Operational Method Statement – Appendix H5.4a

Location		**Issued By**		**Date**	

Reason For Issue	**Tick**	**Provide Details**
1. Safety Device Failure 2. Operational Device Failure 3. Utilities Failure 4. Other (Please Specify)	/	Erect Herris Type fencing with signage around job site to form safe working area. Using vac tanker and Jet lance remove residue and clean tank using fully trained and certified confined space, BA and rescue engineers. Issue Gas Free certificate Using 13 Tonne excavator with pecker break out concrete surrounding underground storage tank until free, taking extra care with overhead cables and using competent person to supervise at all times. Using excavator with slings remove tank onto waiting truck to remove for environmental disposal.

Safety Considerations	Flammable vapours (gasoline), access & egress, activities of others (including private motor vehicles), exposure to hydrocarbon oil (vapour / liquid), sharp edges, petroleum deliveries, contaminated ground, slips, trips & falls, dust, noise, ignition source, working at height, hot surfaces, public access, electrical isolation, moving parts (trap injuries), manual handling
Risks Identified	See Risk Assessment – for details. This should be read in conjunction with the method statement below – Contract Manager Sean Stanhope ensure control measures specified are in place prior to work starting and maintained throughout the course of the work

Method Statement

(Detail How The Operation Will Be Carried Out Safely)

Scope

This method statement has been developed, in conjunction with the appointed service by JSM Developments for use during the installation and testing of pipe work the scope of work includes workplace preparation, the identification of the area requiring removal of tank. The contractor will ensure that the specific requirements of the method statement and associated risk assessment are met in a safe and efficient manner and that their actions do not put themselves or others at risk of harm.

Equipment To Be used

1. The contractor is responsible for providing the following equipment and for ensuring that the equipment is fit for purpose and within test where applicable.

    - 13 Tonne 360 Excavator with Breaker
    - Fire extinguisher
    - Barrier (boards, cones or tape)
    - Hand tools and Electric concrete Breaker

Personal Protective Equipment

2. The contractor will ensure that the following PPE requirements are effectively met :-
   - PPE Workwear
   - Safety helmet
   - Gloves
   - Safety footwear
   - High-Visibility Jacket (Or Hi-Viz strips sown into overalls)
   - Eye protection
   - Hearing protection

Workplace Preparation

3. Prior to remedial works taking place the contractor, supported by the Contract Manager or JSM representative, will ensure that the following actions are taken:-
   - Establish worksite boundary and secure with Fencing / barriers to prevent unauthorised access
   - Position powered equipment in a safe area and secure against unauthorised access
   - Position warning notices as appropriate to the requirements of the defined work area
   - Identify electrical cables runs in the forecourt area, if necessary, mark surface for reference purposes
   - Carry out flammable vapour testing of proposed work area using calibrated gas detector (flammable vapour level must be <5% LEL)

     Note

     Continuous monitoring of the work area must be carried out whenever the compressor and/or surface breaker are being used. In additional flammable vapour testing will be carried in the event that the surface has to be broken and underground pipelines exposed
   - A visual inspection of the work area is carried out to assess any site-specific risks and confirm that appropriate control measures (precautions) have been put in place immediately prior to the work being started – If there are any concerns do not start the proposed work contact JSM Developments HQSE Manager for advice

     Note

     In the event that free phase hydrocarbon oil is identified JSM will ensure that any transferrable product is transferred into a suitable receptacle, this operation will be overseen by the representative from the Environmental Agency, whose specific requirements will be met, is so far as is reasonably practicable

     JSM will be responsible for the safe management of any contamination removed from the ground and for ensuring that appropriate action is taking in respect of the disposal of this material
   - JSM representative to take photographs of the excavation / exposed problem pipe work area ensuring appropriate precautions are taken to avoid a hazardous situation being created
   - If the damage section of pipeline is identified carry out repairs in accordance with specific requirements of the area of damage and in accordance with observations / recommendations made by the Petroleum Officer

     Note

Pipeline repairs will be carried out using appropriate cold work methods.

Risk Assessment

The following risk assessment has been produced in respect of the method statement detailed above and must be reviewed and complied with by all of those involved in the remedial work.

Hazard Identified	Risk	Control Measure	Risk Ranking
Flammable Vapours	Fire & Personal Injury	Gas detection, housekeeping & control of ignition sources	Medium
Hydrocarbon Exposure	Personal Injury	Personal Protective Equipment, housekeeping	Low
Slip, Trips & Falls	Personal Injury	Housekeeping, correct footwear, barriers, workmanship	Low
Cuts & Abrasions	Personal Injury	Personal Protective Equipment, housekeeping, workmanship	Low
Fall From Height	Personal Injury	Housekeeping, secure access, well maintained equipment	Medium
Noise	Personal Injury	Personal Protective Equipment – hearing protection	Low
Ground Contamination	Fire & Personal Injury	Gas detection, housekeeping, control of ignition sources, PPE	Medium
Electricity	Personal Injury & Fire	Electrical isolation, PPE, gas detection	Medium
Manual Handling	Personal Injury	PPE, lift assessment, lifting technique, assistance from others	Low

Hazard Identified	Risk	Control Measure	Risk Ranking
Activities of Others	Fire & Personal Injury	Gas detection, barriers, control of ignition sources, PPE	Low
Moving Traffic	Personal Injury	Personal Protective Equipment (Hi-Vis), barriers, Signs	Medium
Ignition Sources	Fire & Personal Injury	Barriers, signage, gas detection, station closure (PO)	Medium
Adverse Weather	Fire & Personal Injury	Stop work in the event of lighting	Low
Excavations	Toxic Fumes & Injury	Barriers, gas detection, well ventilated, no confined space work	Low
Moving Parts	Personal Injury	Guards, electrical isolation, PPE, housekeeping	Low
Product Spillage	Personal Injury	PPE, drip trays, line clearing, system isolations	Low
Human Factors	Fire & Personal Injury	Supervision , breaks, procedures	Low

Contractor Declaration

I have reviewed the method statement and associated risk assessment and understand my responsibilities in respect of ensuring that these requirements are effectively met during the work at _____I undertake to ensure that all safeguards and hazard control measures are strictly applied and that any unplanned events are immediately reported to JSM representative,

Signed ..... Name ..... Date .....

Signed ..... Name ..... Date .....

Signed …… Name …….. Date ……..

Croft BC Declaration

I have reviewed the method statement and associated risk assessment and understand my responsibilities in respect of ensuring that these requirements are effectively met during the work at Croft BC undertake to ensure that the work area is visually inspected immediately prior to the work starting and that all safeguards and hazard control measures are strictly applied and work will be carried out and agreed as per scope. Invoice will be paid within the agreed time.

Signed …… Name …….. Date ……..