



COMHAIRLE CONTAE CHORCAÍ

Minutes of Proceedings at Meeting of Cork County Council held in the Council Chamber, County Hall, Cork on 9th July, 2007

I LATHAIR

Comhairleoir T. O'Síocháin, Méara Chontae

Comhairleoiri C. Ó Murchú, Ui Nia, Ó Síochain, Ó Cathasaigh, Ó hAodha, Ó hArrachtáin, Ó Crualaoch, Pleaminn, Ó Ríain, Mac Giolla Rua, Mac Craith, Ni Fhuarthain, M. Ó Caoimh, Lombard, Ni Dheasmhumhnaigh, , J.A O Coilean, C. Ó Caoimh, Ó Floinn, Uí Phaghan, Ó Dochartaigh, Uí Mhurchú, Uí Mhurchú, Ó Donnagáin, Criod, Ó Cochláin, O Conchubar, O Maolalaidh, MacGearailt, Ó Síocháin, O hEigeartaigh, Ó Maoilmhichill N. Ó Coileán, O hEachthigheirn, Ó hAilgheanáin, Ui Mhurri, O Suilleabhain, Ó Ruairc, MacCárthaigh, Ó Cearbhaill, Ó Donnabháin, O Dalaigh.

PRESENT

Councillor T. Sheahan, County Mayor presided.

Councillors K. Murphy, Neville, Sheehan, Casey, O'Shea, Harrington, Crowley, Fleming, Ryan, Gilroy, McGrath, Forde, M. O'Keeffe, T. Lombard, Desmond, J A. Collins, K. O'Keeffe, O'Flynn, Pyne, O'Doherty, Marian Murphy, Marie Murphy, Donegan, Creed, Coughlan, Mullally, Fitzgerald, O'Connor, Sheahan, Hegarty, Mulvihill, N. Collins, Ahern, Hallinan, Murray, O'Sullivan, O'Rourke, Collins, McCarthy, Carroll, O'Donovan, Daly.

County Manager, Head of Corporate Affairs, Senior Executive Officer, A/County Engineer

SUSPENSION OF STANDING ORDERS

Councillor L. O'Doherty proposed, seconded by Councillor A. Pyne, the suspension of Standing Orders to discuss the erection of telecommunications antennae at Market Square, Mitchelstown.

The Mayor advised that in accordance with Standing Orders the matters would be taken at 1 o'clock. This was noted by the Members.

CONFIRMATION OF MINUTES

1/7-1

Proposed by Councillor T. Ryan

Seconded by Councillor J. A. Collins

RESOLVED:

"That the minutes of meeting of the Council held on 25th June 2007, be confirmed and signed by the Mayor."

CONFIRMATION OF MINUTES

2/7-1

Proposed by Councillor P. Desmond

Seconded by Councillor L. O'Doherty

RESOLVED:

"That the minutes of meeting of the Annual Meeting held on 29th June, 2007, be confirmed and signed by the Mayor."

VOTES OF SYMPATHY

3/7-1

TO: The wife and family of Joe Rea, former President of the Irish Farmers Association.

TO: Des Torpey, Porter, County Hall, on the death of his wife Eileen.

TO: The wife and family of Richard Barry, former Town Clerk.

TO: Senator Diarmuid Wilson, on the death of his uncle John Wilson, former Minister for Education;

TO: Cllr. Seán O'Connor, Cobh Town Council, on the death of his wife, Ann.

REPORT UNDER ARTICLE 179 OF THE PLANNING AND DEVELOPMENT ACT, 2000:

7(b)/7-1

Proposed by Councillor M. Hegarty

Seconded by Councillor K. Murphy

RESOLVED:

"Noting that in accordance with Article 179 of the Local Government (Planning and Development) Act, 2000, notice of the proposed development was published, that no submissions were received in respect of the proposal, approval pursuant to Article 179 of the said Act is given for the following:-

Construction of 3 no. Houses at Richmond Court, Bandon, Co. Cork.

REPORT UNDER ARTICLE 179 OF THE PLANNING AND DEVELOPMENT ACT, 2000:

7(c)/7-1

Proposed by Councillor M. Hegarty

Seconded by Councillor K. Murphy

RESOLVED:

"Noting that in accordance with Article 179 of the Local Government (Planning and Development) Act, 2000 notice of the proposed development was published, that 2 no. submissions were received in respect of the proposal, approval pursuant to Article 179 of the said Act is given for the following:-

Proposed extension/upgrade to the Wastewater Treatment Plant in Cloughduy, Co. Cork.

REPORT UNDER ARTICLE 179 OF THE PLANNING AND DEVELOPMENT ACT, 2000:

7(d)/7-1

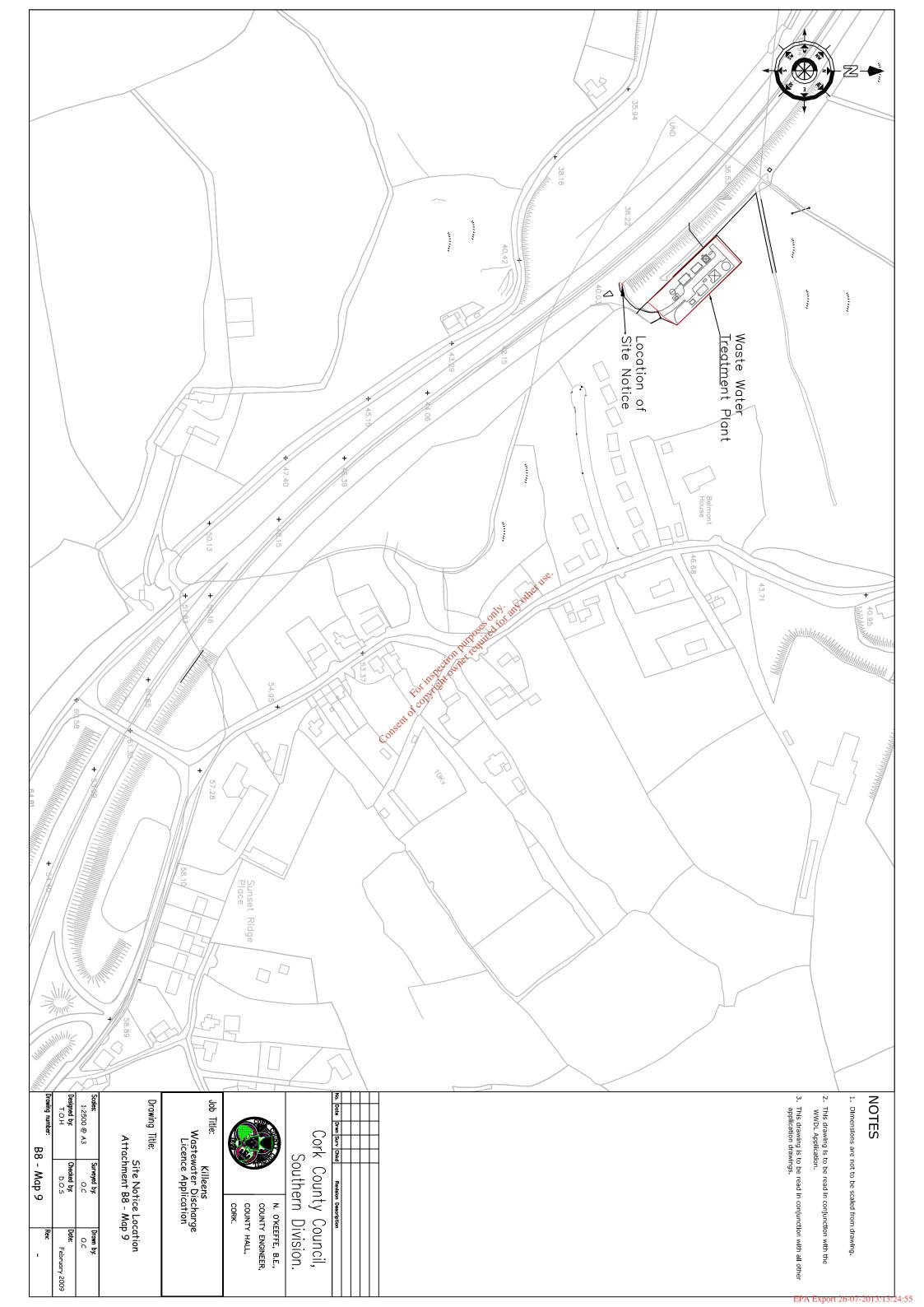
Proposed by Councillor M. Hegarty

Seconded by Councillor K. Murphy

RESOLVED:

"Noting that in accordance with Article 179 of the Local Government (Planning and Development) Act, 2000, notice of the proposed development was published, that I no. submissions were received in respect of the proposal, approval pursuant to Article 179 of the said Act is given for the following:-

Proposed extension to the Waste Water Treatment Plant and Construction of an Underground Pumping Station at Killeens, Co. Cork.



Cork County Council Southern Division

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Waste Water Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Waste Water Discharge Licence for the Agglomeration of Killeens at the following locations:

Plant Name	Location	National Grid Ref.
Killeens WWTP	Rathpeacon, Killeens	E164092 N075447

Discharge	Function	Townland	Receptor	Grid Reference
Primary	Main	Monard	Blarney River	E163793 N075646

A copy of the application for the Waste Water Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall as soon as a practicable after receipt by the Agency be available for inspection or purchase at the

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335599 Telephone: 053-9160600 Fax: 053-9160699 Email:info@epa.ie

and at

• Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Telephone: 021 - 4276891Fax: 021 - 4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above

Cork County Council Southern Division



CORK COUNTY COUNCIL SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Waste Water Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Waste Water Discharge Licence for the Agglomeration of Killeens at the following locations:

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A copy of the application for the Waste Water Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall as soon as is practicable after receipt by the Agency be available for inspection or purchase at the

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- Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Telephone: 021 4276891Fax: 021 4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above



CORK COUNTY COUNCIL

COMHAIRLE CHONTAE CHORCAÍ

PUBLIC NOTICES

NORTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Newmarket at the following

Plant Name	9	Location	National (Grid Ref.	
Newmarket WWTP		Newmarket	E131004		
			N106	843	
Discharge	Function	n Townland	Receptor	Grid Ref.	
Primary	Main	Newmarket	Dalua	E130956	

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21983

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Buttevant at the following

Plant Name		Location	National Grid Ref.		
Buttevant WWTP		Waterhouse,	E154564		
		Buttevant	N108924		
Function		Townland	Receptor	Grid Ref.	
Main		Waterhouse	Awbeg	E154528	
				N108856	
	Functio	Function	Buttevant Function Townland	Buttevant N108 Function Townland Receptor	

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

- Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599:
- Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie
- · Cork County Council Offices, Annabella, Mallow, Co. Cork,

Tel: 022-21123: Fax: 022-21983. Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation)

Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Castletownroche at the following Total Notice 1 Coll D.C.

Plant Nam		Location	A TESER O ARESE	Nauonai Grid Kei.		
Castletownroche WWTF		Castlewidenham	E16	8556		
		Castletownroche	N10	2313		
Discharge	Function	Townland	Receptor	Grid Ref.		
Primary	Main	Castlewidenham	Awbeg	E168671		
				N102159		
		C .1 TTT .				

and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

described above.

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123: Fax: 022-21983.

the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Doneraile at the following

Doneraile WWTP			Demesne, Doneraile	E160189 N107464		
Discharge Primary	Function Main	on	Townland Demesne	Receptor Awbeg	Grid Ref. E160254	

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21983.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Coun Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Dromahane at the following

Plant Name Location National Grid Ref.

Diomanane	Dromahane Dromahane		N096162		
Discharge	Function	Townland	Receptor	Grid Ref.	
Primary	Main	Dromore	Clyda	E153738 N096171	
A copy of the	applicatio	n for the Wastew	rater Discharg	ge Licence,	

and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599: Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123: Fax: 022-21983. Submissions in relation to the application may be made to

the Environmental Protection Agency at its headquarters

AGENCY FOR A WASTEWATER DISCHARGE LICENCE

Plant Name

PUBLIC NOTICES

NORTHERN DIVISION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Coun Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Kilworth at the following

ADDITION TO THE ENVIRONMENTAL PROTECTION

	Kilworth WWTP		Knockanohill, Kilworth		E184090 N102434		
	Discharge	Functio	n	Townland	Receptor	Grid Ref.	
П	Primary	Main		Knockanohill	Douglas	E184362	
Ш						N102650	

Location National Grid Ref.

A copy of the application for the Wastewater Discharge Licence. and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

N106837

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21983

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Coun Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Millstreet, Co. Cork at the

Millstreet WWTP			Drominahilla	E127399 N090983	
Discharge Primary	Functio Main	n	Townland Drominahilla	Receptor Tanyard	Grid Ref. E127398 N091013
			or the Wastewa		ge Licence,

and such further information relating to the application as may b furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork,

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

SOUTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Ladysbridge at the following locations:

Plant Name			Location	National (erid Ref.		
Ladysbridge WWTP		Carewswood,		E197033			
		I	Ladysbridge N071948		948		
Discharge	Function		Townland	Receptor	Grid Ref.		
Primary	Main		Ladysbridge	Womanagh	E197057		
					N071972		

and such further information relating to the application as may b furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

• Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891;

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

in accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Ballymakeera & Ballyvourney the following locations:

Plant Name			Location	National Grid Ref.		
Ballymakeera WWTP		Fair Green,		E121370		
,		Ballymakeera		N076407		
		_				
Discharge	Function	n	Townland	Receptor	Grid Ref.	
Primary	Main		Ballymakeera	Sullane	E121490	
					N076158	

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

 Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891;

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE n accordance with the Wastewater Discharge (Authorisation)

Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Cloughduv at the following Location National Grid Ref.

Cloughduv V	VWTP		Coolmucky, Cloughduv	E145395 N066630	
Discharge	charge Function		Townland	Receptor	Grid Ref.
Primary	Main		Coolmucky	River	E145099
				Brouen	N066702
Primary	Main		Ryecourt	River	E145318
(Proposed)				Bride	N067565
A copy of the application for the Wastewater Discharge Licence.					

and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891;

Fax: 021-4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

PUBLIC NOTICES

SOUTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Cloyne at the following

Cloyne WWTP		Spital,		E191154		
		Cloyne		N067799		
Discharge	Function		Townland	Receptor	Grid Ref.	
Primary	Main		Cloyne	Stream	E191059	
					N067821	

Plant Name Location National Grid Ref.

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

 Cork County Council Offices Water Services South County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891: Fax: 021-4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Killeagh at the following locations:

Location National Grid Ref.

		Killeagh	N076475	
Discharge	Function	n Townland	Receptor	Grid Ref.
Primary	Main	Killeagh	Dissour	E200709 N076496
Primary (Proposed)	Main	Killeagh	Dissour	E200722 N076431

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate Co. Weyford, Lo Call 1890 335599 Tel: 053-9160600 Fax: 053-9160699 Email:info@epa.ie

• Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021 - 4276891; Fax: 021 - 4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Gork County Council, Carrigrohane Road, Cork is applying the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Killeens at the following

locations.			8 X X		
Plant Name	е	Location of	National	Grid Ref.	
Killeens WW	Killeens WWTP		E16	E164092	
		Killeens	N07	5447	
Discharge	Function	on Townland	Receptor	Grid Ref.	
Primary	Main	Monard	Blarney	E163793	
	. ~		River	N075646	
		. 48			

A copy of the approaction for the Wastewater Discharge Licence, and such further incommation relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599 Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Water Services South County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891; Fax: 021-4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Castletownbere agglomeration at the following locations

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Major	Foildarrig	Castletownbere	E68028
			Harbour	N46138
Secondary	Minor	Derrymihin	Castletownbere	E68344
		West	Harbour	N46342
Secondary	Minor	Derrymihin	Castletownbere	E68614
		West	Harbour	N46024
Secondary	Minor	Cametringane	Castletownbere	E67654
			Harbour	N45745
Secondary	Minor	Drom North	Groundwater	E67462
				N45370
Secondary	Minor	Foildarrig	Groundwater	E67997
				N46481

A copy of the application for the Wastewater Discharge Licence. and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599: Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Secondary Minor

 Cork County Council Water Services, Courthouse, Skibbereer Co. Cork, Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, S.I. No. 684 of 2007, Water Services (Western Division), Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Schull Agglomeration at the following locations: Discharge | Function | Townland | Receptor | Grid Ref.

•			Harbour	N031142			
Cork County Council proposes to provide a wastewater treatmen							
plant at Meer	nvane, Schull,	Co. Cork, Gr	id Reference	(093057E,			
031613N). It is proposed to discharge treated wastewater from							
this plant to I	Long Island C	hannel. The p	roposed locat	tion is			
detailed in th	e table below	•					

Discharge Function Townland Receptor Grid Ref.

Harbour

Long Island E09255

E092885

Schull

Channel N029466 A copy of the application for the Wastewater Discharge Licence. and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the

Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie Cork County Council Water Services, Courthouse, Skibbereen Co. Cork, Tel: 028-21299; Fax: 028-21995.

• Environmental Protection Agency, PO Box 3000,

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

PUBLIC NOTICES

WESTERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Baltimore agglomeration at the following locations:

baiumore Sepuc Tank		Башпоге	N26	
Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Major	Baltimore	Baltimore	E104654
			Harbour	N26639

Plant Name Location National Grid Ref.

Cork County Council proposes to upgrade the wastewater treatment plant at Baltimore, Skibbereen, Co. Cork, Grid Reference (E104740, N26866). It is proposed to discharge treated wastewater from this plant to Baltimore Harbour. The proposed location is detailed in the table below:

Ш	Primary	Major	Baltimore	Baltimore	E104623	ı
				Harbour	N26951	
١.	A copy of the application for the Wastewater Discharge Licence,					

Discharge Function Townland Receptor Grid Ref.

and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600: Fax: 053-9160699: Email:info@ena.ie

Plant Name

Cork County Council Water Services, Courthouse, Skibbereen Co. Cork, Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Courtmacsherry agglomeration at the following locations

Location National Grid Ref.

Courtmacsh	erry WWTF	Courtmacs	herry		0569 2742
Discharge	Function	Townland	Rece	ptor	Grid Ref.
Primary	Main	Cullenagh	Court	macsherry	E150732
			Estua	ry	N042818
Secondary	Minor	Cullenagh	Court	macsherry	
			Estua	ry	N042711

Cork County Council proposes to construct a new wastewater treatment plant at Cullenagh, Courtmacsherry, Co. Cork, Grid Reference (E149710, N042520). It is proposed to discharge treated wastewater from this plant to Courtmacsherry Estuary. The proposed location is detailed in the table below:

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Cullenagh	Courtmacsherry	
			Estuary	N042818
			ewater Discharg to the application	

furnished to the Agency in the course of the Agency's

after receipt by the Agency, be available for inspection or

 Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599:

consideration of the Application shall, as soon as is practicable

Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Water Services, Courthouse, Skibbereen Co. Cork, Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

FORM OF NOTICE OF A COMPULSORY PURCHASE ORDER UNDER SECTION 76 OF AND THE THIRD SCHEDULE TO THE HOUSING ACT, 1966, AS EXTENDED BY SECTION 10 OF THE LOCAL GOVERNMENT (NO. 2) ACT, 1960, TO BE PUBLISHED IN ACCORDANCE WITH ARTICLE 4 (a) OF THE THIRD SCHEDULE TO THE HOUSING ACT, 1966, AS AMENDED BY THE PLANNING AND DEVELOPMENT

COMPULSORY ACQUISITION OF LAND

Cork County Council Aherla Water Supply Scheme

The Cork County Council (hereinafter referred to as "the local authority"), in exercise of the powers conferred upon them by section 76 of the Housing Act, 1966, and the Third Schedule thereto, as extended by section 10 of the Local Government (No. 2) Act, 1960 as substituted by section 86 of the Housing Act, 1966 as amended by section 6 and the Second Schedule to the Roads Act, 1993 and as amended by the Planning and Development Act, 2000 have made an order entitled as above which is about to be submitted to An Bord Pleanála for confirmation. If confirmed, the order will authorise the local authority to acquire compulsorily the land described in the Schedule hereto for the purposes of the Aherla Water Supply Scheme

Owners, lessees and occupiers of the land described in the Schedule hereto will receive individual written notice.

The Board cannot confirm a compulsory purchase order in respect of the land if an objection is made in respect of the acquisition by an owner, lessee or occupier of the land, and not withdrawn, until it has caused to be held an oral hearing into the matter and until it has considered the objection and the report of the person who held the oral hearing.

A copy of the order and of the map referred to in it may be seen a all reasonable hours at (1) Property & Housing Capital Department, Floor 11, County Hall, Cork or (2) Water Services Investment Project Office, Cork County Council, Model Business Park, Model Farm Road, Cork.

SCHEDULE Land other than land consisting of a house or houses unfit for

human habitation and not capable of being rendered fit for human habitation at reasonable expense.

t	Number on map deposited at the offices of the local authority	Quantity, description and situation of the land	reputed	Lessees or reputed lessees	Occupiers (except tenants for a month or a less period than a month)	Closing date for the receipt of tenders is Friday, 13th March 2009 at 17.00hrs. *Cork County Council invites tenders from suitably qualified contractors for the construction of 1900 linear metres of watermain at the Rochestown Road.
e e	CP 1	Area Ha: 0.2102 Type: Land Townland: Aherla DED: Templemartin County: Cork	Bridget Desmond,	None	Owner	Closing date for the receipt of tenders is Friday, 20th March 2009 at 16.00hrs. *Cork County Council is inviting applications for inclusion ir framework agreement for the processing and recycling of comingled dry recyclable waste.

Dated this 20th day of February, 2009 Maurice Manning, Senior Executive Officer

CLOSING DATE FOR HIGHER EDUCATION GRANT

The closing date for receipt of Higher Education Grant applications for the 2008/'09 academic year is February 27th, 2009. Cork County Council's Higher Education Grants Office will not accept applications after this date.

ROADS

TEMPORARY CLOSURE OF PUBLIC ROAD -

Notice is hereby given that, pursuant to Section 75 of the Roads Act, 1993, the following road will be closed to public traffic on Tuesday, 3rd March 2009 from 8.30am to 5.00pm:

Road to be closed: The Old Trabolgan Road at Whitegate Playground.

Alternative route: R603 - Main Road, Whitegate

The purpose of the temporary closure is to facilitate the laying of

Director of Services, Area Operations, Floor 5, County

TEMPORARY CLOSURE OF PUBLIC ROAD -

Notice is hereby given that, pursuant to Section 75 of the Roads Act, 1993, the following road will be closed to public traffic from 8.00am on Monday, 2nd March 2009 to 5.00pm on Thursday, 9th

Road to be closed:

Alternative routes:

Via Waterrock on the L3618 and the N25 Cork to Midleton Road. Via the Hedgey Boreen and the N25 Cork to Midleton Road

The purpose of the temporary closure is to facilitate the construction of the Glounthane/Midleton Railway Scheme.

Director of Services, Area Operations, Floor 5, County

PLANNING

PLANNING AND DEVELOPMENT ACTS 2000-2007

PROPOSED CORK SCIENCE, INNOVATION AND TECHNOLOGY PARK

INVITATION TO MAKE INFORMAL SUBMISSIONS

Cork County Council are commencing public consultation in relation to the development of a Science, Innovation and Technology Park at Curraheen, on the western side of Cork City Following the public consultation exercise and consideration of

submissions made, the Council will prepare a Draft Amendment

consequential Draft Variation to the Cork County Development

to the Carrigaline Electoral Area Local Area Plan and a

Plan 2009, which will also be the subject of public consultation. An Information Leaflet has been prepared which aims to promote public debate on how the proposed Science Park should develop and will be available from 23rd February, 2009. The publication of this leaflet is the first step in the process leading to the Amendment of the Carrigaline Electoral Area Local Area Plan and Consequential Variation to the County Development Plan. A public information day is also planned where staff will be available to discuss this proposal in further detail. This information day will be held from 4.00 p.m. to 8.00 p.m. on Tuesday, 3rd

March 2009, in the Foyer, Floor 1, County Hall, Cork. The information leaflet will be available during normal working hours at

Planning Department, Floor 1, County Hall, Cork

Planning Policy Unit, Floor 13, County Hall, Cork Council Offices in Ballincollig, Douglas, Carrigaline, Bandon and Blarney

Public Libraries (Ballincollig, Wilton, Douglas, Carrigaline Grand Parade, Bandon, Blarney and County Library, Model

Business Park) and to download or view on the County Council's web-site

www.corkcoco.ie Informal Submissions: Informal submissions or observations can be made and these will be considered before the Proposed Amendment is prepared. Any

person or organisation with an interest is hereby invited to send

heir comments in writing to: The Senior Planner, Cork County Council, Planning Policy Unit, Floor 13, County Hall,

Cork. Tel: 021 4285900 iail submissions can be sent to sciencepark@corkcoco.ie Submissions or observations made by email must include the full

The final date on which submissions or observations in response to this invitation can be made is: 23rd March, 2009

name and address of the person making the submission.

Dated: This 20th Day of February, 2009 Signed: Head of Forward Planning & Strategic Development

Glanmire and Little Island Pumping Stations.

2009 at 16,00hrs.

March 2009 at 16,00hrs.

April 2009 at 16.00hrs.

TENDERS Cork County Council invites tenders for the provision of a Fuel Discount Card System to the Council.

2009 at 16.00hrs Rural Water, Planning & Coastal, Area Operations South seeks tenders for the supply, delivery, installation and commissioning of fixed permanent gas detection equipment at the

Closing date for the receipt of tenders is Friday, 10th April

Closing date for the receipt of tenders is Friday, 3rd April

*Cork County Council (Northern Division) invites tenders for a single storey side extension to an existing rural cottage to include site works involving the installation of a waste treatment

plant at Ballybeg, Mitchelstown, Co. Cork. Closing date for the receipt of tenders is Friday, 27th March 2009 at 16.00hrs.

*Cork County Council (Northern Division) invites tenders for a single storey rear extension to an existing end of terrace dwelling at Mitchelstown, Co. Cork. Closing date for the receipt of tenders is Friday, 27th

*Area Operations (South Cork), Roads Department invites

tenders from competent Contractors for Road Construction, Road

Surfacing and Footpath Works in the South Cork Division for the vear 2009. Closing date for the receipt of tenders is Friday, 13th

Closing date for receipt of applications is Thursday, 2nd

*Full details available on www.etenders.gov.ie

www.corkcoco.ie

Cork County

Water Services Investment Programme 2007 - 2009

Schemes at Construction	W/S	Est. Cost	Schemes to start 2009 contd.	W/S	Est. Cost
Cork North			Cork South		
Mitchelstown Sewerage Scheme			Ballincollig Sewerage Scheme (Upgrade) (G)	S	22,248,000
(Nutrient Removal)	S	221,000	Cork Lower Harbour Sewerage Scheme (excl. Crosshaven		73,542,000
			Shannagarry/ Garryvoe/ Ballycotton Sewerage Scheme	S	3,780,000
Cork South			Youghal Sewerage Scheme	S	14,420,000
Ballyvourney/ Ballymakeery Sewerage Scheme	S	3,049,000	roughal Sewerage Scriente	3	14,420,000
Cobh/ Midleton/ Carrigtwohill Water Supply Scheme Cork Lower Harbour Sewerage Scheme	W	10,135,000	Cork West		
(Crosshaven SS) (G)	S	4,850,000		C	692,000
Cork Water Strategy Study (G)	W	941,000	Ballydehob Sewerage Scheme	S	683,000
Kinsale Sewerage Scheme	S	20,000,000	Bantry Water Supply Scheme	W	14,935,000
Midleton Sewerage Scheme (Infiltration Reduction) ((G) S	2,078,000	Clonakilty Sewerage Scheme (Plant Capacity Increase)	S	3,677,000
		41,274,000	Courtmacsherry/ Timoleague Sewerage Scheme	S	2,472,000
Schemes to start 2007			Dunmanway Regional Water Supply Scheme Stage 1	W	12,669,000
					164,629,000
Cork North			Serviced Land Initiative		
North Cork Grouped DBO Wastewater Treatment	0	E 4E0 000			
Plant (Buttevant, Doneraile & Kilbrin)	S	5,150,000	Cork North		
Cork West			Ballyclough Water Supply Scheme	W	139,000
Skibbereen Sewerage Scheme	S	20,000,000	Ballyhooley Improvement Scheme	W/S	139,000
		25,150,000	Broghill-Raingoggin Sewerage Scheme	S	406,000
Schemes to start 2008			Bweeng Water Supply Scheme	W	115,000
		- D	Courchtown Sewerage Scheme (incl. Water)	W/S	543,000
Cork North		oction	Clondulane Sewage Treatment Plant	S	417,000
Mallow/ Ballyviniter Regional Water Supply Scheme	(H) W	8,652,000 8,400,000	Freemount Sewerage Scheme	S	150,000
Mallow Sewerage Scheme (H)	S	\$,4Q8;000	Pike Road Sewerage Scheme (incl. Water)	W/S	2,080,000
Ocals Ocasilis		948,000 1,296,000	Rathcormac Sewerage Scheme (incl. Water)	W/S	555,000
Cork South	S) C &	948,000	Spa Glen Sewerage Scheme	S	736,000
Ballincollig Sewerage Scheme (Nutrient Removal) (C Ballingeary Sewerage Scheme	عام الم	1,296,000	Uplands Fermoy Sewerage Scheme (incl. Water)	W/S	1,174,000
Bandon Sewerage Scheme Stage 2	S	14,729,000	Watergrasshill Water Supply Scheme (incl. Sewerage) (G)	W/S	4,151,000
City Environs (CASP) Strategic Study (G)	S	153,000			
Cloghroe Sewerage Scheme (Upgrade)	S	683,000	Cork South		
Coachford Water Supply Scheme	W	1,318,000	Ballincollig Sewerage Scheme (Barry's Rd Foul and		
Garrettstown Sewerage Scheme	S	2,153,000	Storm Drainage) (G)	S	1,164,000
Inniscarra Water Treatment Plant Extension Phase 1		2,678,000	Belgooley, Water Supply Scheme (incl. Sewerage)	W/S	2,913,000
Little Island Sewerage Scheme (G)	S	2,200,000	Blarney Water Supply Scheme (Ext. to Station Rd) (G)	W	416,000
			Carrigtwohill Sewerage Scheme (Treatment and		,,,,,,
Cork West			Storm Drain) (G)	S	7,632,000
Bantry Sewerage Scheme	S	7,148,000	Castlematyr Wastewater Treatment Plant Extension	S	1,200,000
Dunmanway Sewerage Scheme	S	2,153,000	Crookstown Sewerage Scheme (incl. Water)	W/S	1,200,000
Leap/ Baltimore Water Supply Scheme	W	6,365,000	Dripsey Water Supply Scheme (incl. Sewerage)	W/S	1,112,000
Schull Water Supply Scheme	W	5,253,000	Glounthane Sewerage Scheme (G)	S	1,576,000
		61,137,000		S	
Schemes to start 2009			Innishannon Sewerage Scheme		277,000
			Innishannon Wastewater Treatment Plant	S	694,000
Cork North			Kerrypike Sewerage Scheme	S	832,000
Banteer/Dromahane Regional Water Supply Scheme		1,576,000	Kerrypike Water Supply Scheme	W	416,000
Contain Meter Supply Scheme Extension	W	2,627,000	Killeagh Wastewater Treatment Plant Extension	S	1,200,000
Cork NW Regional Water Supply Scheme	W W	4,326,000	Killeagh Water Supply Scheme (includes Sewerage)	W/S	485,000
Cork NW Regional Water Supply Scheme Millstreet Wastewater Treatment Plant (Upgrade)	VV S	6,046,000 1,628,000	Killeens Sewerage Scheme	S	420,000
willow out wastewater freatment fram (opgrade)	J	1,020,000	Kilnagleary Sewerage Scheme	S	694,000
			Midleton Wastewater Treatment Plant Extension	S	4,050,000

Cork County contd.

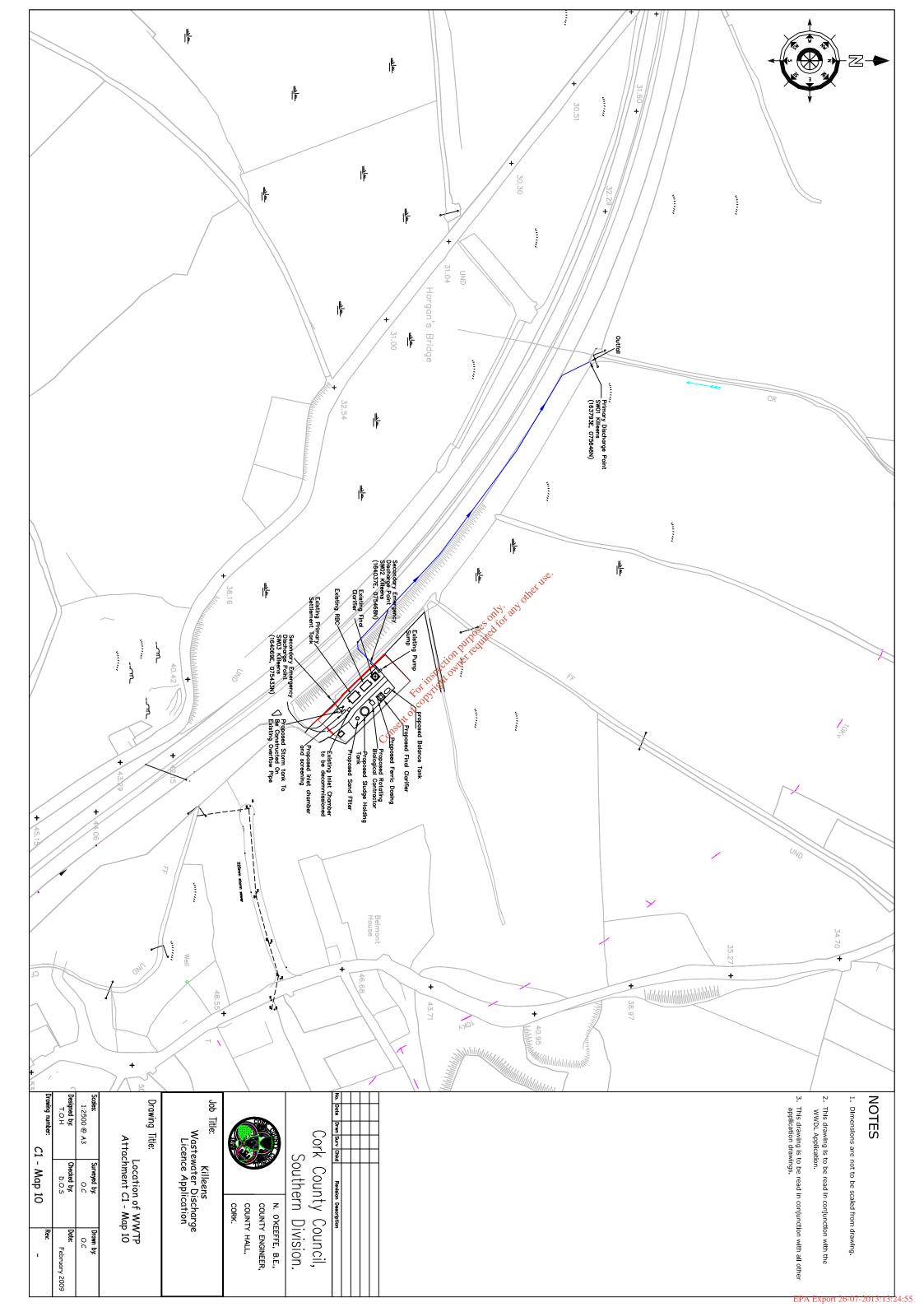
Water Services Investment Programme 2007 - 2009

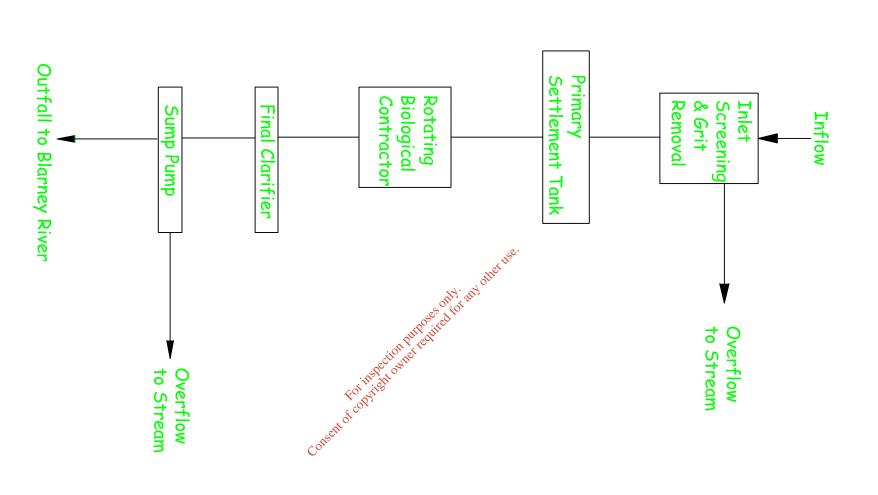
Serviced Land Initiative contd.	W/S	Est. Cost	Schemes to Advance through Planning cond.	W/S	Est. Cost
Cork South contd.			Cork South		
Mogeely, Castlemartyr & Ladysbridge Water Supply Schem	e W	2,566,000	Carrigtwohill Sewerage Scheme (G)	S	20,000,000
North Cobh Sewerage Scheme (G)	S	3,193,000	Cork Sludge Management (G)	S	14,420,000
Riverstick Water Supply Scheme (incl. Sewerage)	W/S	525,000	Cork Water Supply Scheme (Storage - Mount Emla,		
Rochestown Water Supply Scheme	W	2,700,000	Ballincollig & Chetwind) (G)	W	8,500,000
Saleen Sewerage Scheme	S	1,051,000	Inniscarra Water Treatment Plant (Sludge Treatment)(G)W	5,356,000
Youghal Water Supply Scheme	W	2,300,000	Macroom Sewerage Scheme	S	5,150,000
			Minane Bridge Water Supply Scheme	W	1,421,000
Cork West					
Castletownshend Sewerage Scheme	S	1,576,000	Cork West		
		50,797,000	Bantry Regional Water Supply Scheme (Distribution)	W	9,455,000
Rural Towns & Villages Initiative			Cape Clear Water Supply Scheme	W	1,679,000
			Castletownbere Regional Water Supply Scheme	W	8,405,000
Cork North			Glengarriff Sewerage Scheme	S	2,500,000
Buttevant Sewerage Scheme (Collection System)	S	2,446,000	Roscarberry/Owenahincha Sewerage Scheme	S	1,576,000
Doneraile Sewerage Scheme (Collection System)	S	1,738,000	Skibbereen Regional Water Supply Scheme Stage 4	W	7,880,000
			Water Conservation Allocation Water Management Study South Western River Basin District (WFD) Project 1		95,646,000
Cork South			74. W.		
Innishannon (Ballinadee/ Ballinspittle/ Garrettstown)			Water Conservation Allocation		12,206,000
Water Supply Scheme	W	6,726,000	to ited		
		~5	Water Conservation Allocation Water Conservation Allocation Asset Management Study South Western River Basin District (WFD) Project ¹		300,000
Cork West		action of	of the second se		
Ballylicky Sewerage Scheme	S	2,458,000	South Western River Basin District (WFD) Project ¹		9,400,000
Baltimore Sewerage Scheme	S	<03,₹62,000			
Castletownbere Sewerage Scheme	S	5,202,000			
Schull Sewerage Scheme	S	3,523,000	Programme Total	48	5,489,000
	S S CONSEN	24,950,000			
Schemes to Advance through Planning					
Cork North					
Mitchelstown North Galtees Water Supply Scheme	W	3,152,000			
Mitchelstown Sewerage Scheme	S	3,000,000			
Newmarket Sewerage Scheme	S	3,152,000			

¹ This project is being led by Cork County Council on behalf of other authorities in the River Basin District

⁽H) Refers to a Hub as designated in the National Spatial Strategy

⁽G) Refers to a Gateway as designated in the National Spatial Strategy





NOTES

1. Dimensions are not to be scaled from drawing.

EPA Export 26-07-2013:13:24:55

- This drawing is to be read in conjunction with the WWDL Application.
- This drawing is to be read in conjunction with all other application drawings.

Southern	Cork County
Division.	Council,

Date Drwn Surv Chkd

Revision Description

N. O'KEEFFE, B.E.,

COUNTY HALL, COUNTY ENGINEER,

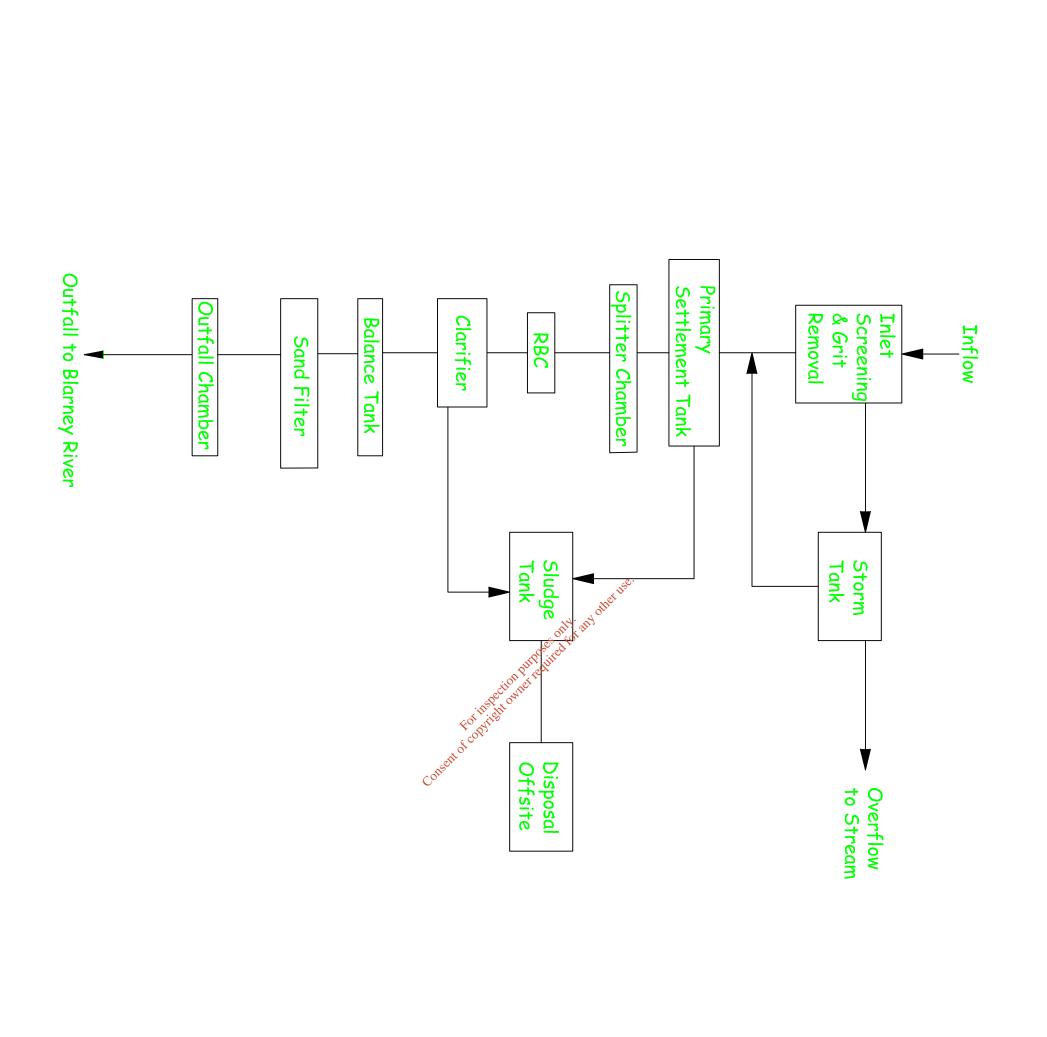
Job Title:

Killeens
Wastewater Discharge
Licence Application

Drawing Title:

Schematic Showing Existing
Treatment Plant Process
Attachment C1 - Drawing 1

Rev.	NTS Designed by:		O.C Date: February 2009
D.O.S Rev	Designed by:		Date:
7	т.о.н	b.0.S	Februo
		C1 - Degwies 1	Rev:



NOTES

1. Dimensions are not to be scaled from drawing.

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- . This drawling is to be read in conjunction with the WWDL Application.
- This drawing is to be read in conjunction with all other application drawings.

Cork County Council, Southern Division. Date Drwn Surv Chkd

Revision Description



N. O'KEEFFE, B.E.,
COUNTY ENGINEER,

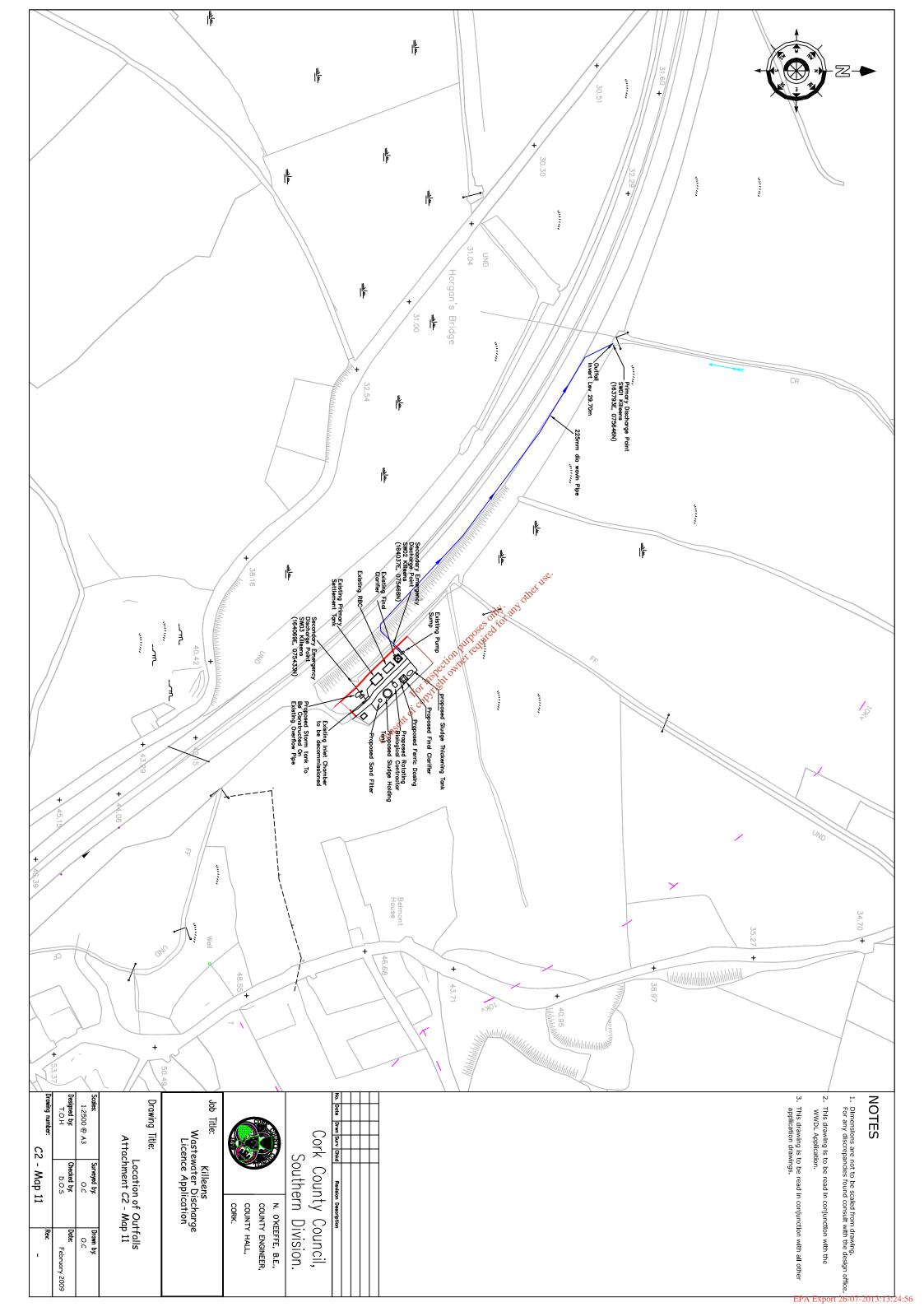
COUNTY HALL,

Job Title:
Killeens
Wastewater Discharge
Licence Application

Drawing Title:

Schematic Showing Proposed Treatment Plant Process Attachment C1 - Drawing 2

Rev:	C1 - Drawina 2	Drawing number: $C1$
February 2009	b.0.5	т.о.н
Date:	Checked by:	Designed by:
0.0	0.0	1:5000 @ A3
Urgwn by:	Surveyed by:	occies:



PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING	NORTHING	VERIFIED
SW - 01 Killeens	Primary	Cork Co Co	River	Blarney	No Designation	163793	75646	Υ
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Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 1 of 1

February 19,2009

Industry Name Address Kileens WWTP Kileens

Co. Cork

Industry Code No.

356

Report Ref No. 719-02-09-006

Issued to O Courting

WSIP.

Licence No.

Type

Licence Limit	Volume m3	pH 12.99 3.99		BOD mg/l 25	ľ	COD mg/l 125		SS mg/l 35	TP-P mg/l 99	TN-N mg/l 99	NH3-N mg/l 99	Code	Comments
Date 28/02/08		7.6	*	38	*	148	*	52	8.25	33.65	28	GS140	G
24/09/08				22		57	*	38				GS986	G
09/10/08			*	38	*	134	*	83				GS1025	G
15/01/09		7.4	*	47	*	167	*	37	7.0	34.5	33.4	GT049	G
% Compl. Average	*** ****	100 7.50	36	25 5.25	1	25 26.50	4	0 52.50	100 7.63	100 34.08	100 30.70		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF. C = Composite Sample, G = Grab Sample.

The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pH

CP NO. 6 = C.O.D.

CPNO.7 = CTUH

CP NO.22=Ammonia(KONELAB)
CP NO.25=Sulphate(KONELAB)

CP NO.23 = OPO4-P(KONELAB)

CP NO.24 = Chloride (KONELAB)

CP NO.25=Start This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

Mamon.

Date: 19 2 09

Ms. V. Hannon

Technical Manager

CTR 001

Issue No 16.

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

- a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.
- b. Cork County Council wastewater laboratory are not accredited for sample collection.
- c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated Uncertainty	Units
	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0.30	mg/l
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	± 3.2	mg/l
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l
CP No. 3	35 mg/l	Suspended Solids (SS)	± 6.4	mg/l
CP No. 3	200 - 400mg/l	Suspended Solids (SS)	± 41.6	mg/l
CP No. 3	700 – 1000mg/l	Suspended Solids (SS)	± 80.0	
CP No. 5	2-12	pH	0.0000000000000000000000000000000000000	mg/l
CP No. 6	< 6 mg/l		± 0.12	pH Units
CP No. 6		Chemical Oxygen Demand (COD LR)	± 5.6	mg/l
	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	± 10.6	mg/l
CP No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	± 17.4	mg/l
CP No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD)	± 26.8	mg/l
CP No. 20	0.2 – 2.5 mg/l	Total Phosphorus (TP-10)	± 0.22	mg/l
CP No. 22	0.1 – 0.9 mg/l	Ammonia (Konelah)	± 0.04	mg/l
CP No. 22	1.0 - 2.0 mg/l	Ammonia (Konelab)	± 0.10	mg/l
CP No. 22	2 – 10 mg/l	Ammonia (Konelab)	± 0.32	mg/l
CP No. 22	11 – 19 mg/l	Ammonia (Konelab)	± 0.72	mg/l
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	± 1.56	mg/l
P No. 23	0.05 – 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l
P No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	± 3,04	mg/l
P No. 24	100.00 – 200.00 mg/l	Chloride (Konelab)	±11.16	mg/l
P No. 25	30.00 – 199.00 mg/l	Sulphate (Konelab)	± 3.42	
^o No. 25	200.00 – 250.00 mg/l	Sulphate (Konelab)		mg/l
200 -	- : · · · · · · · · · · · · · · · · · ·	Surpriace (Konetab)	± 8.70	mg/l

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.





Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 2 of 1 February 19,2009

Kileens WWTP Industry Name

Kileens Co. Cork Industry Code No. 356 Report Ref No. 119-02-09-006 Issued to ORla Courtnay

WSIP

Licence No.

Address

Type

	4									
Licence Limit	Volume m3	OPO4-F mg/l 99	SO4 mg/l 999						Code	Comments
Date 28/02/08 24/09/08		5.5	67.3				eiv.			1
09/10/08										
15/01/09		4.88	50.4							
% Compliance		100	100	***	***	***	***	***		
Average		5.19	58.85	****	****.**	****	****.**	*****		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF.

C = Composite Sample, G = Grab Sample. The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pH

CP NO.23 = OPO4-P(KONELAB)

CP NO. 6 = C.O.D.

CPNO.7-Cl VH. CPNO.22=Ammonia(KONELAB) CP NO.25=Sulphate(KONELAB)

CP NO.24 = Chloride (KONELAB) This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

Technical Manager

Ms. V. Hannon

Deputy Technical Manager

CTR 001

Issue No 5 6

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.

b. Cork County Council wastewater laboratory are not accredited for sample collection.

c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated Uncertainty	Units
CP No. 1	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0,30	mg/l
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	± 3.2	mg/l
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l
CP No. 3	35 mg/l	Suspended Solids (SS)	± 6.4	mg/l
CP No. 3	200 - 400mg/l	Suspended Solids (SS)	±41.6	mg/l
CP No. 3	700 – 1000mg/l	Suspended Solids (SS)	± 80,0	mg/i
CP No. 5	2 - 12	pH	± 0.12	pH Units
CP No. 6	< 6 mg/l	Chemical Oxygen Demand (COD LR)	± 5.6	mg/l
CP No. 6	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	± 10.6	mg/l
P No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	± 17.4	mg/l
P No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD) High Range	± 26.8	mg/l
P No. 20	0.2 – 2.5 mg/l	Total Phosphorus (TP-P)	± 0.22	mg/l
P No. 22	0.1 – 0.9 mg/l	Ammonia (Konetab)	± 0.04	mg/l
P No. 22	1.0 – 2.0 mg/l	Ammonia (Konelab)	± 0.10	mg/l
P No. 22	2 – 10 mg/l	Ammonia (Konelab)	± 0,32	mg/l
P No. 22	11 – 19 mg/l	Ammonia (Konelab)	± 0.72	mg/l
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	±1.56	mg/l
^o No. 23	0.05 - 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l
No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	±3.04	mg/l
No. 24	100,00 – 200,00 mg/l	Chloride (Konelab)	±11.16	mg/l
No. 25	30.00 – 199.00 mg/l	Sulphate (Konelab)	±3.42	mg/l
No. 25	200.00 - 250.00 mg/l	Sulphate (Konelab)	± 8.70	· mg/l

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
SW01	Primary	S	163793	75646	Υ
aSW01u	u/s	S	163958	76004	Υ
aSW01d	d/s	S	163680	75542	Υ
			alle	USO	
			Offic	Y	
			tien Perfective to and other controls to another the control to another the controls to another the controls to another the controls to another the control		
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Attachm	ent E4 K	Cilleens	s Inlet T	able E4	Į.
Sample Date	15/01/2009	Average	Kg/day	Kg/year	
Sample	Influent				
Sample Code	GT050				
Flow M ³ /Day	*	648			
рН	7.4	7.4			
Temperature ℃	*	*			
Cond 20°C	656	656			
SS mg/L	106	106	68.688	25071.12	
NH ₃ mg/L	37.2	37.2	24.1056	8798.544	
BOD mg/L	130	130	84.24	30747.6	
COD mg/L	284	284	184.032	67171.68	
TN mg/L	38.7	38.7	25.0776	9153.324	
Nitrite mg/L	0.008	0.008	0.005184	1.89216	
Nitrate mg/L	< 0.405	< 0.405	<0.26244	<95.7906	
TP mg/L	8.1	8.1	5.2488	1915.812	
O-PO4-P mg/L	5.53	5.53	3.58344	1307.9556	ę d
SO4 mg/L	47.1	47.1	30.5208	11140.092	aut Post
Phenols μg/L	<0.10	< 0.0001	<0.000648	<0.023652	citon Process
Atrazine μg/L	<0.01	<0.00001	<0.00000648		inspector
Dichloromethane μg/L	<1	<0.001	<0.000648	<0.23652	to high
Simazine μg/L	<0.01	<0.00001	<0.00000648	- 1/2	
Toluene μg/L	<1	< 0.001	<0.000648	<0.23652	
Tributyltin μg/L	*	*	*	*	
Xylenes μg/L	<1	<0.001	<0.000648	<0.23652	
Arsenic μg/L	<0.96	<0.00096	<0.00062208		
Chromium mg/L	<0.02	<0.02	<0.01296	<4.7304	
Copper mg/L	<0.02	<0.02	<0.01296	<4.7304	
Cyanide μg/L	<5	< 0.005	<0.00324	<1.1826	
Fluoride μg/L	488	0.488	0.316224	115.42176	
Lead mg/L	<0.02	<0.02	<0.01296	<4.7304	
Nickel mg/L	<0.02	<0.02	<0.01296	<4.7304	
Zinc mg/L	0.03	0.03	0.01944	7.0956	
Boron mg/L	0.024	0.024	0.015552	5.67648	
Cadmium mg/L	<0.02	<0.02	<0.01296	<4.7304	
Mercury μg/L	<0.2	<0.0002	<0.0001296	<0.047304	
Selenium μg/L	8.0	0.0008	0.0005184	0.189216	

Maximum Flow

values recorded as 1/2 0f LOD for statistical purposes

Barium mg/L <0.02 <0.00002 <0.00001296 <0.0047304

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Attachr	nent E	4 Kilee	ns Disc	charge	Outlet	Table I	E4
Sample Date	28/02/2008	24/09/2008	09/10/2008	15/01/2009			
Sample	Effluent	Effluent	Effluent	Effluent	Average	Kg/Day	Kg/year
Sample Code	GS140	GS986	GS1025	GT049			
Flow M ³ /Day	*	*	*	*	648		
рН	7.6	*	*	7.4	7.5		
Temperature °C	*	*	*	*			
Cond 20°C	*	*	*	642	642		
SS mg/L	52	38	83	37	52.5	34.02	34020
NH ₃ mg/L	28	*	*	33.4	30.7	19.8936	19893.6
BOD mg/L	38	22.3	38	47	36.325	23.5386	23538.6
COD mg/L	148	57	134	167	126.5	81.972	81972
TN mg/L	33.65	*	*	34.5	34.075	22.0806	22080.6
Nitrite mg/L	*	*	*	0.061	0.061	0.039528	39.528
Nitrate mg/L	*	*	*	0.405	<0.405	<0.26244	<262,44
TP mg/L	8.25	*	*	7.0	7.625	4.941	4941
O-PO4-P mg/L	5.5	*	*	4.88	5.19	3.36312 🐧	3363.12
SO4 mg/L	67.3	*	*	50.4	58.85	38.1348	38134.8
Phenols μg/L	*	*	*	<0.10	<0.0001	<0.0000648	<0.0648
Atrazine μg/L	*	*	*	<0.01	<0.00001	<0.00000648	<0.00648
Dichloromethane	*	*	*	<1	<0.001	0.000648	<0.648
Simazine μg/L	*	*	*	<0.01	<0.00001	₹ 0.0000648	<0.00648
Toluene μg/L	*	*	*	<1	<0.00	<0.000648	<0.648
Tributyltin μg/L	*	*	*	*	*	*	*
Xylenes μg/L	*	*	*	<1	< 0.001	<0.000648	<0.648
Arsenic μg/L	*	*	*	<0.96	<0.00096	<0.00062208	<0.62208
Chromium mg/L	<0.02	*	*	<0.02	<0.02	<0.01296	<12.96
Copper mg/L	< 0.02	*	*	<0.02	<0.02	<0.01296	<12.96
Cyanide μg/L	*	*	*	<5	<0.005	<0.00324	<3.24
Fluoride μg/L	*	*	*	no result	no result	no result	no result
Lead mg/L	0.022	*	*	<0.02	0.016	0.010368	10.368
Nickel mg/L	<0.02	*	*	<0.02	0.02	0.01296	12.96
Zinc mg/L	0.042	*	*	<0.02	0.026	0.016848	16.848
Boron mg/L	1.045	*	*	0.033	0.539	0.349272	349.272
Cadmium mg/L	<0.02	*	*	<0.02	<0.02	<0.01296	<12.96
Mercury μg/L	*	*	*	<0.2	<0.0002	<0.0001296	
Selenium μg/L	*	*	*	<0.74	<0.00074	<0.00047952	<0.47952

Maximum Flow

values recorded as 1/2 0f LOD for statistical purposes

Barium mg/L	< 0.02	*	*	0.022	0.016	0.010368	10.368

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L ATTACHE	nont F	1 Kileeı	ne IIne	tream	Table E	- 4
Sample Date	24/09/2008		13 Ops	Cam	Table L	-7
Sample	River	River	Average			
Sample Code	GS987	GT051	Average			
•	*	*	*			
Flow M ³ /Day	*					
pH	*	7.9	7.9			
Temperature ℃	*					
Cond 20 ℃	*	281	281			
SS mg/L	*	19	19			
NH ₃ mg/L	*	<0.1	<0.1			
BOD mg/L	*	<1.0	<1.0			
COD mg/L	*	<21	<21			
TN mg/L	*	6.9	6.9			
Nitrite mg/L	*	0.014	0.014			
Nitrate mg/L	*	5.95	5.95			
TP mg/L		<0.20	<0.20			,4· 5
O-PO4-P mg/L	<0.05	0.07	0.0475			ce a for an
SO4 mg/L	*	<30	<30			out of their
Phenols µg/L	*	<0.10	<0.10		o o	jour priced
Atrazine µg/L	*	<0.01	<0.01			Cox
Dichloromethane	*	<1	<1		For Pride	
Simazine µg/L	*	<0.01	<0.01		cent of	
Toluene μg/L	*	<1 *	<1 *		Consent	
Tributyltin μg/L	*	<1	<1			
Xylenes μg/L Arsenic μg/L	*	<0.96	<0.96			
Chromium mg/L	*	<0.90	<0.90			
Copper mg/L	*	<0.02	<0.02			
Cyanide μg/L	*	<0.02 <5	<0.02 <5			
Fluoride μg/L	*	46	46			
Lead mg/L	*	<0.02	<0.02			
Nickel mg/L	*	<0.02	<0.02			
Zinc mg/L	*	<0.02	<0.02			
Boron mg/L	*	<0.02	<0.02			
Cadmium mg/L	*	<0.02	<0.02			
Mercury μg/L	*	<0.02	<0.02			
Selenium μg/L	*	1.7	1.7			
Barium mg/L	*	0.051	0.051			

values recorded as 1/2 0f LOD for statistical purposes

Attachme	ent E4	Kileens	s Dowr	stream	Table	E 4
Sample Date	24/9/2008	15/1/2009				
Sample	River	River	Average			
Sample Code	GS988	GT052				
Flow M ³ /Day	*	*				
рН	*	7.5	7.5			
Temperature °C	*	*	*			
Cond 20°C	*	258	258			
SS mg/L	*	26	26			
NH ₃ mg/L	*	<0.1	<0.1			
BOD mg/L	*	1	1			
COD mg/L	*	32	32			
TN mg/L	*	4.9	4.9			
Nitrite mg/L	*	0.037	0.037			
Nitrate mg/L	*	4.07	4.07			
TP mg/L	*	<0.20	<0.20			i d
O-PO4-P mg/L	< 0.05	0.1	0.0625			es only are
SO4 mg/L	*	7.5	7.5			nity of the C
Phenols μg/L	*	<0.1	<0.1		,	don Pries
Atrazine μg/L	*	<0.01	<0.01		itispe	O
Dichloromethane	*	<1	<1		FORTH	
Simazine μg/L	*	<0.01	< 0.01		altole	
Toluene μg/L	*	<1	<1		Conser	
Tributyltin μg/L	*	*	*			
Xylenes μg/L	*	<1	<1			
Arsenic μg/L	*	<0.96	<0.96			
Chromium mg/L	*	<0.02	< 0.02			
Copper mg/L	*	<0.02	<0.02			
Cyanide μg/L	*	<5	<5			
Fluoride μg/L	*	49	49			
Lead mg/L	*	<0.02	<0.02			
Nickel mg/L	*	<0.02	<0.02			
Zinc mg/L	*	<0.02	< 0.02			
Boron mg/L	*	<0.02	<0.02			
Cadmium mg/L	*	<0.02	<0.02			
Mercury μg/L	*	<0.2	<0.2			
Selenium μg/L	*	1.2	1.2			

Barium mg/L	*	0.034	0.034		

values recorded as 1/2 0f LOD for statistical purposes

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Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 1 of 1

February 19,2009

Industry Name Address Kileens WWTP Kileens

Co. Cork

Industry Code No.

356

Report Ref No. 719-02-09-006

Issued to O Courling

WEIP.

Licence No.

Type

Licence Limit	Volume m3	pH 12.99 3.99		BOD mg/l 25	ľ	COD mg/l 125		SS mg/l 35	TP-P mg/l 99	TN-N mg/l 99	NH3-N mg/l 99	Code	Comments
Date 28/02/08		7.6	*	38	*	148	*	52	8.25	33.65	28	GS140	G
24/09/08				22		57	*	38				GS986	G
09/10/08			*	38	*	134	*	83				GS1025	G
15/01/09		7.4	*	47	*	167	*	37	7.0	34.5	33.4	GT049	G
% Compl. Average	*** ****	100 7.50	36	25 5.25	1	25 26.50	4	0 52.50	100 7.63	100 34.08	100 30.70		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF.

C = Composite Sample, G = Grab Sample.

The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pH

CP NO. 6 = C.O.D.

CPNO: 7 - CIVY

CP NO.22=Ammonia(KONELAB)
CP NO.25=Sulphate(KONELAB)

CP NO.23 = OPO4-P(KONELAB)

CP NO.24 = Chloride (KONELAB)

CP NO.25=Start This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

1. Hamon.

Date: 19 2 09

Ms. V. Hannon

Technical Manager

Deputy Technical Manager

CTR 001

Issue No 16.

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

- a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.
- b. Cork County Council wastewater laboratory are not accredited for sample collection.
- c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated Uncertainty	Units	
	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0.30	mg/l	
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	± 3.2	mg/l	
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l	
CP No. 3	35 mg/l	Suspended Solids (SS)	± 6.4	mg/l	
CP No. 3	200 - 400mg/l	Suspended Solids (SS)			
CP No. 3	700 – 1000mg/l		± 41.6	mg/l	
		Suspended Solids (SS)	± 80.0	mg/l	
CP No. 5	2 - 12	pH	± 0.12	pH Units	
CP No. 6	< 6 mg/l	Chemical Oxygen Demand (COD LR)	± 5.6	mg/l	
CP No. 6	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	±10,6	mg/l	
CP No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	± 17.4	mg/l	
CP No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD)	± 26.8	mg/l	
CP No. 20	0.2 – 2.5 mg/l	High Range Total Phosphorus (TP-B)	± 0.22	mg/l	
CP No. 22	0.1 - 0.9 mg/l	Ammonia (Konelab)	± 0.04	mg/l	
CP No. 22	1.0 - 2.0 mg/l	Ammonia (Konelab)	± 0.10	mg/l	
CP No. 22	2 – 10 mg/l	Ammonia (Konelab)	± 0.32	mg/l	
P No. 22	11 – 19 mg/l	Ammonia (Konelab)	± 0.72	mg/l	
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	± 1.56	mg/l	
P No. 23	0.05 – 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l	
P No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	± 3,04	mg/l	
P No. 24	100.00 – 200.00 mg/l	Chloride (Konelab)	±11.16	mg/l	
No. 25	30.00 – 199.00 mg/l	Sulphate (Konelab)	± 3.42		
No. 25	200.00 – 250.00 mg/l	Sulphate (Konelab)		mg/l	
200 -	- 200.00 – 250,00 mg/l	Surbitate (Konelab)	± 8.70	mg/l	

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.





Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 2 of 1 February 19,2009

Industry Name Address

Kileens WWTP

Kileens Co. Cork Industry Code No. 356 Report Ref No. 119-02-09-006

Issued to ORla Courtnay WSIP

Licence No.

Type

	4									
Licence Limit	Volume m3	OPO4-F mg/l 99	SO4 mg/l 999						Code	Comments
Date 28/02/08 24/09/08		5.5	67.3				eiv.			
09/10/08										
15/01/09		4.88	50.4							
% Compliance		100	100	***	***	***	***	***		
Average		5.19	58.85	****	****.**	****	****.**	*****		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF.

C = Composite Sample, G = Grab Sample. The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

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CP NO. 3 = S.S.

CP NO. 5 = pH

CP NO.23 = OPO4-P(KONELAB)

CP NO. 6 = C.O.D.

CP NO.20 = TP-P

CP NO.24 = Chloride (KONELAB)

CPNO.7-Cl VH. CPNO.22=Ammonia(KONELAB) CP NO.25=Sulphate(KONELAB)

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Reported by:

Ms. V. Hannon

Technical Manager

Deputy Technical Manager

CTR 001

Issue No 5 6

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.

b. Cork County Council wastewater laboratory are not accredited for sample collection.

c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated	Units
CP No. 1	1 0 4	1.	Uncertainty	Onits
	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0.30	mg/l
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	± 3.2	mg/l
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l
CP No. 3	35 mg/l	Suspended Solids (SS)	±6.4	mg/l
CP No. 3	200 - 400mg/l	Suspended Solids (SS)	±41.6	mg/l
CP No. 3	700 – 1000mg/l	Suspended Solids (SS)	± 80,0	mg/l
CP No. 5	2 - 12	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2 00,0	Ing/I
ASSOCIATION AND ASSOCIATION AS	No. of the second secon	pН	± 0.12	pH Units
CP No. 6	< 6 mg/l	Chemical Oxygen Demand (COD LR)	± 5.6	mg/l
CP No. 6	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	± 10.6	mg/l
CP No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	±17.4	mg/l
CP No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD) High Range	± 26.8	mg/l
CP No. 20	0.2 – 2.5 mg/l	Total Phosphorus (TP-P)	± 0.22	mg/l
CP No. 22	0.1 – 0.9 mg/l	Ammonia (Konetab)	± 0.04	mg/l
CP No. 22	1.0 – 2.0 mg/l	Ammonia (Conglab)	± 0.10	mg/l
CP No. 22	2 – 10 mg/l	Ammonia (Konelab)	± 0,32	mg/l
P No. 22	11 – 19 mg/l	Amannia (Konelab)	± 0.72	mg/l
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	±1.56	mg/l
P No. 23	0.05 – 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l
P No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	±3.04	mg/l
P No. 24	100,00 - 200.00 mg/l	Chloride (Konelab)	±11.16	mg/l
No. 25	30.00 – 199.00 mg/l	Sulphate (Konelab)	±3.42	mg/l
P No. 25	200.00 - 250,00 mg/l	Sulphate (Konelab)	Contract to	
		(Koneigo)	± 8.70	· mg/l

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.

Status Report for SW_Lee228Shournagh_1Blarney Waterbody

WaterBody Category: river

WaterBody Name: SW_Lee228Shournagh_1Blarney

WaterBody Code: IE_SW_19_769

Overall Status Result: Moderate

Test Date: 12/1/2008 12:00:00 AM

TIP STATUS DESCRIPTION **RESULT SubCat Supporting Elements** Hydromorphology MOR n/a PAS Specific Relevant Pollutants n/a Consent of copyright owner required for any other use. PC Fail General Physico-Chemical **SubCat Biological Elements** Q Good Macroinvertebrates (Q-Value) DΙ Phytobenthos (Diatoms) n/a FΙ Fish n/a **SubCat Chemical Status** SPO n/a **Chemical Status** SubCat Overall Ecological Status Overall Ecological Status Moderate O

Kileens

Upstream Q station none

Q2004-2007 -

Downstream Q station Bridge NW Kileens Cross (329m)

Q2004-2007 4

Waterbody code SW_19_769 (See map for extents)

Protected area within no Category -

Ecological Status Moderate

Source of downgrade Physiochemical

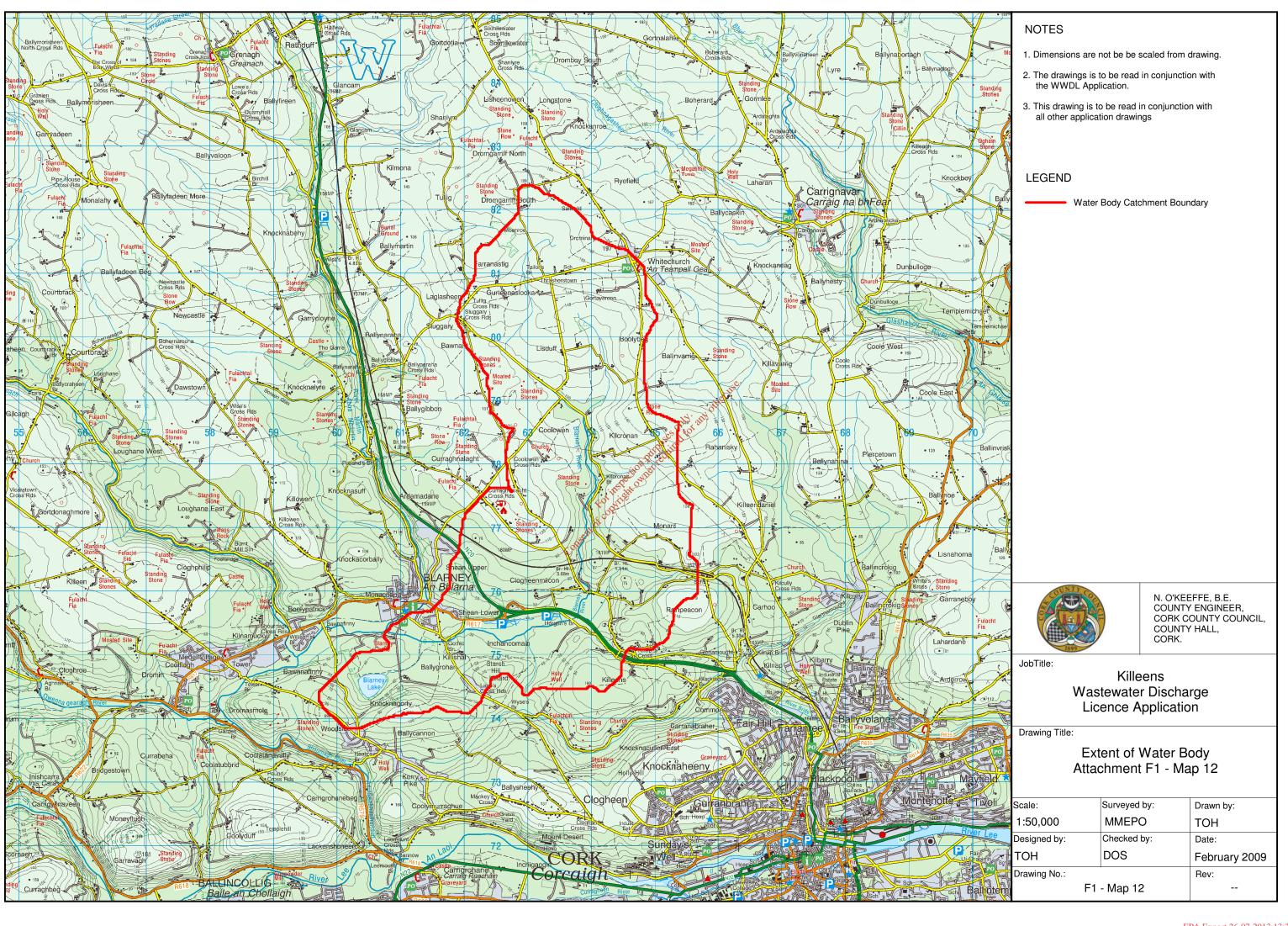
WFD Objective Restore Point source Risk yes

Risk type insufficient plant capacity existing and future(2015)

Insufficient Assimilative capacity existing and

future(2015)

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				Parameter ⁻	Гетрегаtu	Dissolved (рН	BOD	Nitrite	Molybdate	Ammoniun	Nitrate	Hardness	Alkalinity
						02		02	NO2	Р	NH4	NO3	CaCO3	CaCO3
				Max.		15	Varies	Varies	0.05	Varies	Varies	Varies		
				Target										
				Min.		5	Varies							
			ocation N Sample Te Sample Re Sample Da S		Degrees C	mg/l	pH units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Blarney River	Br. N.W. Ki 19B02050(75541.8 WFD Oper 2008/0418 12-Mar-08	09:45			7.7	0.9	0.069	0.073	0.263	31.3	118	80
Blarney River	Br. N.W. Ki 19B02050(75541.8 WFD Oper 2008/1172 11-Jun-08	09:35	16.6	12.4	7.5	0.5	0.219	0.165	0.625	<i>33.9</i>	130	120
Blarney River	Br. N.W. Ki 19B02050(75541.8 WFD Oper 2008/1858 13-Aug-08	09:50	13.2	9	7.6	1.4	0.089	0.114	0.101	23.9	63	88
Blarney River	Br. N.W. Ki 19B02050(75541.8 WFD Oper 2008/2964 05-Nov-08	10:10 Chloride 20	10	10	7.7	0.7	0.064	0.079	0.285	<i>37.7</i>	122	86
Blarney River	Br. N.W. Ki 19B02050(163680.3	75541.8 WFD Oper 2008/3284 04-Dec-08	09:30	7	11	7.9	1.5	0.091	0.104	0.194	23.1	104	90
				Sample Coun	4	4	5	5	5	5	5	5	5	5
				Maximum	16.6	12.4	7.9	1.5	0.219	0.165	0.625	37.7	130	120
				Minimum	7	9	7.5	0.5	0.064	0.073	0.101	23.1	63	80
				Mean	11.7	10.6	7.68	1	0.106	0.107	0.294	30	107	92.8
				Median	11.6	10.5	7.7	0.9	0.089	0.104	0.263	31.3	118	88
				Std. Deviatior	4.13	1.45	0.148	0.436	0.064	0.037	0.199	6.34	26.6	15.7
Blarney River	East Stream Monard	164252.5	75925.5 Phosphate 2008/1195 11-Jun-08	09:20							0.069			
Blarney River	East Stream Monard	164252.5	75925.5 Phosphate 2008/1863 13-Aug-08	09:40	13.6	9.8			0.04	0.065	0.047	<i>25.01</i>		
Blarney River	East Stream Monard	164252.5	75925.5 Phosphate 2008/3286 04-Dec-08	09:15	7.1	11.5			0.046	0.095	0.247			
				Sample Coun	2	2	0	0	2	2	3	1	0	0
				Maximum	13.6	11.5			0.046	0.095	0.247	25.01		
				Minimum	7.1	15 [©] 9.8			0.04	0.065	0.047	25.01		
				Mean	10.4 othe	10.6			0.043	0.08	0.121	25		
				Median	01140.44 Or	10.6			0.043	0.08	0.069	25		
						1.2			0.004	0.021	0.11	0		
Blarney River	Monard Mill	163958.2	76003.9 Phosphate 2008/1173 11-Jun-08	09:15 09:30 10:25 edien purper 09:05, policy of the con-	^{ده} 16.4	9.8			0.051	0.073	0.066			
Blarney River	Monard Mill	163958.2	76003.9 Phosphate 2008/1862 13-Aug-08	09:30	13.1	10.2			0.082	0.116	0.071	24.75		
Blarney River	Monard Mill	163958.2	76003.9 Phosphate 2008/2963 05-Nov-08	10:25 cito not 10:05.	10.1	10.7			0.017	0.032	0.045			
Blarney River	Monard Mill	163958.2	76003.9 Phosphate 2008/3285 04-Dec-08	09:05	6.7	11.9			0.084	0.109	0.17			
				Sample Coun	4	4	0	0	4	4	4	1	0	0
				Maximum	16.4	11.9			0.084	0.116	0.17	24.75		
				Minimum	6.7	9.8			0.017	0.032	0.045	24.75		
				Mean Mean	11.6	10.6			0.059	0.082	0.088	24.8		
				Median	11.6	10.4			0.066	0.091	0.068	24.8		
				Std. Deviatior	4.14	0.913			0.032	0.039	0.056	0		

CI	Appearanc	Chloride	Dissolved (Colour	Conductivit
Descriptive mg/l % O2 Hazen µS/cm			150	Varies	
Descriptive mg/l % O2 Hazen µS/cm silty bed 25.1 63 292 clear 21.7 124 320 16 88 263 20.2 90 15 303 Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99					
silty bed 25.1 63 292 clear 21.7 124 320 16 88 263 20.2 90 15 303 Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 95 Clear 99 - 97 - 2.83 clear 105 99 94 101 - 0 0 - 94 0 0 - 94 0 0 - 99.8 0 0 - 99.8 0 0 - 99.8 0 0 0			50		
clear 21.7 124 320 16 88 263 20.2 90 15 303 Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 9 - 97 97 - 2.83 0 0 - 99 94 Turbid 101 0 4 0 0 - 94 99.8 9.8 0 0 - 99.8 100 0 0 0			% O2		
Turbid 19.4 94 137 258 Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 - 99 - 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100				63	292
Turbid 19.4 94 137 258 Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	clear		124		
Turbid 19.4 94 137 258 - 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 - clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100					
- 5 4 3 5 - 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 - clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100		20.2	90		303
- 25.1 124 137 320 - 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 - clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	Turbid	19.4	94	137	258
- 16 88 15 258 - 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-	5	4	3	5
- 20.5 99 71.7 287 - 20.2 92 63 292 - 3.32 16.9 61.5 26.4 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 - 99 - 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-	25.1	124	137	320
- 20.2 92 63 292 - 3.32 16.9 61.5 26.4 95 Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 - 99 - 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-	16	88	15	258
- 3.32 16.9 61.5 26.4 95	-	20.5	99	71.7	287
Clear 99 - 0 2 0 0 - 99 - 99 - 95 - 97 - 97 - 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-	20.2	92	63	292
Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	_	3.32	16.9	61.5	26.4
Clear 99 - 0 2 0 0 - 99 - 95 - 97 - 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100					
- 0 2 0 0 - 99 - 95 - 97 - 97 - 97 - 2.83 clear 105 - 99 - 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100			95		
- 99 - 95 - 97 - 97 - 97 - 2.83 - clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	Clear		99		
- 95 - 97 - 97 - 2.83 - clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-	0	2	0	0
- 97 - 97 - 2.83 clear 105 - 99 - 94 - Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-		99		
- 97 - 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-		95		
- 2.83 clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-		97		
clear 105 99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-		97		
99 94 Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	-		2.83		
Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100	clear		105		
Turbid 101 - 0 4 0 0 - 105 - 94 - 99.8 - 100			99		
- 0 4 0 0 - 105 - 94 - 99.8 - 100			94		
- 105 - 94 - 99.8 - 100	Turbid		101		
- 94 - 99.8 - 100	-	0	4	0	0
- 99.8 - 100	-		105		
- 100	-		94		
	-		99.8		
- 4.57	-		100		
			4.57		

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Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

of 1 Page

February 19,2009

Industry Name Address

Kileens WWTP Kileens

Co. Cork

Industry Code No.

356

Report Ref No. 719-02-09-006

Issued to O Courting

Licence No.

Type

Licence Limit	Volume m3	pH 12.99 3.99		BOD mg/l 25		COD mg/l 125		SS mg/l 35	TP-P mg/l 99	TN-N mg/l 99	NH3-N mg/l 99	Code	Comments
Date 28/02/08		7.6	*	38	*	148	*	52	8.25	33.65	28	GS140	
24/09/08				22		57	*	38				GS986	G
09/10/08			*	38	*	134	*	83				GS1025	G
15/01/09		7.4	*	47	*	167	*	37	7.0	34.5	33.4	GT049	G
% Compl. Average	*** ****	100 7.50	3	25 6.25	1	25 26.50	4	0 52.50	100 7.63	100 34.08	100 30.70		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF. C = Composite Sample, G = Grab Sample.

The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pH

CP NO. 6 = C.O.D.

CPNO. 7 - CTUH CP NO.24 = Chloride (KONELAB)

CP NO.22=Ammonia(KONELAB) CP NO.25=Sulphate(KONELAB)

CP NO.23 = OPO4-P(KONELAB) This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

Ms. V. Hannon

Technical Manager

CTR 001

Issue No 16.

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

- a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.
- b. Cork County Council wastewater laboratory are not accredited for sample collection.
- c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated Uncertainty	Unit
	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0.30	mg/l
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	±3.2	mg/l
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l
CP No. 3	35 mg/l	Suspended Solids (SS)	± 6.4	mg/l
CP No. 3	200 - 400mg/l	Suspended Solids (SS)	± 41.6	mg/l
CP No. 3	700 – 1000mg/l	Suspended Solids (SS)	± 80.0	mg/l
CP No. 5	2-12	pH	0.0000000000000000000000000000000000000	Ing/i
CP No. 6	< 6 mg/l		± 0.12	pH Units
CP No. 6		Chemical Oxygen Demand (COD LR)	± 5.6	mg/l
	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	±10.6	mg/l
CP No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	± 17.4	mg/l
P No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD) High Range	± 26.8	mg/l
P No. 20	0.2 – 2.5 mg/l	Total Phosphorus (TP-D)	± 0.22	mg/l
P No. 22	0.1 - 0.9 mg/l	Ammonia (Konelah)	± 0.04	mg/l
P No. 22	1.0 - 2.0 mg/l	Ammonia (Konelab)	± 0.10	mg/l
P No. 22	2 – 10 mg/l	Ammonia (Konelab)	± 0.32	mg/l
P No. 22	11 – 19 mg/l	Ammonia (Konelab)	± 0.72	mg/l
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	± 1.56	mg/l
P No. 23	0.05 – 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l
P No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	± 3.04	mg/l
^o No. 24	100.00 - 200.00 mg/l	Chloride (Konelab)	±11.16	mg/l
No. 25	30.00 ~ 199.00 mg/l	Sulphate (Konelab)	±3.42	mg/l
No. 25	200.00 – 250.00 mg/l	Sulphate (Konelab)	± 8.70	mg/l

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.





Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 2 of 1

February 19,2009

Industry Name Address

Kileens WWTP

Kileens Co. Cork Industry Code No. 356 Report Ref No. 119-02-09-006

Issued to ORla Courthay WSIP

Licence No.

Type

Licence Limit	Volume m3	OPO4-I mg/l 99	SO4 mg/l 999						Code	Comments
Date 28/02/08 24/09/08		5,5	67.3							
09/10/08										
15/01/09		4.88	50.4							
% Compliance	3	100 5.19	100 58.85	***	*** ****	*** ***	*** ****	***		

The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF.

C = Composite Sample, G = Grab Sample. The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pH

CP NO.23 = OPO4-P(KONELAB)

CP NO. 6 = C.O.D.CP NO.24 = Chloride (KONELAB)

CPNO.7-Cl VH. CPNO.22=Ammonia(KONELAB) CP NO.25=Sulphate(KONELAB)

This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

Ms. V. Hannon

Technical Manager Deputy Technical Manager

CTR 001

Issue No 5 6

November 2007 October 2008.

Wastewater Laboratory Cork County Council- Test Report Addendum

a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.

b. Cork County Council wastewater laboratory are not accredited for sample collection.

c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality manual.

d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Chemical Procedure No.	range	Test Name	Estimated Uncertainty	Units
and the second second	1 - 8 mg/l	Biochemical Oxygen Demand (BOD)	± 0.30	mg/l
CP No. 1	9 –70 mg/l	Biochemical Oxygen Demand (BOD)	±3.2	mg/l
CP No. 1	71 - 700 mg/l	Biochemical Oxygen Demand (BOD)	± 40	mg/l
CP No. 3	35 mg/l	Suspended Solids (SS)	±6.4	mg/l
CP No. 3	200 - 400mg/l	Suspended Solids (SS)	±41.6	mg/l
CP No. 3	700 – 1000mg/l	Suspended Solids (SS)	± 80.0	mg/i
CP No. 5	2 - 12	pH		
CP No. 6	< 6 mg/l	A-0495	± 0.12	pH Units
		Chemical Oxygen Demand (COD LR)	±5.6	mg/l
CP No. 6	15 – 75 mg/l	Chemical Oxygen Demand (COD LR)	± 10.6	mg/l
CP No. 6	100 –135 mg/l	Chemical Oxygen Demand (COD LR)	±17.4	mg/l
CP No. 6	120 – 1500mg/l	Chemical Oxygen Demand (COD) High Range	± 26.8	mg/l
CP No. 20	0.2 – 2.5 mg/l	Total Phosphorus (TP-P)	± 0.22	mg/l
P No. 22	0.1 – 0.9 mg/l	Ammonia (Konetab)	± 0.04	mg/l
P No. 22	1.0 – 2.0 mg/l	Ammonia (Konelab)	± 0.10	mg/l
P No. 22	2 – 10 mg/l	Ammeria (Konelab)	± 0.32	mg/l
P No. 22	11 – 19 mg/l	Ampionia (Konelab)	±0.72	mg/l
P No. 22	20 – 25 mg/l	Ammonia (Konelab)	±1.56	mg/l
P No. 23	0.05 - 1.00 mg/l	Orthophosphate as P (Konelab)	± 0.04	mg/l
P No. 24	25.00 – 99.00 mg/l	Chloride (Konelab)	±3.04	mg/l
P No. 24	100.00 – 200.00 mg/l	Chloride (Konelab)	±11.16	mg/l
No. 25	30.00 – 199.00 mg/l	Sulphate (Konelab)	±3.42	mg/l
No. 25	200.00 - 250.00 mg/l	Sulphate (Konelab)	±8.70	· mg/l

January 2009

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.

Cork County

Water Services Investment Programme 2007 - 2009

Schemes at Construction	W/S	Est. Cost	Schemes to start 2009 contd.	W/S	Est. Cost
Cork North			Cork South		
Mitchelstown Sewerage Scheme			Ballincollig Sewerage Scheme (Upgrade) (G)	S	22,248,000
(Nutrient Removal)	S	221,000	Cork Lower Harbour Sewerage Scheme (excl. Crosshaven		73,542,000
			Shannagarry/ Garryvoe/ Ballycotton Sewerage Scheme	S	3,780,000
Cork South			Youghal Sewerage Scheme	S	14,420,000
Ballyvourney/ Ballymakeery Sewerage Scheme	S	3,049,000	roughal Sewerage Scriente	3	14,420,000
Cobh/ Midleton/ Carrigtwohill Water Supply Scheme Cork Lower Harbour Sewerage Scheme	W	10,135,000	Cork West		
(Crosshaven SS) (G)	S	4,850,000		C	692,000
Cork Water Strategy Study (G)	W	941,000	Ballydehob Sewerage Scheme	S	683,000
Kinsale Sewerage Scheme	S	20,000,000	Bantry Water Supply Scheme	W	14,935,000
Midleton Sewerage Scheme (Infiltration Reduction) ((G) S	2,078,000	Clonakilty Sewerage Scheme (Plant Capacity Increase)	S	3,677,000
		41,274,000	Courtmacsherry/ Timoleague Sewerage Scheme	S	2,472,000
Schemes to start 2007			Dunmanway Regional Water Supply Scheme Stage 1	W	12,669,000
					164,629,000
Cork North			Serviced Land Initiative		
North Cork Grouped DBO Wastewater Treatment	0	E 4E0 000			
Plant (Buttevant, Doneraile & Kilbrin)	S	5,150,000	Cork North		
Cork West			Ballyclough Water Supply Scheme	W	139,000
Skibbereen Sewerage Scheme	S	20,000,000	Ballyhooley Improvement Scheme	W/S	139,000
		25,150,000	Broghill-Raingoggin Sewerage Scheme	S	406,000
Schemes to start 2008			Bweeng Water Supply Scheme	W	115,000
		- D	Courchtown Sewerage Scheme (incl. Water)	W/S	543,000
Cork North		oction	Clondulane Sewage Treatment Plant	S	417,000
Mallow/ Ballyviniter Regional Water Supply Scheme	(H) W	8,652,000 8,400,000	Freemount Sewerage Scheme	S	150,000
Mallow Sewerage Scheme (H)	S	\$,4Q8;000	Pike Road Sewerage Scheme (incl. Water)	W/S	2,080,000
Ocals Ocasilis		948,000 1,296,000	Rathcormac Sewerage Scheme (incl. Water)	W/S	555,000
Cork South	S) C &	948,000	Spa Glen Sewerage Scheme	S	736,000
Ballincollig Sewerage Scheme (Nutrient Removal) (C Ballingeary Sewerage Scheme	عام الم	1,296,000	Uplands Fermoy Sewerage Scheme (incl. Water)	W/S	1,174,000
Bandon Sewerage Scheme Stage 2	S	14,729,000	Watergrasshill Water Supply Scheme (incl. Sewerage) (G)	W/S	4,151,000
City Environs (CASP) Strategic Study (G)	S	153,000			
Cloghroe Sewerage Scheme (Upgrade)	S	683,000	Cork South		
Coachford Water Supply Scheme	W	1,318,000	Ballincollig Sewerage Scheme (Barry's Rd Foul and		
Garrettstown Sewerage Scheme	S	2,153,000	Storm Drainage) (G)	S	1,164,000
Inniscarra Water Treatment Plant Extension Phase 1		2,678,000	Belgooley, Water Supply Scheme (incl. Sewerage)	W/S	2,913,000
Little Island Sewerage Scheme (G)	S	2,200,000	Blarney Water Supply Scheme (Ext. to Station Rd) (G)	W	416,000
			Carrigtwohill Sewerage Scheme (Treatment and		,,,,,,
Cork West			Storm Drain) (G)	S	7,632,000
Bantry Sewerage Scheme	S	7,148,000	Castlematyr Wastewater Treatment Plant Extension	S	1,200,000
Dunmanway Sewerage Scheme	S	2,153,000	Crookstown Sewerage Scheme (incl. Water)	W/S	1,200,000
Leap/ Baltimore Water Supply Scheme	W	6,365,000	Dripsey Water Supply Scheme (incl. Sewerage)	W/S	1,112,000
Schull Water Supply Scheme	W	5,253,000	Glounthane Sewerage Scheme (G)	S	1,576,000
		61,137,000		S	
Schemes to start 2009			Innishannon Sewerage Scheme		277,000
			Innishannon Wastewater Treatment Plant	S	694,000
Cork North			Kerrypike Sewerage Scheme	S	832,000
Banteer/Dromahane Regional Water Supply Scheme		1,576,000	Kerrypike Water Supply Scheme	W	416,000
Contain Meter Supply Scheme Extension	W	2,627,000	Killeagh Wastewater Treatment Plant Extension	S	1,200,000
Cork NW Regional Water Supply Scheme	W W	4,326,000	Killeagh Water Supply Scheme (includes Sewerage)	W/S	485,000
Cork NW Regional Water Supply Scheme Millstreet Wastewater Treatment Plant (Upgrade)	VV S	6,046,000 1,628,000	Killeens Sewerage Scheme	S	420,000
willow out wastewater freatment fram (opgrade)	J	1,020,000	Kilnagleary Sewerage Scheme	S	694,000
			Midleton Wastewater Treatment Plant Extension	S	4,050,000

Cork County contd.

Water Services Investment Programme 2007 - 2009

Serviced Land Initiative contd.	W/S	Est. Cost	Schemes to Advance through Planning cond.	W/S	Est. Cost
Cork South contd.			Cork South		
Mogeely, Castlemartyr & Ladysbridge Water Supply Scheme	e W	2,566,000	Carrigtwohill Sewerage Scheme (G)	S	20,000,000
North Cobh Sewerage Scheme (G)	S	3,193,000	Cork Sludge Management (G)	S	14,420,000
Riverstick Water Supply Scheme (incl. Sewerage)	W/S	525,000	Cork Water Supply Scheme (Storage - Mount Emla,		
Rochestown Water Supply Scheme	W	2,700,000	Ballincollig & Chetwind) (G)	W	8,500,000
Saleen Sewerage Scheme	S	1,051,000	Inniscarra Water Treatment Plant (Sludge Treatment)(G)W	5,356,000
Youghal Water Supply Scheme	W	2,300,000	Macroom Sewerage Scheme	S	5,150,000
			Minane Bridge Water Supply Scheme	W	1,421,000
Cork West					
Castletownshend Sewerage Scheme	S	1,576,000	Cork West		
		50,797,000	Bantry Regional Water Supply Scheme (Distribution)	W	9,455,000
Rural Towns & Villages Initiative			Cape Clear Water Supply Scheme	W	1,679,000
			Castletownbere Regional Water Supply Scheme	W	8,405,000
Cork North			Glengarriff Sewerage Scheme	S	2,500,000
Buttevant Sewerage Scheme (Collection System)	S	2,446,000	Roscarberry/Owenahincha Sewerage Scheme	S	1,576,000
Doneraile Sewerage Scheme (Collection System)	S	1,738,000	Skibbereen Regional Water Supply Scheme Stage 4	W	7,880,000
			ather		95,646,000
Cork South			My May C		
Innishannon (Ballinadee/ Ballinspittle/ Garrettstown)			Water Conservation Allocation		12,206,000
Water Supply Scheme	W	6,726,000	Water Conservation Allocation Water Conservation Allocation Asset Management Study South Western River Basin District (WFD) Project ¹		
		, and	Asset Management Study		300,000
Cork West		accite was			
Ballylicky Sewerage Scheme	S	2,158,000	South Western River Basin District (WFD) Project ¹		9,400,000
Baltimore Sewerage Scheme	S	7 0,102,000			
Castletownbere Sewerage Scheme	S	5,202,000	2		
Schull Sewerage Scheme	S S Conser	3,523,000	Programme Total	48	5,489,000
	COILS	24,950,000			
Schemes to Advance through Planning					
Cork North					
Mitchelstown North Galtees Water Supply Scheme	W	3,152,000			
Mitchelstown Sewerage Scheme	S	3,000,000			
Newmarket Sewerage Scheme	S	3,152,000			

¹ This project is being led by Cork County Council on behalf of other authorities in the River Basin District

⁽H) Refers to a Hub as designated in the National Spatial Strategy

⁽G) Refers to a Gateway as designated in the National Spatial Strategy

Agglomeration details

Leading Local Authority	Cork County Council
Co-Applicants	
Agglomeration	killeens
Population Equivalent	1200
Level of Treatment	Secondary however Tertiary after upgrade
Treatment plant address	Rathpeacon, Killeens, Cork
Grid Ref (12 digits, 6E, 6N)	164092 / 075447 (Verifed using GPS)
EPA Reference No:	

Contact details

Contact Name:	Patricia Power
Contact Address:	Area Operations South, County Hall, Carrigrohane Road, Medical Cork
Contact Number:	021 4285 2850 (4)
Contact Fax:	021 4276 32 100
Contact Email:	patricia power@corkcoco.ie
Conserv	For install on the control of the co

WWD Licence Application - killeens - Page: 1

Table D.1(i)(a): EMISSIONS TO SURFACE/GROUND WATERS (Primary Discharge Point)

Discharge Point Code: SW-1

Local Authority Ref No:	SW01				
Source of Emission:	Treated effluent				
Location:	Monard				
Grid Ref (12 digits, 6E, 6N)	163793 / 075646 (Verifed using GPS)				
Name of Receiving waters:	River Blarney				
Water Body:	River Water Body				
River Basin District	South Western RBD				
Designation of Receiving Waters:	No Designation				
Flow Rate in Receiving Waters:	0.002 m³.sec¹ Dry Weather Flow				
	0.06 m³.sec ⁻¹ 95% Weather Flow				
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	The volumes entered are for the proposed upgrade to the treatment plant as the system does not allow for the entry of quantities from the current treatment plant. Normal flows are 1DWF and max flows are 3DWF				

Emission Details:

(i) Volume emitted		ally, ally	
Normal/day	216 m ³	Maximum/day	648 m³
Maximum rate/hour		Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.0025 m³/sec	insphore	

WWD Licence Application - killeens - Page: 2

Table D.1(i)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance	As discharged						
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day			
рН	рН	24 hr flow proportional	= 9				
Temperature °C		24 hr flow proportional	= 30				
Electrical Conductivity (@ 25°C)	μS/cm	Grab	= 0				
Suspended Solids	mg/l	24 hr flow proportional	= 35	7.56			
Ammonia (as N)	mg/l	Grab	= 0	0			
Biochemical Oxygen Demand	mg/l	24 hr flow proportional	= 10	2.19			
Chemical Oxygen Demand	mg/l	24 hr flow proportional	= 70	15.33			
Total Nitrogen (as N)	mg/l	Grab	= 0	0			
Nitrite (as N)	mg/l	Grab	= 0	0			
Nitrate (as N)	mg/l	Grab	= 0	0			
Total Phosphorous (as P)	mg/l	Grab	= 0	0			
OrthoPhosphate (as P)	mg/l	24 hr flow proportional Grah	S= 1	0.219			
Sulphate (SO ₄)	mg/l	Grab	= 0	0			
Phenols (Sum)	μg/l	Grab only and	= 0	0			

For Orthophosphate: this monitoring should be undertaken on a sample differed on 0.45µm filter paper For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(i)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance		,	As discharged		
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day	
Atrazine	μg/l	Grab	= 0	0	
Dichloromethane	μg/l	Grab	= 0	0	
Simazine	μg/l	Grab	= 0	0	
Toluene	μg/l	Grab	= 0	0	
Tributyltin	μg/l	Grab	= 0	0	
Xylenes	μg/l	Grab	= 0	0	
Arsenic	μg/l	Grab	= 0	0	
Chromium	μg/l	Grab	= 0	0	
Copper	μg/l	Grab	= 0	0	
Cyanide	μg/l	Grab	= 0	0	
Flouride	μg/l	Grab	= 0	0	
Lead	μg/l	Grab	= 0	0	
Nickel	μg/l	Grab	= 0	0	
Zinc	μg/l	Grab	= 0	0	
Boron	μg/l	Grab	, ≅ 0	0	
Cadmium	μg/l	Grab 💉	= 0	0	
Mercury	μg/l	Grab	= 0	0	
Selenium	μg/l	Grab or all	= 0	0	
Barium	μg/l	Grab Grab Grab Grab Grab Grab Grab Grab	= 0	0	

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper For Phenols: USEPA Method 604, AWWA Standard Method 6240 are quivalent.

TABLE E.1(i): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Primary and Secondary Discharge Points

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m³/annum)	
SW-1	365	78840	



TABLE E.1(ii): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Storm Water Overflows

Identification Code for Discharge	Frequency of discharge		Complies with Definition of Storm
point	(days/annum)	Discharged (m³/annum)	Water Overflow



TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	163680 / 075542

Parameter		Results (mg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	15/01/09					
рН		= 7.5			Grab	2	Electrochemic al
Temperature	= 0				Grab	0	Electrochemic al
Electrical Conductivity (@ 25°C)		= 258			Grab	0.5	Electrochemic al
Suspended Solids		= 26			Grab	0.5	Gravimetric
Ammonia (as N)		< 0.1			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		= 1			Grab	0.06	Electrochemic al
Chemical Oxygen Demand		= 32		use.	Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0			Ther	Grab	0	ISE
Hardness (as CaCO₃)	= 0			1. 4	Grab	0	titrimetric
Total Nitrogen (as N)		= 4.9	95 ⁶⁵ 0	tot say	Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		= 0.037	alifedilite		Grab	0.001	Colorimetric
Nitrate (as N)		= 4.07	ion of real		Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.2	Petion purposes of		Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		= 0.1	N. O.		Grab	0.02	Colorimetric
Sulphate (SO ₄)		e 7.5 =	1		Grab	30	Colorimetric
Phenols (Sum)		< 0.1			Grab	0.1	GC-MS 2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on $0.45\mu m$ filter paper For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:		

TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	163680 / 075542

Parameter		Results (μg/l)			Sampling method	Limit of Quantitation	Analysis method / technique	
	01/01/09	15/01/09						
Atrazine		< 0.01			Grab	0.96	HPLC	
Dichloromethane		< 1			Grab	1	GC-MS1	
Simazine		< 0.01			Grab	0.01	HPLC	
Toluene		< 1			Grab	0.02	GC-MS1	
Tributyltin	= 0				Grab	0.02	GC-MS1	
Xylenes		< 1			Grab	1	GC-MS1	
Arsenic		< 0.96			Grab	0.96	ICP-MS	
Chromium		< 20			Grab	20	ICP-OES	
Copper		< 20			Grab	20	ICP-OES	
Cyanide		< 5		re.	Grab	5	Colorimetric	
Flouride		= 49		ner	Grab	100	ISE	
Lead		< 20		1. Volt	Grab	20	ICP-OES	
Nickel		< 20	ó	St. and other in	Grab	20	ICP-OES	
Zinc		< 20	Open of	XO.	Grab	20	ICP-OES	
Boron		< 20	alipalite		Grab	20	ICP-OES	
Cadmium		< 20	Rection pulled technic		Grab	20	ICP-OES	
Mercury		< 0.2	Deck Will		Grab	0.2	ICP-MS	
Selenium		= 1.2	12 ght		Grab	0.74	ICP-MS	
Barium		= 34	5 Tre		Grab	20	ICP-OES	

Additional Comments: TBT value is 0.02ug/l as Sn

TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	163958 / 076004

Parameter		Results (mg/l)			Sampling method	Limit of Quantitation	Analysis method / technique	
	24/09/08	01/01/09	15/01/09					
рН			= 7.9		Grab	2	Electrochemic al	
Temperature		= 0			Grab	0	thermometric	
Electrical Conductivity (@ 25°C)			= 281		Grab	0.5	Electrochemic al	
Suspended Solids			= 19		Grab	0.5	Gravimetric	
Ammonia (as N)			< 0.1		Grab	0.02	Colorimetric	
Biochemical Oxygen Demand			< 1		Grab	0.06	Electrochemic al	
Chemical Oxygen Demand			< 21	.6)*	Grab	8	Digestion & Colorimetric	
Dissolved Oxygen		= 0		21158	Grab	0	ISE	
Hardness (as CaCO ₃)		= 0		Other U.	Grab	0	titrimetric	
Total Nitrogen (as N)			= 6.9 = 0.014 posterior = 5.95 pur	र्धा आप	Grab	0.5	Digestion & Colorimetric	
Nitrite (as N)			= 0.014	3 7	Grab	0.001	Colorimetric	
Nitrate (as N)			= 5.950 ¹¹ edill		Grab	0.5	Colorimetric	
Total Phosphorous (as P)			00 04		Grab	0.2	Digestion & Colorimetric	
OrthoPhosphate (as P)	< 0.05		. √ = 0 .07		Grab	0.02	Colorimetric	
Sulphate (SO ₄)		Ŷ ^c	30 < 30		Grab	30	Turbidimetric	
Phenols (Sum)		\$	< 0.1		Grab	0.1	GS-MS 2	

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	
	•

TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	163958 / 076004

Parameter		Results (μg/l)				Limit of Quantitation	Analysis method / technique
	01/01/09	15/01/09					
Atrazine		< 0.01			Grab	0.96	HPLC
Dichloromethane		< 1			Grab	1	GC-MS1
Simazine		< 0.01			Grab	0.01	HPLC
Toluene		< 1			Grab	0.02	GC-MS1
Tributyltin	= 0				Grab	0.02	GC-MS1
Xylenes		< 1			Grab	1	GC-MS1
Arsenic		< 0.96			Grab	0.96	ICP-MS
Chromium		< 20			Grab	20	ICP-OES
Copper		< 20			Grab	20	ICP-OES
Cyanide		< 5		re.	Grab	5	Colorimetric
Flouride		= 46		ner	Grab	100	ISE
Lead		< 20		1. Volt	Grab	20	ICP-OES
Nickel		< 20	ó	St. and other in	Grab	20	ICP-OES
Zinc		< 20	Ges à	XO.	Grab	20	ICP-OES
Boron		< 20	alifediffe		Grab	20	ICP-OES
Cadmium		< 20	Section bull serving		Grab	20	ICP-OES
Mercury		< 0.2	Dect Wile		Grab	0.2	ICP-MS
Selenium		= 1.7	15 dit		Grab	0.74	ICP-MS
Barium		= 51	Nico State		Grab	20	ICP-OES

Additional Comments:	TBT value is 0.02ug/l as sn TBT testing not required
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Annex 2: Check List For Regulation 16 Compliance

Regulation 16 of the waste water discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007) sets out the information which must, in all cases, accompany a discharge licence application. In order to ensure that the application fully complies with the legal requirements of regulation 16 of the 2007 Regulations, all applicants should complete the following.

In each case, refer to the attachment number(s), of your application which contains(s) the information requested in the appropriate sub-article.

Regulat In the ca	ion 16(1) ase of an application for a waste water discharge licence, the application shall -	Attachment Number	Checked by Applicant
(a)	give the name, address, telefax number (if any) and telephone number of the applicant (and, if different, of the operator of any treatment plant concerned) and the address to which correspondence relating to the application should be sent and, if the operator is a body corporate, the address of its registered office or principal office,	B1	Yes
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,	B7	Yes
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the waste water treatment plant and/or the waste water discharge point or points to which the application relates,	B2	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	B9	Yes
(e)	specify the content and extent of the waste water discharge, the level of treatment provided, if any, and the flow and type of discharge,	C, D	Yes
(f)	give details of the receiving water body, including its protected area status, if any, and details of any sensitive areas or protected areas or both in the vicinity of the discharge point or points likely to be affected by the discharge concerned, and for discharges to ground provide details of groundwater protection schemes in place for the receiving water body and all associated hydrogeological and geological assessments related to the receiving water environment in the vicinity of the discharge.		Yes
(g)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and, if Regulation 17 does not apply, provide details of the likely environmental consequences of any such discharges,	E3	Yes
(h)	in the case of an existing waste water treatment plant, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,	E4	Yes
(i)	describe the existing or proposed measures, including emergency procedures, to prevent unintended waste water discharges and to minimise the impact on the environment of any such discharges,	G	Yes
(j)	give particulars of the nearest downstream drinking water abstraction point or points to the discharge point or points,	Not Applicable	Yes
(k)	give details, and an assessment of the effects of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit any pollution caused in such discharges,	F1	Yes
(I)	give detail of compliance with relevant monitoring requirements and treatment standards contained in any applicable Council Directives of Regulations,	G	Yes
(m)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work.	G3	Yes
(n)	Any other information as may be stipulated by the Agency.		No
Without	ion 16(3) prejudice to Regulation 16 (1) and (2), an application for a licence shall be anied by -	Attachment Number	Checked by Applicant
(a)	a copy of the notice of intention to make an application given pursuant to Regulation 9,	B8	Yes
(b)	where appropriate, a copy of the notice given to a relevant water services authority under Regulation 13,	Not Applicable	Yes
(c)	Such other particulars, drawings, maps, reports and supporting documentation as are necessary to identify and describe, as appropriate -		No
(c) (i)	the point or points, including storm water overflows, from which a discharge or discharges take place or are to take place, and	B3, B4	Yes
(c) (ii)	the point or points at which monitoring and sampling are undertaken or are to be undertaken,	E3	Yes
(d)	such fee as is appropriate having regard to the provisions of Regulations 38 and 39.	B9 (iii)	Yes

WWD Licence Application Annex II

Regulation 16(4) An original application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under Regulation 16(3) in hardcopy or in an electronic or other format as specified by the Agency.		Attachment Number	Checked by Applicant
1	An Original Application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under regulation 16(3) in hardcopy or in electronic or other format as specified by the agancy.		Yes
Regulation 16(5) For the purpose of paragraph (4), all or part of the 2 copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in an electronic or other format specified by the Agency.		Attachment Number	Checked by Applicant
1	Signed original.		Yes
2	2 hardcopies of application provided or 2 CD versions of application (PDF files) provided.		Yes
3	1 CD of geo-referenced digital files provided.		Yes
Regulation 17 Where a treatment plant associated with the relevant waste water works is or has been subject to the European Communities (Environmental Impact Assessment) Regulations 1989 to 2001, in addition to compliance with the requirements of Regulation 16, an application in respect of the relevant discharge shall be accompanied by a copy of an environmental impact statement and approval in accordance with the Act of 2000 in respect of the said development and may be submitted in an electronic or other format specified by the Agency		Attachment Number	Checked by Applicant
1	EIA provided if applicable	Not Applicable	Yes
2	2 hardcopies of EIS provided if applicable.	Not Applicable	Yes
3	2 CD versions of EIS, as PDF files, provided.	Not Applicable	Yes

