



## Former gasworks below an existing house – Scotland

**The Client:** Local Authority (Central Belt - Scotland)

**The Challenge:** The initial scope was to remove hydrocarbon contaminated soils from behind a residential property and install a vapour extraction system. Excavation works uncovered an old tar tank and gas holder containing oil and tar. One corner of the house had been built directly on top of the tank and straddled the gap between the tar tank and the gas holder wall.

**The Solution:** Soilutions liaised with the client throughout the project, providing recommendations and costed options at each stage as further unexpected issues arose.

The final works consisted of:

- Liquid from the tar tank was pumped out and sent for disposal
- Solids in the tank were excavated and sent for treatment and disposal
- The tar tank was pressure washed and backfilled with concrete
- Material between the tar tank and gas holder was excavated, for disposal, included excavating underneath the house (with appropriate support works in place).
- Air monitoring and forced air system installation
- The gas holder was back filled with concrete
- The rear garden was reinstated

The occupants were able to remain in their homes throughout the works.

**Duration:** 10 months



EXPOSED TANKS FILLED WITH OIL & TAR



TANKS FOLLOWING OIL & TAR REMOVAL



GAP BETWEEN TANK AND GAS HOLDER



CONCRETE BACKFILL



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