permitted facility
- Upon thorough investigation, 2 x Christmas Trees decontaminated and prepared for safe disposal.
- Deep cleaned mud pits with reduced man entry techniques. All jetting water and waste contained and treatment
- Controlled and minimised risk of exposure to NORM contaminants during detection, containment, removal and disposal
- Ensured full compliance with legislation and procedural adherence for all 7 wells.
- NORM awareness training was also delivered for contractor's personnel.

Result

The client realised the cost and logistical benefits associated with using one vendor for the tasks.

Having successfully established our services in the Drilling and Well Abandonment Waste Management market, Augean has been lined up for further well abandonment programmes with Centrica and other operators.

To discuss your requirements in more detail please contact our dedicated team on:

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