

**PROVISION OF ZERO-MAN ENTRY & AUTO-TANK CLEANING AND SLUDGE REMOVAL, TREATMENT & MGMT. SERVICES AT SELECTED RENAISSANCE FACILITIES
(RENAISSANCE Contract / Tender Nos.: CW-68582 / CW-515913)
DOCUMENT TITLE: PROJECT WASTE MANAGEMENT PLAN (WMP)**



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Waste Mgmt. Plan - For Zero-Man Entry & Auto-Tank Cleaning Services at Selected Renaissance Facilities

1.0 INTRODUCTION

South West Design Africa Limited (**SWDA**) has developed this Waste Management Plan (**WMP**) in accordance with the Federal Environmental Protection Agency (**FEPA**) Act of 1988, and relevant ISO 14001 standards for the management of the Project-derived Oily Wastes and the environment during our Automatic Tank Cleaning (**ATC**) & No-Man Entry (**NME**) Tank Cleaning Project activities for selected Renaissance Africa Energy Company (**RAEC**) Facilities across Nigeria. This **WMP** has also been developed by SWDA to detail the proper Waste Management procedures to be followed during the implementation of this Tank Cleaning Project in accordance with the Renaissance Contract / Tender Nos.: CW-68582 / CW-515913 Specifications, which has recently been awarded to SWDA.

2.0 SUMMARIZED PROJECT SCOPE OF WORK (SOW)

This **WMP** Plan covers how to avoid or reduce waste from source and also collection, transportation, recycling, disposal or processing of waste generated from SWDA operations during the desludging and ATC / NME cleaning activities of the subject Crude Oil Storage Tanks, as described below.

2.1 Description of Project Scope of Work (SOW)

Based upon the Instructions-To-Tenderers (**ITT**) & Contract Documents within the Renaissance Contract / Tender Nos.: CW-68582 / CW-515913, SWDA describes the prescribed Project Scope of Work (**SOW**) to include the following Main Tasks to be performed to successfully prepare, clean, de-sludge & properly manage all Project-derived Oily Wastes during this ATC & NME Tank Cleaning Project:

- Preparation of Pre-Mob Work Plans (**HSE, HAZID, PIP, QA / QC, WMP, Pre-Mob Inspection Test Plan, Security Plan, Community Engagement Plan & Journey Mgmt. Plans**) & Renaissance Pre-Mob Inspections & approval of requisite personnel & equipment for Project Mobilization;
- Land & Marine Mobilization of Renaissance pre-mobbed personnel, equipment & materials and initial Tank Site set-up activities;

- Implementation of all pipe connections necessary, removal of sludge from Tank using Zero-Man Entry (**NME**) & Automatic Tank Cleaning (**ATC**) means and perform all Safety Requirements defined by Contractor & agreed by Renaissance for the process;
- Processing of sludge & transfer of Oil into Renaissance-designated pipeline, transfer of all Oil-impacted sands to Renaissance-designated area and disposal of Oil-impacted water into appropriate Renaissance-designated location; and,
- De-Mobilization of all personnel & equipment from one Tank Site to another & provision of Final Project Report to Renaissance & NUPRC.

2.2 Description of Project Tanks to be Cleaned

Based upon the Renaissance ITT & Contract Documents, and for the purposes of this **WMP Plan**, SWDA has developed the below-attached **Table 1** to summarise the known and assumed (**Sludge 1.0 Meter [M] Depth per Tank**) Tank particulars, which shall guide the Waste Management arrangements per Tank Site, as modified by the Pre-Mob Tank Site Inspection data:

- Eighteen (**18**) Tanks are included within the Tank Cleaning Scope of Work (**SOW**) – Situated at four (**4**) Nigerian Renaissance Facility locations (Bonny – 8 Tanks, Forcados – 8 Tanks, Gbaran – 1 Tank and Soku – 1 Tank);
- Eight (**8**) Crude Oil Storage Tanks (**COTs**) & ten (**10**) Process Tanks (**PTs**) are included, with nine (**9**) Floating-Roofs & nine (**9**) Fixed-Roofs, ranging in Size from **1,060-M³** to **104,707-M³** (See below **Table 1 – Tank & Contents Particulars**); and,
- No actual sludge depth or consistency data was provided by Renaissance, so for costing & planning purposes, SWDA estimated 1.0 Meter (**M**) depth of sludge per Tank, and all SPDC Tank data & SWDA assumptions indicate a total estimated Sludge Volume of approximately **41,037-M³** or up to **51,101 Tons** of Sludge to be cleaned & all recovered Oil returned to Renaissance-designated locations.

2.3 Description of Project Waste Management Services to be Performed

In accordance with the RAEC-provided Scope of Work (**SOW**), designated as the “**Zero-Man Entry & Auto-Tank Cleaning (ATC & NME) System**”, complete with Sludge collection by suction systems, sludge rinsing & Oil recovery, waste management services shall be minimized; however, SWDA shall still be held responsible for proper Waste Management Services during the implementation of this Tank Cleaning Project. Therefore, Oily Wastes shall be properly & methodically collected, treated, managed & distributed to Renaissance-designated locations, as follows:

- The residual Sludge within each Tank to be cleaned, shall be recovered through the ATC Suction Module (**M1**), shall pass through an Oil separation phase within the ATC Separation Module (**M2**), the remaining Sands shall be collected & all Oil shall be collected within the ATC Skimming Module (**M4**) and recovered;
- If the residual Sludge is unpumpable, then Renaissance shall provide “**Cutter Stock**” to be added to the Tank Sludge through the ATC Recirculation Module (**M3**) to enable steady Sludge flow through the ATC Suction Module (**M1**) by agitation by means of the “**Single Nozzle Sprayers**” mounted on the Tank’s roof;

- Tank Rinse / Wash Water shall be routed into the Tank Sludge through the ATC Recirculation Module (**M3**) & the series of Spray Nozzles, and the Oil shall be recovered through the ATC Skimming Module (**M4**), and once each Tank rinsing is complete, the final Rinse Water is treated on-site & disposed at the Renaissance-designated location;
- Sands rinsed out of the Oily Sludge shall be recovered through the ATC Tri-Decanter & high-speed Centrifuge, and shall be contained within 1-tonne woven bags and/or 2.5-M³ Waste Skips, which shall be transported in bulk for disposal at Renaissance-designated locations; and,
- All Recovered Oil from the ATC Skimming Module (**M4**), shall be properly stored in Renaissance-designated Tanks on-site, until transfer via vacuum trucks delivery to Renaissance-designated pipelines for re-introduction pumping.

3.0 SWDA WASTE MANAGEMENT POLICY

In general, Project Wastes constitute an environmental nuisance, if not properly collected, handled and disposed, and South West Design Africa Limited is committed to properly handling, treating, recycling and/or disposing of Project Wastes in accordance with all domestic & international standards.

It is the policy of South West Design Africa Limited (**SWDA**) that wastes shall be collected, handled and disposed in an environmentally-safe manner so as not to cause injury or damage to personnel (either on or off-site), plants, animals and the environment (the soil, water and air).

- Waste shall be classified as solid, liquid and/or gaseous. Industrial and municipal wastes shall be collected in bins clearly marked accordingly. Waste shall be further classified as hazardous and non-hazardous, burnable and non-burnable.
- Biodegradable wastes shall be disposed using cutting boxes (skips) and then incinerated.
- Non-degradable (but combustible) wastes shall be incinerated with proper precautions taken to avoid air pollution.
- Non-degradable and non-combustible wastes shall be collected, crated and conveyed for disposal at Client's and government-approved disposal sites.
- Scrap metals shall be separately handled, these metals if generated at the sites, shall be properly stored at designated locations and disposed at government-approved sites.
- Proper precautions shall be taken to avoid discharge of pollutants in the air, land or water.
- Dumping of waste into creeks, rivers and other watercourses is prohibited.



Gliffeth Wonuigwe
SWDA – CEO / MD
1st June, 2026

4.0 SWDA WASTE MGMT. PLAN FOR RENAISSANCE TANK CLEANING

This SWDA Waste Management Plan (**WMP**) shall cover all on-site Project-derived Oily Wastes and other site-generated solid & liquid wastes, which shall all be properly marked, containerised and stored until proper disposal arrangements can be made. SWDA pledges that we shall strictly follow the Client's Quality Assurance / Quality Control (**QA / QC**) procedures, their Waste Management procedures, all Intn'l Standards, Best Available Current Technologies & Global Best Practices (**BACT / GBPs**) during the implementation of this Project, and specifically with all Waste Management issues.

4.1 Waste Management Procedural Responsibilities

SWDA is aware of the global concern on environmental issues, and has thus initiated a dedicated Waste Management Team (**WMT**) that will be responsible for identifying / tracking, segregating and evacuation of generated waste during the Renaissance Facilities ATC / NME Tank Cleaning Project. Proper waste management in a way is just proper housekeeping, and the essence is to restore the environment to its pre-work conditions. The SWDA **WMT** shall perform various waste management procedures & implement various tasks with respect to this **WMP**, as follows:

- **Project Manager** – The Project Manager (**PM**), and in his absence the Project Engineer (**PE**), shall be responsible for the implementation of this **WMP** Plan on site.
- **Site Supervisors** – The Site Supervisors (**SS**) shall monitor all sludge removal and containment processes and ensure proper daily housekeeping.
- **HES Officer** – The HES Officer (**HESO**) will monitor the effectiveness of this **WMP** Plan during site visits and audits, and forward copies of Reports to the Project Manager (**PM**) for evaluation and improvement. The HES Officer shall ensure proper waste inventory, characterization and segregation.
- **Logistic Officer** – The Logistics Officer (**LO**) shall conduct checks to ensure that wastes are properly contained and secured during transportation from the SPDC / RAEC Jetty to the site of incineration. He will prepare the waste disposal manifest and also manage loading, off-loading and the movement of trucks.

4.2 Waste Management Plan Distribution

Copies of the Waste Management Plan (**WMP**) will be available in the South West Design Africa Limited Lagos Office, distributed to each of the above **WMT** Members and shall also be available for review and reference at the site.

4.3 Waste Management Plan Procedures

All wastes generated by the SWDA Tank Cleaning Team during the various Tank Cleaning Projects at Renaissance-selected Facilities shall be managed and implemented through the following procedures:

- Effective implementation of waste management process such as waste inventory, identification, segregation, minimization and treatment;
- Proper Waste containerization, marking & loading for transport;
- Waste manifesting & tracking; and,
- Waste transport, off-loading & treatment and / or disposal.

The following Waste Management Procedures (**WMPs**) shall be strictly enforced and documented:

- **Waste Inventory** - Sources and quantities of Wastes shall be identified and recorded. This shall assist the organization to note the amount of waste generated and where they are generated from.
- **Waste Characterization** - Mechanical, physical, chemical and toxicological properties of all generated wastes shall be assessed & characterized.
- **Waste Segregation** - All Wastes shall be selectively separated into different categories, e.g. plastic, paper and solid wastes, which shall be segregated into different containers, properly marked and sealed for proper storage until disposal arrangements can be made.
- **Waste Minimization** - This involves the utilization of the “**Four R’s**”, which are:
 - **Reuse** – Reutilization within existing Operations with modifications;
 - **Reduce** – Minimize Wastes by use of “**Four R’s**” & minimize generation of Wastes;
 - **Recovery** – Recover otherwise discarded or stored Wastes for Recycling or Reuse; and,
 - **Recycle** – By use of various Techniques, Recycle Wastes, Recover Oil & maximize Reuse & Revenue generation.
- **Waste Treatment** - This shall involve physical, biological or chemical treatment of wastes before disposal can finally occur. Treatment shall be dependent on the results of waste characterization testing.

4.4 Waste Management Monitoring & Restoration

Waste such as sludge and mechanical impurities from the Tank Cleaning activities shall be collected in Waste Skips (Cutting Boxes), tracked and evacuated to the yards of third-party contractors for recycling and/or incineration.

Waste water from the water washing phase, during the operation of the ATC Recirculation Module (**M3**), from the Tank Cleaning will be disposed at the Client's Oil treatment plant or any designated facility provided by Renaissance. Toilets shall be provided at the site for properly containing & managing human waste, such waste shall be evacuated on a periodic basis, once the container is filled.

SWDA and Renaissance shall evaluate proposed subcontractors to ensure that treatment and disposal methods conform to NUPRC (**DPR**) and FEPA regulations. Other Wastes shall be segregated and disposed accordingly in line with this **WMP** Plan and Renaissance / Client requirements.

4.5 Waste Management Documentation

All applicable waste management permits required by current waste disposal regulations shall be obtained. Proper Records shall be kept of all waste transport, recycling, treatment and the type and final location of disposal.

4.6 Waste Classification & Disposal Procedures

SWDA shall classify all wastes generated on site into domestic, Industrial, hazardous, non-hazardous, solid / liquid / gaseous, and these wastes shall be reused and recycled where applicable, and disposed according to the following Classifications:

- **Domestic / Municipal Wastes** – The likely domestic & municipal wastes to be generated from on-site activities during our Tank Cleaning Projects shall include office, household, paper, food, wood waste and water from toilet / bathroom / laundry. For disposal of these wastes, the Company shall key into Renaissance Facilities domestic Waste Management Plan (**WMP**). SWDA shall also liaise with Renaissance waste management for the management of all non-hazardous wastes that poses no harm to human health and/or the environment generated by her activities.
- **Paper Wastes** - Paper wastes generated from on-site office activities shall be shredded and disposed in bins. On a periodic basis, these non-hazardous wastes shall be appropriately disposed of off-site in accordance with all Renaissance & statutory waste management procedures.
- **Spent Batteries** – If any spent batteries are considered past their useful life on-site, these spent batteries shall be properly disposed of off-site in accordance with all Renaissance & statutory waste management procedures.
- **Industrial Wastes** - Both solid and liquid wastes shall be generated by our Tank Cleaning operations, which shall be properly handled and disposed of in accordance with all Renaissance & statutory waste management requirements, and these wastes may include, but not be limited to, the following:
 - **Empty Drums** - Empty drums used for packaging of fluids such hydraulic oil, lubricating oil, grease, liquid detergent, degreasing agents, etc., shall be stored according to type at the designated on-site storage location. These empty drums shall be back-loaded to the Renaissance Base Office at regular intervals for reuse or proper disposal. The Material Safety Data Sheet (**MSDS**) & accurate labelling of toxic drums shall be provided to inform and educate personnel of the contents in such drums.

- o **Metal Wastes** - All metallic wastes generated during fitting activities on the project will be separated and stored in cutting boxes. These cutting boxes will be securely stored at a Renaissance-designated area. The mode of disposal shall be at Renaissance-designated disposal or recycling facilities or through sales as scrap to contractors. Metal wastes will include, but not limited to, all pipe cut-offs, metal plate cut-offs, etc.
- o **Plastic Wastes** - Plastic containers and other plastic wastes generated on-site during Project activities shall be collected in a labelled bin and transported for recycling or disposal at Renaissance-designated locations.
- o **ICT Wastes** - Toners, cartridges, computers and related packaging materials shall be collected in a labelled bin and transported for recycling or disposal at Renaissance-designated locations.
- o **Oily Sludge** - Oily Sludge will be evacuated in an environmentally-acceptable method, and stored in Waste Skips pending disposal. Possible disposal methods include, but are not limited to: reprocessing, landfilling, land farming, recycling & Oil recovery or incineration. During evacuation from Tanks, the recovered Sludge will be collected in the Waste Skips, which shall be stored in Renaissance-designated area until disposal arrangements can be made.

Evacuated Sludge will be transported in the Waste Skips to a waste treatment plant / incinerator contractor for treatment, recycling, Oil recovery and/or disposal.

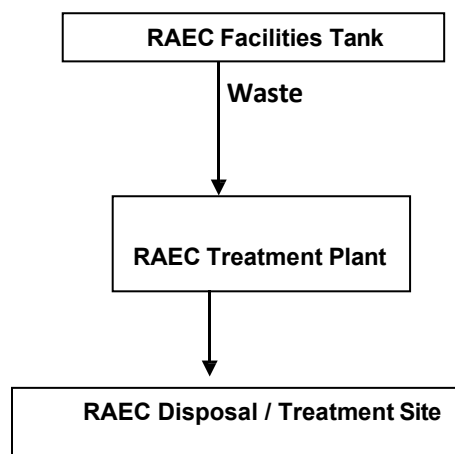
Biocides in Tank effluent can present a health hazard and may incapacitate biological effluent treatment plants. If biocide use is known or suspected, the type and concentration in sludge, sediment or residual water should be assessed, and, if necessary, the biocide shall be deactivated prior to handling and disposal of any wastes at a Waste Water Treatment Plant (**WWTP**).

- o **Disposal to Land Sites** - Both landfill and land farming will only be performed at the direction of Renaissance and at Renaissance-designated and authorized waste disposal sites. Special consideration will be applied to the safe disposal of Oil Sludge containing heavy metals, such as lead, should the Crude Oil contain Lead. Biocides in Sludge may need deactivation before disposal.
- o **Low-Specific-Activity Radiation (LSAR) Wastes Disposal** - Sludge or Sludge by-products contaminated by Low-Specific-Activity (**LSAR**) Radiation may require special handling, packaging and disposal arrangements according to the level of radiological contamination. Only qualified Third-Party Contractors will properly handle all Radiological Waste disposal professionally, in accordance with all Renaissance, domestic & Intn'l standards and procedures.

- o **Waste Water Disposal** - Waste Water may frequently be discharged into normal site effluent via interceptors or by oily water separators, providing this is in accordance with local regulations and any relevant restrictions, e.g. toxic substances, BOD and COD. Waste water and spent chemicals from the Tank will be decanted using the ATC Skimming Module (**M4**). Sediments will be disposed of in the same manner as residual Sludge. In case decantation will not be effective, waste water will be treated as slurry sludge and transported to Waste Contractor's yard for treatment, recycling and disposal in accordance with Renaissance WM procedures.
- o **Other Disposal Methods** - Where disposal in normal site effluent is not an option, the proper methods described above for Sludge disposal will be evaluated and considered, with recycling & Oil recovery as the primary consideration.
- o **Spills & Recovery Procedures** - All spills will be isolated or contained at source and contained immediately. All spills shall be mopped up by the use of absorbent pads, industrial rags and booms. Oily absorbants or rags shall be collected & stored in marked bins in a Renaissance-designated area, until such time as off-site disposal arrangements are made in accordance with Renaissance and all regulatory guidance and procedures.
- o **Medical Wastes** - Medical Wastes (**MedWastes**) shall be placed in medical disposable bags. Sharp items such as broken glassware, knives, needles or similar material that may be contaminated, shall be disposed in bio-hazard disposal bags, or sharps containers that are closeable, constructed to contain all contents and prevent leakage of fluids during handling, storage, transportation or shipping. Bio-hazard disposable bags shall be closable and leak proof. The MedWaste container and/or bag will be either red or red-orange in colour or have a bio-hazard label affixed to it. All MedWastes shall be properly labeled, containerized & properly-licensed Third-Party Contractors shall properly transport & dispose of such MedWastes in accordance with all Renaissance & regulatory procedures.

4.7 Waste Handling Procedures & Logistics

The above-described Wastes shall be segregated by personnel at the source of generation and stored in the appropriate bins. The network of waste evacuation shall in general accordance with the following diagram below:



Regular evacuation of Waste Skips filled with Sludge and mechanical impurities from work locations in Renaissance Facilities shall be by boat to Renaissance Onne Jetty in PHC or Warri Jetty in Warri, where the Wastes shall be subsequently transported by boat to the treatment site. The frequency of evacuation of other wastes shall depend on the volume of wastes generated on-site.

4.8 List of Vendors for Waste Management

The List of Approved Vendors for the performance of Waste Management (**WM**) services within this Renaissance ATC / NME Tank Cleaning Contract shall be provided to Renaissance and Approved prior to the commencement of the Project.

4.9 Waste Categorization, Tracking & Manifesting for Transport & Disposal

SWDA is committed on this Renaissance ATC & NME Tank Cleaning Project to properly handle all Wastes generated, collected or relocated off of any of the Renaissance Sites in accordance with all Renaissance procedures and regulatory standards and guidance. SWDA shall track all Wastes in accordance with the Waste Tracking Form (**See Table 1 below**), and shall always utilize an NUPRC-Approved Waste Manifest for all transportation and disposal operations. SWDA's Wastes shall be categorized & handled properly in accordance with **Table 2 – Waste Handling Procedures** as indicated below. SWDA also attaches **Table 3 – List of All Renaissance Tank Particulars** with estimated quantities of Oily Sludge that we are likely to encounter during our ATC & NME Tank Cleaning Procedures on this Project.

Table 1 - SWDA WASTE MANAGEMENT REGISTER / TRACKING FORM CONTRACT SERVICE ORDER NO: _____

PROJECT: _____ LOCATION: _____

Waste Categorization: ☐ Industrial - Hazardous ☐ Industrial - Non-Hazardous

Waste Disposal Method: _____

S/N	DATE	Waste Description including Generation Process	Qty / Vol	Disposal Site	Details of Disposal Process	Collected By	Approved By (PM)

Date: _____ Location: _____

Type of Waste: _____

Volume of Waste: _____

Name / Registration No. of Vessel / Truck transporting Waste: _____

Name of Captain / Driver transporting Waste: _____

Waste Destination: _____

Special Handling Instructions: _____

Name & Signature of Dispatcher: _____

Approved by: _____

TABLE 2 - WASTE CLASSIFICATION & HANDLING CHART (Legend: H = Hazardous; I = industrial; D = Domestic)

S/N	Waste	Category	Hazard	Origin	Preferred Disposal Option	Obtainable Disposal Option	Remarks
1	Empty Drums	I, H	Depends on original Contents of Drum	Packaging of Lubricating Oil and Fuel Oil	Sell as Scrap if Non-Hazardous contents. Approved Washing and Recycling of resultant Plastics or Metals for Hazardous content.	Every Drum with content (Hazardous) must be accompanied by SHOC Card. Non-reusable Contents must be strictly adhered to. Send Drum to Base Office for Disposal.	Reduce by Bulk Purchasing.
2	Oil & Fuel Filter Cartridges	H	Potential Groundwater , Surface Water & Soil Contamination (Hydrocarbons & Metals)	Engines, Cranes and Rotating Equipment	Approved Incineration & Landfill	Send to Base Office for Disposal	
3	Oily rags	I	Potential Groundwater , Surface Water & Soil Contamination (Hydrocarbons & Metals)	Maintenance & Clean-Up Operations	Approved Incineration & Landfill	Disposal of Oily Rags at Base Office	Reduce Drips & Minor Leaks; Wash & Re-use Rags.
4	Scrap Metals, Metal Chippings, Scrap Cables and Electrodes	I	Non-Hazardous	Scrapped Equipment & Pipes	Recycling	Disposal at Base Office for Collection by a Recycling Contractor	Recycling
5	Medical Wastes	H	Potential Health Risk	Sick-Bay & First Aid Treatment	Incineration	Incineration at an Approved Incinerator	Recycling
6	Domestic Waste & Garbage	D	Attracts Rodents, Leachate from Landfill may cause problems & Fumes from Open Burning is a Nuisance	Accommodation, Barge & Office Canteen	Segregation & Recycling of Recyclables e.g. Plastics, Paper, Glass & Landfill of Recyclables	Send Wastes to Base Office for Disposal.	Review Waste Volumes & Sources to reduce Waste generated.
7	Lead-acid, Nickel-Cadmium Batteries	H	Corrosive – Health & Safety; Lead or Heavy Metals may cause Contamination (Env. & Health)	Machineries, Cranes & Vehicles	Recycling	Send to Base Office for Recycling	Recycle via Suppliers
8	Spent Lubricants	H	Potential Groundwater & Surface Water Contamination (Hydrocarbons & Metals)	Vehicles, Engines & Rotating Equipment Lubricating Systems,	Recycling	Store in Drums & send to Base Office for Recycling	Recycling
9	Sludge	H	Potential Groundwater & Surface Water Contamination (Hydrocarbons & Metals)	Sludge Evacuation	Recovery / Incineration / Approved Disposal	Contain in Skips and send to Waste Management Contractor	Recycling
10	Waste Water & Spent Chemicals	H	Potential Groundwater & Surface Water Contamination (Hydrocarbons)	Sludge Evacuation & Tank Cleaning	Decant Sediments, Reuse Water, Incineration / Approved Disposal	Contain in Skips and send to Waste Management Contractor	Recycling

TABLE 1 - RENAISSANCE TANK CLEANING CONTRACT NO.: CW-68582 - TANK & CONTENTS PARTICULARS LIST

SWDA - RENAISSANCE 18-TANK SEMI-AUTO & MANUAL TANK CLEANING & SLUDGE REMOVAL PROJECT - 17 / 7 / 2026

(PLEASE NOTE THAT THESE ESTIMATED VOLUMES ARE NOT CORROBORATED BY RENAISSANCE, AWAITING TANK AS-BUILT DRAWINGS, MERELY OUR ESTIMATES FOR PLANNING PURPOSES.)

S/N	TENDER TANK NO.	RENAISSANCE TANK LOCATION	TYPE OF TANK OPS	ROOF TYPE	TANK DIAMETER (M)	TANK DEPTH (M)	EST. TANK VOLUME (M ³)	EST. TANK 80% CAPACITY (Bbls)	SLUDGE LIKELY TYPE & CONSISTENCY	EST. SLUDGE VOL. (Est. M ³ @ 1.0 M Depth)	EST. SLUDGE VOL. (@ 6.29 Bbls / M ³)	EST. SEMI-AUTO & MANUAL CLEAN (Days)
1	Tank 9	Bonny Tank Farm - 10 KMs South of PHC	Crude Oil Storage	Floating Roof	48.8	22.1	41,335.0	207,998.0	Flowing & Mucky to Dry Sludge	1,870.4	11,764.8	30
2	Tank 11	Bonny Tank Farm	Crude Oil Storage	Floating Roof	67.1	19.0	67,187.7	338,088.5	Flowing & Mucky to Dry Sludge	3,536.2	22,242.7	50
3	Tank T-1201-A	Bonny	Processing Tank	Fixed Roof	30.0	10.5	7,422.03	37,347.7	Flowing to Dry Sandy Sludge	706.9	4,446.4	20
4	Tank T-1201-B	Bonny	Processing Tank	Fixed Roof	30.0	10.5	7,422.03	37,347.7	Flowing to Dry Sandy Sludge	706.9	4,446.4	20
5	Tank 13	Bonny	Crude Oil Storage	Floating Roof	67.1	19.0	67,187.7	338,088.5	Flowing & Mucky to Dry Sludge	3,536.2	22,242.7	50
6	Tank 21	Bonny	Crude Oil Storage	Floating Roof	76.3	22.9	104,706.9	526,885.1	Flowing & Mucky to Dry Sludge	4,572.4	28,760.4	60
7	Tank 22	Bonny	Crude Oil Storage	Floating Roof	76.3	22.9	104,706.9	526,885.1	Flowing & Mucky to Dry Sludge	4,572.4	28,760.4	60
8	Tank T-1401-A	Bonny	Processing Tank	Fixed Roof	30.0	10.5	7,422.03	37,347.7	Flowing to Dry Sandy Sludge	706.9	4,446.4	20
9	Tank 206	Forcados Tank Farm & Depot 39 KMs West of Warri	Crude Oil Storage	Floating Roof	76.2	21.9	99,872.3	502,557.4	Flowing & Mucky to Dry Sludge	4,560.4	28,684.9	60
10	Tank 209	Forcados Tank Depot	Crude Oil Storage	Floating Roof	76.2	21.9	99,872.3	502,557.4	Flowing & Mucky to Dry Sludge	4,560.4	28,684.9	60
11	Tank 620	Forcados Tank Depot	Processing Tank	Fixed Roof	33.5	9.8	8,637.9	43,465.9	Flowing to Dry Sandy Sludge	881.4	5,544.0	20
12	Tank 901	Forcados Tank Depot	Processing Tank	Fixed Roof	15.0	6.0	1,060.3	5,335.4	Flowing to Dry Sandy Sludge	176.7	1,111.4	15
13	Tank 203	Forcados Tank Depot	Crude Oil Storage	Floating Roof	76.2	21.9	99,872.3	502,557.4	Flowing & Mucky to Dry Sludge	4,560.4	28,684.9	60
14	Tank 102	Forcados Tank Depot	Processing Tank	Floating Roof	48.0	17.0	30,762.5	154,796.9	Flowing to Dry Sandy Sludge	1,809.60	11,382.4	30
15	Tank 601	Forcados Tank Depot	Processing Tank	Fixed Roof	30.0	12.5	8,835.8	44,461.7	Flowing to Dry Sandy Sludge	706.9	4,446.4	20
16	Tank 610	Forcados Tank Depot	Processing Tank	Fixed Roof	33.5	9.8	8,637.9	43,465.9	Flowing to Dry Sandy Sludge	881.4	5,544.0	20
17	GCPF Tank	Gbaran-Ubie Central Field - Central Bayelsa (OML-28)	Processing Tank	Fixed Roof	39.0	13.0	15,529.7	78,145.5	Flowing to Dry Sandy Sludge	1,194.60	7,514.0	25
18	SGP Tank	Soku Gas Plant - 40 KMs West of PHC	Processing Tank	Fixed Roof	30.0	18.0	12,723.5	64,024.7	Flowing to Dry Sandy Sludge	706.9	4,446.4	20
TOT	18 TANKS		8 - Crude Oil Tanks 10 - Process Tanks	9 - Floating & 9 - Fixed Roof	TOTAL VOL. OF TANKS (M ³):		793,194.79 M ³	80% CAPACITY: 3,991,357 Bbls		40,247.0 M ³	253,153.5 Bbls	640 Days - or 1.83 YRS