

Ann Kehoe

Subject: FW: Indaver (Carranstown)- surface water discharge rate from site

From: Pat Kinsella [mailto:pkinsella@meathcoco.ie]

Sent: 26 July 2013 17:10

To: John McEntagart

Subject: Indaver (Carranstown)- surface water discharge rate from site

John,

As per Condition 7.I) of the grant of permission on SA 901467, **'The rate of surface water runoff from the proposed development shall not exceed the pre-development 'greenfield' runoff rate'**.

As per the Greater Dublin Strategic Drainage Study (GSDSDS) the surface water discharge rate from the developed site shall be restricted to the 'greenfield' runoff rate, $QBAR_{rural}$, estimated from the IH 124 equation.

The IH 124 equation is $QBAR_{rural} = 0.00108Area^{0.89} \times SAAR^{1.17} \times SOIL^{2.17}$

Area = 9.7 Ha, .097km²

SAAR = 802

SOIL = 0.45

$QBAR_{rural} = 0.00108Area^{0.89} \times SAAR^{1.17} \times SOIL^{2.17}$
 $= 0.00108(.097)^{0.89} \times (802)^{1.17} \times (0.45)^{2.17}$
 $= 0.00108 \times 0.1254 \times 2499.7 \times 0.1768$
 $= .0598 \text{ m}^3/\text{s}$
 $= 59.8 \text{ l/s}$

The maximum discharge rate of 59.8 l/s satisfies Condition 7.I of the grant of permission on SA 901467 and also complies with the GSDSDS.

Regards

Pat

Pat Kinsella

Senior Executive Engineer

Environment & Water Services

Meath County Council

Unit 16 Navan Enterprise Centre

Trim Road, Navan

Email pkinsella@meathcoco.ie

Phone 046 9067344 & 087 8267460

From: John McEntagart [mailto:J.McEntagart@epa.ie]

Sent: 23 July 2013 17:33

To: Pat Kinsella

Subject: Indaver (Carranstown)- surface water discharge rate from site

Hi Pat,

As per my phone call today, I was hoping you could confirm that Meath County Council agrees to Indaver's request to increase the maximum rate of surface water discharge from their site from 36.2 to 59.8 litres per second.

Kind regards,

John McEntagart

Inspector
Environmental Protection Agency
Tel. 01-2680100

This email and any files transmitted with it are confidential and
intended solely for the use of the individual or entity to whom they
are addressed. If you have received this email in error please notify
the EPA postmaster - postmaster@epa.ie

The opinions contained within are personal to the sender and
do not necessarily reflect the policy of the Environmental Protection
Agency.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

For inspection purposes only.
Consent of copyright owner required for any other use.

Meath County Council.
E-mail: info@meathcoco.ie
Web: www.meath.ie
Tel: 046-9097000
Fax: 046-9097001

Le do thoil cuimhnigh ar an imshaol roimh priontáil an ríomhphost seo. Please consider the environment before printing this email. Tá an ríomhphost seo (agus aon iatán a ghabhann leis) príobháideach agus rúnda agus d'fhéadfadh go mbeadh eolas inti atá faoi phribhléid dlíthúil. Ní ceadmhach úsáid an ríomhphoist seo d'éinne ach don té ar seoladh chuige é. Munar duit an ríomhphost seo nó an té atá freagrach as é a sheoladh, tá cosc ar chóipeáil agus ar sheachadadh an ríomhphoist seo agus aon iatán a ghabhann leis chuig éinne nó úsáid a bhaint as a bhfuil ann; ní ceart an ríomhphost seo nó aon iatán a léamh. D'fhéadfadh do mbeadh cosc iomlán dlíthúil ar sceitheadh nó comhfhreagras nó aon úsáid eile gan chead ar a bhfuil sa ríomhphost seo agus d'fhéadadh sé a bheith ina chion coiriúil.

The contents of this e-mail (including attachments) are private and confidential and may also be subject to legal privilege. It is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering it to the addressee, you may not copy or deliver this e-mail or any attachments to anyone else or make any use of its contents; you should not read any part of this e-mail or any attachments. Unauthorised disclosure or communication or other use of the contents of this e-mail or any part thereof may be prohibited by law and may constitute a criminal offence.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

For inspection purposes only.
Consent of copyright owner required for any other use.