



**TSHEGOFENTSE FACILITIES & ENGINEERING**  
"Re-Engineering of Facilities Management "

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**WASH BAY SLUDGE (INDUSTRIAL  
EFFLUENT) TREATMENT**

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## WASH BAY SLUDGE (INDUSTRIAL EFFLUENT) TREATMENT

Q: ARE YOU ISO14001 ACCREDITED?

Q: IS YOUR SLUDGE PIT CONSTANTLY CLOGGED?

Q: ARE YOU HAVING PROBLEMS MAINTAINING YOUR WASH BAY AREA?

Q: ARE PAYING EXCESSIVE AMOUNTS FOR DISPOSAL OF YOUR SLUDGE?

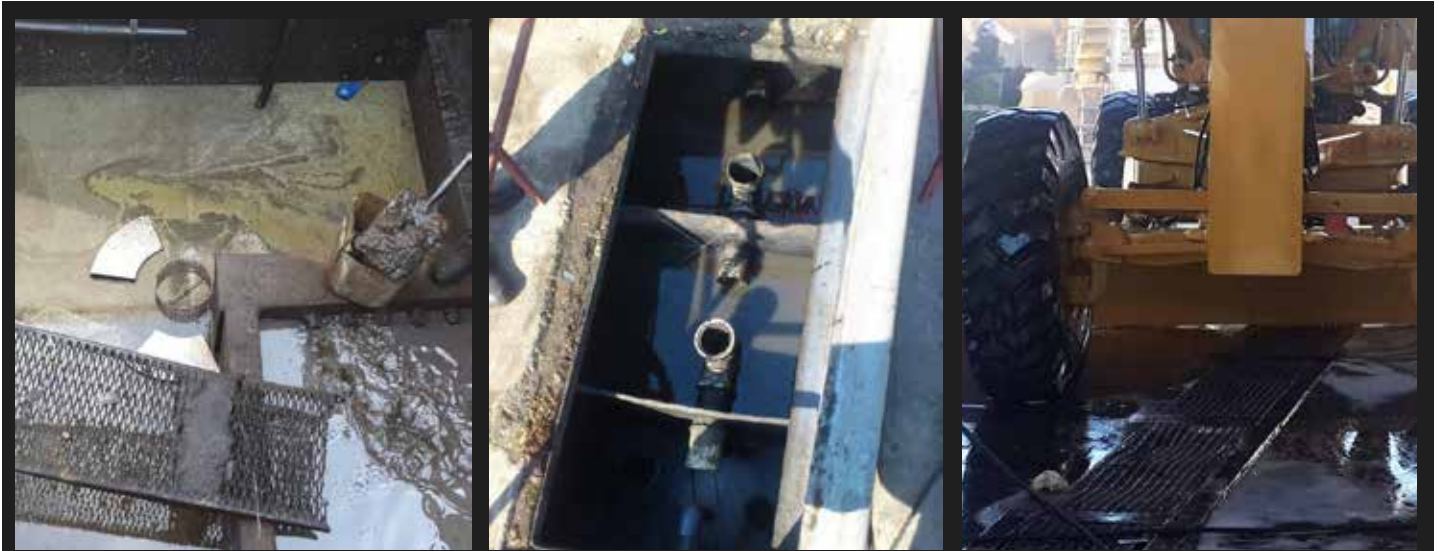
Q: ARE YOUR STRUGGLING TO REMOVE SOLIDS FROM YOUR OILY WATER?

Q: DO YOU WANT TO SAVE WATER, RECYCLE AND BE ENVIRONMENTAL SUSTAINABLE?

Q: DO YOU WANT TO ACHIEVE ZERO DISCHARGE STATUS AND RECYCLE YOUR EFFLUENT?

Q: ARE STRUGGLING TO MEET EFFLUENT SPECIFICATIONS LIKE COD, TDS, TSS, pH or CONDUCTIVITY?

**ASK THESE QUESTIONS TO YOUR FACILITIES/WASH BAY MANAGER, ENGINEER OR SHERQ MANAGER !!**



**NOT ALL PROBLEMS ARE THE SAME – ~~ONE SIZE FITS ALL~~ – WE PROVIDE CUSTOMISED SOLUTIONS IN ORDER TO DO COMPREHENSIVE LIQUID EFFLUENT TREATMENT !!**

METHODOLOGY: Site visit to assess and size your system - Sample analysis to characterize your effluent - Design of separation process - Recycle of treated effluent to = **ZERO DISCHARGE DRIVER**: Businesses with ISO 9001/14000 certification must have a water effluent system that complies with an international standard such Euro Norm 858.

### OVERALL SAVINGS VALUE ADDED SERVICES

- Savings in effluent disposal fees.
- Recycling clean effluent to process, saving potable water costs.
- Elimination of penalties paid to the municipality for off spec effluent
- Saving on chemical treatment costs by using degreasers effectively.
- Proper water meter installation

### VALUE ADDED SERVICES

- Repairs to existing oil/water separators
- Regular water balance & leak detection
- Training of staff on resource efficiency
- Training of operators on wash bay management

### TECHNOLOGIES APPLIED

- Gravity Separation
- Biological Treatment
- Hydrocyclone separation
- Reverse Osmosis
- Ultrafiltration

FOR A QUOTE OR SYSTEM ASSESSMENT CONTACT 016 933 8074 or 082 549 6063 or [sales@tshegofentse.co.za](mailto:sales@tshegofentse.co.za)



## FAT/GREASE TRAP CLEANING SOLUTIONS



**QUESTIONS, ARE THESE YOUR TYPICAL PROBLEMS:**

Q: BLOCKAGES OF SEWER

Q: ODOUR PROBLEMS

Q: EFFLUENT DISCHARGE PENALTIES ON **pH, COD, SULPHIDES, DISSOLVE SOLIDS, CONDUCTIVITY OR SUSPENDED SOLIDS**

ALL ASSOCIATED WITH FOG's (fats oils and greases) = YOUR ENEMY !!!

Root cause: Hydraulic load, volume of effluent and size of trap OR Organic load, amount of organic waste

### Fat/Grease Traps found commonly in these industries

- Catering businesses
- Restaurants
- Fast foods
- Butcheries
- Bakeries
- Conference centres
- Hotels
- Hospitals
- Canteens
- Schools & colleges
- Shopping Malls
- Washbays
- Mechanical workshops floors
- Petrol Filling stations

In South Africa the SANS 10 400P national building regulation covers the design and specifications of grease traps.

### Tshegofentse's Unique step by step solution is 2 ways for your fat/grease

1. Mechanical cleaning &
2. Chemical treatment (our chemicals are bio-degradable)

We first apply the mechanical process either through washing and vacuuming of the fat trap to identify the problem, thereafter we would recommend a sustainable solution to your problem which will address the breakdown of organic matter, the odour problems and finally we ensure that the effluent leaving your business complies with your local municipality specification.

**OVERALL SAVINGS : Maintenance costs + business downtime losses + safe & hygienic environment + corrosion prevention on equipment + Effluent discharge penalties for COD**

EACH BUSINESS SHOULD BE A RESPONSIBLE CITIZEN, BY TREATING YOUR WASTE YOU ARE REDUCING YOUR LOAD TO YOUR LOCAL WASTEWATER TREATMENT WORKS. AVOID PENALTIES AND CALL US.



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