

IQP Registration and Approval under the Environmental Engineering Standards

Name	Qualifications	Areas Assessed as Competent	IQP No
Peter Geddes	BE Civil FIPENZ		1
Hawthorn and Geddes		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Pavement structural design	
		Bridges, major culverts	
		Retaining walls	
		Peer reviews	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Storm water treatment devices, etc	
		Stormwater	
		Gravity reticulation	
		Sewer pump stations	
		Suitability report for onsite disposal	
		Community w/water treatment systems (up to 30 HUEs)	
		Pipe bridges	
		Water	
Water booster pump stations			
reservoirs			
pipe bridges			
hydraulic design of reticulation			
All design outside scope			
Guy McGregor	RP Surv / LC Surv		2
Reyburn and Bryant		Water	
		Pavement structural design (CBR greater than 3)	
		Stormwater	
		Catchment analysis(rational method for small devs)	
		Overland flow paths (for small devs)	
Chris Knapp	LC Surveyor		3
Reyburn and Bryant		Water	
		Pavement structural design (CBR greater than 3)	
		Stormwater	
		Catchment analysis(rational method for small devs)	
		Overland flow paths (for small devs)	
Richard Smales	RP Surv / LC Surv		4
Reyburn and Bryant		Roads and Access	
		Pavement structural design (CBR greater than 3)	
		Geometric design	
		Stormwater	
		Catchment analysis(rational method for small devs)	
		Overland flow paths (for small devs)	
		Water	
Hydraulic design of water reticulation (within small devs)			

Name	Qualifications	Areas Assessed as Competent	IQP No
Les Simpson	RP Surv MNZIS		5
Geospatial Services Ltd		Site Suitability	
		Earthworks/Compaction design but not certification	
		Roads and Access	
		Complete design of collector & arterial roads, including pavement structural, geometric & surfacing design (excluding pavements where CBR less than 3.5 or pavements using complex asphalt layers as structural elements)	
		Pavement structural design for roads where sub grade CBR is < 7 > 3	
		Geometric design	
		Intersections	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
Dean Scanlen	CPEng		6
Engineering Outcomes Ltd		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design	
		Geometric design	
		Intersections	
		Peer reviews and safety audits	
		Wastewater	
		Suitability report for onsite disposal	
Thomas Haarhoff	CPEng		7
Harrison Grierson		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Pipe bridges and other structures	
		Water	
		Water booster pump stations	
		Reservoirs	
		Pipe bridges and other structures	
		Hydraulic design of reticulation	
		All design outside scope of Simplified Methods	
Bryan Jackson	CPEng		8
Harrison Grierson		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Pipe bridges and other structures	
		Water	
		Water booster pump stations	
		Pipe bridges and other structures	
		Hydraulic design of reticulation	
		All design outside scope of Simplified Methods	

Name	Qualifications	Areas Assessed as Competent	IQP No
Nigel Tse	CPEng		9
Harrison Grierson		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for on-site disposal	
		Community wastewater treatment systems	
		Pipe bridges and other structures	
		Water	
		Water booster pump stations	
		Reservoirs	
		Pipe bridges and other structures	
		Hydraulic design of reticulation	
All design outside scope of Simplified Methods			
John Tik	CPEng		10
Harrison Grierson		Site Suitability	
		Earthworks / Compaction design	
		Roads and Access	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Pipe bridges and other structures	
		Water	
		Pipe bridges and other structures (water)	
Hydraulic design of reticulation			
Simon Murphy	CPEng		11
Harrison Grierson		Site Suitability	
		Earthworks / Compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Lighting design	
		Peer reviews and safety audits	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
Suitability report for on-site disposal			
Water			
Hydraulic design of reticulation			

Name	Qualifications	Areas Assessed as Competent	IQP No
Michael Smith	CPEng		12
Harrison Grierson		Site Suitability	
		Earthworks / Compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
Pipe bridges and other structures			
Glenn Cornelius	CPEng		13
Harrison Grierson		Site Suitability	
		Earthworks / Compaction design	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Suitability report for on-site disposal	
Philip Cook	CPEng		14
Cook Costello		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Bridges and major culverts, including waterway design	
		Retaining walls	
		Peer reviews (not safety audits)	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for onsite disposal	
		Community w/water treatment systems	
		Pipe bridges and other structures	
		Water	
Water booster pump stations			
Reservoirs			
Pipe bridges			
Hydraulic design of reticulation			
All design outside scope of Simplified Methods			

Name	Qualifications	Areas Assessed as Competent	IQP No
Sean Kelly	CPEng		15
Cook Costello		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Pavement structural design where sub grade CBR < 7	
		Retaining walls	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for onsite disposal	
		Water	
		Hydraulic design of reticulation	
		All design outside scope of Simplified Methods	
Rod McLean	MIPENZ (full)		16
A K Consulting		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Pavement structural design where sub grade CBR < 7	
		Retaining walls	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for onsite disposal	
		Community w/water treatment systems	
		Pipe bridges and other structures	
		Water	
		Water booster pump stations	
		Reservoirs	
		Pipe bridges	
		Hydraulic design of reticulation	
		All design outside scope of Simplified Methods	

Name	Qualifications	Areas Assessed as Competent	IQP No
Steve Turner	CPEng		17
Richardson Stevens		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Bridges and major culverts, including waterway design	
		Retaining walls	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
Sewer pump stations and rising mains			
Suitability report for onsite disposal			
Pipe bridges and other structures			
Water			
Pipe bridges and other structures			
Todd Fraser	CPEng		18
Woods		Site Suitability	
		Earthworks / compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for onsite disposal	
		Water	
		Water booster pump stations	
Hydraulic design of reticulation			

Name	Qualifications	Areas Assessed as Competent	IQP No
Brett Black	MIPENZ		19
Riley Consultants Ltd		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Pavement structural design where sub grade CBR < 7	
		Retaining walls	
		Peer reviews and safety audits	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
	Suitability report for onsite disposal		
	Community w/water treatment systems		
Scott Vaughan	CPEng		20
Riley Consultants Ltd		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Peer reviews and safety audits	
Simon Reiher	BSurv/LC Surv		21
Cato Bolam		Roads and Access	
		Pavement structural design (CBR greater than 3)	
		Geometric design (not greater than 70km/hr)	
		Intersections with collector or arterial roads, and roundabouts	
		Stormwater	
		Catchment analysis (<100 ha)	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm (not larger than 300mm)	
Dean Botica	BE(Civil) NZ		22
Hawthorn Geddes		Site Suitability	
		Report on other hazards (excluding coastal erosion)	
		Earthworks / compaction design	
		Roads and Access	
		Retaining walls	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Suitability report for onsite disposal	

Name	Qualifications	Areas Assessed as Competent	IQP No
James Blackburn	IPENZ (grad)		23
Hawthorn Geddes		Site Suitability	
		Report on other hazards - flood zones only	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Major culverts, including waterway design (excludes bridges)	
		Peer reviews	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
Adrian Tonks	IPENZ (grad)		24
Cook Costello		Stormwater	
		Catchment analysis	
		Wastewater	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Suitability report for onsite disposal	
		Water	
		Hydraulic design of reticulation	
Grant Stevens	CP Eng		25
Richardson Stevens		Site Suitability	
		Geotech assessment report	
		Report on other hazards	
		Earthworks / compaction design	
		Roads and Access	
		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Bridges and major culverts, including waterway design	
		Retaining walls	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Stormwater treatment devices, attenuation structures/devices	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Suitability report for onsite disposal	
		Pipe bridges and other structures	
Water			
Reservoirs			
Pipe bridges			

John Gardiner	CP Eng	Roads and Access	26
Woods		Complete design of collector and arterial roads	
		Pavement structural design where sub grade CBR < 7	
		Geometric design for roads with design speed > 50 km/hr	
		Intersections with collector or arterial roads, and roundabouts	
		Stormwater	
		Catchment analysis	
		Overland flow paths	
		Wastewater	
		Gravity reticulation requiring pipe work larger than 150mm	
		Sewer pump stations and rising mains	
		Water	
		Hydraulic design of reticulation	