

Bijlage 4 - PGS 15 gap-analyse Shelf Drilling Winner d.d. 1 juli 2026

Behorende bij de aanvraag van de omgevingsvergunning L09-FA-1, sidetrack boring L09-FA-105

Toelichting:

Ter ondersteuning van de aanvraag voor de omgevingsvergunning met betrekking tot de opslag van gevaarlijke stoffen (inclusief gasflessen en verpakte gevaarlijke stoffen), informeren wij u graag over de naleving van de Publicatiereeks Gevaarlijke Stoffen (PGS) 15, versie januari 2025

Voor de beoordeling en de naleving van de voorschriften hebben wij de PGS 15, versie januari 2025 (meest recente) geraadpleegd. Deze richtlijn stelt eisen voor de veilige opslag van gevaarlijke stoffen, waarbij onder andere wordt gekeken naar afstandsnormen, brandwerendheid, stabiliteit van de opslagfaciliteiten en het voorkomen van risico's van interacties tussen verschillende stoffen.

Gezien de beperkte beschikbare ruimte kunnen de afstandsnormen tussen verschillende typen opslag niet in alle gevallen volledig worden nageleefd. Desondanks zijn er adequate maatregelen getroffen om de veiligheid te waarborgen. Zo worden onverenigbare stoffen strikt van elkaar gescheiden opgeslagen. Opslagruimten zijn voorzien van scheepsdeuren met hoge drempels en de wanden hebben een brandwerendheid van 60 minuten (A-class division), waardoor branddoorslag naar aangrenzende compartimenten wordt voorkomen.

Op de Shelf Drilling Winner zijn automatische en handbediende blusmiddelen aanwezig, die speciaal zijn toegerust op de types stoffen die in de opslagruimten zijn ondergebracht. Deze veiligheidsvoorzieningen zorgen voor een afdoende veilige opslag van verpakte gevaarlijke stoffen inclusief de opslag van gasflessen conform de eisen van de PGS 15.

De ADR Klasse 3 gevaarlijke stoffen, diesel en helikopterbrandstof vallen onder PGS 30 omdat deze stoffen in bovengrondse tanks zijn opgeslagen.

De opslagfaciliteiten voldoen aan de voorschriften zoals beschreven in de PGS 15, versie januari 2025, en houden rekening met de noodzakelijke veiligheidsmaatregelen.

PGS 15 beoordeling van offshore drilling rig Shelf Drilling Winner

Nummer maatregel	Inhoud	Oordeel
M1	Algemene opslagvoorziening	Opslag vindt plaats op het dek in daarvoor bestemde opslag containers. opslag containers staan los zonder draagconstructie voor bovenliggende of onderliggende bouwconstructies
M7	Binnen opslag gasflessen tot 250 liter	Niet van toepassing, opslag vindt buiten plaats. In de werkplaats zijn alleen werkhoeveelheden aanwezig.
M21	Weerstand tegen branddoorslag en brandoverslag (Wbdbo)	Niet van toepassing. Er geldt geen Wbdbo-eis voor een opslag waar uitsluitend onbrandbare of niet brandonderhoudende stoffen verpakte gevaarlijke stoffen worden opgeslagen van ADR-klasse 8, verpakkingsgroep II of III, en/of ADR-klasse 9 indien ≤ 10000 kg.
M22	Opslag van gasflessen tegen een gevelwand	Niet van toepassing. Opslag koudemiddel gasflessen vindt plaats in een gekoelde locker (SDW-060)
M24	Brandwerendheid draagconstructie gelijk aan Wbdbo waarde compartiment	Niet van toepassing.
M25	Brandwerendheid bouwdelen voldoen aan NEN 6069	Niet van toepassing. IMO-, MARPOL- en ABS-regels/eisen zijn van toepassing voor de constructie van Offshore drilling rigs.
M26	Draagconstructie wand en dak opslagvoorzieningen voldoet aan brandklasse 2 of gelijkwaardig (10 mm A1 afdekking)	Niet van toepassing. IMO-, MARPOL- en ABS-regels/eisen zijn van toepassing voor de constructie van Offshore drilling rigs.
M28	Eisen aan ondergrond (tank)containers	Voldoet. Staal kan volgens NEN 6064 worden geclassificeerd als onbrandbaar, mits het niet is bekleed met een brandbare coating of isolatie.
M35	Scheiding onverenigbare stoffen	Offshore richtlijnen specificeren opslag via IMO/ABS-voorschriften, die andere scheidingsprincipes hanteren.
M37	Gasflessen met dezelfde gevaar eigenschappen worden gegroepeerd opgeslagen	Gasflessen worden per gevaar eigenschap opgeslagen.

M54	Opslagwijze van gasflessen	Voldoet. gasflessen altijd staand opslaan (niet stapelen).
M90	Brandwerendheid (Wbo) op basis van afstand	Niet van toepassing. Zie M21.
M91	Warmte aanstraling gasflessen buiten opslag.	Niet van toepassing.
M150	Scheiding ADR-3 van andere klassen	Aparte containers, scheidingswanden
M147/155/160	Totaal max grenzen voor opslag	Systematiek per zone & onder toezicht
Basismaatregelen (M2, M52, etc.)	Verpakking, stapelen, inspectie, lekbakken	Lekbakken, training personeel

Overzicht opslag gevaarlijke stoffen per locatie (PGS15)

Storage location	Function	ADR-Classes	Packaging Group	Maximum Quantity
SDW-051 HPU Skid House	Lubricants and maintenance chemicals	2.1, 2.2, 3, 8	II / III (indien van toepassing)	2,070 litres (lubricating oils and liquid chemicals) 2,540 kg (Greases, lubricants and compounds)
SDW-052 Paint Locker	Paints and solvents	3	II / III	6000 litres
SDW-058 Sack Store	Chemical storage	3, 8, 9	II / III	50.000 kg (Chemicals) 1,530 litres (Liquids / water treatment chemicals)
SDW-059 Chiller Room (chemicals)	Maintenance products	8	II / III	850 litres
SDW-061 Main Warehouse	Central storage	2, 3, 8, 9	II / III	304 litres (Liquids, aerosols, adhesives and sealants) 45 kg (Greases, pastes, compounds and fillers)
SDW-062 Drill Floor	Working stock	2, 3	II / III	4 litres (Spray cans) 15 kg (Greases)
SDW-063 Mud Pump Room	Lubricants	2, 9	III	5 litres (Liquids, aerosols and cleaners) 10 kg (Greases, compounds and lubricants)
SDW-064 BOP Ram Storage	Maintenance products	2	III	6 litres (Liquids, aerosols, lubricants and sealants) 10 kg (Greases, compounds and lubricants)

Overzicht opslag gevaarlijke stoffen in tanks en opslag chemicaliën



Shelf Drilling Winner



Tank List

Tank Number	Tank Type	Location	Maximum Capacity and Unit of Measurement (e.g. M³ etc.)
SDW-001	No. 1 Engine lube oil storage tank	Engine room	2.74m³
SDW-002	No. 2 Engine lube oil storage tank	Engine room	2.74m³
SDW-003	Diesel oil settling tank	Engine room	13.88m³
SDW-004	Diesel oil day tank 1	Engine room	20.8m³
SDW-005	Diesel oil day tank 2	Engine room	20.8m³
SDW-006	Diesel oil storage tank 11P	Engine room	381.24m³
SDW-007	Diesel oil storage tank 11S	Engine room	381.24m³
SDW-008	Mud pump lube oil storage tank	Mud pump room	1.5m³
SDW-009	HPU reservoir hydraulic oil	Rig floor drawworks Deck	5.7m³
SDW-010	Dirty (waste) oil tank	Engine room	12.05m³
SDW-011	Bilge (waste) holding tank	Engine room	12.05m³
SDW-012	Contaminated drain tank port	Main deck	19.35m³
SDW-013	Contaminated drain tank starboard	Main deck	19.35m³
SDW-014	Skimmer tank cantilever	Upper shaker house	20m³
SDW-015	Trip tank 1	Lower shaker house	9.69m³
SDW-016	Trip tank 2	Lower shaker house	9.69m³
SDW-017	Sand traps	Upper shaker house	72.5m³
SDW-018	Halliburton diesel oil tank	Lower cantilever	0.7m³
SDW-019	Mud pits	Pit room	668.34m³
SDW-020	Reserve mud pits	Reserve pit room (starboard & port)	528.9m³

Hazardous Storage

Area Number	Area Description and Substance	Quantity and storage type
SDW-051	Chemical storage in HPU skidding room	Chemical inventory HPU tab
SDW-052	Paint locker	Chemical inventory Paint Locker tab
SDW-053	Chemical storage gumbo shakers	Chemical inventory Gumbo shakers tab
SDW-054	Welder's workshop	Nitrogen, Acetylene, Oxygen bottles
SDW-055	Radio-active source laydown area	Room for radioactive banker
SDW-056	Explosives laydown area	Room for explosives container
SDW-057	Jacking control room	12x Red parachute signal rockets
SDW-058	Sack store area	Chemical inventory Sack store tab
SDW-059	Chiller room	Chemical inventory Chiller room tab
SDW-060	Chiller room	Chemical inventory Chiller room tab
SDW-061	Main warehouse	Chemical inventory Stores tab
SDW-062	Drillfloor area	Chemical inventory Rig floor tab
SDW-063	Mud pump room	Chemical inventory Pump Room tab
SDW-064	BOP ram storage area	Chemical inventory ram storage tab

Tank List

Hazardous Storage

Private and Confidential 2

Aanvullende informatie betreffende de opslag van gevaarlijke stoffen per opslagtank, inclusief de specifieke locatie.



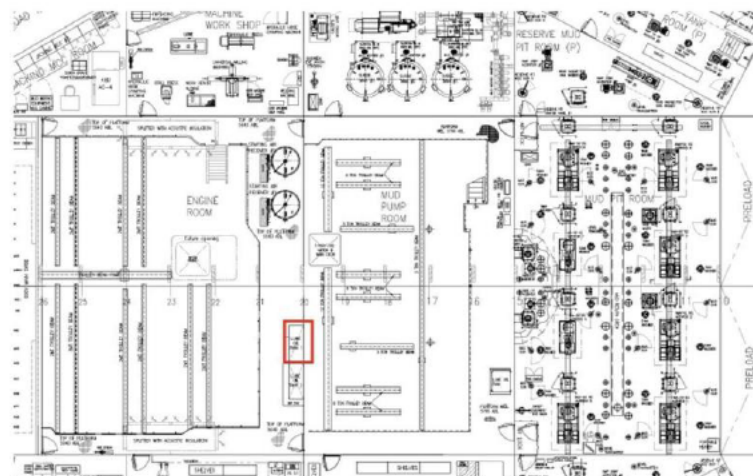
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-001	No. 1 Engine lube oil storage tank.



Tank storage name:	Engine lube oil tank #1.
Max Capacity	2.74m3.
Stored Material	Engine lube oil Rubia TIR 7400.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual only.
Users:	Main rig diesel engine generators.
User supervisor:	Mechanic, Maintenance Planner
Use intensity:	Weekly, monthly.
Tank Location:	Engine room.

Highlighted Storage/ Area Location on Rig Map





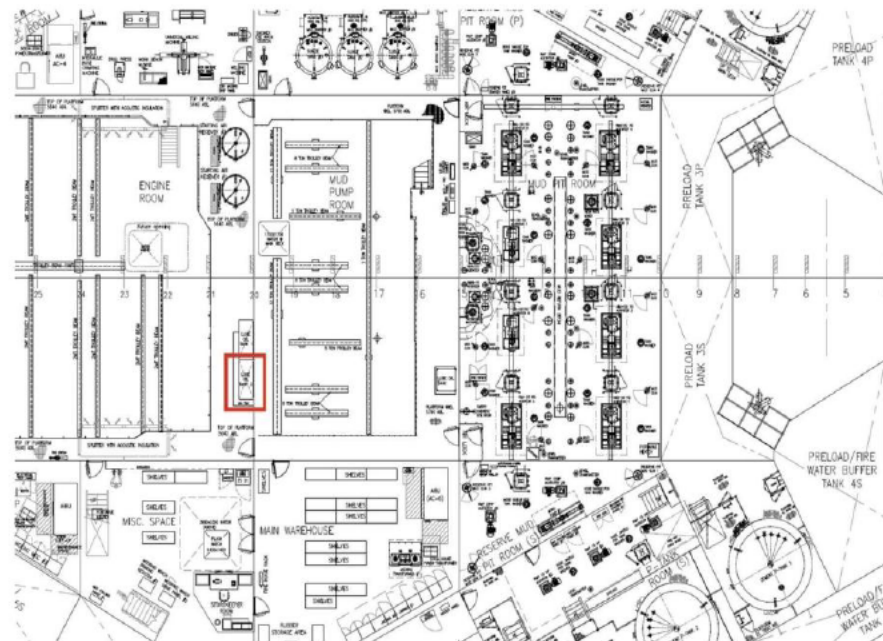
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-002	No. 2 Engine lube oil storage tank.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Engine lube oil tank #2.
Max Capacity	2.74m3.
Stored Material	Engine lube oil.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual only.
Users:	Main rig diesel engine generators.
User supervisor:	Mechanic, Maintenance planner.
Use intendency:	Weekly, monthly.
Tank Location:	Engine room.



Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-008	Mud pump lube oil storage tank.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Mud pump lube oil storage tank.
Max Capacity	1.5m3.
Stored Material	Mud pump lube oil Total Carter EP 320.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual only.
Users:	Mud Pumps.
User supervisor:	Mechanic, Maintenance Planner.
Use intendency:	Weekly, monthly.
Tank Location:	Mud pump room.



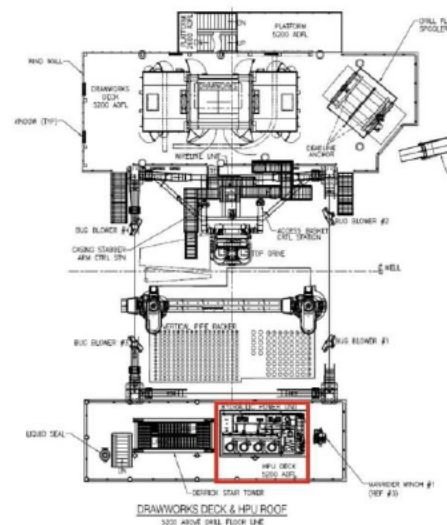
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-009	HPU reservoir hydraulic oil.



Tank storage name:	HPU reservoir hydraulic oil.
Max Capacity	5.7 m3.
Stored Material	Hydraulic oil Total Equivis ZS 46.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Drillfloor drilling equipment.
User supervisor:	Mechanics, Maintenance Planner, Drilling Planner.
Use intendency:	Daily, weekly, monthly.
Tank Location:	Rig floor-Drawworks Deck.

Highlighted Storage/ Area Location on Rig Map



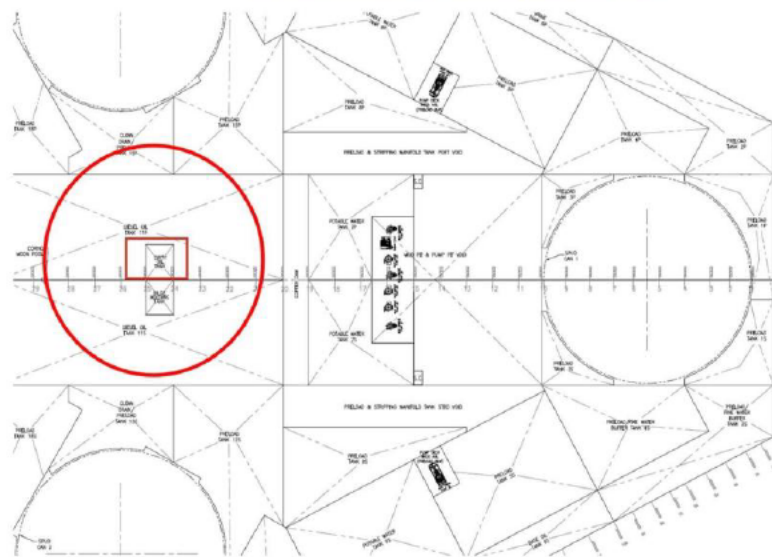
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-010	Dirty (waste) oil tank.



Tank storage name:	Dirty (waste) oil tank.
Max Capacity	12.05m3.
Stored Material	Used engine lube oils and hydraulic oils.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Collecting tank for waste oil.
User supervisor:	Mechanic, Maintenance Planner.
Use intendency:	Daily, weekly, monthly.
Tank Location:	Engine room.

Highlighted Storage/ Area Location on Rig Map



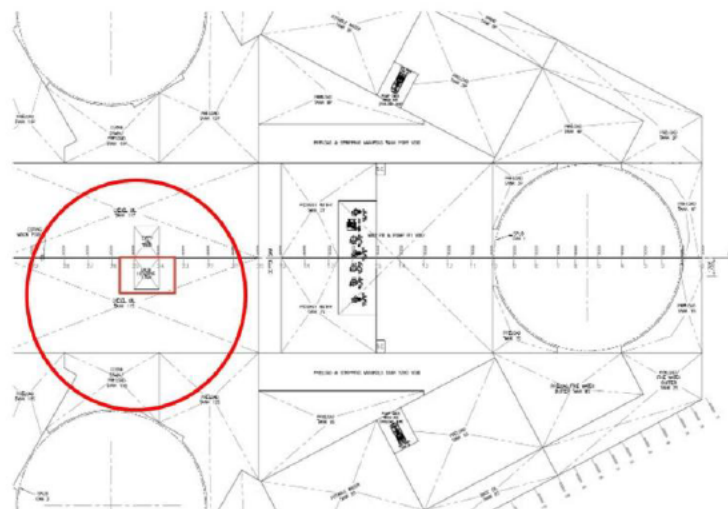
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-011	Bilge (waste) holding tank.



Tank storage name:	Bilge (waste) holding tank.
Max Capacity	12.05m ³ .
Stored Material	Oily water.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for all waste machinery water.
User supervisor:	Mechanic, Maintenance Planner.
Use intendency:	Daily, weekly, monthly.
Tank Location:	Engine room.

Highlighted Storage/ Area Location on Rig Map



Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-012	Contaminated drain tank port.



Tank storage name:	Contaminated drain tank port.
Max Capacity	19.35m3.
Stored Material	Contaminated wastewater.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for contaminated wastewater.
User supervisor:	Mechanic, Maintenance Planner.
Use intensity:	Daily, weekly, monthly.
Tank Location:	Main deck (port).

Highlighted Storage/ Area Location on Rig Map



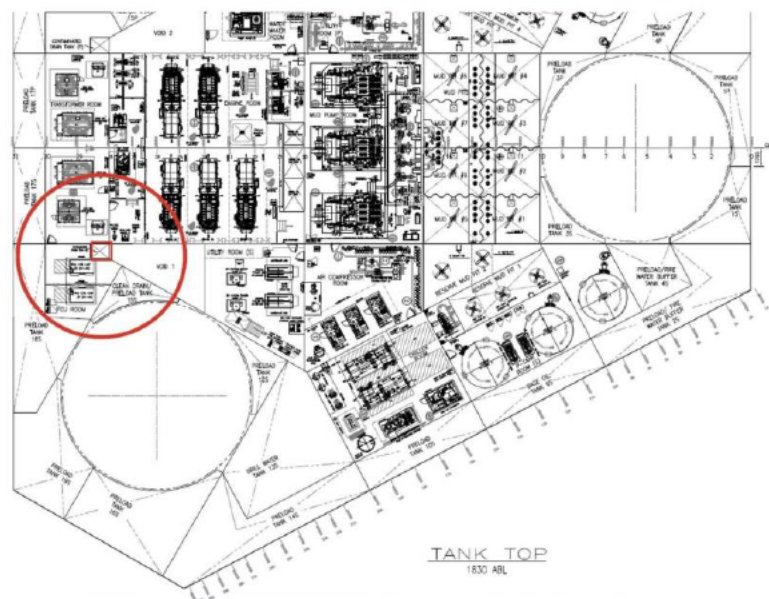
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-013	Contaminated drain tank starboard.



Tank storage name:	Contaminated drain tank starboard.
Max Capacity	19.35m3.
Stored Material	Contaminated wastewater.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for contaminated wastewater.
User supervisor:	Mechanic, Maintenance Planner.
Use intensity:	Daily, weekly, monthly.
Tank Location:	Main deck (starboard).

Highlighted Storage/ Area Location on Rig Map



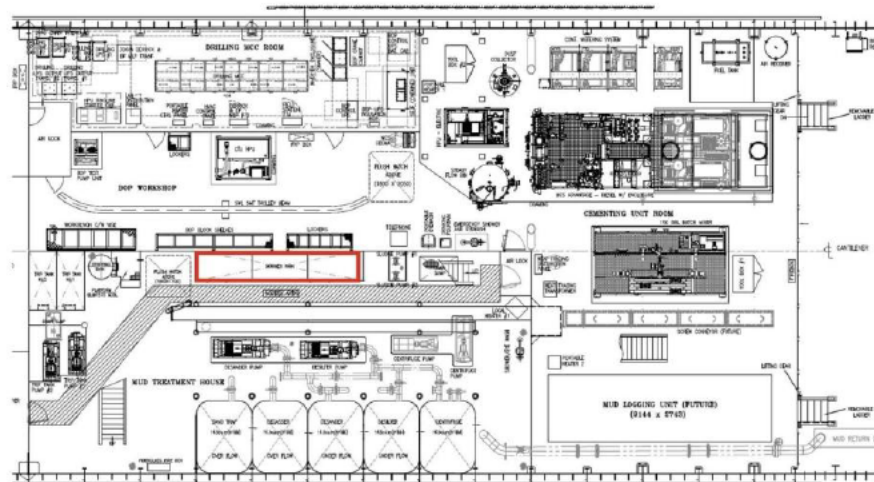
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-014	Skimmer tank cantilever.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Skimmer tank cantilever.
Max Capacity	20m3.
Stored Material	Contaminated wastewater.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for Drillfloor wastewater.
User supervisor:	Drilling Planner.
Use intensity:	Daily.
Tank Location:	Upper shaker house.



CANTILEVER CELLAR DECK
(100% ABOVE CANTILEVER BASE LINE)

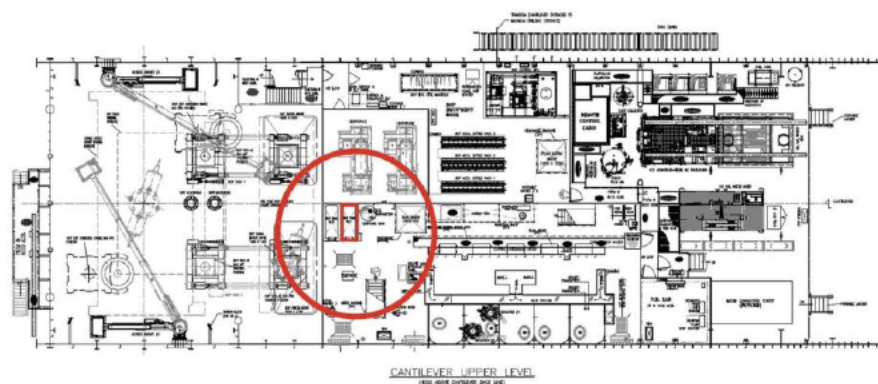
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-015	Trip tank 1.



Tank storage name:	Trip tank #1.
Max Capacity	9.68m3.
Stored Material	Drilling / well fluids.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for drilling / well fluids.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Lower shaker house.

Highlighted Storage/ Area Location on Rig Map



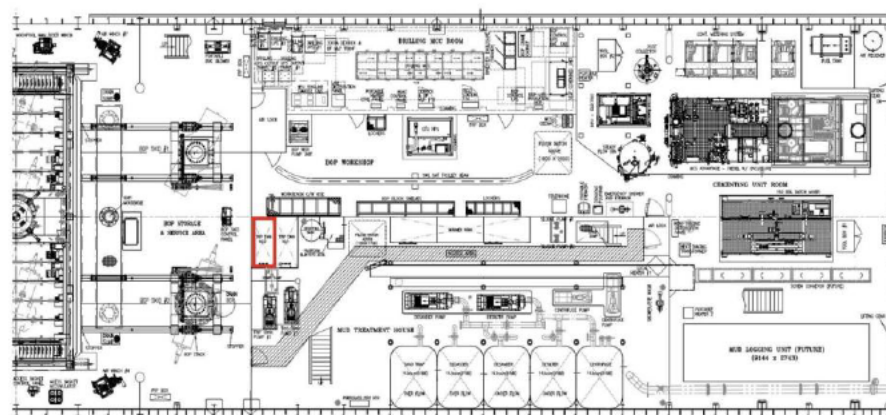
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-016	Trip tank 2.



Tank storage name:	Trip tank #2.
Max Capacity	9.68m3.
Stored Material	Drilling / well fluids.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for drilling / well fluids.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Lower shaker house.

Highlighted Storage/ Area Location on Rig Map



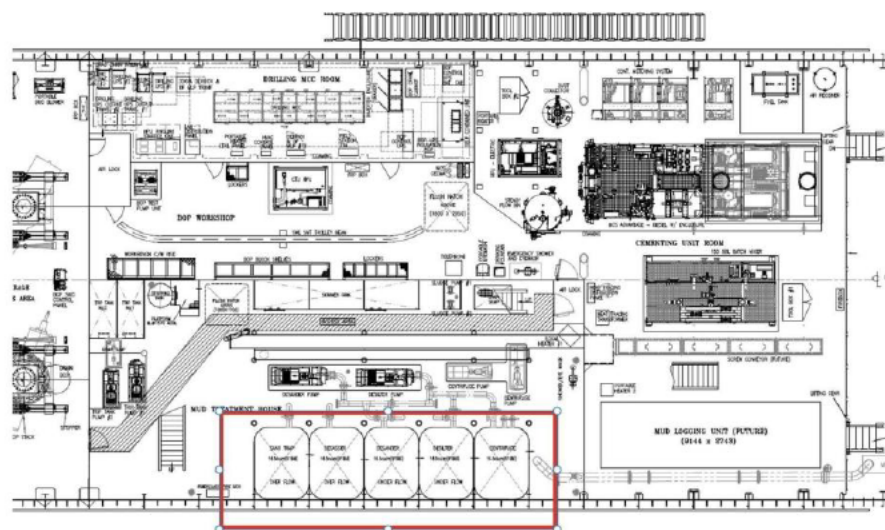
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-017	Sand traps.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Sand traps.
Max Capacity	72.5m ³ .
Stored Material	Drilling / well fluids.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Visual indication only.
Users:	Holding tank for drilling / well fluids.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Upper shaker house.



Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-019	Mud pits.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Mud pits.
Max Capacity	668.34 m3.
Stored Material	Drilling / well fluids.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for drilling / well fluids.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Pit room.



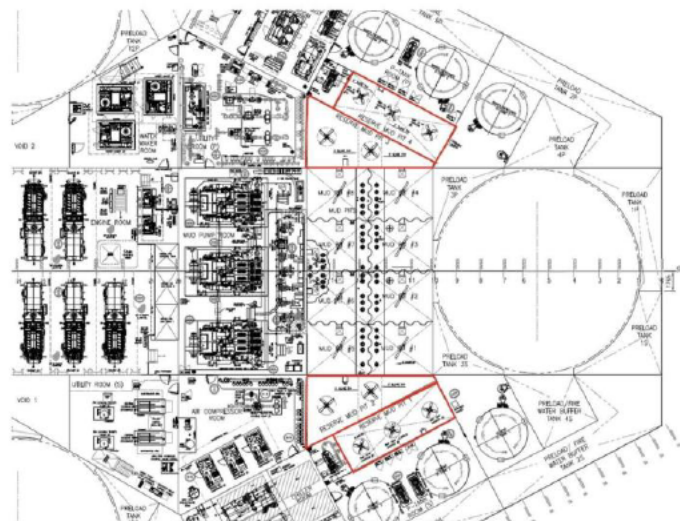
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-020	Reserve mud pits.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Reserve mud pits.
Max Capacity	528.9m3.
Stored Material	Drilling / well fluids.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for drilling / well fluids.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Reserve mud pit rooms.



Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-021	Base oil storage tank.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	6S Base oil storage tank.
Max Capacity	338.89m3.
Stored Material	Base oil.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for base oil storage.
User supervisor:	Drilling Planner.
Use intensity:	Daily.
Tank Location:	Main hull.



Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-022	Brine storage tank.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	6P Brine storage tank.
Max Capacity	351.96m3.
Stored Material	Brine.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Holding tank for brine storage.
User supervisor:	Drilling Planner.
Use intendency:	Daily.
Tank Location:	Main hull.

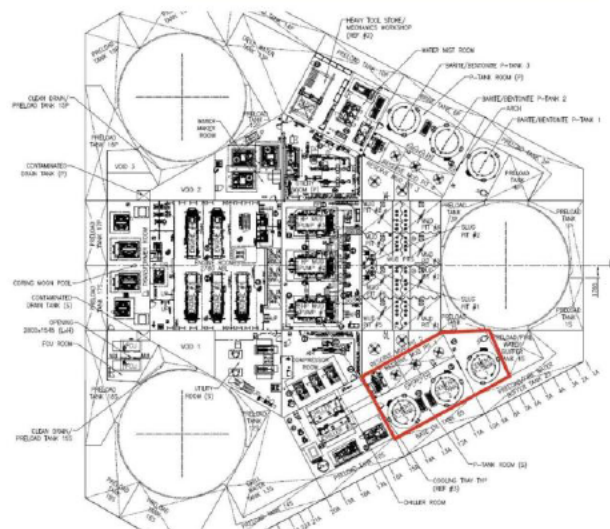


Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-023	Cement silo's.



Highlighted Storage/ Area Location on Rig Map



Tank storage name:	Cement silo' s.
Max Capacity	255m3.
Stored Material	Cement.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Cement unit.
User supervisor:	Marine planner, Drilling planner.
Use intendency:	Weekly.
Tank Location:	Starboard P-Tank room.

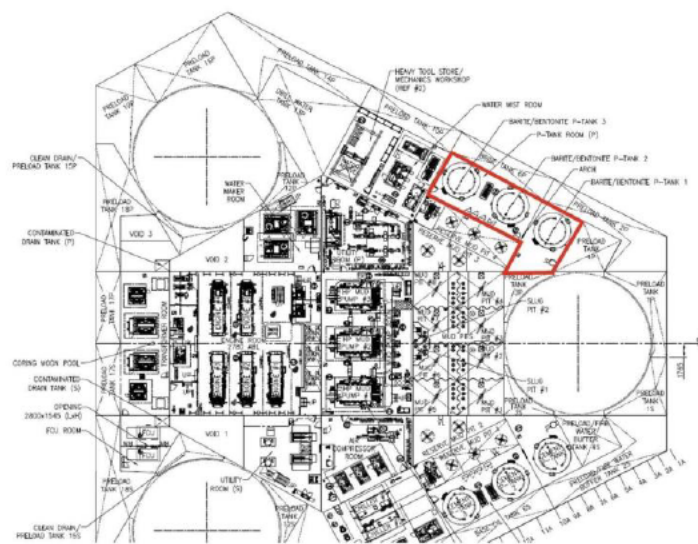
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-024	Bentonite / Barite silo's.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Bentonite / Barite silo's.
Max Capacity	225m3.
Stored Material	Bentonite / Barite.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Mud mixing system.
User supervisor:	Marine planner, Drilling planner.
Use intendency:	Weekly.
Tank Location:	Port P-Tank room.



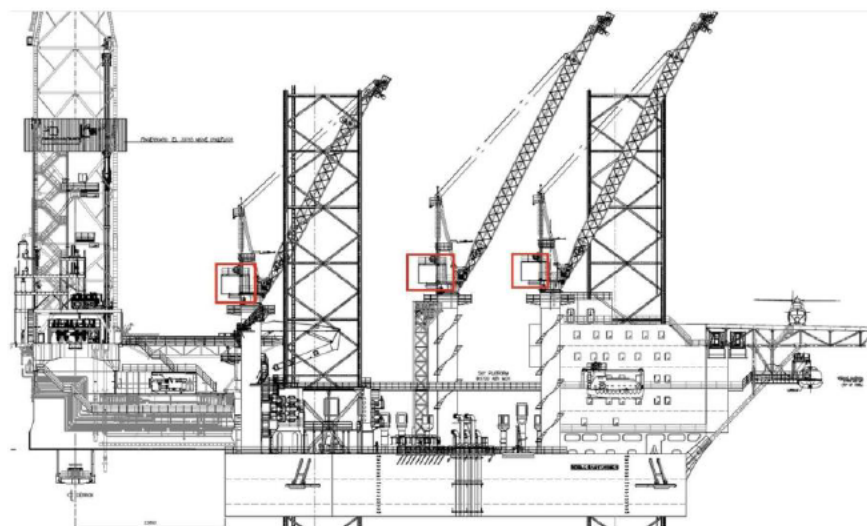
Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-027	Crane Hydraulic reservoirs.



Highlighted Storage/ Area Location on Rig Map

Tank storage name:	Crane Hydraulic reservoirs.
Max Capacity	3 x 1000liters.
Stored Material	Hydraulic oil Total Equivis ZS 46.
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Deck cranes.
User supervisor:	Marine planner, Maintenance planner.
Use intendency:	Daily.
Tank Location:	Main deck.

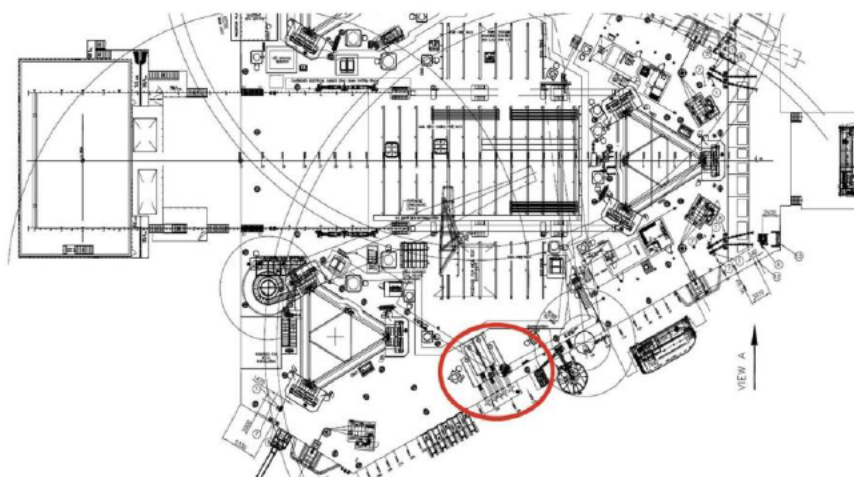


Shelf Drilling Winner Index- Tanks

Tank Number	Tank Type/ Description
SDW-028	Urea tank (<u>under construction</u>).

Tank storage name:	Urea tank.
Max Capacity	32m3.
Stored Material	DEF (UREA 32.5% / Deionized water 67.5%).
SDS Sheets	On board.
ADR/IMDG Class	Not regulated.
Spill protected:	Yes, contained inside rig inboard surrounded by liquid enclosed bonding area.
Risk to environment:	At storage no risk to environment, area is enclosed.
High level alarms:	Yes, level indicator visual and electronically.
Users:	Main engines.
User supervisor:	Mechanics, Maintenance planner.
Use intendency:	Daily.
Tank Location:	Main deck.

Highlighted Storage/ Area Location on Rig Map



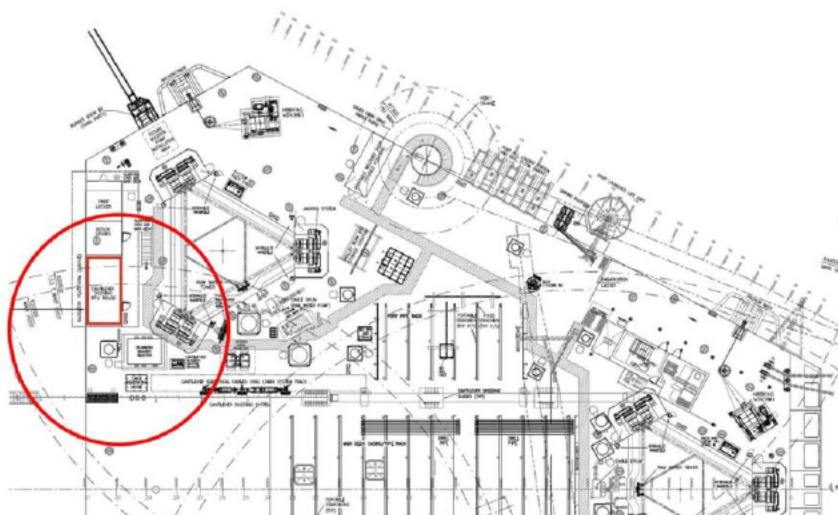
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-051	Chemical storage in the HPU skidding room.



Area name:	HPU cantilever skidding room.
Installed Capacity	Mostly oils and grease with volume up to 25 Liters.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical Inventory HPU tab.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Maintenance planner, Mechanic, Materials Coordinator.
Use intendency:	Daily.
Room Location:	Cantilever HPU skidding room.

Highlighted Storage/ Area Location on Rig Map



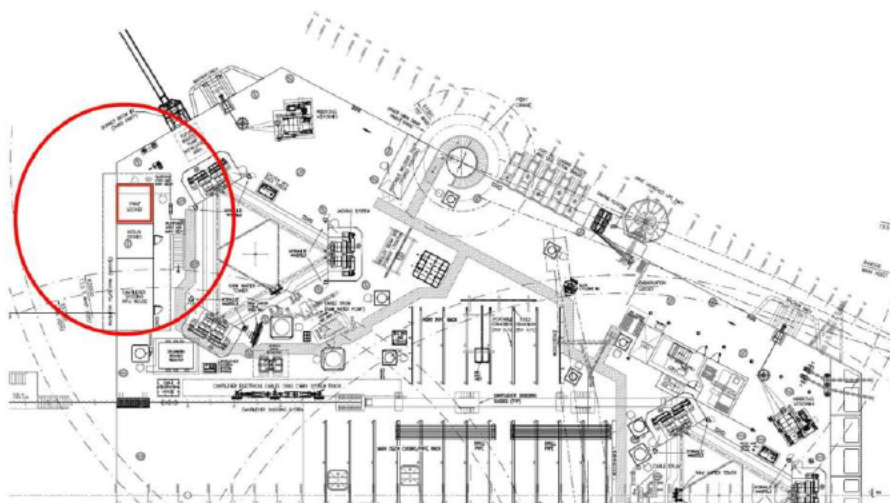
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-052	Paint locker.



Highlighted Storage/ Area Location on Rig Map

Area name:	Paint locker.
Installed Capacity	Several shelves with stores Paint. Max storage 2000 Liters As per inventory list.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical inventory Paint Locker tab.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Marine planner.
Use intendency:	Daily.
Room Location:	Paint locker.



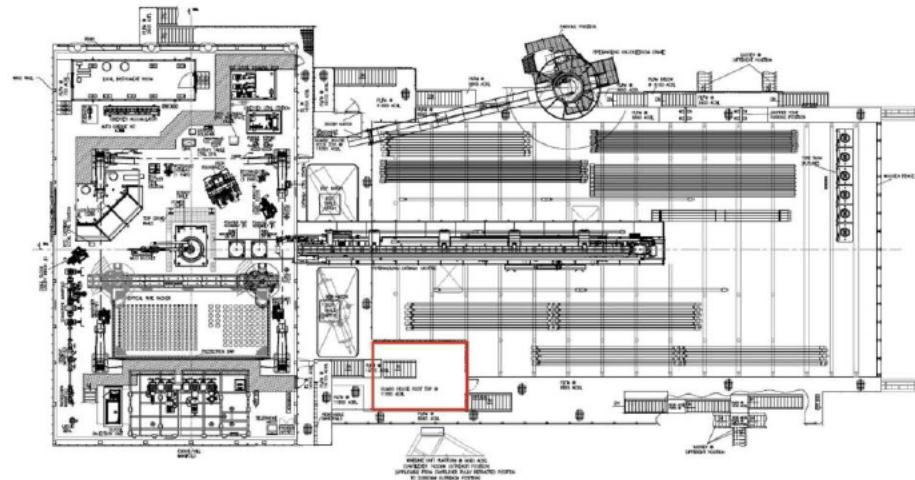
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-053	Chemical storage gumbo shakers.



Area name:	Gumbo shakers.
Installed Capacity	Mostly oils and grease with volume up to 25 Liters.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical Inventory Mechanical tab.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Drilling planner, Materials Coordinator.
Use intendency:	Daily.
Room Location:	Lower cantilever.

Highlighted Storage/ Area Location on Rig Map



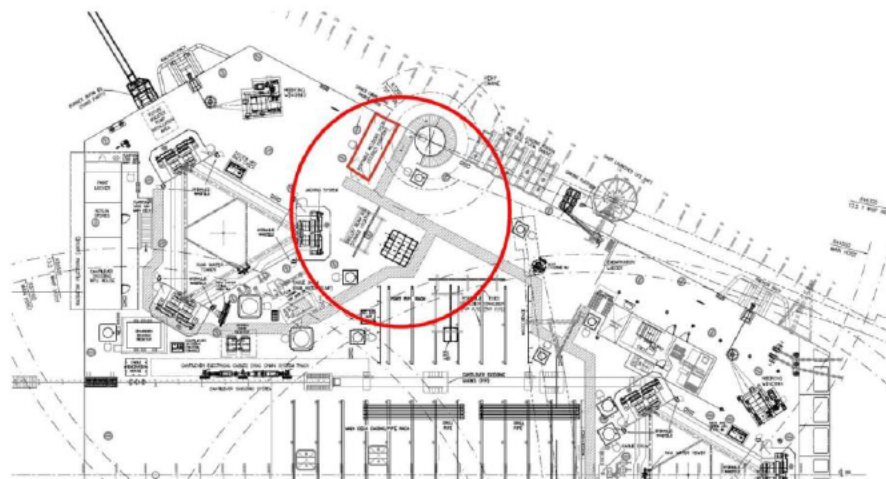
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-054	Welding workshop.



Area name:	Welding workshop.
Installed Capacity	Nitrogen Acetylene and Oxygen bottles for general welding.
SDS Sheets	Yes, onboard
ADR/IMDG Class	2.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Welder, Marine planner.
Use intendency:	Daily.
Room Location:	Main deck.

Highlighted Storage/ Area Location on Rig Map



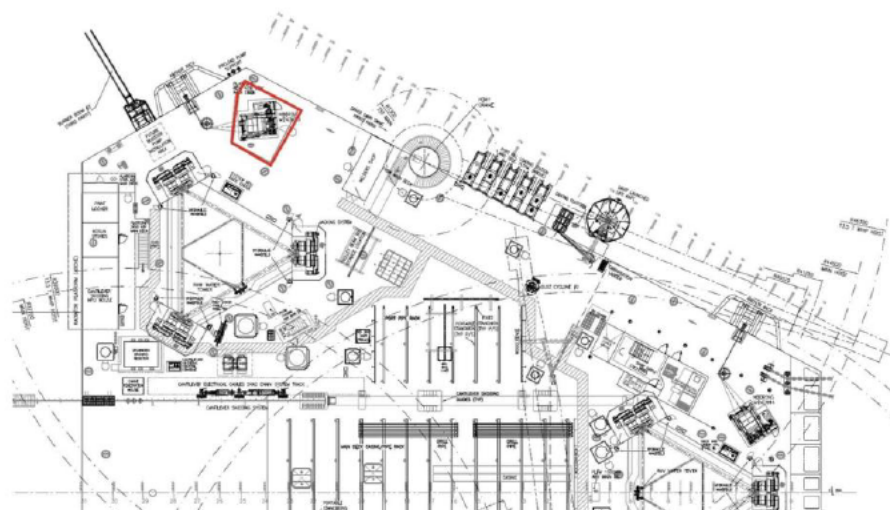
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-055	Radio-active source laydown area.



Area name:	Radio-active source laydown area.
Installed Capacity	Storage area for radioactive container.
SDS Sheets	Yes, once onboard 3rd party responsible will have all data.
ADR/IMDG Class	7.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Offshore Installation Manager.
Use intendency:	Monthly.
Room Location:	Port anchor winch platform.

Highlighted Storage/ Area Location on Rig Map



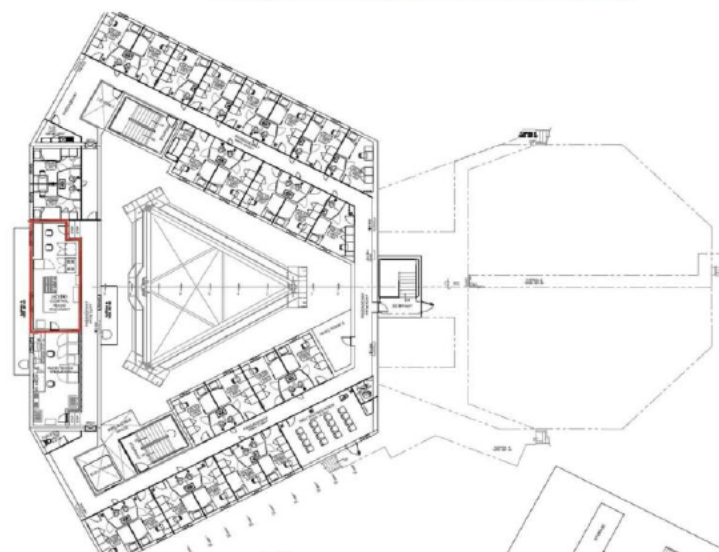
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-057	Jacking control room.



Area name:	Jacking control room.
Installed Capacity	Max pyrotechnics storage per SOLAS inventory.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	1.
Spill protected:	Solid explosive items in sealed containers.
Risk to environment:	Yes – explosive risk, but locker is sealed, fire-resistant, and located in protected area.
User supervisor:	Marine planner.
Use intendency:	Emergency use only. Weekly inspection & inventory control.
Room Location:	Jacking control room.

Highlighted Storage/ Area Location on Rig Map



Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-058	Sack store.



Highlighted Storage/ Area Location on Rig Map

Area name:	Sack store.
Installed Capacity	Shelving and floor space for various 20–25 L drums and chemical containers. Inventory-controlled.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	Chemical inventory tab for respective area
Spill protected:	At storage no risk to environment, area is enclosed
Risk to environment:	Yes, enclosed and ventilated to reduce exposure risk
User supervisor:	Mechanic, Maintenances planner.
Use intendency:	Daily.
Room Location:	Sack Store



Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-059	Chiller room.



Highlighted Storage/ Area Location on Rig Map

Area name:	Chiller Room.
Installed Capacity	Shelving and floor space for various 20–25 L drums and chemical containers. Inventory-controlled.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical inventory tab for respective area.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Maintenance Planner.
Use intensity:	Daily, Weekly.
Room Location:	Chiller Room.



Highlighted Storage/ Area Location on Rig Map

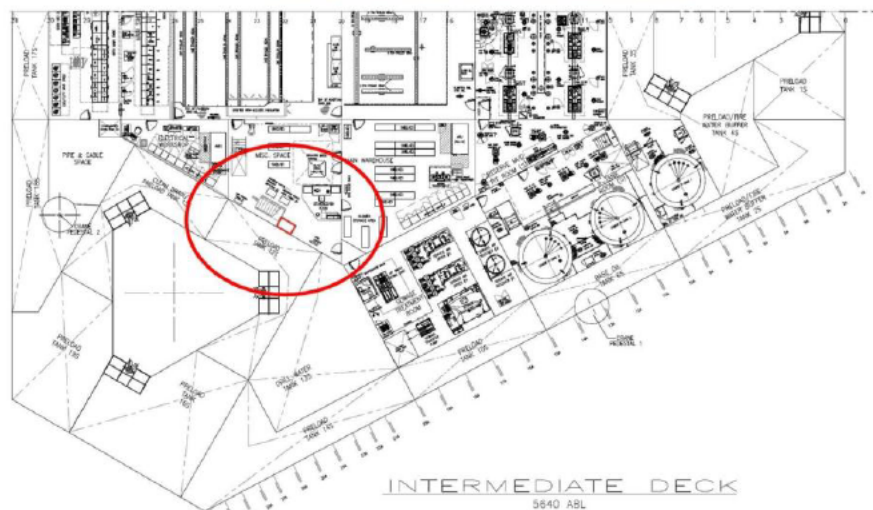
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-061	Main warehouse.



Area name:	Chemical storage lockers main warehouse.
Installed Capacity	Yellow COSHH locker with several shelves for all hazardous materials.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical inventory tab for respective area.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Materials Coordinator.
Use intensity:	Daily.
Room Location:	Main warehouse.

Highlighted Storage/ Area Location on Rig Map



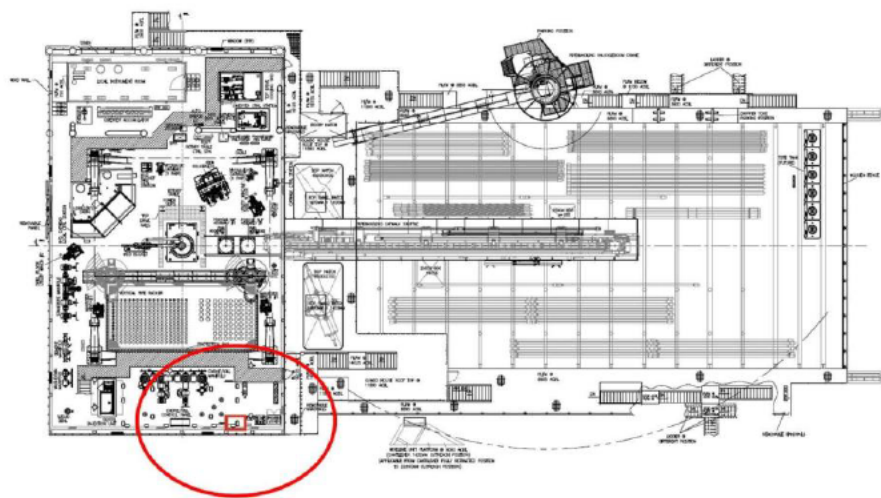
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-062	Drillfloor area.



Highlighted Storage/ Area Location on Rig Map

Area name:	Drillfloor area.
Installed Capacity	Yellow COSHH locker with several shelves for all hazardous materials.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See chemical inventory tab for respective area.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Drilling planner.
Use intensity:	Daily.
Room Location:	Drillfloor (starboard side).



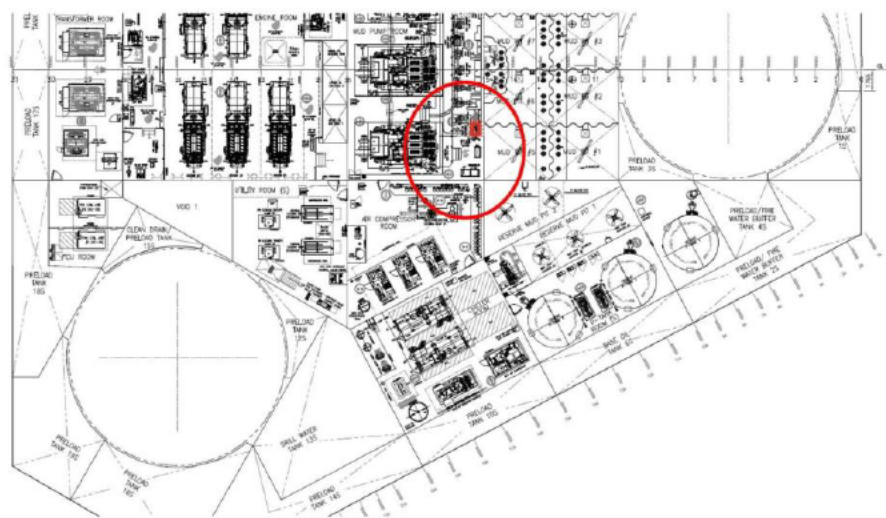
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-063	Mud pump room.



Highlighted Storage/ Area Location on Rig Map

Area name:	Mud pump room.
Installed Capacity	Yellow COSHH locker with several shelves for all hazardous materials.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See chemical inventory tab for respective area.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Drilling planner.
Use intensity:	Daily.
Room Location:	Mud pump room.



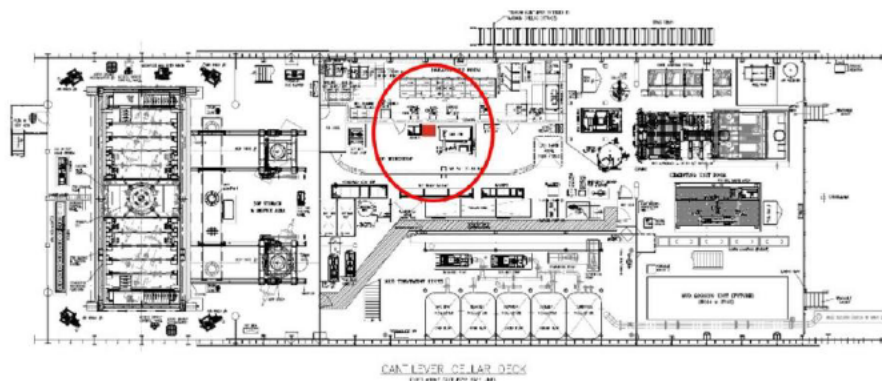
Shelf Drilling Winner Index- Hazardous Substance Storage

Area Number	Description
SDW-064	BOP ram storage area



Highlighted Storage/ Area Location on Rig Map

Area name:	BOP ram storage area.
Installed Capacity	Yellow COSHH locker with several shelves for all hazardous materials.
SDS Sheets	Yes, onboard.
ADR/IMDG Class	See Chemical inventory tab for respective area.
Spill protected:	At storage no risk to environment, area is enclosed.
Risk to environment:	Yes, but in enclosed protected area.
User supervisor:	Drilling planner.
Use intendency:	Daily.
Room Location:	Lower cantilever



Overzicht Chemicaliën en verfchemicaliën

Zie excelbestand separaat bijgevoegd – SDW – Hazardous Materials Inventory

Batterij opslag

#ref	Storage location	Type	Substance name	Manufact	Chemtag in	MSDS	Current stock	Hazardous materia	Remarks
99	On all 3 legs	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	36 batteries		for aircraft warning lights charged with solar panels
100	Engine room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	10 batteries		For engine starting; 2 batteries per engine
101	Emergency generator room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	4 batteries		For emergency generator room
102	Lifeboats and FRC	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	8 batteries		For lifeboats and FRC
103	Sack store	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	24 batteries		For fork lifter in sack store
104	Radio room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	56 batteries		For UPSs, obstruction lights and fog horn
105	Drilling office	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	8 batteries		GMDSS and NDB
106	Inside cantilever	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	154 batteries		Drilling and BOP UPSs
107	Jacking control room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	76 batteries		Rig UPS and jacking UPS
108	Switchboard room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	32 batteries		Switchboard room
109	Network room	Valve Regulated Lead Acid (VRLA)	Batteries, wet acid, sealed, with acid absorbed in glass mat	N/A	N/A	Yes	16 batteries		Network room

Toelichting

Op de SDW staan Valve Regulated Lead Acid (VRLA) batterijen geïnstalleerd. Deze batterijen zijn ontworpen als gesloten systeem en zijn voorzien van een geïntegreerd drukontlastventiel, waardoor bij overlading gassen op gecontroleerde wijze kunnen ontsnappen. De elektrolyt is daarbij geïmmobiliseerd in een Absorbent Glass Mat (AGM) of gelmatrix en is derhalve niet als vrije vloeistof aanwezig. Door deze constructie wordt lekkage of morsen van elektrolyt onder normale bedrijfsomstandigheden voorkomen, ook indien de batterij gekanteld of omgekeerd wordt.

Omdat de elektrolyt niet als vrije vloeistof aanwezig is, vallen deze batterijen onder de reikwijdte van PGS 15 en niet onder PGS 37-2.