APPENDIX 10

GROUNDWATER & SURFACE WATER SAMPLING LOGS

GROUNDWATER SAMPLING ROUNDS 1-3

SURFACEWATER SAMPLING ROUNDS 1-2

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Consent of copyright owner required for any other use.

GROUND WATER WELL FIELD MONITORING LOG BH1 - 27.06.17

		PROJECT DETAILS		
Project:		Winsa	c - Skerries	
Location:			, Skerries, County Dublin	
Sampler(s):			gan & Pablo Rigual	
Date:		27,	/06/2017	
	CP	OUNDWATER WELL DETA	пс	
Well No.:	BH1	Grid Reference:	E323179.2	N260811.8
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	11200011.0
Diameter (mm):	50	Water Level(m bTOC):	10.7	9
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	17.8	3
Elevation (Tophat Cover or Manhole Cover):	25.43	Water Column or Head (m)	7.04	1
Elevation (Top of Casing):	25.06	Water Volume (L):	14.0	-
	$\geq \leq$	Water Level(m AOD):	14.2	7
		FIELD OBSERVATIONS	•	
Purge Volume (L) (3 well volumes at time of sampling):		1170° 1110°	42.24	
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None			
Sheen or Product Film:	None			
Emulsified Product:	None			
Comments:	Consecutive None			



GROUND WATER WELL FIELD MONITORING LOG BH2 - 27.06.17

		PROJECT DETAILS	
Project:			c - Skerries
Location:			Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		27/0	06/2017
	- CI		н с
Well No.:	BH2	ROUNDWATER WELL DETA Grid Reference:	E323121.42 N260847.85
Downgradient (D) or Upgradient			
(U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	10.47
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	14.42
Elevation (Tophat Cover or Manhole Cover):	25.6	Water Column or Head (m)	3.95
Elevation (Top of Casing):	25.28	Water Volume (L):	7.9
	\langle	Water Level(m AOD):	14.81
		वार्षि था,	
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		ection purporteduite	23.70
Colour:		Brown (High turbidity	y due to suspended solids)
Odour:			None
Sheen or Product Film:		t cold	None
Emulsified Product:		i ot	None
Comments:			



GROUND WATER WELL FIELD MONITORING LOG BH3 - 27.06.18

		c - Skerries
		, Skerries, County Dublin
		gan & Pablo Rigual
	27/	/06/2017
CD	OUNDWATED WELL DETA	II C
		E323180.78 N260844.73
D	Oil Level (m bTOC):	0
50	Water Level(m bTOC):	7.98
Tophat	Product Thickness (mm):	0
Yes	Total Depth(m bTOC):	13.07
23.13	Water Column or Head (m)	5.09
22.73	Water Volume (L):	10.18
><		14.75
	OV K*	
	ction purpodities	30.54
Brown (High turbidity due to suspended solids)		
None		
None		
None None		
	BH3 D 50 Tophat Yes 23.13	Barnageeragh Cove Andrena Mee 27/ GROUNDWATER WELL DETA BH3 Grid Reference: D Oil Level (m bTOC): 50 Water Level(m bTOC): Tophat Product Thickness (mm): Yes Total Depth(m bTOC): 23.13 Water Column or Head (m) 22.73 Water Volume (L): Water Level(m AOD): FIELD OBSER ATTONS Brown (High turbidity of the product turbidity of turbidity of the product turbidity of the product turbidity of turbidit



GROUND WATER WELL FIELD MONITORING LOG BH4 - 27.06.17

		PROJECT DETAILS		
Project:		Winsa	ac - Skerries	
Location:			e, Skerries, County Dublin	
Sampler(s):			gan & Pablo Rigual	
Date:		27	/06/2017	
		OUNDWATER WELL DETA		
Well No.:	BH4	Grid Reference:	E323230.77 N260838.7	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	5.16	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.88	
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	5.72	
Elevation (Top of Casing):	18.97	Water Volume (L):	11.44	
	$>\!\!<$	Water Level(m AOD):	13.81	
			off	
		FIELD OBSERVATIONS		
Purge Volume (L)		es year	24.22	
(3 well volumes at time of		ito street 34.32		
sampling): Colour:		Brown (High turbidity due to suspended solids)		
Odour:			None	
Sheen or Product Film:				
Emulsified Product:	None			
Comments:	None None			



GROUND WATER WELL FIELD MONITORING LOG BH8 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:			Skerries, County Dublin
Sampler(s):			an & Pablo Rigual
Date:		02/	08/2017
		CACHELL DEFEATE	
Well No.:	ВН8	GAS WELL DETAILS Grid Reference:	F222215 200 N2C0052 102
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	E323215.389 N260853.182 0
Diameter (mm):	50	Water Level(m bTOC):	4.775
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	11.7
Elevation (Tophat Cover or Manhole Cover):	18.79	Water Column or Head (m)	6.925
Elevation (Top of Casing):	18.51	Water Volume (L):	13.85
	$\geq \leq$	Water Level(m AOD):	13.735
		only air,	
D V J G		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of		Durf quite	41.55
sampling):		ion exiety	+1.55
Colour:		Brown (High turbidit	y due to suspended solids)
Odour:			None
Sheen or Product Film:			None
Emulsified Product:			
Comments:	None None		



GROUND WATER WELL FIELD MONITORING LOG BH9 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:			e, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02	/08/2017
		G 1 G 17777 7 D 7777 1 7 G	
XX/ 11 N/	DIIO	GAS WELL DETAILS	F222222 607 N2 600 4 6 2 4
Well No.: Downgradient (D) or Upgradient	ВН9	Grid Reference:	E323228.607 N260846.34
(U)	D	Oil Level (m bTOC):	
Diameter (mm):	50	Water Level(m bTOC):	5.01
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	11.33
Elevation (Tophat Cover or Manhole Cover):	19.1	Water Column or Head (m)	6.32
Elevation (Top of Casing):	18.82	Water Volume (L):	12.64
		Water Level(m AOD):	13.81
		ारि यो	,
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		ion purpoquite	37.92
Colour:		Brown (High turbidi	ty due to suspended solids)
Odour:			None
Sheen or Product Film:			None
Emulsified Product:			
Comments:	None None		



GROUND WATER WELL FIELD MONITORING LOG BH10 - 02.08.17

PROJECT DETAILS			
Project:		Winsa	c - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02.	/08/2017
		GAS WELL DETAILS	
Well No.:	BH10	Grid Reference:	E323242 N260840
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.225
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.09
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	6.865
Elevation (Top of Casing):	18.92	Water Volume (L):	13.73
	><	Water Level(m AOD):	13.73
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling): Colour:	41.19 Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:	None None		



GROUND WATER WELL FIELD MONITORING LOG BH11 - 02.08.17

	PROJECT DETAILS			
Project:	Winsac - Skerries			
Location:			Skerries, County Dublin	
Sampler(s):		Andrena Meeg	gan & Pablo Rigual	
Date:		02/0	08/2017	
		GAS WELL DETAILS		
Well No.:	BH11	Grid Reference:	E323260.328 N260825.224	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):		
Diameter (mm):	50	Water Level(m bTOC):	5.51	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.54	
Elevation (Tophat Cover or Manhole Cover):	19.47	Water Column or Head (m)	7.03	
Elevation (Top of Casing):	19.22	Water Volume (L):	بي. 14.06	
	$>\!\!<$	Water Level(m AOD):	13.71	
		ELET D ODGEDNIA TRONG &	· of our	
Purge Volume (L) (3 well volumes at time of sampling):		ality ality	12.18	
Colour:		Brown High turbidity	y due to suspended solids)	
Odour:		gett white 1	None	
Sheen or Product Film:	ine None			
Emulsified Product:	None None			
Comments:				



GROUND WATER WELL FIELD MONITORING LOG BH12 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:			, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02/	/08/2017
		0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
XX7.11 N.T	DIII	GAS WELL DETAILS	E222277 202 N270020 757
Well No.: Downgradient (D) or Upgradient (U)	BH12 D	Grid Reference: Oil Level (m bTOC):	E323277.383 N260820.656 0
Diameter (mm):	50	Water Level(m bTOC):	5.5
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.49
Elevation (Tophat Cover or Manhole Cover):	19.35	Water Column or Head (m)	6.99
Elevation (Top of Casing):	19.18	Water Volume (L):	13.98
	\searrow	Water Level(m AOD):	13.68
		ारिक वर्ष	
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		ation per le	41.94
Colour:	Light Brow	vn (Moderate curbidity due to sus	pended solids. Water colour cleared with purging)
Odour:			None
Sheen or Product Film:	None		None
Emulsified Product:	None		None
Comments:			



GROUND WATER WELL FIELD MONITORING LOG BH13 - 02.08.17

		PROJECT DETAILS	
Project:			ac - Skerries
Location:		<u> </u>	e, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02	//08/2017
		GAS WELL DETAILS	
Well No.:	BH13	Grid Reference:	E323266.339 N260856.122
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	3.6
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.72
Elevation (Tophat Cover or Manhole Cover):	16.32	Water Column or Head (m)	7.12
Elevation (Top of Casing):	16.22	Water Volume (L):	14.24
	$>\!\!<$	Water Level(m AOD):	12.62
		ारि या	3
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes):		No. Les	42.72
Colour:			ty due to suspended solids)
Odour:			None
Sheen or Product Film:	\$0° \$1°		None
Emulsified Product:	None None		
Comments:	Conserved to the contract of t		



GROUND WATER WELL FIELD MONITORING LOG

PROJECT DETAILS					
Project:	Winsac - Skerries				
Location:	Barnageernagh Cove, Skerries, Co.Dublin				
Sampler(s):	Andrena Meegan & Pablo Rigual & Patrick McCabe				
Date:	27/06/2017 & 02/08/2017				

	MONITORING POINT DETAILS						
Monitoring Point No.:	BH1	Grid Reference:	E323179.2 N260811.8				
	BH2	Grid Reference:	E323121.42 N260847.85				
	ВН3	Grid Reference:	E323180.78 N260844.73				
	BH4	Grid Reference:	E323230.77 N260838.7				
	BH5(GAS)	Grid Reference:	E323149.6 N260853.84				
	BH6(GAS)	Grid Reference:	E323195.1 N260820.55				
	BH7(GAS)	Grid Reference:	E323240.9 N260782.11				
	BH8	Grid Reference:	E323215.389 N260853.182				
	BH9	Grid Reference:	E323228.607 N260846.34				
	BH10	Grid Reference:	E323242.576 N260840.602				
	BH11	Grid Reference:	E323260.328 N260825.224				
	BH12	Grid Reference:	E323277.383 N260820.656				
	ВН13	Grid Reference:	E323366.339 N260856.122				
	GAS1	Grid Reference:	E323366.339 N260856.122 E323168.39 N260856.122 E323168.09N260863.35 E323161.27N260866.06				
	GAS2	Grid Reference:	E323168.09N260863.35				
	GAS3	Grid Reference:	E323161.27N260866.06				
	GAS4	Grid Reference:	E323144.26N260876.65				



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GROUND WATER WELL FIELD MONITORING LOG BH1 - 27.06.17

		PROJECT DETAILS	
Project:			nc - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		27.	/06/2017
	CP	OUNDWATER WELL DETA	TI C
Well No.:	BH1	Grid Reference:	E323179.2 N260811.8
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	10.79
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	17.83
Elevation (Tophat Cover or Manhole Cover):	25.43	Water Column or Head (m)	7.04
Elevation (Top of Casing):	25.06	Water Volume (L):	14.08
	> <	Water Level(m AOD):	14.27
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		170° itee	42.24
Colour:		Brown (High turbidi	ty due to suspended solids)
Odour:		or idealit	None
Sheen or Product Film:			None
Emulsified Product:		A CO	None
Comments:	Conse		



GROUND WATER WELL FIELD MONITORING LOG BH2 - 27.06.17

		PROJECT DETAILS		
Project:		Winsa	c - Skerries	
Location:			, Skerries, County Dublin	
Sampler(s):			gan & Pablo Rigual	
Date:		27,	/06/2017	
XX/-H N/		ROUNDWATER WELL DETA		N260047.05
Well No.: Downgradient (D) or Upgradient	BH2	Grid Reference:	E323121.42	N260847.85
(U)	D	Oil Level (m bTOC):	()
Diameter (mm):	50	Water Level(m bTOC):	10	.47
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	()
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	14	42
Elevation (Tophat Cover or Manhole Cover):	25.6	Water Column or Head (m)	3.	95
Elevation (Top of Casing):	25.28	Water Volume (L):	7	9
	M	Water Level(m AOD):	14.	.81
		offs, all,		
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):		chical purpleduit	23.70	
Colour:		Brown (High turbidit	ty due to suspended solids)	
Odour:			None	
Sheen or Product Film:		1,000	None	
Emulsified Product:		OF	None	
Comments:				



GROUND WATER WELL FIELD MONITORING LOG BH3 - 27.06.18

		PROJECT DETAILS		
Project:			c - Skerries	
Location:			, Skerries, County Dublin	
Sampler(s):			gan & Pablo Rigual	
Date:		27/	/06/2017	
		OUNDWATER WELL DETA		
Well No.:	ВН3	Grid Reference:	E323180.78 N260844.73	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	7.98	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	13.07	
Elevation (Tophat Cover or Manhole Cover):	23.13	Water Column or Head (m)	5.09	
Elevation (Top of Casing):	22.73	Water Volume (L):	2 10.18	
	$\geq \leq$	Water Level(m AOD):	14.75	
		only all,		
		FIELD OBSERVATIONS		
Purge Volume (L)		nitro nitro	30.54 ty due to suspended solids)	
(3 well volumes at time of		on or red	30.34	
sampling): Colour:		Prown (High turbidit	ty due to suspended solids)	
Odour:		ing All	None	
Sheen or Product Film:	None			
Emulsified Product:	None			
Zindisired Froduct.	*	<u></u>	11000	
Comments:				



GROUND WATER WELL FIELD MONITORING LOG BH4 - 27.06.17

		PROJECT DETAILS	
Project:			ac - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		27.	/06/2017
XX/-H NJ		ROUNDWATER WELL DETA	
Well No.: Downgradient (D) or Upgradient	BH4	Grid Reference:	E323230.77 N260838.7
(U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.16
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.88
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	5.72
Elevation (Top of Casing):	18.97	Water Volume (L):	11.44
	> <	Water Level(m AOD):	13.81
			offic
		FIELD OBSERVATIONS	
Purge Volume (L)		put of street for the	34.32
(3 well volumes at time of sampling):		at 20 rities	34.32
Colour:		Brown (High turbidi	ty due to suspended solids)
Odour:			None
Sheen or Product Film:		in Spito	None
Emulsified Product:		<u>, v. 6y</u>	None
Comments:	Con	A CORP.	



GROUND WATER WELL FIELD MONITORING LOG BH8 - 02.08.17

		PROJECT DETAILS	
Project:			c - Skerries
Location:			Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02/	08/2017
		GAS WELL DETAILS	
Well No.:	вня	Grid Reference:	E323215.389 N260853.182
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	4.775
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	11.7
Elevation (Tophat Cover or Manhole Cover):	18.79	Water Column or Head (m)	6.925
Elevation (Top of Casing):	18.51	Water Volume (L):	13.85
	$>\!\!<$	Water Level(m AOD):	13.735
		EIELD ODGEDY WOODG	
Purge Volume (L)		FIELD OBSERVATIONS	
(3 well volumes at time of		Out Papile	41.55
sampling):		ion or ie	
Colour:		Brown (High turbidit	y due to suspended solids)
Odour:		r itis dhi	None
Sheen or Product Film:		FOOTH	None
Emulsified Product:		St COV	None
Comments:		WATER FINITE SUITE	Special Street of the Control of the



GROUND WATER WELL FIELD MONITORING LOG BH9 - 02.08.17

		PROJECT DETAILS	
Project:			ac - Skerries
Location:			e, Skerries, County Dublin
Sampler(s):			gan & Pablo Rigual
Date:		02	/08/2017
		CACWELL DETAILS	
Well No.:	ВН9	GAS WELL DETAILS Grid Reference:	E323228.607 N260846.34
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	E323220.007 172000H0.5H
Diameter (mm):	50	Water Level(m bTOC):	5.01
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	11.33
Elevation (Tophat Cover or Manhole Cover):	19.1	Water Column or Head (m)	6.32
Elevation (Top of Casing):	18.82	Water Volume (L):	12.64
	$>\!\!<$	Water Level(m AOD):	13.81
		ally all	,
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		tion did the turbidi	37.92
colour:		Brown (High turbidi	ty due to suspended solids)
Odour:			None
Sheen or Product Film:			None
Emulsified Product:			None
Comments:	e de	MULBOT EAST SALE BASES WATER TO CHARMINGS WATER THE CHARMINGS WATE	Wiley Skelle Wiley Skelle Wiley Skelle Wiley Skelle Wiley Skelle



GROUND WATER WELL FIELD MONITORING LOG BH10 - 02.08.17

		PROJECT DETAILS				
Project:			ac - Skerries			
Location:			e, Skerries, County Dublin			
Sampler(s):			gan & Pablo Rigual			
Date:		02	/08/2017			
		GAS WELL DETAILS				
Well No.:	BH10	Grid Reference:	E323242 N260840			
Downgradient (D) or Upgradient (U)	D					
Diameter (mm):	50	Water Level(m bTOC):	5.225			
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0			
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.09			
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	6.865			
Elevation (Top of Casing):	18.92	Water Volume (L):	13.73			
	><	Water Level(m AOD):	13.73			
		FIELD OBSERVATIONS	•			
Purge Volume (L) (3 well volumes at time of sampling): Colour:		Brown (High turbidi	41.19 ty due to suspended solids)			
Odour:			None			
Sheen or Product Film:			None			
Emulsified Product:		Stor.	None			
Comments:		WHERE TENE SERVICE WHERE SERVICE WHERE TENE SERVICE WHERE TENE SERVICE WHERE TENE SERVICE	MATER SCHOOLS			



GROUND WATER WELL FIELD MONITORING LOG BH11 - 02.08.17

		PROJECT DETAILS		
Project:		Winsac	c - Skerries	
Location:		Barnageeragh Cove,	Skerries, County Dublin	
Sampler(s):		Andrena Meeg	gan & Pablo Rigual	
Date:		02/	08/2017	
•				
		GAS WELL DETAILS		
Well No.:	BH11	Grid Reference:	E323260.328 N260825.224	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):		
Diameter (mm):	50	Water Level(m bTOC):	5.51	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.54	
Elevation (Tophat Cover or Manhole Cover):	19.47	Water Column or Head (m)	7.03	
Elevation (Top of Casing):	19.22	Water Volume (L):	14.06	
	> <	Water Level(m AOD):	13.71	
			oth	
		FIELD OBSERVATIONS	ant	
Purge Volume (L)		SES 0 10	40.10	
(3 well volumes at time of		outposes of o	42.18	
sampling):		Durang (Nick and idia	y due to suspended solids)	
Colour:				
Odour: Sheen or Product Film:	None None			
Emulsified Product:	None None			
	Ç			



GROUND WATER WELL FIELD MONITORING LOG BH12 - 02.08.17

		PROJECT DETAILS	
Project:			c - Skerries
Location:			, Skerries, County Dublin
Sampler(s):		Andrena Meeg	gan & Pablo Rigual
Date:		02/	/08/2017
		GAS WELL DETAILS	
Well No.:	BH12	Grid Reference:	E323277.383 N260820.656
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.5
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.49
Elevation (Tophat Cover or Manhole Cover):	19.35	Water Column or Head (m)	6.99
Elevation (Top of Casing):	19.18	Water Volume (L):	13.98
	\searrow	Water Level(m AOD):	13.68
		वारि वार	
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		iton purpo dire	41.94 pended solids. Water colour cleared with purging)
Colour:	Light Brov	vn (Moderate tarbidity due to sus	pended solids. Water colour cleared with purging)
Odour:		r illight	None
Sheen or Product Film:		FOODY	None
Emulsified Product:		Foods.	None
Comments:	Cont	Matter Environment of the Contract of the Cont	ALLEST DO SALESTED TO SALESTED



GROUND WATER WELL FIELD MONITORING LOG BH13 - 02.08.17

		PROJECT DETAILS			
Project:			ıc - Skerries		
Location:			, Skerries, County Dublin		
Sampler(s):			gan & Pablo Rigual		
Date:			/08/2017		
		GAS WELL DETAILS			
Well No.:	BH13	Grid Reference:	E323266.339 N260856.122		
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0		
Diameter (mm):	50	Water Level(m bTOC):	3.6		
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0		
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.72		
Elevation (Tophat Cover or Manhole Cover):	16.32	Water Column or Head (m)	7.12		
Elevation (Top of Casing):	16.22	Water Volume (L):	14.24		
	><	Water Level(m AOD):	12.62		
		THE P OPERAL WOOD OF			
Decree Welesse (I) (2 and II		FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes):		THEE OBSERVATIONS	42.72		
Colour:		Brown (High turbidit	ty due to suspended solids)		
Odour:			None		
Sheen or Product Film:		None			
Emulsified Product:		201/116	None		
Comments:	Conset				



GROUND WATER WELL FIELD MONITORING LOG BH1 - 15.11.17

		PROJECT DETAILS				
Project:		Winsa	c - Skerries			
Location:			, Skerries, County Dublin			
Sampler(s):			abe & Dylan Potter			
Date:		15/	/11/2017			
	CR	OUNDWATER WELL DETA	пѕ			
Well No.:	BH1	Grid Reference:		0811.8		
Downgradient (D) or Upgradient (U)	D					
Diameter (mm):	50	Water Level(m bTOC):	10.54			
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0			
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	17.95			
Elevation (Tophat Cover or Manhole Cover):	25.43	Water Column or Head (m)	7.41			
Elevation (Top of Casing):	25.06	Water Volume (L):	14.82			
	> <	Water Level(m AOD):	14.52			
		FIELD OBSERVATIONS				
Purge Volume (L) (3 well volumes at time of sampling):		citor purpor required	44.46			
Colour:		Brown (High turbidity due to suspended solids)				
Odour:			ted during purging			
Sheen or Product Film:			None			
Emulsified Product:		not c	None			
Comments:						



GROUND WATER WELL FIELD MONITORING LOG BH2 - 15.11.17

		PROJECT DETAILS			
Project:			c - Skerries		
Location:			, Skerries, County Dublin		
Sampler(s):			abe & Dylan Potter		
Date:		15/	/11/2017		
			TT G		
Well No.:	BH2	ROUNDWATER WELL DETA Grid Reference:	E323121.42	N260847.85	
Downgradient (D) or Upgradient (U)	D Oil Level (m bTOC): 0				
Diameter (mm):	50	Water Level(m bTOC):	10.	.31	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	()	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	13.	.57	
Elevation (Tophat Cover or Manhole Cover):	25.6	25.6 Water Column or Head (m) 3.26			
Elevation (Top of Casing):	25.28 Water Volume (L): 6.52				
	$>\!\!<$	Water Level(m AOD):	14.	.97	
		Oly dir,			
.		FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):		action pure requir	19.56		
Colour:		Brown (High turbidit	y due to suspended solids)		
Odour:			None		
Sheen or Product Film:			None		
Emulsified Product:		40,	None		
Comments:					



GROUND WATER WELL FIELD MONITORING LOG BH3 - 15.11.18

		PROJECT DETAILS		
Project:	Winsac - Skerries			
Location:			, Skerries, County Dublin	
Sampler(s):			abe & Dylan Potter	
Date:		15/	/11/2017	
	CD	OUNDWATER WELL DETA	не	
Well No.:	внз	Grid Reference:	E323180.78 N260844.73	
Downgradient (D) or Upgradient (U)	D Oil Level (m bTOC):			
Diameter (mm):	50	Water Level(m bTOC):	7.83	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	13.2	
Elevation (Tophat Cover or Manhole Cover):	23.13	Water Column or Head (m)	5.37	
Elevation (Top of Casing):	22.73	Water Volume (L):	10.74	
	> <	Water Level(m AOD):	14.9	
		जारि वारी		
Decree Valence (I)		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of		THE CHILD	32.22	
sampling):		ion exica	32.22	
Colour:		Brown (High turbidit	y due to suspended solids)	
Odour:	None			
Sheen or Product Film:	A couple of sheen droplets observed			
Emulsified Product:	None			
Comments:				



GROUND WATER WELL FIELD MONITORING LOG BH4 - 15.11.17

		PROJECT DETAILS	
Project:		Winsac	c - Skerries
Location:		<u> </u>	Skerries, County Dublin
Sampler(s):			abe & Dylan Potter
Date:		15/	11/2017
	C	DALINDWATED WELL DETAI	пс
Well No.:	BH4	ROUNDWATER WELL DETA	E323230.77 N260838.7
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	4.98
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.71
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	5.73
Elevation (Top of Casing):	18.97	Water Volume (L):	11.46
	> <	Water Level(m AOD):	13.99
			gitt .
Purge Volume (L)		FIELD OBSERVATIONS	
(3 well volumes at time of		See ato	34.38
sampling):	nut direction 34.36		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	Gas odour noted during purging		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:	More	Partie of the state of the stat	Made and a second



GROUND WATER WELL FIELD MONITORING LOG BH8 - 15.11.17

		PROJECT DETAILS		
Project:			c - Skerries	
Location:			, Skerries, County Dublin	
Sampler(s):			abe & Dylan Potter	
Date:		15/	/11/2017	
		CAS WELL DETAILS		
Well No.:	GAS WELL DETAILS BH8 Grid Reference: E323215.389 N260853.182			
Downgradient (D) or Upgradient (U)	D Oil Level (m bTOC):			
Diameter (mm):	50	50 Water Level(m bTOC): 4.37		
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	8.62	
Elevation (Tophat Cover or Manhole Cover):	18.79 Water Column or Head (m) 4.25		4.25	
Elevation (Top of Casing):	18.51 Water Volume (L): 8.5			
	$>\!\!<$	Water Level(m AOD):	14.14	
		FIELD OBSERVATIONS		
Purge Volume (L)		FIELD OBSERVATIONS		
(3 well volumes at time of sampling):		ation purpleditit	25.50	
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None			
Sheen or Product Film:	None			
Emulsified Product:	None			
Comments:	201			



GROUND WATER WELL FIELD MONITORING LOG BH9 - 15.11.17

		PROJECT DETAILS		
Project:			c - Skerries	
Location:			Skerries, County Dublin	
Sampler(s):			be & Dylan Potter	
Date:		15/	11/2017	
Well No.:	ВН9	GAS WELL DETAILS Grid Reference:	E323228.607 N260846.34	
Downgradient (D) or Upgradient (U)	D Oil Level (m bTOC): 0			
Diameter (mm):	50	Water Level(m bTOC):	4.78	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.23	
Elevation (Tophat Cover or Manhole Cover):	19.1 Water Column or Head (m) 5.45		5.45	
Elevation (Top of Casing):	18.82 Water Volume (L): 10.9			
	Water Level(m AOD): 14.04			
		EIEI D'ODGEDM'S EIGHG		
Purge Volume (L)		FIELD OBSERVATIONS		
(3 well volumes at time of	guild guilt 32.70			
sampling):	ition of its			
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None			
Sheen or Product Film:	None			
Emulsified Product:	None			
Comments:	Cons	PARSO EN LA SECTION DE LA SECT	Accept the second secon	



GROUND WATER WELL FIELD MONITORING LOG BH10 - 15.11.17

	PROJECT DETAILS			
Project:			ac - Skerries	
Location:		Barnageeragh Cove	e, Skerries, County Dublin	
Sampler(s):		Patrick McC	Cabe & Dylan Potter	
Date:		15	5/11/2017	
		GAS WELL DETAILS		
Well No.:	BH10	Grid Reference:	E323242 N260840	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	4.96	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.03	
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	7.07	
Elevation (Top of Casing):	18.92	Water Volume (L):	14.14	
	> <	Water Level(m AOD):	14.14	
		only air		
		FIELD OBSERVATIONS		
Purge Volume (L)		authanite	40.40	
(3 well volumes at time of		: On ox reex	42.42	
sampling): Colour:		Bolyn (High turbidi	ity due to suspended solids)	
Odour:	Brown (High turbidity due to suspended solids) None			
Sheen or Product Film:	None			
Emulsified Product:		- £00¥		
Comments:	None None			



GROUND WATER WELL FIELD MONITORING LOG BH11 - 15.11.17

		PROJECT DETAILS	
Project:		Winsac	c - Skerries
Location:			Skerries, County Dublin
Sampler(s):			be & Dylan Potter
Date:		15/	11/2017
		GAS WELL DETAILS	
Well No.:	BH11	Grid Reference:	E323260.328 N260825.224
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.31
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.38
Elevation (Tophat Cover or Manhole Cover):	19.47	Water Column or Head (m)	7.07
Elevation (Top of Casing):	19.22	Water Volume (L):	يع. 14.14
	$>\!\!<$	Water Level(m AOD):	13.91
		X.	ofti
		FIELD OBSERVATIONS	(all)
Purge Volume (L)		es XP	10.40
(3 well volumes at time of		purposes diff	12.42
sampling): Colour:		Water relatively lear (cmall a	mount of suspended solids within)
Odour:	Water relative to clear (small amount of suspended solids within) None		
Sheen or Product Film:	None		
Emulsified Product:			
	None		



GROUND WATER WELL FIELD MONITORING LOG BH12 - 15.11.17

		PROJECT DETAILS	
Project:			c - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			abe & Dylan Potter
Date:		15/	/11/2017
		GAS WELL DETAILS	
Well No.:	BH12 Grid Reference: E323277.383 N260820.656		
Downgradient (D) or Upgradient (U)	D Oil Level (m bTOC): 0		
Diameter (mm):	50 Water Level(m bTOC): 5.24		5.24
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.53
Elevation (Tophat Cover or Manhole Cover):	19.35 Water Column or Head (m) 7.29		7.29
Elevation (Top of Casing):	19.18 Water Volume (L): 14.58		14.58
	$>\!\!<$	Water Level(m AOD):	13.94
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling): Colour:	Water elatively clear (small amount of suspended solids within)		
Odour:	None None		
Sheen or Product Film: Emulsified Product:	None		
Comments:	None Control of the state of t		



GROUND WATER WELL FIELD MONITORING LOG BH13 - 15.11.17

		PROJECT DETAILS		
Project:			ac - Skerries	
Location:			e, Skerries, County Dublin	
Sampler(s):			abe & Dylan Potter	
Date:		15	/11/2017	
		GAS WELL DETAILS		
Well No.:	BH13	Grid Reference:	E323266.339 N260856.122	
Downgradient (D) or Upgradient				
(U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	2.34	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.56	
Elevation (Tophat Cover or Manhole Cover):	16.32	Water Column or Head (m)	8.22	
Elevation (Top of Casing):	16.22	Water Volume (L):	16.44	
	> <	Water Level(m AOD):	13.88	
		EIELD ODGEDA KERKOTG	,	
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):	ital per require 49.32			
Colour:		Brown (High turbidity due to suspended solids)		
Odour:		None None		
Sheen or Product Film:		100	None	
Emulsified Product:	in the	A CONTRACTOR OF THE CONTRACTOR	None	
Comments:				



GROUND WATER WELL FIELD MONITORING LOG BH14 - 15.11.17

		PROJECT DETAILS		
Project:		Winsa	c - Skerries	_
Location:		Barnageeragh Cove	, Skerries, County Dublin	
Sampler(s):		Patrick McC	abe & Dylan Potter	
Date:		15/	/11/2017	
		GAS WELL DETAILS	T	
Well No.:	BH14	Grid Reference:	E323265.36	N260898.65
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	()
Diameter (mm):	50	Water Level(m bTOC):	2.7	72
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	()
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	14.	95
Elevation (Tophat Cover or Manhole Cover):	15.89	Water Column or Head (m)	12.	23
Elevation (Top of Casing):	15.56	Water Volume (L):	24.	46
	$>\!\!<$	Water Level(m AOD):	Ott 12.	.84
		Olly di.	, 	
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):	rich gertegüit 73.38			
Colour:		Brown (High turbidity due to suspended solids)		
Odour:			None	
Sheen or Product Film:			None	
Emulsified Product:		None		
Comments:	Confe			



GROUND WATER WELL FIELD MONITORING LOG BH1 - 23.05.18

		PROJECT DETAILS	
Project:			c - Skerries
Location:			Skerries, County Dublin
Sampler(s):			an Potter & Patrick McCabe
Date:		23/	05/2018
	CD	OUNDWATER WELL DETA	II S
Well No.:	BH1	Grid Reference:	E323179.2 N260811.8
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	10.44
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	17.6
Elevation (Tophat Cover or Manhole Cover):	25.43	Water Column or Head (m)	7.16
Elevation (Top of Casing):	25.06	Water Volume (L):	14.32
	$>\!\!<$	Water Level(m AOD):	14.62
		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):	THEED OBSERVATIONS 42.96		
Colour:		Brown High turbidit	y due to suspended solids)
Odour:	. _{tt} . None		
Sheen or Product Film:			None
Emulsified Product:		Leoft,	None
Comments:	MILANY ERV MA-SHIP 2 2 MINA MATER WATER		



GROUND WATER WELL FIELD MONITORING LOG BH2 - 23.05.18

		PROJECT DETAILS		
Project:		Winsa	ac - Skerries	
Location:			e, Skerries, County Dublin	
Sampler(s):			ylan Potter & Patrick McCabe	2
Date:		23	3/05/2018	
	Cl	ROUNDWATER WELL DETA	ATT C	
Well No.:	BH2	Grid Reference:	E323121.42	N260847.85
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	C	
Diameter (mm):	50	Water Level(m bTOC):	10	.1
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	C)
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	13.	47
Elevation (Tophat Cover or Manhole Cover):	25.6	Water Column or Head (m)	3.3	37
Elevation (Top of Casing):	25.28	Water Volume (L):	6.7	74
	\geq	Water Level(m AOD):	15.	18
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):		ection purpodification	20.22	
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None None			
Sheen or Product Film:	None			
Emulsified Product:		0,	None	
Comments:	Cons	MULEOY ENV. WORTER WATER LUBGING	MULROY EN WA-PHI-A 24 WATER WITH SECTION OF THE SEC	105/18



GROUND WATER WELL FIELD MONITORING LOG BH3 - 23.05.18

		PROJECT DETAILS	
Project:			ac - Skerries
Location:			e, Skerries, County Dublin
Sampler(s):			ylan Potter & Patrick McCabe
Date:		23	3/05/2018
	GI	ROUNDWATER WELL DETA	ATI S
Well No.:	внз	Grid Reference:	E323180.78 N260844.73
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	7.535
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.425
Elevation (Tophat Cover or Manhole Cover):	23.13	Water Column or Head (m)	4.89
Elevation (Top of Casing):	22.73	Water Volume (L):	9.78
	> <	Water Level(m AOD):	15.195
		EIEI D'ODGEDAT PARCES	
Down Valore (I)		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		on Purpostified	29.34
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None None		
Sheen or Product Film:		COL Miles	None
Emulsified Product:		Coly	None
Comments:	Consent	MALROY ENV. MA. SHEET SLAVOSIDE MITER WINSE LIROY BH7 MITER	Mulroy EN WATER NATURE OF THE STATE OF THE S



GROUND WATER WELL FIELD MONITORING LOG BH4 - 23.05.18

		PROJECT DETAILS		
Project:			ac - Skerries	
Location:			e, Skerries, County Dublin	
Sampler(s):			ylan Potter & Patrick McCabe	
Date:		23	3/05/2018	
	CD	OUNDWATED WELL DET	ATT C	
Well No.:	BH4	Grid Reference:	E323230.77 N260838.7	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	4.87	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.52	
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	5.65	
Elevation (Top of Casing):	18.97	Water Volume (L):	11.3	
	> <	Water Level(m AOD):	14.1	
		THE D ORGENY LINES AND	Otti	
Purge Volume (L)		FIELD OBSERVATIONS)	
(3 well volumes at time of		oses alto	33.90	
sampling):	nug quit			
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None None			
Sheen or Product Film:	None None			
Emulsified Product:		L. A.	None	
Comments:	MILROY ENK MA-BHG-0 SUPSIDE WA-BHG-0 WA-BHG-0 WATER WATER LROY Comment of the comment of			



GROUND WATER WELL FIELD MONITORING LOG BH8 - 23.05.18

		PROJECT DETAILS	
Project:			c - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			lan Potter & Patrick McCabe
Date:		23/	/05/2018
		GAS WELL DETAILS	
Well No.:	вн8	Grid Reference:	E323215.389 N260853.182
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	4.19
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	8.84
Elevation (Tophat Cover or Manhole Cover):	18.79	Water Column or Head (m)	4.65
Elevation (Top of Casing):	18.51	Water Volume (L):	9.3
	$\geq \leq$	Water Level(m AOD):	14.32
		Olly di	
Prove Valore (I)		FIELD OBSERVATIONS	
Purge Volume (L) (3 well volumes at time of sampling):		tion pure tenun	27.90
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:		of Co.	None
Comments:		WATER WENSAL WA	LROY EN THE TOTAL ATER ATER



GROUND WATER WELL FIELD MONITORING LOG BH9 - 23.05.18

		PROJECT DETAILS	
Project:		Winsa	nc - Skerries
Location:	<u> </u>		e, Skerries, County Dublin
Sampler(s):			ylan Potter & Patrick McCabe
Date:		23.	/05/2018
		GAS WELL DETAILS	
Well No.:	ВН9	Grid Reference:	E323228.607 N260846.34
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	4.71
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	9.68
Elevation (Tophat Cover or Manhole Cover):	19.1	Water Column or Head (m)	4.97
Elevation (Top of Casing):	18.82	Water Volume (L):	9.94
	> <	Water Level(m AOD):	14.11
		EIELD ODGEDY COLONIC	•
Purge Volume (L)		FIELD OBSERVATIONS	
(3 well volumes at time of sampling):		ition of reduit	29.82
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:		- of contraction	None
Comments:		Murey BAN. WA-82- 2465/8 WATER WIMAN WATER WIMAN WA-BHY WA-BHY WA-BHY WA-TER	MUROY EI WA-BH4-01 WAYER WA-BH4-01 WAYER



GROUND WATER WELL FIELD MONITORING LOG BH10 - 23.05.18

		PROJECT DETAILS	1	
Project:		Wins	ac - Skerries	
Location:		Barnageeragh Cove	e, Skerries, County Dublin	
Sampler(s):		Andrena Meegan & D	ylan Potter & Patrick McCabe	
Date:		23	3/05/2018	
		GAS WELL DETAILS		
Well No.:	BH10	Grid Reference:	E323242 N260840	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	4.87	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	11.725	
Elevation (Tophat Cover or Manhole Cover):	19.28	Water Column or Head (m)	6.855	
Elevation (Top of Casing):	18.92	Water Volume (L):	13.71	
	> <	Water Level(m AOD):	13.71	
		ारि यो	· · · · · · · · · · · · · · · · · · ·	
		FIELD OBSERVATIONS		
Purge Volume (L)		auryouine	41.12	
(3 well volumes at time of		ion of read	41.13	
sampling): Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None			
Sheen or Product Film:	None			
Emulsified Product:			None	
Comments:	Cons	MULROY EN WA-BH 10-1 WATER WATER		



GROUND WATER WELL FIELD MONITORING LOG BH11 - 23.05.18

PROJECT DETAILS			
Project:		Winsac	c - Skerries
Location:			Skerries, County Dublin
Sampler(s):			lan Potter & Patrick McCabe
Date:		23/	05/2018
Well No.:	BH11	GAS WELL DETAILS Grid Reference:	E323260.328 N260825.224
Downgradient (D) or Upgradient	ВНП		E323200.328 N200823.224
(U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.2
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.15
Elevation (Tophat Cover or Manhole Cover):	19.47	Water Column or Head (m)	6.95
Elevation (Top of Casing):	19.22	Water Volume (L):	ريق. 13.9
	> <	Water Level(m AOD):	14.02
			· st oftr
		FIELD OBSERVATIONS	all
Purge Volume (L)		es die	41.70
(3 well volumes at time of		outposes of ?	41.70
sampling): Colour:	Brown High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:			
Comments:	None None		



GROUND WATER WELL FIELD MONITORING LOG BH12 - 23.05.18

PROJECT DETAILS			
Project:			c - Skerries
Location:			, Skerries, County Dublin
Sampler(s):			lan Potter & Patrick McCabe
Date:		23/	/05/2018
		GAS WELL DETAILS	
Well No.:	BH12	Grid Reference:	E323277.383 N260820.656
Downgradient (D) or Upgradient			
(U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	5.17
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	12.285
Elevation (Tophat Cover or Manhole Cover):	19.35	Water Column or Head (m)	7.115
Elevation (Top of Casing):	19.18	Water Volume (L):	14.23
	$>\!\!<$	Water Level(m AOD):	14.01
		EIEI D OBGEDA A BANK	pd
Purge Volume (L)		FIELD OBSERVATIONS	
(3 well volumes at time of sampling):	n purpostified 42.69		
Colour:	Water relatively clear (small amount of suspended solids within)		
Odour:	None		
Sheen or Product Film:			None
Emulsified Product:		- Keopy	None
Comments:		MALROY EM MA-BHA-O 24/05/18** WATER WINSAC Chemtest	MULEON ENI WENING A LANGE WENING A LANGE AND A LANGE WATER LANGE A LAN



GROUND WATER WELL FIELD MONITORING LOG BH13 - 23.05.18

		PROJECT DETAILS		
Project:			c - Skerries	
Location:			Skerries, County Dublin	
Sampler(s):			lan Potter & Patrick McCabe	
Date:		23/	05/2018	
		CAC WELL DETAILS		
Well No.:	BH13	GAS WELL DETAILS Grid Reference:	E323266.339 N260856.122	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	2.19	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.2	
Elevation (Tophat Cover or Manhole Cover):	16.32	Water Column or Head (m)	8.01	
Elevation (Top of Casing):	16.22	Water Volume (L):	, 16.02	
	$>\!\!<$	Water Level(m AOD):	14.03	
		FIELD OBSERVATIONS	· /n	
Purge Volume (L)				
(3 well volumes at time of sampling):	As.06			
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None			
Sheen or Product Film:		<u> </u>	None	
Emulsified Product:			None	
Comments:		W	MULROY BI A-BHI3-1 ATER MILROY BE LEVELY	



GROUND WATER WELL FIELD MONITORING LOG BH14 - 23.05.18

	PROJECT DETAILS			
Project:			c - Skerries	
Location:			Skerries, County Dublin	
Sampler(s):			lan Potter & Patrick McCabe	
Date:		23/	05/2018	
		GAS WELL DETAILS		
Well No.:	BH14	Grid Reference:	E323265.36 N260898.65	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	2.89	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	14.68	
Elevation (Tophat Cover or Manhole Cover):	15.89	Water Column or Head (m)	11.79	
Elevation (Top of Casing):	15.56	Water Volume (L):	23.58	
	> <	Water Level(m AOD):	12.67	
		77.	gd [*]	
		FIELD OBSERVATIONS	,	
Purge Volume (L) (3 well volumes at time of sampling):	n Hirtogited 70.74			
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	Sulphate odour noted during purging			
Sheen or Product Film:				
Emulsified Product:	None None			
Comments:	MALROY ENIL WA-BHILLI WATER WINSAL WATER WINSAL WATER WINSAL WATER WINSAL WATER WINSAL WATER WINSAL WATER			



GROUND WATER WELL FIELD MONITORING LOG BH15 - 23.05.18

		PROJECT DETAILS		
Project:		Winsa	c - Skerries	
Location:		Barnageeragh Cove	, Skerries, County Dublin	
Sampler(s):		Andrena Meegan & Dy	lan Potter & Patrick McCabe	
Date:		23/	/05/2018	
		GAS WELL DETAILS		
Well No.:	BH15	Grid Reference:	E323290.92 N260834.55	
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	2.46	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	9.91	
Elevation (Tophat Cover or Manhole Cover):	16.73	Water Column or Head (m)	7.45	
Elevation (Top of Casing):	16.4	Water Volume (L):	14.9	
	\bigvee	Water Level(m AOD):	13.94	
		ुर्गार्थ था		
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):	stell get require 44.70			
Colour:	Water elatively clear (small amount of suspended solids within)			
Odour:	None			
Sheen or Product Film:			None	
Emulsified Product:		, di	None	
Comments:	Control	MILROY ENV. MAENISON ZANSARI WATER WINSARI SCHEMESS	MULROY EN MARKE SHIS-01 NATER SHIS-01 NATER SHIS-01 NATER SHIS-01 NATER SHIS-01 NATER SHIP SHIP SHIP SHIP SHIP SHIP SHIP SHIP	



GROUND WATER WELL FIELD MONITORING LOG BH16 - 23.05.18

		PROJECT DETAILS	The state of the s	
Project:			c - Skerries	
Location:			, Skerries, County Dublin	
Sampler(s):			lan Potter & Patrick McCabe	
Date:		23/	05/2018	
		CAGNINA PERM		
Well No.:	BH16	GAS WELL DETAILS Grid Reference:	E323308.21 N260870.60	
Downgradient (D) or Upgradient				
(U)	D	Oil Level (m bTOC):	0	
Diameter (mm):	50	Water Level(m bTOC):	2.95	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	9.71	
Elevation (Tophat Cover or Manhole Cover):	16.2	Water Column or Head (m)	6.76	
Elevation (Top of Casing):	15.925	Water Volume (L):	13.52	
	\bigvee	Water Level(m AOD):	12.975	
			to the	
		FIELD OBSERVATIONS		
Purge Volume (L) (3 well volumes at time of sampling):	40.56			
Colour:	Brown (High turbidity due to suspended solids)			
Odour:	None None			
Sheen or Product Film: Emulsified Product:		<u> </u>	None None	
Emuisified Product:		a cox	None	
Comments:	WA-BI	LROY EN. LIGOY EN. ENV. WINSE Chemiest 24/6/18	MULROY WA-8HI WATER IT ON THE COLORS	



GROUND WATER WELL FIELD MONITORING LOG BH17 - 23.05.18

PROJECT DETAILS					
Project:			c - Skerries		
Location:			Skerries, County Dublin		
Sampler(s):			lan Potter & Patrick McCabe	e	
Date:		23/	05/2018		
GAS WELL DETAILS Well No.: BH17 Grid Reference: E323268.25 N260803.38					
Downgradient (D) or Upgradient					
(U)	D	Oil Level (m bTOC):	0		
Diameter (mm):	50 Water Level(m bTOC):		5.4	41	
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	()	
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	10.	145	
Elevation (Tophat Cover or Manhole Cover):	19.68 Water Column or Head (m)		4.7	35	
Elevation (Top of Casing):	19.43	Water Volume (L):	, 15 ⁶ . 9.	47	
	> <	Water Level(m AOD):	the 14.	.02	
		<i>3</i> 7.4	ay		
		FIELD OBSERVATIONS	'		
Purge Volume (L) (3 well volumes at time of sampling):		20°00	28.41		
Colour:		Water relatively clear (small a	mount of suspended solids v	vithin)	
Odour:		30 4	None	,	
Sheen or Product Film:		GOT ITIEST	None		
Emulsified Product:		COBY	None		
Comments:	WA BY	MAL ROY EN WATER MATERIAL MATE	MU MASURE WA WA WATER MATER	MULROY ATER	



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SURFACE WATER FIELD SAMPLING LOG SW1 - 11.01.18

	PRO	OJECT DETAILS	I			
Project:	Winsac Skerries - Environmental Impact Assessment					
Location:	Barnegeeragh Cove, Skerries, Co. Dublin					
Sampler(s):	Patrick McCabe & Dylan Potter					
Date:	11/01/2018					
	MONITORING POINT DETAILS					
Monitoring Point No.:	SW1	Grid Reference:	(E) 323291.146 (N) 206682.917			
	PHYSICO-C	HEMICAL PARAMETERS				
рН:	8.4					
Electrical Conductivity (μs):	670					
Temperature (°C):	10°C					
Dissolved Oxygen (mg/l)	8.2					
• • • • • • • • • • • • • • • • • • • •						
	FIEL	D OBSERVATIONS				
Colour:		Clear				
Odour:		None				
Sheen or Product Film:		None				
Emulsified Product:	None					



SURFACE WATER FIELD SAMPLING LOG SW2 - 11.01.18

	PRO	DJECT DETAILS	1
Project:	Winsac Skerries - Environmental Impact Assessment		
Location:	Barnegeeragh Cove, Skerries, Co. Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	11/01/2018		
	MONITOI	RING POINT DETAILS	T
Monitoring Point No.:	SW2 Grid Reference: (E) 323314.508 (N) 260888.876		
	Corentaco		
		O-CHEMICAL PARAMETERS	
pH:	8.3		
Electrical Conductivity (μs):	680		
Temperature (°C):	10°C		
Dissolved Oxygen (mg/l)	8.2		
C-1	FIELI	OBSERVATIONS	
Colour: Odour:		Clear None	
Sheen or Product Film:		None	
Emulsified Product:	None		



SURFACE WATER FIELD SAMPLING LOG SW3 - 11.01.18

	PRO	DJECT DETAILS	
Project:	Winsac Skerries - Environmental Impact Assessment		
Location:	Barnegeeragh Cove, Skerries, Co. Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	11/01/2018		
	MONITO	RING POINT DETAILS	
Monitoring Point No.:	SW3	Grid Reference:	(E) 323226.008 (N) 260920.826
	Contraction	Standard and the last of the l	
	PHYSICO-CI	HEMICAL PARAMETERS	
рН:	8.1		
Electrical Conductivity (μs):	640		
Temperature (°C):	10°C		
Dissolved Oxygen (mg/l)	8.2		
	FIELI	OOBSERVATIONS	
Colour:		Clear	
Odour:		None	
Sheen or Product Film:		None	
Emulsified Product:		None	



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SURFACE WATER FIELD SAMPLING LOG

	PRO	JECT DETAILS				
Project:	Wir	nsac Skerries - Environmental Impact	Assessment			
Location:	Barnegeeragh Cove, Skerries, Co. Dublin					
Sampler(s):		Dylan Potter				
Date:		18/06/2018				
·						
	MONITORING POINT DETAILS					
Monitoring Point No.:	SW1	Grid Reference:	(E) 323291.146 (N) 206682.917			
	ENV. WS	MULROY EN MORE ENV. ME				
	South of condition	SCHOOL SWA				
	For ingle	Sadion Fee				
	For ingle	Stoy !				
nH.	PHYSICO-CH	Sadion Fee				
pH:	For ingle	Sadion Fee				
-	PHYSICO-CH 8.1	Sadion Fee				
pH: Electrical Conductivity (μs):	PHYSICO-CH	Sadion Fee				
-	PHYSICO-CH 8.1	Sadion Fee				
Electrical Conductivity (μs): Temperature (°C):	PHYSICO-CH 8.1	Sadion Fee				
Electrical Conductivity (μs):	PHYSICO-CH 8.1 700 10°C	Sadion Fee				
Electrical Conductivity (μs): Temperature (°C):	PHYSICO-CH 8.1 700 10°C 8.3	Sadion Fee				
Electrical Conductivity (μs): Temperature (°C):	PHYSICO-CH 8.1 700 10°C 8.3	TEMICAL PARAMETERS				
Electrical Conductivity (μs): Temperature (°C): Dissolved Oxygen (mg/l)	PHYSICO-CH 8.1 700 10°C 8.3	TEMICAL PARAMETERS OBSERVATIONS				
Electrical Conductivity (µs): Temperature (°C): Dissolved Oxygen (mg/l) Colour:	PHYSICO-CH 8.1 700 10°C 8.3	DOBSERVATIONS Clear				



SURFACE WATER FIELD SAMPLING LOG

	PRO	OJECT DETAILS	
Project:		insac Skerries - Environmental Impact	Assessment
Location:	Barnegeeragh Cove, Skerries, Co. Dublin		
Sampler(s):		Dylan Potter	
Date:		18/06/2018	
	MONITO	RING POINT DETAILS	
Monitoring Point No.:	SW4	Grid Reference:	(E) 322995 (N) 260544
	CHARDY BALLANDER WAS A SERVICE OF THE SERVICE OF TH	TO ENV WE ISMAN CARPAGE CARPAG	
	DIIVSICO C	HEMICAL DADAMETEDS	
	1113100-0	HEMICAL PARAMETERS	
рН:	8.2		
Electrical Conductivity (μs):	690		
Temperature (°C):	10°C		
i diiparatura (C).			
Dissolved Oxygen (mg/l)	8		
		D ODGEDNIA TIONG	
Dissolved Oxygen (mg/l)		D OBSERVATIONS	
Dissolved Oxygen (mg/l) Colour:		Clear	
Dissolved Oxygen (mg/l)			

