Form 6b(i): Land use consent application to drill geotechnical bores (including tests) in the Lower Hutt Groundwater Zone



Please answer all questions fully. The questions provide a guide in order to satisfy the minimum information requirements that must be included with your application as prescribed in Schedule 4 of the Resource Management Act 1991 (RMA). Depending on the scale of your proposed activity, more detailed information and an Assessment of Environmental Effects (AEE) will be required to support the resource consent application.

Officers from the Greater Wellington Regional Council's (GWRC) Environmental Regulation department are available to assist with filling out this form or to clarify information to include with your application. Up to 1 hour of free pre application advice is available to you.

This form is required to be filled out in conjunction with Form 1 Resource Consent Application

Part A: General information on nature and scale of your activity

Туре	Number of tests	Specifications			
□ bore(s)		Diameter:		mm	
		Depth:		m	
		Bore casing:		m	
		Will a piezometer be installe	ed?	☐ Yes	□ No
		If so;			
		Depth:		m	
		Diameter:		mm	
		Screen length:		m	
		Will a piezometer be installe	ed permanently?	☐ Yes	
		If no what duration will it be	e installed for?		
		Will an upstand or toby box	be used? Please	provide de	etail.
		Please attach an as-built dra application.	awing of the insta	allation wit	h this
☐ cone penetration test(s)		Diameter:		mm	
		Depth:		m	
standard penetration test(s)		Diameter:		mm	
		Depth:		m	
dynamic cone penetration test(s)		Diameter:		mm	
		Depth:		m	
test pit(s)		Diameter:		mm	
		Depth:		m	

		other please specify:		Diameter:			mm		
				Depth:			m		
2.	Wh	at is your proposed date to start v	vork?	//	/				
	Nan	ne and email of driller/company:							
	Pho	ne number of driller/company:							
	Ema	ail of driller/company:							
3.	Wil	the geotechnical bore(s) encount	er the aqu	itard?		[☐ Yes	□ N	0
	a)	If yes, please advise how many m	etres the b	ore(s) will pene	trate the aqui	itard			m
4.	Wil	the geotechnical bore(s) breach t	he aquitar	d?		[☐ Yes	□ N	0
	a)	If yes, please advise how many m	etres the b	ore(s) will exter	nd beyond the	e aquitard			m
5.	Wil	you encounter artesian flow con	ditions?	☐ Yes	□ No	Unknown			
	a)	If yes, what methods will be used	for contro	lling pressurised	d flow, eg, dua	al casing?			
	b)	If unknown, what measures will k	e in place t	to control press	urised flow if	encountered?			
6. Please describe land use within 100 metres of the proposed bore site, eg, dairy shed, grazin distances to any contaminated sites, septic tanks, waste disposal sites, other bores, wetlan					ting				
	spri	ngs/streams/rivers.							
									_

7.	Are	there any production bores within 100m of the geotechnical bore(s) and test(s)?
	a)	If yes, please state the location of the production bore(s)
	b)	How could the bores identified be affected by the geotechnical investigation and what measures will be taken to ensure the effects identified are avoided?

•	Locality map and plans
	Please <u>attach</u> a plan/aerial photograph showing the location of your proposed bore. The plan/aerial also needs to show the location of any buildings, roads, septic tanks, other bores, freshwater springs, streams, rivers, wetlands and waste disposal sites that you know of. Please ensure any production bores are explicitly identified .
	Note: Remember to show where north is.

Part B: Assessment o	environmental	effects	(AEE)
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Where your activity could have a significant adverse effect on the environment a more detailed environmental assessment is required in accordance with the Fourth Schedule of the Resource Management Act 1991.

 Preventing groundwater contamination and ensuring the integrity of the aqui

Geotechnical investigation bores and tests have the potential to result in the loss of aquitard integrity and the contamination of groundwater through aquifer cross-connection and leakage from the ground surface into groundwater. All geotechnical investigations must be adequately undertaken, sealed and backfilled to prevent this.

gro this	undwater. All geotechnical investigations must be adequately undertaken, sealed and backfilled to prevent i.
a)	Please provide details, including a plan or diagram, of how the geotechnical bore(s) and/or investigation(s) will be constructed/undertaken and backfilled to prevent aquifer cross-connection. You must demonstrate that all aquifers and permeable zones of differing pressure, water quality, or temperature are sealed to prevent the interconnection between the aquifers and permeable zones; this includes measures to ensure that the integrity of the aquitard is not compromised.

	b)	Please provide details, including a plan or diagram, of how the geotechnical bore (s) and investigation(s) will be constructed/undertaken to prevent the contamination or pollution of groundwater by surface or shallow subsurface sources. This includes identifying what contaminants may be present at the site and measures for ensuring identified contaminants do not enter groundwater as a result of the geotechnical investigation(s).
2.	Oth a)	er environmental effects Comment on any possible environmental effects that may occur and any other information you consider may assist the Council in processing your application.

Pa	art C: Monitoring and management of your activity
1.	What monitoring do you propose to carry out to ensure that the construction/or alteration of your bore does not have any adverse effects on the environment?
	Note: On completion of the construction of your bore you will be required to provide a bore log completed by your driller.