

Brockham Oil Production Facility – Surface Water Monitoring and Discharge

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REVISION RECORD

REV. NO	DATE	BRIEF SUMMARY OF REVISIONS
00	11/2013	First draft
01	21/08/2020	Reference to specific procedures included
02	17/06/2021	All cellar and bund fluids to be disposed of as hazardous water
03	27/06/2021	Revised site drainage plan

DISTRIBUTION LIST

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1.0 POLICY

The company is committed to operation in an efficient and well planned, safe manner and as such, provides procedures for site operations to ensure operations are correctly performed.

2.0 PURPOSE

Procedure to ensure that the Angus Energy surface water monitoring and discharge operations for the Brockham site are in compliance with current regulations and permit conditions.

3.0 SCOPE

Only rainwater may be discharged from the site via the interceptor and only if it is free from oil contamination. If it is not free from oil contamination then it must be transferred into the slops tank for transfer into the storage tanks or removed from site as hazardous waste. The block valve preventing water from discharging from site via the interceptor must be left closed at any time the site is unmanned or when there is any well intervention activity taking place.

3.1 EMPTYING THE DITCH

- The ditch collects rainwater and is not connected to any bund or cellars and will be kept below the maximum level marked in the ditch, this is 80% of ditch capacity. The ditch will be completely emptied prior to any activity such as a workover rig on site as it provides temporary secondary containment in the event of a spill on site. The ditch is connected to an interceptor, at the outlet to this interceptor there is a discharge Penstock valve. This discharge Penstock valve must be closed at all times whilst the site is unmanned and also during operations like a well workover with a higher than normal risk of oil/chemical spillage on the site surface. Water samples are taken from the surface of the water in the interceptor along a visually inspection of the water surface in the ditch for oil presence. Prior to opening the penstock valve which allows the water to flow from the interceptor into Tanners Brook it will be documented as per BRO-ANGS-05-M-Data Recording that there is no visual indication of oil. If water sample is found to be contaminated with oil, it must be removed as hazardous waste and tankered off site to a licensed hazardous waste site.
- Once the water is determined as free from visible oils, the valve on the outflowpipe may be opened.
- Lift the drain cover over the interceptor and ensure that water is flowing freely through the interceptor.
- Monitor outflow to ensure only clean water is being discharged. If any oil is observed close the block valve immediately and call the duty manager as this is an emergency response situation. Responses will now follow the oil spill response procedure.
ensure that flow has stopped from the discharge line.

The maximum discharge volume to Tanners Brook is 20 m³/day.

3.2 EMPTING THE BUND

3.2.1 The concrete bund water level will increase with rainwater.

3.2.2 Under CIRA C736 we require a capacity in the bund to allow 125% of the largest storage tank within the bund. Largest storage tank is 400 bbls. We require to always have 500 bbls surplus ullage available in the bund.

3.2.3 The bund is marked with a physical line for maximum capacity for rainwater along with a 80% alarm level. Under CIRA C736, this must not be any higher than the maximum capacity to allow for the 125% ullage. All fluids from the bund are to be removed as hazardous waste to a licensed waste disposal site. These quantities to be recorded as per procedure BRO-ANGS-05-M-Data Reporting.

3.3 EMPTING THE CELLAR

All cellar fluids are to be transferred into slops tank for removal as hazardous waste or removed directly to a licensed waste disposal site. The hazardous waste quantities to be recorded as per procedure BRO-ANGS-05-M-Data Reporting.

The cellar is marked with a maximum permissible fluid level at 60% capacity and alarm level at 40% capacity.

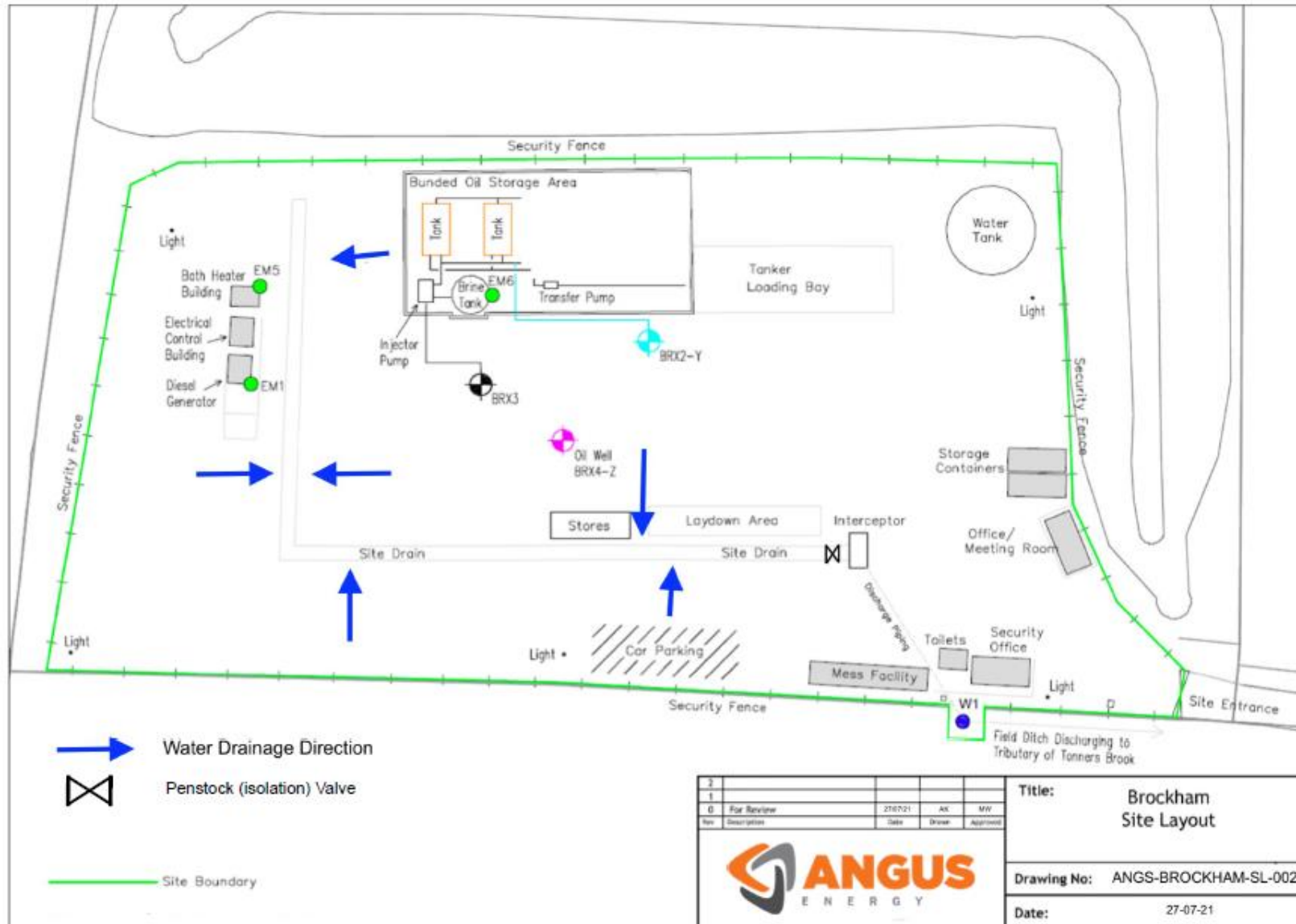
4.0 RESPONSIBILITIES

Angus Energy to ensure that staff employed are competent to perform their duties for surface water monitoring and discharge with systems in place to ensure compliance.

HSE Advisor will provide advice to staff and provide up to date information on relevant legislation and systems accordingly.

6.0 REVIEW

This procedure is to be reviewed at least annually or earlier if required for reasons such as a modification of change to procedures or equipment and changes in legislation.



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