

Constructing Modern Salt Storage & Handling Facilities for the Future



Salt Dome, Marlborough, Wiltshire

With government pressure to improve the resilience of road gritting plans, many local authorities are taking action now to improve capabilities for 2011 and beyond. Modern salt storage depots with the capacity needed to support the local road network are core to this.

A complete construction solution

Whether you are considering improvement works to existing sites, or brand new installations, Beard provides a complete construction solution and draws on in depth project experience with Wiltshire Council's engineering and corporate estates team.

Flexibility – a key requirement

Combined with dry salt storage, councils require sites to provide amenities for gully tankers, secure garaging, maintenance and wash down facilities for gritter lorries, storage compounds, fuel enclosures and suitable accommodation for staff on standby.

Designed for efficient working

Good site design is important to maximise efficiency and safety at peak times. In addition complex infrastructure and environmental issues must be managed and resolved.

Sustainable technology

On site water treatment to manage salt contamination, waste from gully tankers, and potential fuel spillages is crucial. Salt marsh reed beds, straw bale filters and onsite composting provide the latest ecological solutions.

Minimal impact on communities

With potential night time and 24 hour working it is essential to minimise the impact on residential communities. In addition the interests of any number of council departments must be managed, from highways and environment to biodiversity and landscape impact, to ensure the Council's goals are achieved.

- **Design and Build**
- **Improvement works, or new build**
- **Low maintenance, long lasting solutions**
- **Integration into surroundings**
- **One stop solution**
- **Maximum use of space**
- **Ecological waste management**
- **Low CO₂ footprint**

New Salt Depots for Wiltshire



New domed Salt Barn in Marlborough

“We are delighted with the approach Beard has taken with these projects because they are proactive and have shown tenacity in sorting out some of the infrastructure issues which come as part and parcel of a development of this size and complexity”

Vanessa Colyer, Wiltshire Council



Staff Accommodation and Gritter Bays

Commissioned by Wiltshire Council Beard has completed the construction of a new state-of-the-art Salt Depot in Marlborough and is working on a second facility at Wootton Bassett due for completion in 2011.

Both projects support the Council’s goal for modern, flexible facilities, incorporating sustainable technology, and form part of a county wide programme to improve the resilience of gritting capabilities across the road network.

As design and build contracts, Beard is fully responsible for both the design and construction phases. Marlborough uses a domed salt barn which achieves council goals but within a relatively small footprint, while Wootton Bassett uses a traditional portal frame structure. Associated areas for secure garaging, vehicle maintenance bays, facilities for emptying gully tankers, wash down areas and staff accommodation are also part of the total solution.

In order to achieve the desired year round flexibility, the site layout needed careful planning and close interaction with Highways, Engineering and other departments.

Environmental issues represent the biggest concerns. All water treatment is managed on site. Straw bale filters are used for tanker waste and salt marsh reed beds and filtration ponds purify and recycle all contaminated water. Getting this system right first time was crucial.

Beard offers a complete construction solution for all your needs.



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