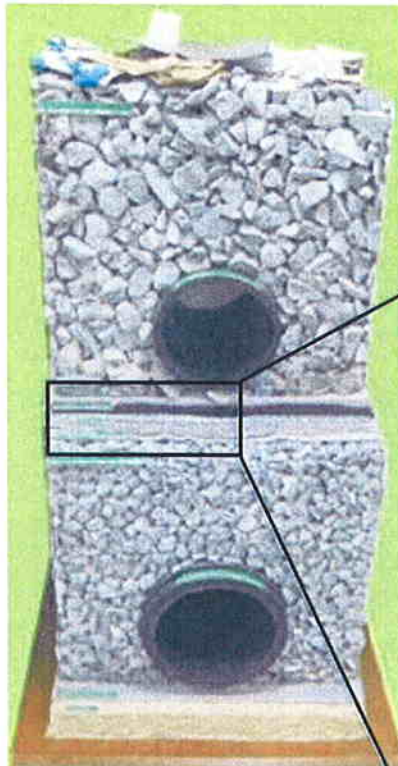


Appendix 7.1

**LFG Protection
Measures in Existing
NENT Landfill**

LFG barrier



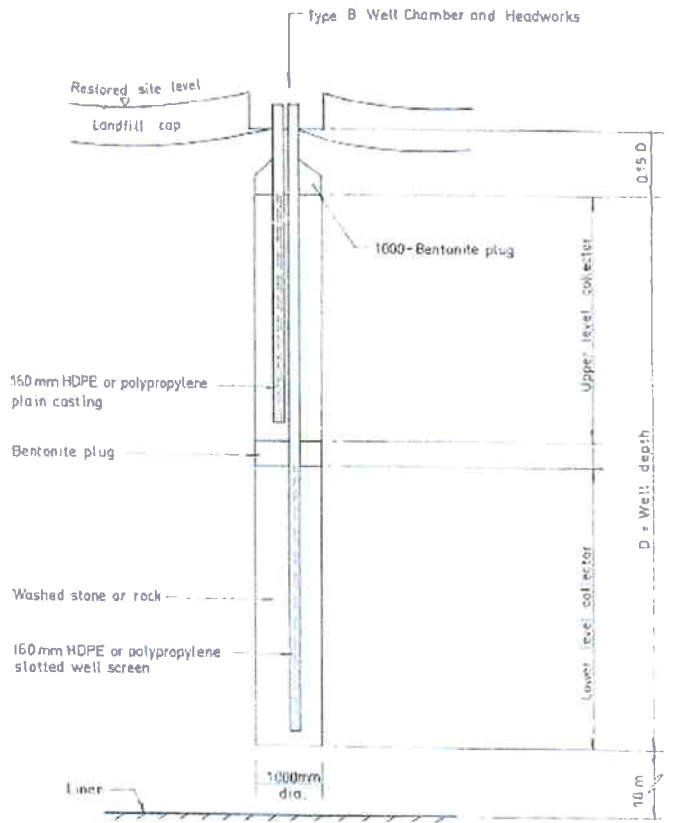
Cross-section of lining and leachate collection system



Liner system as LFG barrier (from top down)

1. Non-woven geotextile cushion (1200g)
2. 2mm high density polyethylene (HDPE) liner
3. 6mm bentonite matting
4. Non-woven geotextile filter (200g)

LFG collection & extraction systems



GAS ABSTRACTION WELL TYPE 03
FOR INSTALLATION DEPTHS > 60m

Cross-section of gas abstraction well



Well head & pipeline for extraction and conveyance of LFG

LFG treatment system



Flare for combustion of LFG

LFG utilisation systems



Gensets for power generation using LFG



Ammonia stripping plant using LFG to heat up raw leachate