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Green Skip Services
Administration Building
Maghtab NXR08



BUILDING SERVICES CONSULTANTS,
ENERGY & ENVIRONMENT
SUSTAINABILITY, FM CONSULTANTS

For the attention of Ms Ondine Gaerty

Dear Ms Gaerty

LEAK TIGHTNESS TESTING

With reference to the above subject, kindly find attached our report for your perusal.

We trust the above is in line with your requirements. Should you need any further assistance please do not hesitate to contact the undersigned.

Yours faithfully,
MEDITERRANEAN TECHNICAL SERVICES LIMITED

Ing. Liana Vella
Consulting Engineer



lv/vb



MTS QUALITY ASSURANCE SYSTEM

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LEAK TIGHTNESS SURVEY REPORT

1. Scope

To assess the leak-tightness of the spill channel, associated reservoir and the cesspit, as required by Green Skip Services' IPPC application.

2. Description

A spill channel and 2No. reservoirs are provided to contain any liquid spills from 6No. storage bays.

The spill channel is made of concrete and measures about 50m in length, 100mm deep and 30cm wide. It is covered by thick metal plates capable of withstanding heavy vehicles. The plates also prevent rain water ingress in the channel.

The metal plates stand slightly proud from the ground at the storage bay side such that any spills can be entrained into the channel.

The two spill reservoirs are made of concrete each having a storage capacity of roughly 250 litre. One spill reservoir is located midway down the spill reservoir and the other located at the end of the spill reservoir. The spill channel is sloped towards the spill reservoirs.

The cesspit is located close to the offices and is used to contain the waste water resulting mainly from the offices.

3. Survey Procedures

In order to assess the leak tightness of the spill channel, associated reservoir and cesspit, these were fully charged with water. The water was allowed to stand overnight and any changes in water level were noted.

4. Observations

On 19/11/2012 at 15:00 the spill channel, associated reservoirs and cesspit were completely filled with water.

On 20/11/2012 at 15:00 it was observed that the spill channel and cesspit retained the water, with only a minor change in volume.

5. Comments and Recommendations

From the results obtained it can be concluded that the spill channel, associated reservoirs and cesspit are all water tight. It is important that these tests are repeated from time to time to ensure they always retain their water tightness.



Photo 1: Charging spill channel and cesspit with water



Photo 2: Spill channel and cesspit (with dipstick insert) after 24 hrs