



**Environmental Services
for the
Drilling Industry**



Contents



Contact Details	3
Company Profile	4
History	5
Health and Safety	6
Drilling Waste Management	7
Equipment	8 to 13
Our Services	14



Contact Details

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Company Profile

F.B.G. limited has been providing the UK on-shore drilling industry with a complete waste disposal package for eighteen years. During this time, we have become the leading innovator and supplier of waste disposal technologies to the on-shore drilling industry, performing around 90% of the UKs on-shore disposal.

Our specialist cuttings disposal equipment is unique to F.B.G Ltd. and has supplied our large customer base with a hassle-free and efficient service throughout the British Isles and Ireland.

We also offer bulk storage tanks for hire anywhere in the UK, either for long term or short term use, at competitive prices. Our large fleet of storage tanks and IBCs present our clients with flexible, safe storage solutions for a wide range of fluids from water to base-oil, brine, solvents, drilling mud, liquid fertilizers and diesel. Our range of open-topped tanks also give our clients an option for solids storage.



History

F.B.G Limited was established in 1992 in response to the UK's need for an on-shore drilling environmental specialist. Updated environmental legislation was affecting the day to day activities of the drilling companies and new methods of waste disposal needed to be found.

F.B.G. Limited developed and built a range of specialist tanks and handling equipment to meet the changing requirements of the market. These changes enabled a closed loop system to be produced that would keep all cuttings and fluids confined whilst capturing the maximum amounts of re-useable fluids, therefore keeping waste disposal volumes to a minimum. The equipment has been updated over the years to meet changing safety regulations and make use of beneficial modern technologies.

F.B.G.s continued investment in innovative solutions led to the development of our Cuttings Reduction Unit (CRU) in 2007. This unit was built in response to growing concerns over the probability of an on-road spillage of drilling waste due to open topped transport containers. The CRU effectively eliminates this environmental risk by allowing all cuttings waste to be reduced to a liquid form and transported by sealed road tankers.

The company's increasing portfolio of storage vessels has allowed us to expand our tank hire service into other markets in the private sector such as agriculture and food manufacture.

Health and Safety

Eloise Bright, the Health & Safety coordinator holds Confined Space with Self Rescue Breathing apparatus certification, Safety Monitoring and Risk Assessment, First aid appointed persons and Safety Passport. Eloise is also an Affiliate member of IOSH

FBG Ltd is a forward thinking Company, committed to achieving high safety standards, using a varied variety of mediums. Including but not limited to:

- Administrative duties- up to date risk assessments in a format that is user friendly to staff and client
- Employee consultation & contribution- to all new ideas, procedures and Equipment impacting on Health and Safety at FBG
- On-Site Tours – A means of Active monitoring at the sites, improving and maintaining business to business communication giving both increased understanding of each others H&S needs. The visits are also used to ensure employees are up to date on regulations and giving bite size training on the job when practicable
- Site Operations Files- Available from our Site Supervisors & operatives. Contained is the FBG H&S Policy, certification, Employee details, Risk Assessments and all other documentation that may be required to ensure uninterrupted operations.
- Personal Protective Equipment- We ensure the employees always have the right PPE for the job, including first aid kits and that it is readily available, giving tool box talks at On-site Tours on care and regulations
- Furthermore FBG Ltd has an open-minded outlook toward H&S. Always interested in developing new ideas and ways of making its tasks as safe and user friendly as possible. Ensuring we evolve and adapt as readily as the regulations that govern us.

Drilling Waste Management

F.B.G Ltd is the only company offering a complete handling and disposal service to the on-shore drilling industry. This encompasses everything from mud pit cleaning to cuttings disposal using our handling equipment and on-site operatives.

These fully licensed on-site operatives run our equipment whilst monitoring and managing waste disposal in synchronisation with the rigs timetable therefore helping to create a smooth running drilling timetable. All our employees hold current licenses for the following:

- Fork Lift (HSE Approved)
- Excavators (HSE Approved)
- Lorry Loader (ALLMI)
- Confined space with Self-Rescue Breathing Apparatus
- Passport to Safety (ECITB)
- First Aid Appointed Persons (HSE Approved)

FBG Ltd perform regular sampling and testing of drill cuttings and fluids waste streams. Testing is carried out by accredited independent analysis companies such as Alcontrol, the company used by the environmental protection agency.

Third party licensed transport companies are utilised to move waste to the pre-approved waste disposal facility for composting.

Fluids Separator Unit



The Fluids Separator unit is placed under a rigs shakers and provides a holding tank where drill cuttings and fluids can settle, making it possible to retrieve usable and often expensive fluids for recirculation. The tanks integrated PM loading arm can then perform fast loading of bulk transport containers.

This unit reduces disposal costs by allowing separation of fluids and cuttings. The integrated PM arm means there are no additional space requirements for handling equipment, whilst its clamshell bucket reduces the environmental risks imposed by spillages.

The Fluids Separation Unit can also be used in conjunction with the Cuttings Reduction Unit

FEATURES

- 15kw AC motor power pack (ZONE 2)
- Electric Hydraulic loading arm PM15543
- 10 Metre reach and 14.0 Tonne/Metre capability
- 500 litre clamshell bucket
- Certified to 1.5 x weight over 4 lifting eyes mounted inside the tank

Cuttings Reduction Unit



The cuttings reduction unit decreases the size of waste cuttings, enabling suspension in a fluid for safe disposal by road tanker. During operation of the unit, cuttings are moved through the hopper by a screw conveyor towards two centrifugal pumps. These pumps reduce the size of the cuttings and mix them with the fluid. This mixture is then circulated, via internal pipes, back through the system until suspension is achieved. The contents can then be discharged directly onto a road tanker.

Advantages

- Considerably reduces the risk of on-site spillage due to loading.
- Eliminates risk of spillage during transport
- Decreases tanker loading time due to the fluid nature of the waste and the increased height of the units' discharge valve.
- Avoids extra disposal costs by using waste fluids for suspension mixture

Horizontal Cylindrical Tanks



Our horizontal cylindrical tanks have a capacity range of 22,000 to 81,000 ltrs (140-510 bbls) and a length range of 5.5m to 15m. They are suitable for most fluids but are not for potable water. Several are G.R.P. lined.

All our horizontal cylindrical tanks are fitted with full length skids for stability on uneven ground.

Most of our tanks inlets feed along a pipe to the rear of the tank ensuring full circulation.

The tanks are LOLER certified to 1.5 x their weight over four lifting eyes mounted on the skids but may be lifted by a large forklift via the built-in tine socks.

Couplings and fittings can be altered to the clients' specifications but come with 4" Bauer couplings as standard.

Open-Topped Tanks



These tanks are for the containment of solids and/or fluids

Capacity range of 11,000 to 36,000 ltrs (70 to 225 bbls) and a length range of 5m to 10m

These tanks can be supplied with a canopy roof to avoid rainwater contamination.

The tanks are LOLER certified to 1.5 x their weight over four lifting eyes mounted inside the tanks

Self-Bunded Tanks (Diesel containment)



This tank provides an integrated outer skin or bund around the containment tank as required for the safe storage of Diesel and oils.

Capacity 27,500 ltrs (170 bbls)

Full length skids are fitted for stability on uneven ground

The tanks are LOLER certified to 1.5 x their weight over four lifting eyes mounted on the skids

Couplings and fittings can be altered to the clients' specifications but come with 4" Bauer couplings as standard.

I.B.C.s



I.B.C.s (Intermediate Bulk Containers) are a popular storage solution when smaller volumes of fluid are needed and/or they are being moved frequently.

These containers are made from moulded plastic protected by metal cages and are suitable for a wide range of non-corrosive fluids. The bases are made of hard plastic or metal for transportation on forklifts and can be moved whilst full.

Our IBCs are fitted with taps with S60 threads.

Capacity is 1,000 ltrs (6 bbls)

Our Services

- Personnel and equipment for onsite handling of the waste streams
- Licensed third party transport of waste streams to licensed disposal points
- Disposal of water and low toxicity based cuttings and fluids to soil conditioning/composting facilities
- Provision and delivery of drill and shower water
- Hazardous Waste disposal (engine oil, oiled rags, filters etc)
- Septic Waste Disposal
- General Waste Disposal
- Sealed skips for excess cement disposal
- Tank cleaning
- Site Clean-up and Remediation
- Hire of pumps, jet washers, compressors, hoses, excavators, forklifts etc.



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