

PLUG & ABANDONMENT
DISPOSALS PROJECT

OVERVIEW

Birdon supported the Plug & Abandonment campaign through the onshore receipt, assessment, processing, reuse and recycling of recovered materials, including Oil Country Tubular Goods (OCTGs) and subsea Christmas Trees (XTs). Materials were received in batches across multiple Western Australian locations and progressed through verified hazardous material controls and approved reuse/recycling pathways and hazardous waste disposal.

Division	Disposals
Location	Dampier and Karratha, WA
Project Duration	May 2024 – June 2026

MATERIALS RECEIVED (ONSHORE)

OCTGs

- OCTGs received in batches from May 2024 to April 2025
- Materials from 10 wells received at customer supply base, comprising approximately 2,070 tubulars and completion assemblies (including tubing hangers and downhole safety valve's), totalling -1,180 tonnes.

Subsea Christmas Trees (XTs)

- Three (3) XT's received at Toll Dampier Supply Base (TDSB), totalling -170 tonnes.

Execution & Controls (Verification, Decontamination, Processing)

- Onshore verification testing was conducted by a Licensed Radiation Safety Officer (RSO) and Industrial Hygienist to confirm the presence of NORM, and (where applicable) mercury and iron sulphide.
- Based on offshore and onshore contamination results, materials were transferred to specialist subcontractor facilities for appropriate processing pathways, including HAZMAT Decontamination and cleaning inline with re-use and recycling cleanliness requirements.
- NORM decontamination was undertaken at a waste management facility, followed by clearance testing by Radiation Safety Officer.
- For XT's, loadin controls included establishment of a laydown area with bunding, support stools and exclusion zones prior to receipt; decontamination and clearance testing were completed using specialist subcontractors; and Birdon work crews supported downsizing, de-energising, lifting and material removal following clearance.

RESULTS AT A GLANCE

1,368 t	Total materials safely received and processed (OCTGs + Subsea Christmas Trees)
97%	Overall re-use + recycling rate at completion 330 t re-used 984 t recycled 38 t regulated disposal
489 t	Contaminated materials safely received (including NORM, mercury and iron sulphide) decontaminated and released into reuse or recycling pathways
3 Subsea Christmas Trees	Processed under controlled conditions, including: • Safe de-energisation of XT's and downhole safety valves (TRSV's) • Engineered laydown areas, exclusion zones and clearance prior to dismantling

DISPOSAL PATHWAYS
(REUSE/REPURPOSE/RECYCLING)

OCTGS

- **Reuse / repurpose:** Tubulars collected for reuse/ repurpose in applications including piling and fence construction – 27%.
- **Recycling:** Tubulars and completion structures, transported to a metal recycling facility – 70%.

Subsea Christmas Trees (XTs)

- **Reuse / repurpose:** Salvageable components collected by a surplus materials reseller – 6%.
- **Recycling:** Decontaminated and cleared components and completion structures transported to a metal recycling facility – 90%.

Subcontract vendor spend and recycling receipts were tracked for the following campaigns:

- **Project:** WA local businesses 100%
Indigenous owned businesses 21.52%

