Appendices
Appendix A

Product tank foundation questionnaire
Products Tank Foundation in the Sudan

Construction Questionnaire:

- We start working in this field since .................................................................
- Product Tank Foundation for: Factories ............................................ Terminals ................................
In case of Factories:

- Profile exploration and Soil test: Yes | No
- Type of test: Classification | Field density | Consolidation | Shear
- Excavation shape: Cylindrical | Inverted conical | Rectangular | Square
- Filling material type: ISG | Fine aggregate | Combination
- Properties of materials (Testing): Yes | No
- Filling layer depth: ISG | Fine aggregate | Combination
- Compaction effort:
  1. Large scale: > 10 m dia, SD: DD | Pneumatic | Friction
  2. Small scale: < 10 m dia, DC | EC | Manual | Combination (Mec, Iman)
- Retaining wall referring to: 45 deg, Angle | 60 deg, Angle
- RC Retaining wall: In situ cast | Precast units
- Other Retaining wall: Ord. red BKW | H blocks | Mud BK | Adobe
- Difficulties during construction: Yes | No
- Difficulties: Materials | Workmanship | Combination
- Remarks: Modifications | Supervision
- Any other:

SD: single drum
DD: double drum
DC: diesel compactor
EC: electrical compactor

Signature: __________________________
Date: __________________________
In case of Terminals:

- Profile exploration and Soil test: Yes No
- Type of test: Classification Field density, Consolidation, Shear
- Excavation shape: Cylindrical, Inverted conical, Rectangular, Square
- Filling material type: ISO, Fine aggregate, Combination
- Properties of materials (Testing): Yes No
- Filling layer depth: ISO, Fine aggregate, Combination
- Compaction effort:

3. Large scale: > 10 m dia. SD: DD: Pneumatic, Porthole
4. Small scale: < 10 m dia. OC: EC: Manual, Combination (Mec/mam.)
- Retaining wall referring to: 45 deg, 60 deg, Angle
- RC Retaining wall: Insitu cast, Precast units
- Other Retaining wall: Ord. red BKW, H blocks, Mud BK, Adobe
- Difficulties during construction: Yes No
- Difficulties: Materials Workmanship Combination
- Remarks: Modifications Supervision Any other

SD: single drum
DD: double drum
OC: diesel compactor
EC: electrical compactor

Signature

Date