



CON520: SUBMISSION ON RESOURCE CONSENT APPLICATION

(SECTION 96 RESOURCE MANAGEMENT ACT 1991)

TO: Consents Hearings

Environment Canterbury

P O Box 345

CHRISTCHURCH 8140

Email: hearings@ecan.govt.nz

Ph: (03) 353 9007 Fax: (03) 365 3194

OR: submit by completing an on-line form at:

FOR OFFICE USE ONLY

FILE: CRC192408, CRC192409, CRC192410, CRC192411, CRC192412, CRC192413, CRC192414, RC185627

Closing Date: 5.00pm Thursday 6 June 2019

https://www.ecan.g	ovt.nz/do-it-online/resource-consents/ notifications-and-subm i	issions/notified-consents
Person(s) /Group /Organisation	Making the Submission	
Full Name of Submitter(s):	Rowland Norman Charles Brown	
Postal Address For Service:		
Contact Phone No(s):		
Fax/Email:		
☐ Please tick	this box if you do not want to receive any communication via email	
Contact Person:	Rowly Brown	

Name of applicant: Fulton Hogan Limited

Applications to Environment Canterbury

ations t	ations to Environment Canterbury						
✓	All of th	e applications as listed below OR only those as ticked.					
	CRC192408	Land use to excavate material					
	CRC182409	Land use to deposit cleanfill					
	CRC192410	Discharge contaminants into air					
	CRC192411 Discharge contaminants into water from industrial processes						
	CRC192412 Discharge stormwater into land						
	CRC192413 Discharge contaminants into land associated with deposition of cleanfill						
	CRC192414 Water permit						
□I/W	e support the app	lication I / We oppose the application I / We are neutral to the application (neither support or oppose)					
	I /We do wish to be heard in support of my/our submission* (Note: this means you wish to speak in support of your submission at the hearing) *If others make a similar submission, I will consider presenting a joint case with them at the hearing ☐ Yes ☒ No						
	OR I / We do not wish to be heard in support of my/our submission (Note: this means that you cannot speak at the hearing, however you will retain your right to appeal any decision to the Environment Court on any decision made by the Council.)						

	\checkmark	RC185627	Land use	for gravel extraction and pr	ocesses			
	□I/W	Ve support the ap	olication	☑ I / We oppose the ap	plication	I / We are neutral to the application (neither support or oppose)		
		I /We do wish to be heard in support of my/our submission* (Note: this means you wish to speak in support of your submission at the hearing) *If others make a similar submission, I will consider presenting a joint case with them at the hearing □ Yes □ No						
		OR I / We do not wish to be heard in support of my/our submission (Note: this means that you cannot speak at the hearing, however you will retain your right to appeal any decision to the Environment Court on any decision made by the Council.)						
2.	I am a oppose Lodge	The reasons for making my submission are: (state in summary the nature of your submission, giving reasons) I am a resident, of the Templeton residential area. I am opposed to the application for the establishment of a gravel extraction and processing quarry on the former Roydon Lodge Horse Stud site at 107 Dawsons Rd. Each of the applications listed above are together opposed as they jointly comprise the Quarry Operation application.						
	Christo access recreat	We purchased our property because of its amenity value in that it was in a near rural environment yet serviced by the Christchurch City's infrastructure. The residential environment is quiet with minimal traffic noise, fresh air, easy access to shopping and services in both Hornby and Rolleston. There is safe access to pursue our outdoor recreational activities of walking, running, and cycling in a semi rural environment. It is an excellent area for maximizing outdoor living.						
	propos	All of these values/advantages stand to be compromised with the establishment of a quarry operation on the proposed site. In addition to the potential impact at a personal level there is the considerable negative impact on the Templeton area community and the local environment from the range of quarrying activities.						
	Specifi	cally:						
						years standing I have visited over 40		

Dust. In my professional capacity as a Health and Safety Specialist of 37 years standing I have visited over 40 different quarrying operations in New Zealand, including gravel, limestone, dunite, lignite, clay, sand, basalt, schist. All quarrying operations create dust, from coarse particulates to super-fines.

Superfine dusts fall within the respirable range and are therefore a human health hazard. This is well documented in scientific publications. Additionally the gravels of the Canterbury Plains can contain up to 15% quartz which is a silicate known to cause the respiratory disease silicosis, and is implicated in some lung cancers. Inhaling any superfine dust can result in Chronic Obstructive Pulmonary Disease (COPD).

Most dusts in the respirable fractions are invisible to the naked eye. They also travel considerable distances (kilometres) in air streams created by the wind. The consent requirements relating to the generation of dust at a quarry stipulate that process must not result in "offensive or objectionable dust discharges".

Dust created from the proposed quarrying operation cannot be totally controlled on site in spite of dust mitigation measures such as watering. Southerly, south-westerly, and north-westerly winds will carry fine dusts over wide tracts of land easily reaching the suburb of Templeton and properties in the wider area. In addition to the health effects dust exposure can cause, there is the considerable nuisance value resulting from fine dust being deposited on people, outdoor furniture, food, windows, washing lines, vehicles, and in houses through openable windows. In some cases this could conceivably result in damage. It is illogical to assume that residents finding dust contamination on and in their property of the type described above would not find this offensive and objectionable. Fine dust also collects on vegetation and has a deleterious effect on both growth and appearance. Isolation distances of up to 500 m would be inadequate in preventing the deposition of fine dust on residential properties downstream of the prevailing winds. The distance from Dawson's Road to the nearest houses in Templeton Park is approximately 500 m.

Traffic: There are significant traffic flows along Jones Road at present with peaks between 6 AM to 9 AM and 3:30 PM to 6:30 PM. Significant increases in heavy freight trucks using Jones Road can be anticipated as the Rolleston Industrial Park expands on the west side of the rail line. This will include trade vehicles servicing the proposed retail complex adjacent to the I-port.

Jones Road is a major public bus route (Yellow bus) between Hornby and Rolleston. Bus movements occur approximately every 20 minutes each way.

The NZ Motor Home Association has a van park adjacent to the proposed quarry site on the South side. The park is not well signposted but is well used. There is a significant number (count unknown and variable) of large camper vehicles moving slowly on Jones Road looking for the park, on a daily basis. Many drivers are unfamiliar with the area and unprepared for the current traffic volumes. With heavy trucks using the road every few minutes there can only be an increase in road congestion, traffic delays, disruption to bus timetables, and an increased accident rate expected.

Increased heavy traffic quarry vehicles are likely to congest the intersections at Jones/Dawson's, Jones/Curragh, and Jones / Weedons-Ross Road intersections. The introduction of roundabouts is unlikely to significantly reduce the potential for truck and trailer units to block intersections at State Highway 1 and at Jones Road in an attempt to avoid being caught on railway crossings.

If light commuter rail services were to be introduced to a Christchurch – Rolleston link there would be further congestion at rail crossings with more train movements occurring. These would also be expected at peak traffic flow hours.

The completion of the Southern Motorway Extension will provide easier access for vehicles to divert from SH1 to Jones Road in order to bypass the city to the north and to reach the airport. This will add to the traffic burden on Jones Road.

There is a proposal being considered by the Christchurch City Council to establish a recreational park and sports grounds on Council owned property in Madisons Road. If established this facility would foreseeably become a hub for a range of sports and recreational activities used by the community and regional schools, including from areas such as Rolleston, Prebbleton, Lincoln, West Melton, Hornby. This would further increase traffic flows from the South crossing SH1 onto Jones Road in the vicinity of the proposed quarry.

Environmental Impacts:

3.

Air Pollution: An increase in the number of heavy trucks in the area will increase the PM 10 particulate burden in the environment, as diesel trucks are the third-highest emission source of PM 10 air pollutants. This will add to the existing air pollution burden caused by domestic solid fuel burners that are outside the Environment Canterbury designated air sheds. The environmental and human health hazards presented by current air pollutants will be hugely exacerbated by heavy vehicle exhaust emissions and quarry dust.

Non-vehicular Traffic and Area Amenity: Currently it is possible to walk, run, and cycle in relative safety on Kirk Rd, Madisons Rd, Newtons Rd, Dawson's Rd, Curraghs Rd, Jones Rd. An influx of heavy truck movements in these areas would make foot and cycling traffic perilous and detract from the social amenity value.

Noise: Environmental noise is minimal in the area, other than the Ruapuna Raceway, which has had existing use rights. Noise emissions from heavy vehicle operations are typically in the 250 Hz to 1000 Hz range. The 50 dB limit proposed for quarry operations applies on the quarry site. This this does not cover truck movements off the proposed quarry site and on the surrounding roads. There is no mention in the consent application conditions of a noise limit imposition after 10 PM. There are no other noise sources in the evenings to mask road traffic noise. Even with double glazed and insulated houses aircraft and trains are able to be heard but are infrequent after 9 PM. Truck movements are proposed at 40 per hour in the evenings. I have conducted "in cab" noise dosimetry monitoring on short-haul and long haul-truck drivers in modern insulated truck cabs, and have recorded LAeq,8hr measurements of between 70 – 90 dBA. Combined with acceleration, deceleration, and air breaking, trucks are noisier on the outside than the inside the cab. This portends a significant change to the noise profile for the urban and surrounding areas of Templeton both during the day and the evening. Both low-frequency and very high frequency sound is both physiologically and emotionally disturbing to people when the noise is virtually continuous.

I wish the consent authority to make the following decision: (give details, including the general nature of any conditions sought)

I wish the Consent Authorities to unconditionally decline the Fulton Hogan Resource Consent Application to establish a gravel extraction quarry at 107 Dawsons Road & 220 Jones Road, Templeton, in its entirety.

I contend that it is a wholly inappropriate location for such an activity for the reasons I have outlined above.

There are substantial gravel resources located under less productive land and further from communities than the currently proposed site that would be more appropriate. The commercial considerations involved should not override the wishes of the affected communities when the well-being of those communities and the surrounding environment is likely to be negatively impacted.

5. I/We **am / am not** a trade competitor for the purposes of section 308B of the Resource Management Act 1991. I /We **am / am not** directly affected by an effect of the subject matter of the submission that (a) adversely affects the environment; and (b) does not relate to trade competition or the effects of trade competition.

RNC Brown

Date 06 / 06 / 2019

Notes to the submitter:

- 1. The person making this submission must send a copy to the applicant as soon as reasonably practicable after serving Environment Canterbury
- 2. A list of all submissions received will be provided to the applicant.
- 3. Please be aware that third parties may request a copy of submissions received and that request is subject to the Local Government Official Information

and Meetings Act 1987.

The address for service of the applicant is:

Fulton Hogan Limited c/- Golder Associates PO Box 2281 Christchurch 8041

Attn: Kevin Bligh / Geoff England

Email: submissions@golder.co.nz

From: Quarry Mail
To: Rowly Brown
Cc: Hearings

Subject: HPE CM: RE: Roydon Quarry Submission **Date:** Friday, 28 June 2019 10:18:39 AM

Dear Mr Brown,

Thank you for your email.

This will be appended to your submission; as we cannot change the content in your orginal.

Kind regards,

Catherine

From:

Sent: Thursday, 27 June 2019 2:38 PM

To: Quarry Mail < Quarrymail@ecan.govt.nz>

Subject: Roydon Quarry Submission

Greetings.

Today I cited a copy of my submission in respect of the Fulton Hogan Consent Application for the proposed Roydon quarry on the Ecan website.

I note an error in my submission and wish to have this corrected if possible, as is a material matter.

At the end of my submission document it erroneously states (my error) that I am a Trade Competitor of the applicant. The words "am not" were mistakenly struck out, leaving the "am" option marked.

I am <u>not</u> a trade competitor of Fulton Hogan, and wish to have this noted or changed appropriately.

I confirm that I **am** a person affected by the proposal.

Yours sincerely

Rowly Brown

Rowly Brown