

Our Ref: BF4858/2/RW001

Date: 28/11/14



Simon Milford
Biffa Waste Management Limited
Trecatti Landfill Site
Merthyr Tydfil
CF48 4AB

4245 Park Approach
Thorpe Park
Leeds
LS15 8GB
Tel: 0113 2328571
www.stratus-environmental.co.uk

Dear Simon,

Trecatti Landfill Site – SNRHW Cell

Further to the meeting held on the 24th November 2014, the following letter and attached drawings provide the additional supporting information requested by the Environment Agency in relation to the SNRHW cell permit application.

In order to address issues relating to the volume and open area of non-hazardous waste which would be required to support the various stages of the SNRHW cell filling, a phasing plan has been modelled for the initial six stages of filling of the cell.

Drawing BF4858/2/300 indicates the initial six stages of filling in the cell up to the point at which the western end of the cell can be permanently capped. **Drawing BF4858/2/301** provides cross sections through the proposed cell.

Table 1 on Page 2 provides a summary of the volume and surface area of each of the waste types on a stage by stage basis. The proposed separation bund material has been included within the stable non-reactive hazardous waste volumes.

From Table 1 it can be seen that the worst case open area of non-hazardous waste would be 28,934m² (15,046m² + 13,888m²) which would be experienced immediately after completion of filling in Stage 5 but before the Stage 5 permanent capping had taken place. As the total site area of Trecatti Landfill Site is around 33Ha, this worst case open area of 2.9Ha would equate to around 8.8% of the site area.

Intermediate temporary capping could reduce the open area further although this has not been included in this assessment.

TABLE 1: SUMMARY OF SURFACE AREAS AND VOLUMES BY FILLING STAGE

Stage	Volume of SNRHW and separation material required (per stage)	Volume of Non- Hazardous Waste Required For support (per stage)	Surface Area of SNRHW and separation material		Surface Area of Non-Hazardous Waste	
			Uncapped or temporary cap	Permanently capped	Uncapped or temporary cap	Permanently capped
	m ³	m ³	m ²	m ²	m ²	m ²
1	17,157	28,436	3,878		5,695	
2	17,957	37,283	7,285		12,588	
3	73,330	122,569	11,573		21,080	
4	58,341	84,312	15,753		26,301	
5	33,063	44,179	8,825	7,521	15,046	13,888
6	50,135	34,141	11,074	7,521	16,599	13,888
Total Volumes	249,983	350,920				

Stage 1 on **Drawing BF4858/2/300** indicates the location of the temporary surface water deflection bund which would be required whilst Stage 1 was being infilled. This temporary bund would be constructed of the same materials and to the same standard and with the same design as the proposed permanent separation bunds.

We trust the enclosed is acceptable to yourselves, however, if you require any further information or clarification please do not hesitate to contact us.

Yours sincerely

Rupert Wilks
for and on behalf of
Stratus Environmental Limited

Enc.