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21st November 2005

Our Ref: MGE0031LT0031GAL
File Ref: *340*

Re: Killarney Waste Disposal – WL217-1

Dear Sir/Madam,

We refer to the abave Waste Licence Application and to discussions with the Inspector regarding the proposed vortex dryer at the facility. We now attach information in Tables E1 (ii) and (iii) on estimated air emissions from the proposed vortex dryer as provided by the supplier Gleneden Ltd. These emission limits are generally based on TA Luft 2002.

It is proposed to carry out at least ***two*** monitoring events when the vortex dryer is operational of both the untreated and treated air. If the results are elevated above the proposed emission limits, mitigation measures will be installed to attain these emission limits.

Odourous compounds (H_2S and other reduced sulphur compounds) are oxidised in the turbulent high temperature mixing zone of the dryer. Air discharged from the vortex dryer will be treated in an air filter prior to discharge to atmosphere.

We are providing this information on behalf of Killarney Waste Disposal.

We trust this is satisfactory, but please do not hesitate to contact the undersigned if you have any queries.

Yours sincerely,

Siobhan Aherne

Siobhan Aherne
Senior Project Scientist
For and on behalf of RPS Consulting Engineers

sa/wm

cc. Sean Murphy, KWD

Encl

TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. Nº:	A5
Source of Emission:	Vortex Dryer
Location :	In Material Recovery Building
Grid Ref. (12 digit, 6E,6N):	936498 E 939287 N
Vent Details Diameter: Height above Ground(m):	 350mm 6m
Date of commencement:	Early 2006

Characteristics of Emission :

Average/day	m^3/d	Maximum/day	m^3/d
Maximum ratelhour	7,200 m^3/h	Min efflux velocity	$m.sec^{-1}$
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources: Volume terms expressed as :	☐ wet.	☐ dry.	_____%O*

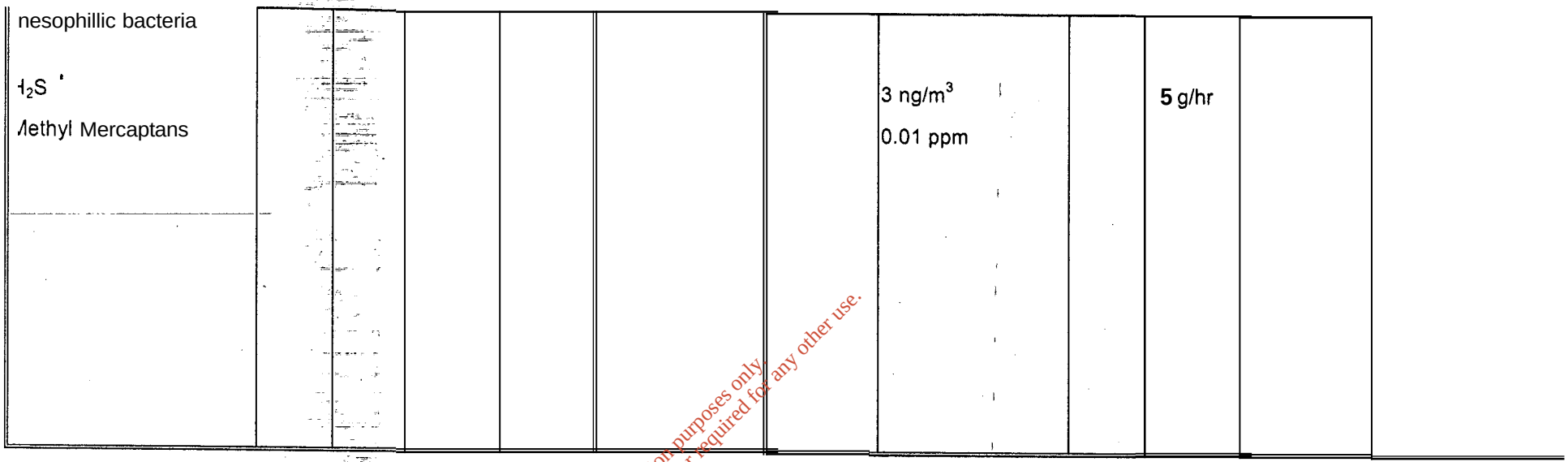
(iii) Period or pe
seasonal var

Periods of Emission (avg)	_____min/hr _____hrlday _____day/yr

TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: A5

Parameter	Prior to treatment(')				Brief description of treatment	As discharged"'					
	mg/Nm^3		kg/h			mg/m^3		kg/h.		kgiyear	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max
'articulates					Vortex Drying Process and Air Filter		20				
rmmonia							20		0.10		
norganic gaseous hlorine compounds nder 5.2.4 Class III idicated as hydrogen hloride							20		0.10		
)rganic substances if an !mission reduction ratio f 90% is observed to be idicated as total carbon							20				
>dour-intensive ubstances							500 GE/m^3				
Bioaerosols otal fungi (includes spergillus fumigatus) &							1,000-5,000 5,000-10,000 CFUm^3				



1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E. 1(ii) unless clearly stated otherwise.