EXPOTRAK LIMITED (Holderness Metal Company)

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22nd December 2016

DEMOLITION OF SHOREHAM TERMINAL

Start Date - TBC

METHOD STATEMENT

Personnel Contact Details

John Lee	- Technical Director & Safety Officer MIDE, NEBOSH	- 07803 182400
John Chapman	- SSSTS, CCDO, IPAF Working Supervisor	- 07738 435666
Paul Pepper	- SSSTS, CCDO, IPAF Working Supervisor	- 07581 501675
Bob Brooke	- CPCS Demolition Excavator Driver	

Introduction and General Works

1. Items on site to be demolished comprise 6 no. loading gantries complete, all pipelines, pumps and kit on pump platform, all fuel storage tanks, small modular buildings, small additional tanks and above ground bund walls, but concrete hardstandings will be left in place until future use of site is decided.

2. All asbestos materials identified in upcoming demolition asbestos survey which are part of demolition works are to be removed in conjunction with the works, which will involve removal of CAF gaskets from pipe flanges and any other items identified in survey.

3. There is no requirement to erect any fencing on main site and in respect of welfare facilities, the Client will allow use of existing offices and toilets for duration of the works.

4. The Client has already organised cleaning of all tanks and draining and cleaning of pipelines will be carried out by ourselves in conjunction with demolition works.

5. The Client will also organise disconnection of all live services to plant, equipment and buildings to be demolished and isolation certificates will be provided accordingly.

6. All tools, mechanical and electrical equipment which can be vandalised, stolen or damaged in any way, are to be securely locked away in site buildings and shall also generally be kept secure in company vehicles during dismantling works.

7. Prior to start of works, operatives shall read method statement and risk assessment and will sign on to confirm their understanding of procedures to be adhered to during demolition works. The Clients representative will carry also carry out a site induction and provide general and hot work permits for works activities, to which persons shall sign on.

8. All scrap materials shall be safely disposed off site to licenced facilities and Duty of Care transfer notes will be provided for Client records. Where any hazardous waste is to be disposed off site (such as asbestos materials), a hazardous waste consignment note will be raised, which will accompany each load.

12. A COSHH Assessment will be provided on site for gas oil, which will be used for plant and equipment operating on site, fuel supplies being delivered as required. COSHH Assessments for oxygen and propane will also be provided before start of demolition works on site, with gas bottles stored correctly on site.

13. Where any plant is provided on site, there shall be adequate spill kit, absorbent granules and clean up provision, otherwise no works shall be allowed to commence. A separate spill kit will be held in excavator at all times during the works.

14. Prior to commencing any works on site, operatives will report to the Clients site office and will undergo a site induction, any mandatory site rules being confirmed at this point. As part of this induction, the Client will run through all site emergency and first aid procedures to be followed in the event of incident, accident or fire.

15. The site may be infested by presence of rats or other vermin and special care needs to taken and a high standard of personal hygiene practiced, such that hands are washed on a regular basis before eating, drinking or smoking.

16. There will be a first aider on site at all times and their name will be displayed on safety notice board in site office. Where it is necessary to evacuate the site, the muster point will be as designated by the Client and a head count will be undertaken against site signing in/signing out log to confirm that all persons on site are present.

17. All operatives involved in demolition works will be experienced in such demolition procedures and copies of CPCS, CCDO, IPAF and UKATA personnel certification will be provided. The demolition supervisor will have at least 20 years demolition experience and possess SSSTS Certification as a minimum.

18. The excavator to be used on site will have statutory inspection certificate on board. Any hired-in plant such as MEWP will have current inspection or maintenance certification, a copy of which will be held on site. Hired in electrical equipment will be PAT tested and appropriate stickers will be attached thereto.

19. When it is necessary to work at height such as whilst removing asbestos sheeting from gantry roof, a MEWP will be used by trained operatives, with 'Working at Height' assessment provided accordingly, which includes emergency rescue plan.

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Emergency and First Aid Procedures

1. The emergency escape route and emergency service access is directly to highway via site gate, muster point being at site office, remote from general demolition work area.

2. In the event of any serious accident, the emergency services will be contacted immediately on Tel. No. 999. No injured person will be moved if their injuries are likely to cause further injury, but they will be made comfortable by first aider relevant to their training, until the ambulance service/doctor arrives on site.

3. A complete first aid kit will be held on site and first aid notice will indicate designated First Aider. An accident record book will be kept on site to enter any injuries therein. All injuries or dangerous occurrences under RIDDOR will be notified to HSE on form 2508/2508A and copies provided for Client's representative.

4. The nearest hospital with A + E facility is at **Worthing Hospital, Lyndhurst Road, Worthing BN11 2DH Tel: 01903 205111**

5. In event of a serious fire, contact fire brigade on Tel. No. 999. immediately and describe the emergency responses required, which may involve rescue or fire fighting, nearest **Fire Station being at English Street, Hove BN3 7EE Tel: 0303 999 1000**.

Demolition Area Plan



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Demolition of Tanker Loading Gantries

1. The tanker loading gantries in yard area are supported on steel columns with corrugated steel sheet roofs. The gantry framework with pipes still in place, which will be drained of fuel is then to be sheared down. The excavator with shear will mobilise next to each gantry and shall progressively cut down roof steelwork and set aside scrap directly into bulk scrap skip, progressing this work until gantry roof has been removed completely.

2. Following on from roof structure removal, the access platform, stairs , loading arms and all pipework shall be progressively sheared down to top of traffic islands, with all scrap being cleared directly into bulk scrap skips. The traffic islands will then be broken out to just below slab level, steel column supports cut off and all pipes passing underground shall be cut off and infilled with concrete plugs

Removal of Pumps and Pipelines

1. The pump platform area where all pumps and incoming/outgoing pipes are located will have already been drained by specialist cleaning company and pipe work shall be sheared through, all scrap being placed directly into bulk scrap skip, with motors being sheared off, before placing pump bodies and bedplates into scrap skip.

2. All remaining pipelines passing to the tank farm shall be sheared out of position and scrap pipe placed directly into bulk scrap skip. Underground pipes shall be cut off flush with the concrete yard area and then checked for residual fuel, which shall be pumped out as necessary, then pipe ends backfilled with concrete plugs.

3. All pipelines passing to fuel storage tanks shall be sheared out of position within the reach of the excavator and placed into scrap skip and pipes passing through concrete bunds shall be sheared and carefully pulled out, clearing all pipe off cuts to scrap skip.

Demolition of Modular Buildings

1. The modular buildings on site will be disconnected of all services and an isolation certificate issued by Clients electrical contractor, so that buildings are safe to demolish, with any liquid wastes or fluids being cleared beforehand.

2. An excavator with grapple will access end of modular building and shall break in the roof and pull down sidewalls and shall then outload waste into bulk waste skip. The floor area shall be lifted and broken into pieces and waste outloaded into bulk waste skip.

3. This work shall progress in the same manner along full length of the building comprising several modular bays until all building has been completely demolished and all waste has been cleared into bulk waste skips for disposal off site.

4. Finally, the concrete building foundation blocks shall all be gathered together and rubble outloaded into tipper lorry for carting off site for subsequent recycling.

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Demolition of Vertical Storage Tanks and Bund Area

1. The entry into the concrete walled bund shall be directly off the yard concrete and concrete shall be pulverised down to yard level to create a large entrance.

2. The excavator with shear is then to enter bund area and gain access to first vertical tank, shearing pipes out of position as works progress and cutting down walkways between tanks, so each tank is free standing.

3. The tank shall be cut at shell to kerb angle location and then a 'doorway' shall be cut in tank shell and the cut plate pulled away at base joint and further cuts will be made to tank shell and another portion sheared out and set aside clear of working area.

4. As tank roof starts to sag down, excavator shall pull roof down to stabilise tank structure and will shear roof up into sections, with cut sections being set aside to stockpile nearby.

5. The standing tank shell is then to be progressively sheared down to base level whilst maintaining stability, setting aside tank plate to stockpile to rear of machine, this work being progressed around complete tank perimeter.

6. The tank base is then to be lifted up and cut into sections using shear and cut plates lifted clear of the ground to scrap stockpile. All the other tanks within the tank farm area are likewise to be sheared down and processed for scrap in the same manner.

7. The tank plate sections which are in the stockpile are to be progressively folded and then outloaded using the shear directly into bulk scrap lorries, with scrap off cuts collected together and outloaded into bulk scrap skip.

8. All pipes within tank farm which are left, shall be sheared to length and collected together at a suitable outloading point for loading directly into scrap skip or bulker lorry. The concrete bund slab area is then to be cleared of all plate and pipe off cuts.

9. The concrete bund walls shall then be pulverised down to slab level and concrete base slab and tank bases all broken up and rubble outloaded into tipper lorries to clear debris off site for subsequent recycling, with bund wall foundations being broken up to complete the works, sub base material being graded level on completion.

Demolition of Small Buildings

1. The excavator with grapple shall reach up and carefully break down the roof, breaking it into small sections and then building walls shall be pulled down on to slab level.

2. All waste arisings shall be segregated out into separate waste streams and outloaded off site into tipper lorries and waste skips to clear respective areas.

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The Institute of Demolition Engineers
UKATA United Kingdom Asbestos Training Association
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Removal of Small Horizontal Tanks

1. Each tank which is free standing following removal of pipework shall each be slung in turn from lifting crane and then crane shall lift out each tank in turn and outload on to transport for removal off site.

2. The brick or concrete supports will then be carefully demolished to ground level and rubble outloaded into tipper lorries for carting off site for subsequent recycling

Signed *JR Lee* **Expotrak Limited** (Holderness Metal Co.) **22nd December 2016**

I certify that I have read and understood this method statement and accompanying risk assessment and are in possession of the PPE detailed herein. I will also comply with the safe working procedures and guidance set out in these documents and will ensure the safety of myself and not interfere with any safety equipment provided.

Name …….. Signed ……..……

Name …….. Signed ……..……

Name …….. Signed ……..……

PPE Requirements and Safety Equipment					
✓	Safety helmet	✓	High visibility waistcoat	✓	Safety boots
✓	Burning glasses	✓	Overalls	✓	Safety glasses
✓	Safety harnesses	✓	Rigger gloves	✓	Hearing protection
✓	Fire extinguishers	✓	Airstream respirator	✓	Type P3 respirators

Site Waste Management Provision			
Waste Generated	EU Codes	Disposal/recycling	Percentage (%)
Steel	EWC 17 04 05	Recycling	100
Concrete and Blocks	EWC 17 01 01	Recycling	100
Brick	EWC 17 01 02	Recycling	100
Miscellaneous Waste	EWC 17 09 04	Recycling	Unknown percentage

Project Arrangements

Technical Director & Safety Officer — SSSTS & CCDO Experienced Supervisor & Demolition Operatives — CPCS Demolition Plant Operative

Method Statement Issue Record

Revision	Date	Description	Prepared by
-	22nd Dec 2016	Original Issue	J R Lee

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