Job Summary:

The Fluids and Waste Management – Solids Control Specialist (Level 2) must achieve an intermediate to advanced level of knowledge, and is directly responsible for safely and efficiently managing the operation of Solids Control equipment required at the wellsite. At this level the employee has an in depth understanding of how drilling fluids and waste management systems influence each other, and the employee may be capable of performing advanced troubleshooting on core technologies (i.e. shale shakers, centrifuges, solids control pumps, and screw conveyors).

Relationships:

Reports to the Location, Field Service Manager, or District Manager and is directly responsible for managing all operations and less experienced Solids Control personnel on-the-job. At this level the employee may still perform his/her duties on-the-job under the direct supervision of a more experienced Solids Control Specialist, if specialized Solids Control technologies are utilized.

Essential Responsibilities and Duties:

Quality & HSE

- Complies with all company and regulatory Quality, HSE and IT standards and policies
- Wears all Personal Protective Equipment (PPE) as required and maintains required Quality & HSE certifications up-to-date
- Takes proactive measures to eliminate safety hazards by performing an appropriate Risk Analysis (i.e. JSA) before each job or task

General Drilling Concepts

- Knowledgeable regarding drilling rig types, rig components, rig component functions, drilling operations (i.e. drilling, tripping pipe, running casing, cementing, completions, etc.) and the drilling fluids circulation system
- Knowledgeable regarding the drilling fluid system (i.e. drilling mud, it’s components, and each components function), the impact of low gravity solids (LGS), and primary techniques and systems used for drilling waste management
Electrical
- Adheres to Electrical Safety Guidelines & Lock Out/Tag Out procedures
- Able to explain proper grounding techniques and the risks associated with wiring motors for high and low voltage for electrical equipment
- Able to assist with basic troubleshooting of electrical circuitry in order to maintain equipment in operational condition

Reporting & Testing
- Collects and validates all critical data required to complete daily reports
- Able to monitor, report and maintain appropriate inventory at the wellsite
- Able to perform fundamental drilling fluid testing and able to properly calibrate testing equipment as necessary
- Able to track and manage discharge volumes (i.e. skips, ISOs, etc.)

Products & Services
- Adheres to all safely requirements during installation & operation of equipment
- Able to safely perform startup & shutdown of all local Solids Control equipment listed but not limited to (i.e. shale shakers, hydrocyclones, centrifuges, solids control pumps, screw conveyors, etc.)
- Able to perform a shale shaker system installation without supervision as well as perform all shale shaker adjustments (i.e. deck angle, fluid coverage, motion type, fluid distribution, angle of inclination, cleaning practices, etc.) used to optimize the operational efficiency of the equipment
- Able to properly maintain, change and/or repair oilfield screens on-the-job as well as identify different screen failure types
- Able to properly explain API screen classifications and make appropriate screen recommendations based on the customer’s needs
- Knowledgeable regarding hydrocyclone equipment properties (i.e. GPM per cone, feet of head required, unit labels, etc.)
- Knowledgeable regarding centrifuge equipment properties (i.e. G-Force, differential, GPM maximum, etc.)
- Able to perform all primary centrifuge calculations (i.e. G-Force, differential, discharge rate, weight differential and retention time)
- Knowledgeable regarding the centrifuge operation when using weighted or un-weighted drilling fluid, and the impact on the drilling fluid system when centrifuge adjustments are performed
• Able to perform a solids control pump installation without supervision and knowledgeable regarding solids control pump equipment properties (i.e. GPM, power required, drive type, etc.)
• Knowledgeable regarding screw conveyor equipment properties (i.e. tons per hour / capacities, etc.)
• Able to properly troubleshoot a screw conveyor without supervision
• Need to be competent in cuttings collection equipment, operations, and safety.
• Able to troubleshoot equipment in cuttings collection operations.
• Able to operate and trouble shoot Verti-G Dryer equipment (i.e. g-force, differential, tons per hour maximum, etc.)
• Able to operate and trouble shoot Vacuum Systems equipment (i.e. maximum hg & temperature, system requirements, proper operations, etc.)
• Able to make all necessary adjustments needed for changes in drilling operations (i.e. sweeps, spud in, etc.)
• Able to calculate Retention On Cuttings (ROC) by dry or wet weight
• Able to explain and perform spill response procedures if required

Previous Experience and Competencies:

Education:  High School diploma or equivalent

Experience:  Education as defined and/or equivalent military technical training

Behavior:

Our Mindset:  Commitment, Integrity, Drive & Teamwork

• Professional work ethic
• Responsible
• Self-motivated
• Effective Communication
• Service focused
• Thinks creatively
• Takes initiative
• Adaptable
• Results focused

Work Environment:
The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this Job, the employee is regularly exposed to wet or humid conditions (non-weather); work near moving mechanical parts and outdoor weather conditions
- The employee is frequently exposed to extreme heat (non-weather)
- The employee is occasionally exposed to work in high, precarious places; fumes or airborne particles; toxic or caustic chemicals; risk of electrical shock; risk of radiation and vibration
- The noise level in the work environment is usually loud

Acknowledgement

I confirm that I have read and understood the above job description and accept the duties/responsibilities assigned and accept that the aforementioned may change at any time.

Employee Signature:  

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Manager/Supervisor Signature:  

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Date:  

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Disclaimer

The above information on this description has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees assigned to this job.