



SANDY RIDGE PROJECT

SCOPE OF WORK

GR Engineering were appointed by Tellus Holdings Limited to design and construct Australia's first commercial dual open-cut kaolin mine and arid near-surface geological waste repository with a 25-year operating license. Located 240 km by road west north west of Kalgoorlie, the project involved mining up to 290,000 tpa of kaolin clay and receiving up to 100,000 tpa of Class IV (Secure Landfill) and Class V Intractable Landfill waste ("hazardous waste") at the gate over the 25-year facility life.

The facility scope will include:

- Site vehicle entry and administration office with radiation monitoring;
- Container storage yards with flammable storage;
- Onsite laboratory for analysis;
- Waste immobilisation plant used to prepare/stabilise waste sludge/liquid by combination with kaolin and cement discharged into half height containers;
- Radioactive warehouse facilities and waste inspection bays;
- HV/LV workshop and wash down bay;
- Site infrastructure services including bore water pipeline, refuelling and water distribution;
- Excavation of first waste cell and erection of 180 m x 90 m Cell Air Dome Structure (CADS) to prevent ingress of water during waste placement;
- Accommodation camp for 71 persons.

Commodity: Kaolin/Waste Disposal

Region: Australia

Location: Approximately 75 km north-east of Koolyanobbing in the Goldfields region of Western Australia

Project Type: Greenfields, lump sum contract, EPC

Client: Tellus Holdings Limited

Award Date: February 2019

Completion Date: October 2020

Project Manager: Stuart Peirce

Process Manager: Bill Gosling