

## DXC Geological Safety Observation Cards

Date	Observer	Client / Operator	Rig / Platform	Area / Location	Observation	Discussion / Feedback
03-Jun-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit / Shaker House	Potential for cuttings sample board to come dislodged and fall into auger system.	Discussed with the Mudloggers and Sample Catchers to check and ensure that the cuttings board cannot fall into the auger system as this had done so in the past. The auger system is a single point of failure so it's security needs to be ensured.
01-Jun-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit	Mud line detached from gas equipment in shaker house.	Held a follow up discussion with Mudloggers regarding the detachment of mud hose from gas equipment in shaker house and small spill of OBM on the deck. This was quickly brought to the attention of the Mudloggers by Stena personnel and the OBM cleaned up. The hose detached due to a larger and heavier hose being placed upon it. Equipment was subsequently checked to make sure all secure.
25-May-20	Darren Clark	EnQuest	Stena Don	Main Deck	Securing boxed cuttings samples on pallets in container ready for backload to the supply vessel.	Deck crew provided ratchet straps and took the time to advise on the correct use of the straps and where and how to tie down the cargo securely in the container prior to backload. Thanked the deck crew for their help.
24-May-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit	Chemical dropper bottle was incorrectly labelled HCl instead of Isopropanol.	Asked mudlogger to correctly label bottle so as not to cause future confusion. This was done quickly and as requested.
07-May-20	Darren Clark	EnQuest	Stena Don	Heliadmin	Whilst undertaking safety equipment checks prior to return flight onshore it was noted that the lifejacket air cylinder was depleted and pressure gauge indicator in the red zone.	Informed the rig HSE advisor of the lifejacket indicator. The lifejacket was immediately replaced.
05-May-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit	Good to see the Mudloggers taking the time to clean the unit and in particular the floor as this can get very contaminated with oil based mud and being a high traffic area during drilling operations can become a slip hazard.	Commended the personnel for a job well done.
03-Apr-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit	Discussed with the Mudloggers/Sample Catchers the correct way to stack, load and secure the cuttings sample boxes in the shipping container ready for transport onshore. Explained my previous experience of incorrectly stacked and secured sample boxes.	Mudloggers agreed with how to go about stacking and securing the cuttings sample boxes and would ask me to check the container once this had been done before backloading.
27-Mar-20	Darren Clark	EnQuest	Stena Don	Mudlogging Unit	Discussed with the Mudlogging Sample Catchers the importance of monitoring for potential cavings whilst drilling the extended 12-1/2" x 13-1/2" hole section. Explained the use and reason of the hourly cuttings / cavings board.	Mudloggers were in agreement and would pass on any relevant information and signs of cavings to the DSV and WSG during drilling the hole section.
03-Mar-20	Darren Clark	EnQuest	Magnus	Well Services Office	Observed an excellent, thorough and very detailed pre job brief between the Well Services Supervisor and the Altus crew covering all aspect of upcoming operations and safety. Particularly good to see everything was highlighted clearly and consisely with a green hand new to working offshore.	Commended the Well Services Supervisor for carrying out such a good detailed bried with the crew.
27-Feb-20	Darren Clark	EnQuest	Magnus	Top Deck	Man struggling to move pallet lifter with equipment through doorway.	Took the time to help the man.
10-Dec-19	Darren Clark	EnQuest	Magnus	Mudlogging Unit	Good discussion held with the Baker Hughes ARTE Engineer about trends in connection gasses and background gas levels and the relationship between them.	Thanked the Engineer for taking the time to discuss the connection gasses and asked him to keep a close eye on them and continue to notify myself and the DSV of any concerns.
04-Dec-19	Darren Clark	EnQuest	Magnus	Mudlogging Unit	Discussed with the Baker Hughes dayshift and nightshift mudloggers the need to use suitable PPE when collecting samples during milling operations due to the presence of swarf in the returns.	Mudlogger agreed to wear suitable gloves and that he would take care and not handle the swarf directly.

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29-Sep-19	Darren Clark	Cairn Energy	Stena Don	Mudlogging Unit	Geolog Tech took the time to show me around all the Mudlogging equipment and sensors, visiting shaker house, pit room and pump room. All equipment looked to be in good working order and all areas visited around the rig appear to be kept in a very clean and tidy state with good housekeeping observed throughout.	Thanked the man for him taking time out to show me around the equipment and areas.
28-Sep-19	Darren Clark	Cairn Energy	Stena Don	Heliport	Extremely good check by personnel of flight safety equipment, survival suit, lifejackets and EBS of all passengers following safety video. There was a similar attention to detail at Sumburgh Airport the previous day when the flight was delayed and re-routed.	Continue to keep up the vigilance with the flight safety equipment.
19-Jul-19	Darren Clark	Anasuria	Stena Spey	Main Deck	Broken/used yellow tie wrap found on main deck walkway. Poor housekeeping.	Picked up and disposed of in waste bin.
14-Jul-19	Darren Clark	Anasuria	Stena Spey	Mudlogging Unit	Good housekeeping from the Halliburton Mudloggers, clearing and cleaning the sample preparation area ready for drilling the next hole section.	Commended personnel for the good housekeeping and encouraged them to keep it up.
13-Jul-19	Darren Clark	Anasuria	Stena Spey	Mudlogging Unit	Chemical dropper bottles not clearly marked/labelled up with contents.	Took the time to re-mark all the bottles with marker pen.
10-Jul-19	Darren Clark	Anasuria	Stena Spey	Heliadmin	Helicopter flight suit left overnight in heli-admin following cancellation of flight due to weather. Suit should have been returned to owners cabin and placed in grab-bag as it is a piece of safety equipment.	Brought to the attention of the rig HSE advisor.
4-Jul-19	Darren Clark	Anasuria	Stena Spey	Level 3 Deck Area	Waste plastic packing/wrapping material disgarded and blowing around deck in wind and caught/wrapped around metal I-beam.	Observer collected the tangled plastic rubbish and disposed of in waste bin.
2-Jul-19	Darren Clark	Anasuria	Stena Spey	Mudlogging Unit	Observed man putting on double glove protection for cuttings sample collection and preparation. The inner gloves being used were disposed of following each use so as not to transfer chemical contaminants to the skin.	Commended man on taking the time to use double protection when working with samples contaminated with OBM and checked that there was sufficient supplies of gloves for use.
1-Mar-19	Darren Clark	EnQuest	Transocean Leader	Boot Locker Room	Locker door unsecured and swinging at head height due to rig motion. Potential for someone to be struck.	Observer closed and latched locker securely shut.
9-Feb-19	Darren Clark	EnQuest	Transocean Leader	Accomodation	Water spillage observed on floor infront of sink at tea station. Potential slip hazard.	Observer cleaned up the spillage with paper towels and made the area safe.
15-Dec-18	Darren Clark	EnQuest	Transocean Leader	Accomodation	Man observed descending the stairs with shoe lace untied and trailing behind.	Informed man that his shoe lace was untied and the potential trip and fall hazard. Man tied shoe lace correctly before proceeding.
29-Oct-18	Darren Clark	Azinor	Transocean Leader	Accomodation	Water spillage observed on accomodation floor near top of stairwell on level three leaving a potential slip and fall hazard.	Observer cleaned up the spillage with paper towels and made the area safe.
15-Jun-18	Darren Clark	EnQuest	Magnus	Module 15	Have noticed that quite often the double airlock doors are both left incorrectly closed and latched. Not only does this compromise the positive pressure but also creates a safety hazard as when one door is opened the pressure difference causes the second door to swing rapidly open which could contact or hit someone that may be approaching in the opposite direction. This is also compounded due to inclement weather conditions.	Observer made sure doors were correctly closed when found in this condition. Highlight and bring to the attention of all onboard the requirement to make sure doors are shut correctly when passing through them.

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5-Jun-18	Darren Clark	EnQuest	Magnus	Mudlogging Unit	Discussed with the Baker Hughes Mudlogger the need to use suitable PPE when collecting samples during milling the 9-5/8" casing due to the presence of swarf in the returns. Asked that this message be passed on to the nightshift at crewchange handover.	Mudlogger agreed to wear suitable gloves and that he would take care and not handle the swarf directly.
31-May-18	Darren Clark	EnQuest	Magnus	Mudlogging Unit	Observed man cutting and making up new ethernet cable terminals in logging unit. Man used correct tools for the job, including crimping tool and selecting snips rather than attempting to use an open bladed knife to remove the cable shielding.	Commended man on taking the time to use the correct tools for the task rather than taking the easier and less safe option.
6-May-18	Darren Clark	INEOS	Ensco 121	Mudlogging Unit	Mudlogger wanted to leave the unit unattended to catch a sample whilst the Data Engineer was away.	Discussed with the Mudlogger that she should not leave the unit unattended and that the sample should be missed as well control was more important whilst drilling the reservoir. Mudlogger stated this had been acceptable for other operators however I said that this was not the case when working for INEOS. Mudlogger agreed and understood the reasoning and would mark sample bags as missed accordingly.
26-Apr-18	Darren Clark	INEOS	Ensco 121	Main Deck	Whilst traversing the main deck, stopped at the side of the walkway whilst crew moved a cuttings skip.	Crewmember came across and told me that it was safe to continue to pass the worksite using the walkway.
24-Apr-18	Darren Clark	INEOS	Ensco 121	Gymnasium	Floor drain cover just inside the door to the gymnasium was observed to be bubbling up foul smelling water and leaving a significant wet area on the floor which was a potential slip hazard.	The observer took ownership, the area was cleaned up and a yellow wet floor sign put in place before contacting the OIM who in turn contacted the rig mechanic to look into the drain issue. The drain itself is poorly located being just inside the door so maybe something should be put in place to cover this such as a non-slip mat?
2-Mar-18	Darren Clark	EnQuest	Magnus	Accomodation	Level 3 door to accomodation, which is a pressurised area and safe refuge, was left open.	Observer closed the door.
23-Feb-18	Darren Clark	EnQuest	Magnus	Mudlogging Unit	No chemical dropper bottles provided in the Mudlogging Unit for handling chemicals such as HCl etc. Only a makeshift bottle and pippette was available which is unsatisfactory.	Observer requested that the mudlogging crew order and the correct dropper bottles be sent out to the unit/rig from their shore base. This was also brought up with the Operations Geologist who in turn brought it up with Baker Hughes.