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### Site 1

Site 1 – Tier 1 Screening Assessment

Source Assessment	Score Matrix	Score	Rational/Comments
Leachate	1a	0.5	0.8ha C&D (Source: WCC and Atkins)
Gas	1b	0.5	0.8ha C&D (Source: WCC and Atkins)
Leachate Migration Pathway Assessment	Score Matrix	Score	Rational
Vertical Pathway (Aquifer Vulnerability)	2a	2	High
Horizontal Pathway (Groundwater Flow Regime)	2b	2	Lg Locally important sand/gravel aquifers
Surface Water Pathway	2c	2	possible direct linkage - to be mapped
Gas Migration Pathway Assessment	Score Matrix	Score	Rational
Assuming lateral migration (assuming receptor within 250m of source)	2d	3	GLs (graciofluvial sands and gravels). Farm shutding located c.270m from site boundary
Vertical migration (assuming receptor located above source)	2e	on put opined	No receptors located above source
Receptor Assessment	Score Matrix	ON Score	Rational
Residential dwellings with potential for private water supply	3a copyright	1	Nearest domestic dwelling located c.300m from site
Protected Areas	Consent	3	SAC located within 50m
Aquifer	3c	3	Lg Locally important sand/gravel aquifers
Public Water Supplies	3d	0	No public water supplies within 1km of the site (Source: WCC)
Surface Water Bodies	3e	2	County Brook River located c.100m to north of site
Buildings and enclosed spaces used by humans or livestock	3f	0	Farm building located c.270m from site boundary

Site 1 – Tier 1 Risk Classification

	Source	Pathway	Receptor	% Score	Risk Classification
SPR1			(3e) Surface Water body	2	Low
SPR2		(2a,b&c) Groundwater and Surface Water migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	3	Low
SPR3	1		(3a) Private Well	1	Low
SPR4	(1a)	(2a&b) Groundwater	(3b) Protected Area (Groundwater dependent terrestrial ecosystem)	3	Low
SPR5		Migration	(3c) Aquifer	2	Low
SPR6			(3d) Public Water Supply	0	No linkage
SPR7			(3e) Surface Water body	2	Low
SPR8			(3e) Surface Water body	3	Low
SPR9		(2c) Surface Water Migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	5	Low
SPR10	(1b) Landfill	(2d) Lateral migration in subsoil	(3f) Human Presence (Buildings, enclosed spaces)	0	Low
SPR11	Gas	(2e) Vertical Migration ارد) subsoil	enclosed spaces)	0	No linkage

	Risk Classification
High	≥70% for any individual SPR linkage
Moderate	Between 40-70% for any individual SPR linkage
Low	≤40% for any individual SPR linkage

SITE RISK CLASSIFICATION	LOW

### Site 2

Site 2 - Tier 1 Screening Assessment

Source Assessment	Score Matrix	Score	Rational/Comments	
Leachate	1a	7	4.6ha MSW (Source: Muir, WCC and Atkins)	
Gas	1b	7	4.6ha MSW (Source: Muir, WCC and Atkins)	
Leachate Migration Pathway Assessment	Score Matrix	Score	Rational	
Vertical Pathway (Aquifer Vulnerability)	2a	2	High	
Horizontal Pathway (Groundwater Flow Regime)	2b	2	Lg Locally important sand/gravel aquifers	
Surface Water Pathway	<b>2</b> c	2	possible direct linkage - to be mapped	
Gas Migration Pathway Assessment	Score Matrix	Score	Rational	
Assuming lateral migration (assuming receptor within 250m of source)	2d	3	GLs (glacisfluvial sands and gravels). Building located 50m from site boundary	
Vertical migration (assuming receptor located above source)	2e	O PUT	the little will be the source source	
Receptor Assessment	Score Matrix	of its to ore	Rational	
Residential dwellings with potential for private water supply	3a consent of	2	Nearest domestic dwelling located c.70m from site	
Protected Areas	3b	3	SAC located within 50m	
Aquifer	3c	3	Lg Locally important sand/gravel aquifers	
Public Water Supplies	3d	0	No public water supply within 1km of site (Source: WCC)	
Surface Water Bodies	3e	3	County Brook River located c.50 from the site	
Buildings and enclosed spaces used by humans or livestock	3f	5	Building located <50m from site boundary	

Site 2 Tier 1 Risk Classification

	Source	Pathway	Receptor	% Score	Risk Classification
SPR1			(3e) Surface Water body	42	Moderate
SPR2		(2a,b&c) Groundwater and Surface Water migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	42	Moderate
SPR3		. 1	(3a) Private Well	23	Low
SPR4	(1a)	(2a&b) Groundwater	(3b) Protected Area (Groundwater dependent terrestrial ecosystem)	35	Low
SPR5	Leadiate	Migration (3c) Aquifer	21	Low	
SPR6		2	(3d) Public Water Supply	0	No linkage
SPR7			(3e) Surface Water body	35	Low
SPR8	1		(3e) Surface Water body	70	High
SPR9		(2c) Surface Water Migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	70	High
SPR10	(1b) Landfill	(2d) Lateral migration in subsoil	(37) Human Presence (Buildings,	70	High
SPR11	Gas	(2e) Vertical Migration in subsoil	enclosed spaces)	0	No linkage

1.	Risk Classification
High	≥70% forany individual SPR linkage
Moderate	Between 40-70% for any individual SPR linkage
Low	≤40% for any individual SPR linkage

SITE RISK CLASSIFICATION HIGH	SITE RISK CLASSIFICATION	HIGH
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## Site 3A

Site 3A – Tier 1 Screening Assessment

Source Assessment	Score Matrix	Score	Rational/Comments		
Leachate	1a	7	2ha, MSW (source WCC)		
Gas	1b	7	2ha, MSW (source WCC)		
Leachate Migration Pathway Assessment	Score Matrix	Score	Rational		
Vertical Pathway (Aquifer Vulnerability)	2a	2	High		
Horizontal Pathway (Groundwater Flow Regime)	2b	2	Lg Locally important sand/grave aquifers		
Surface Water Pathway	2c	2	possible direct linkage - to be mappe		
Gas Migration Pathway Assessment	Score Matrix	Score	Rational		
Assuming lateral migration (assuming receptor within 250m of source)	2d	3 of or any	GLs (glaciofluvial sands and gravels)		
Vertical migration (assuming receptor located above source)	2e	A purple served to the served	No receptors located above source		
Receptor Assessment	Coore Bantuly	Score Score	Rational		
Residential dwellings with potential for private water supply	Score Mater	2	Nearest domestic dwellings located 175m and 230m from site (source: WCC)		
Protected Areas	3b	3	SAC located within 50m		
Aquifer	3с	3	Lg Locally important sand/gravel aquifers		
Public Water Supplies	3d	0	No public water supplies within 1km		
Surface Water Bodies	3e	2	County Brook River located c.70m to north of site (Source: WCC)		
Buildings and enclosed spaces used by humans or livestock	3f	3	Enniskerry FC located 130m from site boundary		

Site 3A – Tier 1 Risk Classification

	Source	Pathway	Receptor	% Score	Risk Classification
SPR1	- 4, ,	and the second of the second o	(3e) Surface Water body	28	Low
SPR2		(2a,b&c) Groundwater and Surface Water migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	42	Moderate
SPR3			(3a) Private Well	23	Low
SPR4	(1a)	(2a&b) Groundwater	(3b) Protected Area (Groundwater dependent terrestrial ecosystem)	35	Low
SPR5	Leachate	Migration (3c) Aquifer (3d) Public Water Supply	(3c) Aquifer	21	Low
SPR6			0	No linkage	
SPR7			(3e) Surface Water body	23	Low
SPR8			(3e) Surface Water body	47	Moderate
SPR9		(2c) Surface Water Migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)  (36) Human Presence (Buildings,	70	High
SPR10	(1b) Landfill	(2d) Lateral migration in subsoil	(35) Human Presence (Buildings,	42	Moderate
SPR11	Gas	(2e) Vertical Migration in subsoil	enclosed spaces)	0	No linkage

W) 713	Risk Classification
High	≥70% for any individual SPR linkage
Moderate	Between 40-70% for any individual SPR linkage
Low	≤40% for any individual SPR linkage

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SITE RISK CLASSIFICATION	HIGH

## Site 3B

Site 3B - Tier 1 Screening Assessment

Source Assessment	Score Matrix	Score	Rational/Comments	
Leachate	1a	5	0.9ha, MSW (Source WCC, EPA)	
Gas	1b	5	0.9ha, MSW (Source WCC, EPA)	
Leachate Migration Pathway Assessment	Score Matrix	Score	Rational	
Vertical Pathway (Aquifer Vulnerability)	<b>2</b> a	2	High	
Horizontal Pathway (Groundwater Flow Regime)	2b	2	Lg Locally important sand/gravel aquifers	
Surface Water Pathway	2с	0	No direct linkage	
Gas Migration Pathway Assessment	Score Matrix	Score	Rational	
Assuming lateral migration (assuming receptor within 250m of source)	2ď	3 only any	GLs (glaciofluvial sands and gravels)	
Vertical migration (assuming receptor located above source)	2e	R Puttos Score	No receptors located above source	
Receptor Assessment	Score Matrix	Score	Rational	
Residential dwellings with potential for private water supply	Score Matrix of Consenses	2	Nearest domestic dwelling c.100m from site boundary. Farm buildings and Enniskerry FC c.100m from site boundary	
Protected Areas	3b	1	SAC located c.300m	
Aquifer	3с	3	Lg Locally important sand/gravel aquifers	
Public Water Supplies	3d	0	No public water supplies within 1km	
Surface Water Bodies	3e	1	County Brook River located c.350m to north of site. Glencullen River located c.600m	
Buildings and enclosed spaces used by humans or livestock	3f	3	Buildings located c.100m from site boundary	

Site 3B - Tier 1 Risk Classification

	Source	Pathway	Receptor	% Score	Risk Classification
SPR1			(3e) Surface Water body	7	Low
SPR2		(2a,b&c) Groundwater and Surface Water migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	7	Low
SPR3		4.3	(3a) Private Well	17	Low
SPR4	(1a) - Leachate	i (Za&b) Groundwater i	(3b) Protected Area (Groundwater dependent terrestrial ecosystem)	8	Low
SPR5			(3c) Aquifer	15	Low
SPR6			(3d) Public Water Supply	0	No linkage
SPR7			(3e) Surface Water body	8	Low
SPR8			(3e) Surface Water body	0	No linkage
SPR9		(2c) Surface Water Migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	0	No linkage
SPR10	(1b) Landfill	(2d) Lateral migration in subsoil	(20 Hemon Processos / Ruildings	30	Low
SPR11	Gas	(2e) Vertical Migration in subsoil		0	No linkage

	Risk Elassification
High	≥70% for individual SPR linkage
Moderate	Between 40-70% for any individual SPR linkage
Low	≤40% for any individual SPR linkage

SITE RISK CLASSIFICATION	LOW

# Site 3C

Site 3C - Tier 1 Screening Assessment

Source Assessment	Score Matrix	Score	Rational/Comments
Leachate	1a	5	07ha, MSW (Source: WCC)
Gas	1b	5	07ha, MSW (Source: WCC)
Leachate Migration Pathway Assessment	Score Matrix	Score	Rational
Vertical Pathway (Aquifer Vulnerability)	2a	2	High
Horizontal Pathway (Groundwater Flow Regime)	2b	2	Lg Locally important sand/gravel aquifers
Surface Water Pathway	2c	2	possible direct linkage - to be mapped
Gas Migration Pathway Assessment	Score Matrix	Score	Rational ෙ
Assuming lateral migration (assuming receptor within 250m of source)	2d	R Pullose South and	Official Sands and gravels)
Vertical migration (assuming receptor located above source)	2e	Rairouite tot	No receptors located above source
Receptor Assessment	Score Matrix	Score	Rational
Residential dwellings with potential for private water supply	For press	3	Nearest domestic dwelling c.70m from site boundary. Farm buildings c.50m from site boundary
Protected Areas	3b	3	SAC located within 50m
Aquifer	3с	3	Lg Locally important sand/gravel aquifers
Public Water Supplies	3d	0	No public water supplies within 1km
Surface Water Bodies	3e	3	County Brook River located c.50m to north of site (Source: WCC)
Buildings and enclosed spaces used by humans or livestock	3f	5	Farm buildings located c.50m from site boundary

Site 3C - Tier 1 Risk Classification

	Source	Pathway	Receptor	% Score	Risk Classification
SPR1		p === - v	(3e) Surface Water body	30	Low
SPR2		(2a,b&c) Groundwater and Surface Water migration	(3b) Protected Area (Surface Water dependent terrestrial ecosystem)	30	Low
SPR3	(1a)	31 , 21	(3a) Private Well	25	Low
SPR4		(1a) (2a&b) Groundwater	(3b) Protected Area (Groundwater dependent terrestrial ecosystem)	25	Low
SPR5	Leachate	Migration	(3c) Aquifer	15	Low
SPR6			(3d) Public Water Supply	0	No linkage
SPR7		(2c) Surface Water Migration	(3e) Surface Water body	25	Low
SPR8			(3e) Surface Water body	50	Moderate
SPR9			(3b) Protected Area (Surface Water dependent terrestrial ecosystem)  (3f) Human Presence (Buildings,	50	Moderate
SPR10	(1b) Landfill	(2d) Lateral migration in subsoil	(3F) Human Presence (Buildings,	50	Moderate
SPR11	Gas	(2e) Vertical Migration in subsoil	enclosed spaces)	0	No linkage

	Risk Classification		
High	≥70% focany individual SPR linkage		
Moderate	Between 40-70% for any individual SPR linkage		
Low	≤40% for any individual SPR linkage		

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SITE RISK CLASSIFICATION	MODERATE