

List of additional documents handed out at hearing 2016

Indaver 632797 / 37

19 April 2016

1. Corrigenda
2. Indaver letter to SRWM with attachment
3. CRO Company Printout
4. CRO Business Name printout
5. Indaver letter of 3 February 2016 to ABP in relation to clerical error
6. ABP letter of 19 February 2016 noting the content of Indaver letter of 3 February 2016

CORRIGENDA

Item 1 - Last Paragraph of Page 6 of Chapter 3 (Alternatives)

Original

In the 2001 EIS, Indaver detailed plans for a two stage development of waste-to-energy on the site. Phase One was to have been a fluidised bed furnace line for hazardous and industrial waste. Phase Two was proposed to have been a moving grate furnace line for MSW. In 2004, An Bord Pleanála granted Indaver planning permission for both phases of the then proposed waste-to-energy facility to treat hazardous and non-hazardous industrial waste.

Corrected

In the 2001 EIS, Indaver detailed plans for a two stage development of waste-to-energy on the site. Phase One was to have been a fluidised bed furnace line for hazardous and industrial waste. Phase Two was proposed to have been a moving grate furnace line for MSW. In 2004, An Bord Pleanála granted Indaver planning permission for Phase One of the waste-to-energy facility. ~~both phases of the then proposed waste-to-energy facility to treat hazardous and non-hazardous industrial waste.~~

Item 2 - Table 7.4. Page 13 of Chapter 7 (Roads and Traffic)

Original Table Error! Use the Home tab to apply Report Level 1 to the text that you want to appear here..1 – Base Traffic Flows, 2019 Construction Year

Roadway	Construction Peaks/Operational Peaks			Existing Network Peaks	
	06:00 - 07:00	14:00- 15:00	18:00- 19:00	07:30- 08:30	16:30- 17:30
N28-North of Shannonpark	970	2140	2523	2806	3046
R611-South of Shannonpark	520	1661	1874	1697	2222
N28 - East of Shannonpark	617	1207	1226	1948	1561
R610 – North of N28	44	375	458	647	704
N28 (East of Raffeen Bridge)	594	1039	1114	1695	1709
Raffeen Rd – North of N28	20	60	100	516	174
N28 (East of Shanbally)	555	797	898	1797	1420
L2492 Shanbally Link Rd	84	193	241	448	347
R613 Barnahely Rd-South of N28	115	236	282	426	391
N28 - (West of Ferry Port)	352	546	544	1064	815
N28 (East of Ferry Port)	109	425	157	571	520
Loughbeg Rd-South of N28	237	84	363	472	263

*All traffic flows in Passenger Car Units (PCUs) per hour

Corrected Table 7.4 – Base Traffic Flows, 2019 Construction Year

Roadway	Construction Peaks/Operational Peaks			Existing Network Peaks	
	06:00 - 07:00	14:00- 15:00	18:00- 19:00	07:30- 08:30	16:30- 17:30
N28-North of Shannonpark	970	2140	2523	2806	3046
R611-South of Shannonpark	520	1661	1874	1697	2222
N28 - East of Shannonpark	617	1207	1226	1948	1561
R610 – North of N28	44	375	458	647	704
N28 (East of Raffeen Bridge)	594	1039	1114	1695	1709
Raffeen Rd – North of N28	20	60	100	516	174
N28 (East of Shanbally)	555	797	898	1797	1420
L2492 Shanbally Link Rd	84	193	241	448	347
R613 Barnahely Rd-South of N28	115	236	282	426	391
N28 - (West of Ferry Port)	352	546	544	1064	815
N28 (East of Ferry Port)	37	157	81	309	250
Loughbeg Rd-South of N28	237	84	363	472	263

*All traffic flows in Passenger Car Units (PCUs) per hour

Item 3 Table 7.5. Page 13 of Chapter 7 (Roads and Traffic)

Original Table Error! Use the Home tab to apply Report Level 1 to the text that you want to appear here..2 – Base Traffic Flows, 2020 Opening Year

Roadway	Construction Peaks/Operational Peaks			Existing Network Peaks	
	06:00 - 07:00	14:00– 15:00	18:00– 19:00	07:30– 08:30	16:30– 17:30
N28–North of Shannonpark	982	2163	2554	2838	3082
R611-South of Shannonpark	527	1682	1898	1719	2251
N28 - East of Shannonpark	624	1218	1241	1969	1577
R610 – North of N28	45	380	464	655	713
N28 (East of Raffeen Bridge)	600	1048	1127	1713	1727
Raffeen Rd – North of N28	20	61	101	523	176
N28 (East of Shanbally)	561	803	909	1817	1435
L2492 Shanbally Link Rd	85	196	244	454	351
R613 Barnahely Rd-South of N28	116	239	286	431	396
N28 - (West of Ferry Port)	356	550	550	1074	822
N28 (East of Ferry Port)	109	427	158	575	523
Loughbeg Rd-South of N28	240	85	367	478	267

*All traffic flows in Passenger Car Units (PCU's) per hour

Corrected Table 7.5 – Base Traffic Flows, 2020 Opening Year

Roadway	Construction Peaks/Operational Peaks			Existing Network Peaks	
	06:00 - 07:00	14:00– 15:00	18:00– 19:00	07:30– 08:30	16:30– 17:30
N28–North of Shannonpark	982	2163	2554	2838	3082
R611-South of Shannonpark	527	1682	1898	1719	2251
N28 - East of Shannonpark	624	1218	1241	1969	1577
R610 – North of N28	45	380	464	655	713
N28 (East of Raffeen Bridge)	600	1048	1127	1713	1727
Raffeen Rd – North of N28	20	61	101	523	176
N28 (East of Shanbally)	561	803	909	1817	1435
L2492 Shanbally Link Rd	85	196	244	454	351
R613 Barnahely Rd-South of N28	116	239	286	431	396
N28 - (West of Ferry Port)	356	550	550	1074	822
N28 (East of Ferry Port)	37	159	82	313	253
Loughbeg Rd-South of N28	240	85	367	478	267

*All traffic flows in Passenger Car Units (PCU's) per hour

Item 4 Table 7.15. Page 27 of Chapter 7 (Roads and Traffic)

Title of Table 7.15

Original

Table Error! Use the Home tab to apply Report Level 1 to the text that you want to appear here..3 – Projected Total Traffic – Operational Phase, 2020, 2025 and 2035 (PCUs per Hour)

Corrected

Table Error! Use the Home tab to apply Report Level 1 to the text that you want to appear here..4 – Projected Total Traffic – Operational Phase, 2020 (PCUs per Hour)

Item 5 – Paragraph 4 of Page 18 of Chapter 13 (Soils, Geology, Hydrogeology, Hydrology & Coastal Recession)

Clarification of planning permission sought by Indaver

Original

As discussed elsewhere in the EIS, Indaver is applying for a 10-year planning permission to commence and complete the construction phase. In addition, permission is sought to operate the proposed development for an initial period of 30 years after commissioning with the option to extend the operating period for a further 30 year period, subject to obtaining a grant of permission for that extended period.

Clarification

10 year planning permission and 30 year operational life from the completion of the construction of the proposed development, is sought. Permission to operate beyond the 30 year operational life will be subject to a separate grant of permission for that extended period.

Item 6 – Paragraph 3 of Page 6 of Chapter 1 (Introduction)

Clarification of planning permission sought by Indaver

In addition, permission is sought to operate the proposed development for an initial period of 30 years after commissioning with the option to extend the operating period for a further 30 year period, subject to obtaining a grant of permission for that extended period.

Clarification

10 year planning permission and 30 year operational life from the completion of the construction of the proposed development, is sought. Permission to operate beyond the 30 year operational life will be subject to a separate grant of permission for that extended period.



Philippa King
Regional Waste Co-ordinator
Southern Region
Waste Management Office
Lissanalta House
Dooradoyle
Co. Limerick.

17th April 2016

RE: 04.PA0045: Indaver's proposed waste-to-energy development

Dear Ms King,

Further to your letter dated the 8th March 2016 to An Bord Pleanala in relation to Indaver's planning application for a waste-to-energy facility, the Ringaskiddy Resource Recovery Centre, we wish to provide you with a response to the two clarifications sought by the Southern Waste Management Region.

Municipal Waste Quantities

The following is an estimate of the breakdown of tonnages for the proposed facility. We can clarify that the quantity of municipal waste that we expect to be processed at the proposed facility will be in the region of 180,000 to 210,000 tonnes per annum. This is based on the operating experience in Meath which in 2015 processed 165,810 municipal waste (EWC 200301) and 45,425 residue from mechanical treatment of municipal waste (EWC 191212), giving a total of 211,225 tonnes for 2015. We expect the municipal waste profile for the proposed facility in Cork to be lower than Meath was in 2015 as it will accept hazardous waste which is not accounted for in the Meath 2015 figures as the licence to accept hazardous waste for Meath was not in operation in 2015.

Indaver Ireland Ltd. ■ Registered in Ireland No. 59667

Registered Office: 4th Floor, Block 1, West Pier Business Campus, Old Dunleary Road, Dun Laoghaire, CO. DUBLIN, IRELAND ■ tel. + 353 1 280 4534 ■ fax + 353 1 280 7865

■ Tolka Quay Road, Dublin Port, DUBLIN 1, IRELAND ■ tel. + 353 1 280 4534 ■ fax + 353 1 280 7865

■ Unit 11, South Ring Business Park, Kinsale Road, CORK, IRELAND ■ tel. + 353 21 470 4260 ■ fax + 353 21 470 4250

■ Meath Waste-to-Energy Facility, Carranstown, Duleek, CO. MEATH, IRELAND ■ tel. + 353 1 280 4534 ■ fax + 353 1 280 7865

VAT Reg. No. IE9F70712T ■ IBAN IE53 AIBK 9334 0630 3250 49 ■ AIBKIE2D

Directors: J. Ahern, C. Jones, J. Keaney

Belgian Directors: P. De Bruycker, M. Decorte, B. Goethals



Therefore, the proposed annual tonnage of 240,000 tonnes in the proposed facility in Cork is intended to be made up of the following waste category ranges:

Waste Type	Annual Tonnage
Municipal	180,000 to 210,000
Industrial	15,000 to 25,000
Suitable Hazardous	15,000 to 24,000

Energy Coefficient

Indaver's EPA licence for the Meath facility, condition 7.2 states that

Condition 7. Resource Use and Energy Efficiency

Reason: To provide for the efficient use of resources and energy in all site operations.

7.1 Energy Efficiency

7.1.1 The recovery of energy shall take place with a high level of energy efficiency.

7.1.2 The licensee shall operate the installation to achieve an energy efficiency of, as a minimum,

0.65 using the formula below to calculate Energy Efficiency:

$$\text{Energy Efficiency} = [E - (E_f + E_i)] / [0.97 \times (E + E_r)] \text{ where}$$

E, = annual energy produced as heat or electricity (GJ/year) (heat produced for commercial use is multiplied by 1.1 and electricity is multiplied by 2.6)

E_r = annual energy input to the system from fuels contributing to the production of steam (G J/year)



E , = annual energy contained in the waste input using the net calorific value of the waste (GJ/year)

E_i = annual energy imported excluding E , and E_f

And 0.97 is a factor accounting for energy losses.

The calculation shall be in accordance with the European Commission's *Guidelines on the Interpretation of the RI Energy Efficiency Formula for Incineration Facilities Dedicated to the Processing of Municipal Solid Waste According to Annex II of Directive 2008/98/EC on Waste*.

Please find attached letters from the EPA stating the Meath facility's energy coefficient for 2014 (0.667) and 2015 (0.77). The climatic factor is not applied to the 2014 figure as it was not applicable at that time and would have improved its score, the climatic factor was included in the 2015 figure. In both cases the energy coefficient for the facility was above the 0.65, demonstrating that the facility is operating as a recovery facility.

As the Cork facility will be designed to the same standard it can be expected that it will similarly meet the minimum energy coefficient of 0.65. as set out in the Industrial Emissions Directive. Indaver expects that meeting the R1 criteria will be a condition of any EPA licence.

We trust this provides sufficient clarification to queries raised by the Southern Waste Management Region to An Bord Pleanála in relation to our planning application.

Kind regards,

A handwritten signature in black ink that reads "Jackie Keaney". The signature is written in a cursive, flowing style.

Jackie Keaney
Commercial Director MSW



Office of
Environmental
Enforcement

Regional Inspectorate, McCumskey House,
Richview, Clonskeagh Road,
Dublin 14, Ireland.

Cigreachta Réigiúnach, Teach Mhic Chumascaigh,
Dea-Radharc, Bóthar Cluain Sceach,
Baile Átha Cliath 14, Éire

T: +353 1 268 0100
F: +353 1 268 0199
E: info@epa.ie
W: www.epa.ie
LoCall: 1890 33 55 99

Ms. Grace McCormack
Quality & Environmental Manager MSW
Indaver Ireland Limited
Carranstown
Duleek
Co Meath

23rd April 2015

Our Ref: W0167-02/gc27dm

Dear Ms. McCormack,

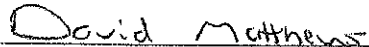
The Agency has reviewed licensee return LR015660, which reports the result of the R1 energy efficiency calculation for the facility, for the period 1st December 2013 to 30th November 2014.

The Agency notes that the result of the energy efficiency calculation, as contained in the above licensee return for the facility is 0.667. The Agency can confirm that the licensee is complying with the requirements of condition 7.2 of IE licence register number W0167-02, to build and operate the facility to achieve an energy efficiency of 0.65.

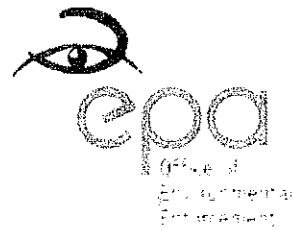
This letter of confirmation is valid for a period of one year, from the date of issue of this letter. The licensee is required to submit a report on the energy efficiency of the facility to the Agency, on an annual basis.

Please contact David Matthews, if you have any queries in relation to this matter.

Yours sincerely



Dr. David Matthews
Inspector
Office of Environmental Enforcement



Ms. Grace McCormack
Quality & Environmental Manager
Indaver Ireland Limited
Carranstown
Duleek
Co Meath

15th April 2016

Our Ref: W0167-03 gc29ame

Dear Ms. McCormack,

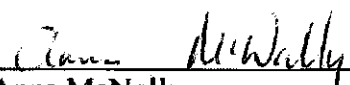
The Agency has reviewed licensee return LR021430, which reports the result of the R1 energy efficiency calculation for the facility, for the period 1st January 2015 to 31st December 2015.

The Agency notes that the result of the energy efficiency calculation, as contained in the above licensee return for the facility is 0.678 (0.77 with climate correction factor). The Agency can confirm that the licensee is complying with the requirements of condition 7.1.2 of IE licence register number W0167-03, to operate the facility to achieve an energy efficiency of 0.65.

This letter of confirmation is valid for a period of one year, from the date of issue of this letter. The licensee is required to submit a report on the energy efficiency of the facility to the Agency, on an annual basis.

Please contact a member of the OEE Enforcement Team in Dublin, if you have any queries in relation to this matter.

Yours sincerely



Anna McNally
Inspector
Office of Environmental Enforcement

Company Printout



Company 904443 **INDAVER NV PLC**

Previous Name(s)

Registered Office 4th Floor, Block 1 West Pier Business Campus
Old Dunleary Road
Dun Laoghaire
Co Dublin

Eircode A96F8C0

R.O.A.

Type External Company

Date Incorporated 24/10/1985

Last Annual Return **Designation** Normal

Next Annual Return Date **Date of Designation** 18/08/2000

Bond Expiry Date

There are no charges registered in respect of the above company. For charges that may be received and not yet registered, please refer to the list of Documents below and if necessary, consult the company file or images for full particulars.

Number of Registered Charges: 0

Number of Charge Notifications: 0

John Ahern 7 The Burrage, Dalkey Co. Dublin	Per Resp. For Compliance
Conor Jones St. Endas 144 South Douglas Road Douglas Cork	Per Resp. For Compliance
Conor Jones St. Endas 144 South Douglas Road Douglas Cork	Per To Acpt. Serv Of Proc.
Jackie Keane 84 Lower Kimmage Road, Harolds Ct Dublin 6w	Per Resp. For Compliance

Company Secretary

Documents	A/Cs To	Date	Date	Date			
Status	Scan	Number	Submission	Date	Effective	Received	Registered
REG	*	2637138	REGISTRATION OF EXTERNAL COMPANY - BRANC	08/08/2000	11/08/2000	18/08/2000	
REG	*	3504397	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2000	13/06/2003	30/06/2003	

REG	*	3504398	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2001	13/06/2003	30/06/2003
REG	*	3504400	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2002	13/06/2003	30/06/2003
REG	*	3970371	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	31/08/2004	08/09/2004	15/09/2004
REG	*	4430401	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	30/09/2005	21/10/2005	24/10/2005
REG	*	4497156	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2004	15/12/2005	09/01/2006
REG	*	4497160	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2003	15/12/2005	09/01/2006
REG	*	4908285	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2005	02/11/2006	06/11/2006
REG	*	4967615	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	01/12/2006	20/12/2006	08/01/2007
REG	*	5293272	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	27/06/2007	31/08/2007	31/08/2007
REG	*	5464720	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2006	03/12/2007	05/12/2007
REG	*	6197858	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2007	04/11/2008	06/11/2008
REG	*	6212274	RESIGNATION OF AUDITOR.	13/11/2008	17/11/2008	18/11/2008
REG	*	6787114	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2008	27/10/2009	28/10/2009
REG	*	6927903	EXTERNAL COMPANY - CHANGE IN PERSON AUTHO	01/12/2009	05/02/2010	10/02/2010
REG	*	6927907	EXTERNAL COMPANY - CHANGE IN PERSON AUTHO	22/12/2009	05/02/2010	10/02/2010
REG	*	6927908	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	22/12/2009	05/02/2010	10/02/2010
REG	*	7269823	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2009	14/10/2010	
REG	*	7657518	EXTERNAL COMPANY - CHANGE IN PLACE OF BUS	23/07/2011	22/07/2011	10/08/2011
REG	*	7789047	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2010	18/10/2011	24/10/2011
REG	*	8297492	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2011	28/09/2012	04/10/2012
REG	*	8930540	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2012	01/11/2013	07/11/2013
REG	*	9417827	EXTERNAL COMPANY - CHANGE IN PERSON AUTHO	18/09/2014	30/09/2014	02/10/2014
REG	*	9417828	EXTERNAL COMPANY - CHANGE IN PERSON AUTHO	18/09/2014	30/09/2014	02/10/2014
REG	*	9417829	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	18/09/2014	30/09/2014	02/10/2014
REG	*	9417831	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2013	30/09/2014	02/10/2014
REG	*	10636751	EXTERNAL COMPANY CHANGE IN DIRECTORS/SEC	11/12/2015	09/03/2016	
REG	*	10636753	ANNUAL RETURN - EXTERNAL COMPANY	31/12/2014	09/03/2016	

* Indicates documents have been scanned for the submission

Submission Status Explanations

CERTP CERTIFICATE PRINTED
CERTS CERTIFICATE SCANNED
DATA DATA ENTERED
REC RECEIVED
RECOR RECORDED
REG REGISTERED
RETAM RETURNED AMENDED
SCAN SCANNED

End of Particulars

Business Name Printout



Business 184192 **INDAVER IRELAND**
Previous Name(s)
Registered Office 4th Floor
Block 1 West Pier Business Campus
Old Dunleary Road
Dun Laoghaire Co. Dublin
Eircode A96F8C0
R.O.A.
Type Business Name - Body Corporate
Date Registered 25/08/2000
Designation Normal
Date of Designation

Business Name Owners

Indaver Nv Plc
4th Floor, Block 1 West Pier Business
Old Dunleary Road
Dun Laoghaire
Co Dublin

Documents

Status	Scan	Number	Submission	A/Cs To Date	Date Effective	Date Received	Date Registered
REG	*	2648381	REGISTRATION OF BUSINESS NAME - OTHER CORP		25/08/2000	29/08/2000	29/08/2000
REG	*	7657568	CHANGE IN PARTICULARS OF BUSINESS NAME - LI		23/07/2011	08/08/2011	17/08/2011

* Indicates documents have been scanned for the submission

Submission Status Explanations

CERTP CERTIFICATE PRINTED
CERTS CERTIFICATE SCANNED
DATA DATA ENTERED
REC RECEIVED
RECOR RECORDED
REG REGISTERED
RETAM RETURNED AMENDED
SCAN SCANNED

End of Particulars

INDAVER

Kieran Doherty
Executive Officer
An Bord Pleanála,
64 Marlborough Street
Dublin 1

03 February 2016

Re: Clerical error on application form for case 04.PA0045

Dear Kieran,

Please note the application form contained a clerical error in sections 2, 3 and 4. In four instances, the company name reads 'Indaver Ireland Ltd' where it should read 'Indaver Ireland'. The company registration number, director details and address are all correct for Indaver Ireland, as are the public notice and site notice.

As discussed, this letter is sufficient to confirm that the clerical error, which does not prejudice any third parties, has been both acknowledged and corrected. We will await instruction from the Board with regard to uploading this information to the standalone planning website.

Apologies for the clerical error and thank you in advance.

Kind regards,

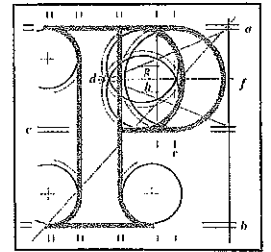

Jane Hennessy

Indaver Ireland ■ Registered in Ireland No. 904443
■ Registered Office: 4th Floor, Block 1, West Pier Business Campus, Old DunLeary Road, Duncloghan, CO
DUBLIN, IRELAND ■ tel. + 353 1 280 4534 ■ fax + 353 1 280 7866
■ Unit 11, Sunco Bay Business Park, Keshmulla Rd., DPK, IRELAND ■ tel. + 353 21 470 4250 ■ fax + 353 21 470 1260

VAT Reg. No. IE041125W ■ IBAN IE61 4537 9334 0600 3240 75 ■ BIC AIBKIE33
Indaver Inc. ■ Registered in Belgium No. 254911 ■ Registered Office: Polhuisdreefweg 5, Haven 356, 6E-2030
ANTWERPEN 3, BELGIUM

Our Ref: 04.PA0045
P.A.Reg.Ref:

An Bord Pleanála



Your Ref:

Jane Hennessy
Indaver Ireland Limited
4th Floor, Block 1
West Pier Business Campus
Old Dunleary Road
Dun Laoghaire, Co. Dublin

19th February 2016

Re: Waste to Energy Facility,
Ringaskiddy, Co. Cork.

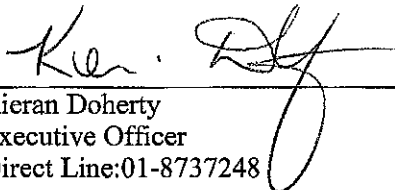
Dear Madam,

An Bord Pleanála has received your recent letter in relation to the above mentioned case.

The content of your letter, with regard to the clerical error, has been noted. The issue should be addressed by Indaver Ireland, with any other errata, at the commencement of the oral hearing.

If you have any queries in relation to the matter please contact the undersigned officer of the Board. Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,


Kieran Doherty
Executive Officer
Direct Line: 01-8737248

ADHOC/PA0045/04