

APPENDIX 10

GROUNDWATER & SURFACE WATER SAMPLING LOGS

GROUNDWATER SAMPLING ROUNDS 1 -3


SURFACEWATER SAMPLING ROUNDS 1-2

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GROUND WATER WELL FIELD MONITORING LOG

BH1 - 27.06.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
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):	42.24		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH2 - 27.06.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH2	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
		Water Level(m AOD):	14.81
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	23.70		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH3 - 27.06.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH3	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):	10.18
		Water Level(m AOD):	14.75
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	30.54		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH4 - 27.06.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	34.32		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH8 - 02.08.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	02/08/2017		
GAS WELL DETAILS			
Well No.:	BH8	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
X X X X X X X X X X		Water Level(m AOD):	13.735
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.55		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG


BH9 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	02/08/2017		
GAS WELL DETAILS			
Well No.:	BH9	Grid Reference:	E323228.607 N260846.34
Downgradient (D) or Upgradient (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
X X X X X X X X X X		Water Level(m AOD):	13.81
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	37.92		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG BH10 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
X X X X X X X X X X		Water Level(m AOD):	13.73
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.19		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH11 - 02.08.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	42.18		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH12 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
 		Water Level(m AOD):	13.68
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.94		
Colour:	Light Brown (Moderate turbidity due to suspended solids. Water colour cleared with purging)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH13 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes):	42.72		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

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
	BH3	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
	BH13	Grid Reference:	E323266.339 N260856.122
	GAS1	Grid Reference:	E323192.15N260854.2
	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:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
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
XXXXXXXXXX		Water Level(m AOD):	14.27
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	42.24		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH2 - 27.06.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH2	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
		Water Level(m AOD):	14.81
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	23.70		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH3 - 27.06.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH3	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):	10.18
		Water Level(m AOD):	14.75
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	30.54		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH4 - 27.06.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	27/06/2017		
GROUNDWATER WELL DETAILS			
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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	34.32		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG


BH8 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	02/08/2017		
GAS WELL DETAILS			
Well No.:	BH8	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
XXXXXXXXXX		Water Level(m AOD):	13.735
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.55		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG BH9 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Pablo Rigual		
Date:	02/08/2017		
GAS WELL DETAILS			
Well No.:	BH9	Grid Reference:	E323228.607 N260846.34
Downgradient (D) or Upgradient (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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	37.92		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH10 - 02.08.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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):	41.19		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG
BH11 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	42.18		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH12 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
XXXXXXXXXX		Water Level(m AOD):	13.68
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.94		
Colour:	Light Brown (Moderate turbidity due to suspended solids. Water colour cleared with purging)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH13 - 02.08.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & 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
XXXXXXXXXX		Water Level(m AOD):	12.62
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes):	42.72		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH1 - 15.11.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GROUNDWATER WELL DETAILS			
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):	10.54
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
X X X X X X X X X X		Water Level(m AOD):	14.52
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	44.46		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	Gas odour noted during purging		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH2 - 15.11.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH2	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):	0
Recharge Prevented (Yes or No):	Yes	Total Depth(m bTOC):	13.57
Elevation (Tophat Cover or Manhole Cover):	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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	19.56		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH3 - 15.11.18


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GROUNDWATER WELL DETAILS			
Well No.:	BH3	Grid Reference:	E323180.78 N260844.73
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	7.83
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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	32.22		
Colour:	Brown (High turbidity 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 - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GROUNDWATER WELL DETAILS			
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):	4.98
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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	34.38		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	Gas odour noted during purging		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH8 - 15.11.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GAS WELL DETAILS			
Well No.:	BH8	Grid Reference:	E323215.389 N260853.182
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	4.37
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
Elevation (Top of Casing):	18.51	Water Volume (L):	8.5
XXXXXXXXXX		Water Level(m AOD):	14.14
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	25.50		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH9 - 15.11.17



PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
GAS WELL DETAILS			
Well No.:	BH9	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
Elevation (Top of Casing):	18.82	Water Volume (L):	10.9
✂		Water Level(m AOD):	14.04
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	32.70		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG


BH11 - 15.11.17

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & 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):	14.14
		Water Level(m AOD):	13.91
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	42.42		
Colour:	Water relatively clear (small amount of suspended solids within)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH14 - 15.11.17


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Patrick McCabe & Dylan Potter		
Date:	15/11/2017		
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):	2.72
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
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):	12.84
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	73.38		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH1 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GROUNDWATER WELL DETAILS			
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
X X X X		Water Level(m AOD):	14.62
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	42.96		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH2 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GROUNDWATER WELL DETAILS			
Well No.:	BH2	Grid Reference:	E323121.42 N260847.85
Downgradient (D) or Upgradient (U)	D	Oil Level (m bTOC):	0
Diameter (mm):	50	Water Level(m bTOC):	10.1
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
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)	3.37
Elevation (Top of Casing):	25.28	Water Volume (L):	6.74
		Water Level(m AOD):	15.18
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	20.22		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH3 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GROUNDWATER WELL DETAILS			
Well No.:	BH3	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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	29.34		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH4 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GROUNDWATER WELL DETAILS			
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
XXXXXXXXXX		Water Level(m AOD):	14.1
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	33.90		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH8 - 23.05.18


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GAS WELL DETAILS			
Well No.:	BH8	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
XXXXXXXXXX		Water Level(m AOD):	14.32
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	27.90		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG


BH9 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GAS WELL DETAILS			
Well No.:	BH9	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
X X X X X X X X X X		Water Level(m AOD):	14.11
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	29.82		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH10 - 23.05.18


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.13		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH11 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meehan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
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):	5.2
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):	13.9
		Water Level(m AOD):	14.02
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	41.70		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


GROUND WATER WELL FIELD MONITORING LOG

BH13 - 23.05.18


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
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):	2.19
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
X X X X		Water Level(m AOD):	14.03
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	48.06		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH14 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan 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
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	70.74		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	Sulphate odour noted during purging		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG BH15 - 23.05.18


PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan 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
XXXXXXXXXX		Water Level(m AOD):	13.94
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	44.70		
Colour:	Water relatively clear (small amount of suspended solids within)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

GROUND WATER WELL FIELD MONITORING LOG

BH16 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
Date:	23/05/2018		
GAS WELL DETAILS			
Well No.:	BH16	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
		Water Level(m AOD):	12.975
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	40.56		
Colour:	Brown (High turbidity due to suspended solids)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			


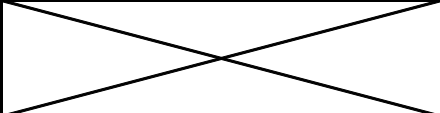
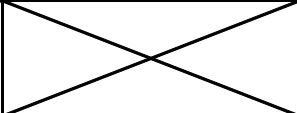

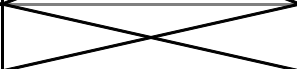



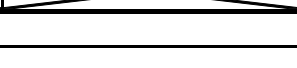
GROUND WATER WELL FIELD MONITORING LOG BH17 - 23.05.18

PROJECT DETAILS			
Project:	Winsac - Skerries		
Location:	Barnageeragh Cove, Skerries, County Dublin		
Sampler(s):	Andrena Meegan & Dylan Potter & Patrick McCabe		
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):	5.41
Well Head Protection (Tophat or Manhole):	Tophat	Product Thickness (mm):	0
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)	4.735
Elevation (Top of Casing):	19.43	Water Volume (L):	9.47
		Water Level(m AOD):	14.02
FIELD OBSERVATIONS			
Purge Volume (L) (3 well volumes at time of sampling):	28.41		
Colour:	Water relatively clear (small amount of suspended solids within)		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		
Comments:			

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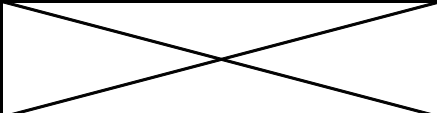

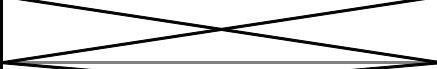
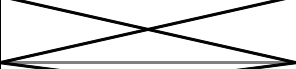




SURFACE WATER FIELD SAMPLING LOG

SW2 - 11.01.18

PROJECT DETAILS			
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.:	SW2	Grid Reference:	(E) 323314.508 (N) 260888.876
			
FIELD PHYSICO-CHEMICAL PARAMETERS			
pH:	8.3		
Electrical Conductivity (µs):	680		
Temperature (°C):	10°C		
Dissolved Oxygen (mg/l)	8.2		
FIELD OBSERVATIONS			
Colour:	Clear		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		


SURFACE WATER FIELD SAMPLING LOG

SW3 - 11.01.18


PROJECT DETAILS			
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.:	SW3	Grid Reference:	(E) 323226.008 (N) 260920.826
			
PHYSICO-CHEMICAL PARAMETERS			
pH:	8.1		
Electrical Conductivity (µs):	640		
Temperature (°C):	10°C		
Dissolved Oxygen (mg/l)	8.2		
FIELD OBSERVATIONS			
Colour:	Clear		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		

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SURFACE WATER FIELD SAMPLING LOG

PROJECT DETAILS			
Project:	Winsac 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
			
PHYSICO-CHEMICAL PARAMETERS			
pH:	8.1	 	
Electrical Conductivity (µs):	700	 	
Temperature (°C):	10°C	 	
Dissolved Oxygen (mg/l)	8.3	 	
FIELD OBSERVATIONS			
Colour:	Clear		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		

SURFACE WATER FIELD SAMPLING LOG

PROJECT DETAILS			
Project:	Winsac Skerries - Environmental Impact Assessment		
Location:	Barnegeeragh Cove, Skerries, Co. Dublin		
Sampler(s):	Dylan Potter		
Date:	18/06/2018		
MONITORING POINT DETAILS			
Monitoring Point No.:	SW4	Grid Reference:	(E) 322995 (N) 260544
			
PHYSICO-CHEMICAL PARAMETERS			
pH:	8.2	X	X
Electrical Conductivity (µs):	690	X	X
Temperature (°C):	10°C	X	X
Dissolved Oxygen (mg/l)	8	X	X
FIELD OBSERVATIONS			
Colour:	Clear		
Odour:	None		
Sheen or Product Film:	None		
Emulsified Product:	None		