



Dr. Karen Creed
Licensing Unit
Office of Licensing and Guidance
Environmental Protection Agency Headquarters
PO Box 3000
Johnstown Castle Estate
County Wexford
Ireland

9th January 2007

RE: Lawlor Brothers Waste Disposal t/a Access Skips Wheel and Truck Wash Information W0227-01

Dear Karen,

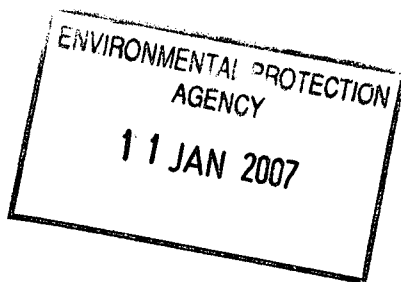
Please find enclosed 3 No. hard copies and 16 CD Rom copies of additional information concerning the wheel and truck wash drainage system.

Should you have any queries in relation to the above matter please do not hesitate to contact us here at the office.

Yours sincerely,

On Behalf of White Young Green Environmental (Ireland) Ltd.,

Natasha Murphy
Environmental Scientist BES MSc



Dr. Karen Creed
Licensing Unit
Office of Licensing and Guidance
Environmental Protection Agency Headquarters
PO Box 3000
Johnstown Castle Estate
County Wexford
Ireland

January 8th 2007

RE: Wheel and Truck Wash Water run-off on site at Lawlor Brothers Waste Disposal Ltd t/a Access Skips, JFK Industrial Estate, JFK Road, Naas Road, Dublin 12 - W0227-01

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Dear Karen

Please find attached a copy of the proposed drainage system for the wheel wash and truck wash areas for the recycling facility at Lawlor Brothers Waste Disposal Ltd t/a Access Skips, JFK Industrial Estate, JFK Road, Naas Road, Dublin 12.

Please note that the wheel wash is not attached to the foul water drainage system, however the foul water piping runs beneath the wheel wash itself. The wheel wash drains into the surface water drainage system and into the southern most silt trap located at the north entrance of the site.

It is proposed that c. 9,500 tonnes of the total 95,000 tonnes to be collected by the Lawlor Brothers will be municipal waste. Trucks carrying this category of waste have the potential to contain contaminants not suitable for discharge to storm water. However, given that this category

of material represents only a tenth of the proposed waste to be accepted by the facility annually, the potential for contaminants entering the foul water system is low.

During the construction phase of the truck wash bay area a silt trap sump will be placed beneath the truck wash. This will minimise the amount of dirt and silt entering into the foul water system.

Approximately 18L water per minute is discharged from the Porto Tecnica Power Washer system presently used on site. On average, it takes 5 to 10 minutes to wash down a 20 tonne truck. For the purpose of this calculation, a wash down time of 7.5 minutes per vehicle was used. At present roughly 20 trucks per week are washed on site. It is estimated that with the proposed intake of 95,000 tonnes, roughly 126 trucks will be washed on site on a weekly basis. This calculates to an estimate 17,010L of water per week (884,520L per year) to be discharged into the foul water drainage system.

Waste Streams Clarification

It was observed by agency staff that quantities of 'black bag' (municipal type waste) were present during a recent site visit. It is reported by Lawlor Brothers that occasionally, small amounts of this waste are collected by Access Skips in domestic skips or from house clear outs. At present this waste is segregated and sent off site for disposal at an appropriate licence facility.

A review of the proposed waste streams for the site are as follows;

The waste accepted on the site consists of dry solid non-hazardous waste. All waste is delivered to the facility by trucks. All skips are covered with netting or tarpaulin during transportation. On arrival, all recyclable waste is segregated and transferred to the relevant storage area. Non-recyclable waste is bulked up and transported to landfill.

Household Waste

Household waste is accepted at the facility mainly in the form of bulky waste collected in skips from house clear-outs. This non-putrescible waste comes in the form of furniture and other domestic construction and demolition waste. Currently this waste stream accounts for approximately 50% of the waste accepted at the facility. It is proposed to process approximately 9,500 tonnes/annum of domestic/municipal type waste at the new redeveloped facility. This will comprise a mixture of paper, cardboard, wood, metals, and

some putrescible and green wastes. These wastes will be prioritised for treatment on site and will generally be processed within 8 hours of arrival (maximum 24 hours).

Commercial and Industrial Waste

Commercial and industrial wastes will be accepted at the facility. This waste comprises mainly of packaging waste including plastics (rigid and flexible), cardboard, paper, wood and some metals.

Construction and Demolition Waste

Construction and demolition material generally arrives on-site in skips and trucks of varying sizes. Recyclable materials such as timber, metals and plastics are removed from the waste stream for recycling,

It is proposed to increase the level of segregation for construction and demolition waste at the new upgraded facility. This will be in line with government targets to recycling 85% of construction and demolition waste by 2013. It is planned that concrete bricks and blocks will be segregated out for further recycling and use as sub base material for roads, footpaths, carparks etc. Uncontaminated waste soils may be used as landfill cover material.

Individual Waste Streams

Cardboard & Paper

Cardboard is segregated on the hand picking station and is baled on site. Cardboard bales may be stored in Building 2 prior to export off site for further recycling.

It is proposed that the level of cardboard recycling at the facility will continue to grow over the coming years, particularly in response to the requirements of the Packaging Regulations. The Company hopes to further expand its cardboard recycling service in order to help meet the national demand and national recycling targets.

Plastics

This waste stream generally arrives on-site in mixed waste loads. The level of plastic segregation is largely dependant on whether a market is available for the end product and this varies from time to time. If markets are available, plastic is segregated from incoming waste and baled for transport to plastic recyclers. Some incoming waste loads consist almost entirely of plastic and in some cases of a specific type of plastic. These wastes are readily segregated and baled prior to export off site for further recycling. Non recycled

plastics are bulked up and transported along with other non-recyclable waste to landfill. The company will review the possibility of use of these wastes at appropriately licensed Waste to Energy plants in the EU.

Metals

Metals are segregated from incoming waste and transferred to metal recyclers.

Wood

Wood waste is segregated from incoming waste and sent to recyclers for reprocessing. The wood may be shredded on site prior to export.

Glass

Glass is segregated from waste and sent to glass recyclers for reprocessing.

Concrete

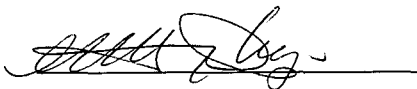
It is proposed to increase the level of segregation of concrete bricks and blocks from the construction and demolition waste stream. This element will be exported to appropriate facilities crushing and reuse in the construction industry.

Stones and Soil

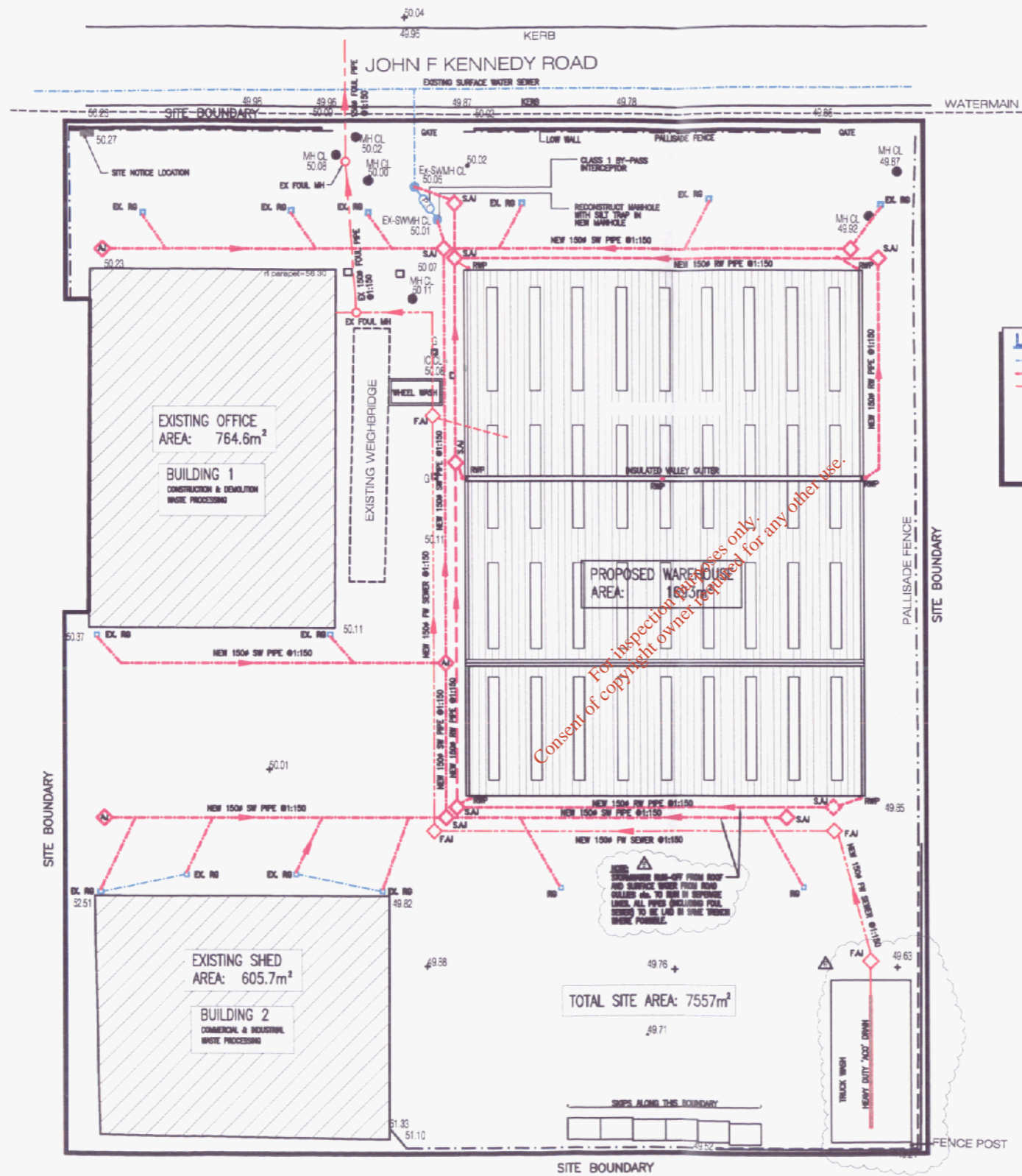
Stones and soil are and will be recovered from incoming waste streams. Uncontaminated soil and stones can be used for landfill cover or land reclamation projects.

Should you have any queries in relation to any of the above matters please do not hesitate to contact us here at the office

Sincerely



Natasha Murphy
Environmental Scientist BES MSc.



LEGEND:

- EXISTING SURFACE WATER SEWER
- NEW SURFACE WATER SEWER
- EX FOUL SEWER
- MH
- RWP
- BBT
- SAJ
- H
- PI

EXISTING SURFACE WATER SEWER
 NEW SURFACE WATER SEWER
 EX FOUL SEWER
 MANHOLE
 RAIN WATER PIPE
 BACK INLET GULLY TRAP
 ACCESS JUNCTION
 HYDRANT
 PETROL INTERCEPTOR

FOR CHANGE DETAILS READ IN CONNECTION WITH DRAWING C003787-08

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Rev	Description	By	Chk	App	Date
B	REVISED AS SHOWN	JD	DB	DB	14/06/08
A	ISSUED FOR CONSTRUCTION	LK	DB	DB	24/06/08
T1	ISSUED FOR TENDER	JD	DB	DB	28/05/08

LAWLOR BROS.

Engineering Management Environmental Planning
 Apex Business Centre
 Blackthorn Road
 Sandyford
 Dublin 18
 Tel: 00353 1293 1208
 Fax: 00353 1293 1250
 e-mail: dublin@wyg.com
 Consulting

ACCESS WASTE NEW SORTING FACILITY

Drawing Title:
 PROPOSED DRAINAGE LAYOUT

Scale at A1	Drawn By	Date	Checked By	Date	Approved By	Date
1:250	LK	June 05	DB	June 05	DB	June 05
Project No.	Office	Type	Drawing No.	Revision		
C003787	11	C&S	07	B		

APPROVAL INFORMATION TENDER CONTRACT CONSTRUCTION