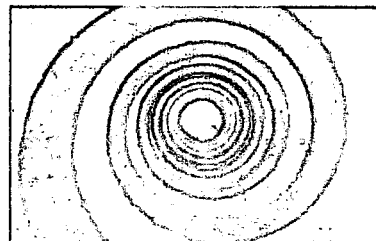


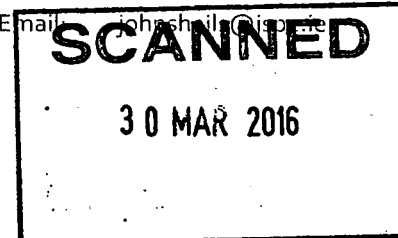
Ms, Ewa Babiarczyk,
 Inspector,
 c/o Administration,
 Environmental Licensing Programme,
 Office of Climate, Licensing & Resource Use
 Environmental Protection Agency
 Headquarters, PO Box 3000
 Johnstown Castle Estate
 Co. Wexford



JSPE

J Sheils Planning & Environmental Ltd
 31 Athlumney Castle, Navan, Co Meath
 Phone/Fax: Ireland +353 46 9073997
 Mobile: John Sheils +353 87 2730087
 Email: johnsheils@jspe.ie

Date: 20th March, 2016
 Our Ref: JSPE 173_L16
 Your Ref: W0265-01



Re: Notice in accordance with Article 14(2)(b)(ii) of the Waste Management (Licensing) Regulations
Waste Licence Application by CLASHFORD RECOVERY FACILITY LTD for the continued operation of its existing Waste Recovery Facility on lands at Naul townland, Naul, Co. Meath (National Grid Reference 285633E 253005N).

Dear Ms Babiarczyk,

On behalf of Clashford Recovery Facility Ltd, we have prepared the following response to your notice issued on 2nd October 2015 in accordance with Article 14(2)(b)(ii) of the Waste Management (Licensing) Regulations.

The notice relates to a number of compliance requirements under Article 12 with respect to the above Licence application.

Most of the requirements have been addressed by the appointed hydrological, hydrogeological and environmental Consultants (Hydro Environmental Services). A copy of their response is provided as Attachment A.

A number of revised drawings have been included with this submission. A list of Drawing titles, drawing numbers and revision status is attached:

For ease of reference we have provided our response to the Article 12 compliance requirement items as follows:

RECEIVED	
Time	16.20
21 MAR 2016	
<i>M. Hanney</i>	
Environmental Protection Agency HQ, P.O. Box 3000, Johnstown Castle Estate, Co. Wexford.	

Table 3.6.2 Dust Deposition Results (mg/m²/day)

Monitoring Period	A2-4	A2-5	A2-6	A2-7
21/04/08 to 21/05/08	22	5	*	*
11/07/14 to 11/08/14	227.7	31.1	40.5	27

* Stations not established at date of survey

The results show that the dust levels at the site boundary are within the recognised TA Luft dust deposition limit value of 350 mg/m² per day.

The following table of Noise monitoring results was included in the 2014 EIS.

Table 3.7.1 Noise Monitoring Results

Location	Sampling Interval	L _{Aeq} dB	L _{A10} dB	L _{A90} dB	Sampling notes
N4	15:24-16:11hrs 22/07/14	46.19	47.1	37.53	The weather conditions prevailing at the time were warm and sunny with slight to no breeze. Activity at the WRF comprised lorries unloading, and intermittent operation of an excavator and bulldozer. Distant road traffic audible.
N5	14:08-15:08hrs 22/07/14	45.26	47.26	37.52	
N6	9:46-10:48hrs 25/07/14	42.41	44.07	34.31	The weather conditions prevailing at the time were warm and sunny with light easterly breeze. Activity at the WRF comprised lorries unloading. Construction activity not associated with quarry was audible from the direction of Naul Village.
N7	8:39-9:39hrs 25/07/14	42.52	42.47	32.67	The weather conditions prevailing at the time were warm and sunny with light easterly breeze. Activity at the WRF comprised lorries unloading, and intermittent operation of an excavator and bulldozer.

The noise levels measured on site are in compliance with condition No. 6 of P.A. Reg. Ref. QY/36 (17.QC.2085).

Table I.6(i) Ambient Noise Assessment

Date: 21/04/08

Station	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
N4:	313217E, 261445N	54.0	55.4	51.0
N5:	313157E, 261649N	52.3	54.2	49.4

NOTE: 1. All locations are identified on accompanying Figure F.1.0 - Rev B.

2. Weather Conditions – dry and overcast with sunny spells, Wind 1.6 – 5 m/s, 8-9°C.

The noise levels measured are in compliance with planning permission P.A. Reg. Ref. QY/36 (17.QC.2085) i.e. Condition No.7 - "the noise levels associated with day to day activity, when measured from any house in the vicinity of the quarry, shall not exceed 55 dB (a) leq over a measured time interval of one hour by day time and shall not exceed 45 dB (A) leq over a measured time of 15 minutes by night time. These levels may be exceeded to allow temporary but exceptionally noisy phases in the extraction process or for short term construction activity which is required to bring long-term environmental benefits following written consent by Meath County Council".

A revised Environmental Monitoring Plan F 1.0 Revision B has been included with this submission.

4. State whether the proposed reed bed polishing filter is still planned for the site. If yes, provide information on its location, design and operation, including the commencement date for its operation.

Refer to separate response prepared by Hydro Environmental Services (Attachment A).

5. Provide copies of the Annual Environmental Reports submitted to date to Meath County Council as required under the Waste Permit Reg. No. 2005/25.

Please find attached copies of Annual Environmental Reports (Attachment B) submitted to date to Meath County Council as required under Waste Permit Reg. No. 2005/25. Please note that Waste Permit Reg. No 2005/25 was granted on 30th November 2005. As stated in the original Licence application the lands have been progressively restored subject to successive Waste Permits dating back to 2001. However the requirement to submit AER's to Meath County Council was only formalised following the issue of Waste Permit Reg. No 2005/25. A summary of the quantities of inert waste placed in the quarry to date taken from the AER's is provided in Table 3 below.

6. Provide the following information regarding waste:
(i) State the proposed annual intake tonnage and relevant EWC codes for waste.

It was proposed in the Waste Licence Application that circa 90,000 cubic metres per annum of inert materials will be accepted to site. It was estimated that c. 20,000 tonnes per annum of inert C&D waste was to be recovered at the facility.

As stated in the 2014 EIS (Section 2.2.2.3 Duration of Development):

"Based on the proposed scheme and an expected backfilling rate of between 70,000 to c. 85,000 cubic metres per annum".

This equates to an expected backfilling rate of between 140,000 to c. 170,000 tonnes per annum on the basis of an assumed density of 2 tonnes/cubic metre for imported soils.

The following table provides a summary of the proposed annual intake tonnage and relevant EWC codes.

Table 1 Waste Material & Recovery Rates

Waste material	EWC Code	Quantity	On-site recovery (Method & Location)
		Tonnes / annum	
Concrete	17 01 01	20,000	Will be used to construct haul roads and hardstanding areas on site and/or processed for secondary aggregates
Bricks	17 01 02		As Above
Tiles & Ceramics	17 01 03		As Above
Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	17 01 07		As Above
Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	17 09 04		As Above
Soil and stones other than those mentioned in 17 05 03	17 05 04	140,000 to 170,000	Used to restore sand & gravel pit workings

6.(ii) State the quantity (in tonnes) of soil and stone that has been placed in the quarry to date.

The following Table 2 provides a summary of the quantity (in tonnes) of soil and stone that has been placed in the quarry to date. The table also provides an estimate of the volume of void space remaining at Clashford Recovery Facility.

The existing site layout has been updated and is shown by the revised site plan Figure B 2.1 Rev B. This plan shows that Phase 1 is now completely restored together with lands previously restored under previous waste permits for the site. Phase 2 is also nearing completion. During the course of restoration of Phase 2 an additional small area of failed forestry has now been included, together with some lesser additions due to linking up agricultural tracks and temporary topsoil storage to the north east.

In order to better blend the landform with the existing landscape and to facilitate surface runoff, Phase 1 and 2 are in places 1 to 3 metres higher than originally envisaged. It is also proposed to

slightly revise phase 3 to a more natural landform. The final contours and topography for the site are shown by the revised Final Landform Plan, Figure B.2.4 – Rev B and Cross Sections B.2.5 – Rev B.

The intention is to develop the lands for agricultural use/woodland. To this end the lands previously restored, including Phase 1, are now being grazed by sheep and horses. A large section of Phase 2 is also currently nearing completion.

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Table 2 Volume of Void Space at Clashford Recovery Facility

Phase	Void Space						Life Span Remaining
	Filled		Remaining		Totals		
	m ³	tonnes	m ³	tonnes	m ³	tonnes	
Restored Lands	380,000	760,000	None	None	380,000	760,000	Completed 2009
1	210,000	420,000	None	None	210,000	420,000	Completed 2011
2	424,000	848,000	27,000	54,000	451,000	902,000	5* months
3	51,000	102,000	188,000	376,000	239,000	478,000	3* Years
Final Restoration	-	-	-	-	-	-	1 year
Totals	1,065,000	2,130,000	215,000	430,000	1,280,000	2,560,000	

Notes:

1. * Assumes 70,000 m³ recovered per annum (subject to market conditions).
2. Assumes density of imported soil and stone as 2 tonnes/m³

6.(iii) State the quantity (in tonnes) of C&D waste which has been placed in the quarry to date. Include an EWC code for each type of C&D waste placed in the quarry.

The Following table provides details of the quantities of inert Waste and the relevant EWC codes for materials placed in the quarry to date. The quantities of materials placed show good correlation with the quantities determined from topographical survey of the quarry (Refer to table 2 above). The difference is c. 4% which is accounted for by a number of factors including variability in density of materials placed, compaction and survey accuracy.

Table 3 Quantities of inert waste placed in the quarry to date

Year	EWC Code		Totals	Comments
	17 05 04	17 01 01		
2001	554,000		554,000	No AER's submitted prior to 2006. No Company records retained being over 11 years ago. Fill quantities determined from 2004 end of year topographical survey
2002				
2003				
2004				
Aug-05	150,000		150,000	Fill quantities determined from topographical survey
Dec-05	164,568		164,568	Fill quantities determined on pro-rata basis
2006	268,704	1,448	270,152	Details taken from AER's submitted to Meath County Council.
2007	232,907	34,803	267,710	
2008	121,553	16,720	138,273	
2009	46,873	27,103	73,976	
2010	72,041	8,500	80,541	
2011	83,391	4,674	88,065	
2012	94,216	8,728	102,944	
2013	112,339	10,303	122,642	
2014	143,430	26,860	170,290	
2015	234,229	52,470	286,699	
Totals	2,278,251	191,609	2,469,860	

6.(iv) State the total capacity (in tonnes) of the quarry from the commencement of the fill to its completion.

Refer to table 2 above. i.e. 2,560,000 tonnes.

6.(v) State the remaining capacity (in tonnes) for the fill to be completed and the expected completion date.

Refer to table 2 above. i.e. 430,000 tonnes. It is expected that the void space remaining will be filled within 3 to 3.5 years at a fill rate of up to c. 140, 000 tonnes per annum.

7. A screening for Appropriate Assessment was undertaken on 29 September 2015 and the agency determined that an Appropriate Assessment of the activity is required. You are thereby required to submit a Natura Impact Statement as defined in Regulation 2 (1) of the European Communities (Birds and Natural Habitats) Regulations (S.I. No. 477 of 2011).

Refer to separate response prepared by Hydro Environmental Services (Attachment A). Please note that the response prepared by Hydro Environmental Services (HES) was also subject to review by the appointed ecological consultants, Roger Goodwillie & Associates. The following statement from Roger Goodwillie is included in the HES submission.

"The recent monitoring of the Delvin River has shown that outflows from the site have not altered the condition of the river to any significant extent. In addition EPA Q- values show that on all sampling occasions the river below the development site is in better condition than that above it. Invertebrates (what Q-values are based on) are more sensitive to substances in the water than birds, so if they are not affected then neither will the visiting birdlife which is the basis of the SPA designation". (Dr. Roger Goodwillie, Consulting Ecologist 2016, pers. comm., 22nd January 2016).

We consider that on the basis of the findings of HES and that of Ecologist Roger Goodwillie & Associates that the findings of the screening for Appropriate Assessment were that in view of best scientific knowledge, it is concluded that the activity, individually or in combination with other plans or projects is not likely to have a significant effect on the Natura 2000 network, and the conservation objectives of the sites. A Stage 2 Appropriate Assessment is therefore not required.

We have also included a revised non-technical summary (Application Form) which reflects the information supplied in compliance with the notice (Refer to Attachment C).

A schedule of revised drawings including drawing titles, drawing numbers and revision status is attached.

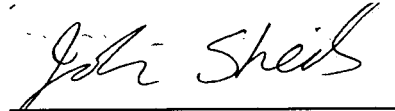
As requested, please find attached one (1) original plus one (1) copy in hardcopy format of this submission. The content of the hardcopy is a faithful reproduction of (i.e. identical to) the electronic files on the accompanying CD-ROM.

In addition, please find enclosed (2) copies of the requested information in electronic searchable PDF format on a CD-ROM. The content of the electronic files on the accompanying CD-ROM's is a true copy of the original submission.

We trust that our submission addresses your compliance requirements under Article 12 with respect to the above Licence application. Please do not hesitate to contact us if you wish to discuss any aspect of this submission.

Yours Sincerely,

For J Sheils Planning & Environmental Ltd,



John Sheils MSCSI MRICS

Enc. *Attachment A – Hydro Environmental Services submission dated 18/03/2016*
Attachment B - Annual Environmental Reports
Attachment C - Revised Non-Technical Summary (Application Form)
Schedule of Revised Drawings (and Drawings).

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