

**From:** [office@templeton.school.nz](mailto:office@templeton.school.nz)  
**To:** [Hearings](#)  
**Cc:** [submissions@golder.co.nz](mailto:submissions@golder.co.nz)  
**Subject:** HPE CM: Notifications Consent Submission: Group 422  
**Date:** Friday, 24 May 2019 1:40:24 PM  
**Attachments:** [Templeton-Primary-School-Submission-Attachment-CRC192408SubmissionForm.pdf](#)

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**Group ID: 422**

**Consent name:** Fulton Hogan - Roydon Quarry

**Consent number:** CRC192408, CRC192409, CRC192410, CRC192411, CRC192412, CRC192413, CRC192414, RC185627

**Name:** Templeton Primary School Board of Trustees

**Care of:** Templeton Primary School

**Mailing address 1:** 40 Kirk Road

**Mailing address 2:**

**Suburb:** Templeton

**Town/City:** Christchurch

**Post-code:** 8042

**Country:**

**Mobile phone:**

**Work phone:** 03-349 7045

**Home phone:**

**Email:** [office@templeton.school.nz](mailto:office@templeton.school.nz)

**Contact by email:** No

**Is a trade competitor:** No

**Directly affected:** Yes

**Consent support/hearing details**

- CRC192408: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192409: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192410: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192411: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192412: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192413: oppose | NOT to be heard | will NOT consider joint hearing
  - CRC192414: oppose | NOT to be heard | will NOT consider joint hearing
  - RC185627: oppose | NOT to be heard | will NOT consider joint hearing
-

**Reasons comment:**

Attached file: Templeton Primary School Submission Attachment  
CRC192408SubmissionForm.pdf

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**Consent comment:**

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CRC192408SubmissionForm.pdf



# TEMPLETON PRIMARY SCHOOL

40 Kirk Road, Christchurch 8042  
Telephone (03) 349 7045 • Fax (03) 349 7047  
Email: [office@templeton.school.nz](mailto:office@templeton.school.nz)  
[www.templeton.school.nz](http://www.templeton.school.nz)

## **Attachment to Templeton Primary School Submission 24 May 2019 on Fulton Hogan Ltd application to establish quarry**

### **Part 2. The reasons for making my submission**

### **Part 3. I wish the consent authority to make the following decision**

CON520: SUBMISSION ON RESOURCE CONSENT APPLICATION  
(SECTION 96 RESOURCE MANAGEMENT ACT 1991)

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

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### **Part 2. The reasons for making my submission**

The Board of Trustees at Templeton Primary School believe the application by Fulton Hogan to change the use of a large section of open countryside on the edge of Templeton township to a large scale open-cast quarry will have negative and long lasting effects that cannot be adequately eliminated on our school, our students, our staff and our school community.

There are no known New Zealand examples of a large scale open-cast quarry being located so close to a school boundary. This poses real significant risks to our long established school, which is central and high profile within the Templeton township. The known health risk of airborne particulates including silica are well documented and the New Zealand Medical Journal ([nzmq.or.nz](http://nzmq.or.nz) 1 Dec 17, Vol.130, No.1466) confirms these risks without being able to identify safe exclusion zones and the ability to stop activities where wind-blown materials will affect receptors (people) downwind. Furthermore Work Safe NZ ([worksafe.govt.nz](http://worksafe.govt.nz)) state that between 600-900 deaths occur each year in NZ from inhaling silica dust.

We at Templeton Primary School are very aware of the residents overwhelming opposition for the quarry on agricultural land on the western edge of Templeton township and have to take that opposition into account when considering the impact of quarrying activity on the township boundary, especially when attracting and retaining teachers and students. In a tightening workforce, teachers will no longer regard Templeton Primary School as an attractive teaching placement. Similarly the school roll will drop as families decide to either relocate home or move children to other schools, further from environmentally, amenity and health damaging activities (i.e. quarrying).

Having a large scale open-cast long term quarry located so close to Templeton Primary School will marginalise our school to a totally unacceptable level.

We request that Selwyn District Council take into account the cumulative effects of non-residential and agricultural developments in the Templeton and Weedons surrounding areas when determining this current application from Fulton Hogan. Our school already suffer the negative impacts of a series of recent and some long established activities abounding Templeton township including:

1. Directly east of Templeton Primary lays the Mike Pero (Ruapuna) Motorsport Park, which includes the South Island's most used motor racing circuit, speedway and motor bike race track.
2. East: Existing quarries abound.
3. North: Existing quarries abound.
4. East: The growing Waterloo Business Park.
5. West: The Inland Container Port and growing I-Zone Business Parks and the related increases in heavy laden trains and trucks through Templeton.
6. The development of CIAL and the increase in flight volumes above the school.

To offset this industrial growth the west side of Templeton has enjoyed new subdivisions and development of the rural outlook. The proposed quarry will compromise this aspect of Templeton township with downstream negative effects on our school.

The proposed large scale quarry so close to Templeton Primary has potential to pose safety and health risks to our students and staff. Our main concerns are as follows:

1. Increased and/or contaminated airborne dust
  - 1.1. Templeton Primary is located directly downwind of the proposed quarry for Canterbury's strongest nor west winds and within very close proximity to the quarry. This will increase nuisance dust within classrooms, school grounds and for some cause irritation and symptoms of concern.
  - 1.2. We have concerns about respirable crystalline silica dust.
  - 1.3. The proposed minimising strategies of bunds with vegetation and water washes are wholly insufficient to manage increased and/or contaminated airborne dust. We have no confidence in the effectiveness of Fulton Hogan's proposed methods of eliminating or containing dust generation, noting that dust becomes airborne constantly from the moment the ground is broken until the site is 100% sealed over. We also have no confidence in the ability to guarantee that independent dust monitoring equipment is able to be deployed and operated constantly to record dust levels. We also understand from public meetings and personal experience that neither the Selwyn District Council nor Environment Canterbury are currently resourced or supported to deal with compliance checks and sanctions/mitigations following breaches.
2. Increased noise pollution
  - 2.1. Fulton Hogan proposes to run permanent crushing, screening and washing equipment together with a portable crusher. Based on current quarry operations the noise nuisance of these machines is significant. While an Environment Noise Assessment has been provided by Fulton Hogan, it appears that this assessment did not take into

account noise from crushing, screening and washing equipment combined with the portable crusher.

- 2.2. Templeton Primary School already sustains a greater than moderate level of noise pollution because of the Christchurch International Airport Ltd. While the airport maintains appropriate noise contours to discourage noise sensitive development from occurring in areas affected by aircraft noise, it does have an impact on our school. With the additional of a large scale quarry with crushing, screening and washing infrastructure so close to our school the excess noise may impede our students ability to hear and learn.
- 2.3. Noise nuisance is further exacerbated by heavy vehicle and machine movements including reversing sirens making a piercing beeping noise.

### 3. Compromised traffic and cyclist safety

- 3.1. While the Integrated Transport Assessment proposal of Dawsons/Jones Roads and Dawsons/Main South Roads roundabouts addresses the proposed 1500 HVM movements per day, there is little confidence in adherence to this transport route. Without meaningful sanctions, how will adherence to this transport strategy be managed?
- 3.2. The partial new cycleway from Rolleston through Templeton is expected to see more students cycling to school. The proposed quarry transport strategy will significantly jeopardise the safety of those cyclists with at least 1500 HVM movements crossing the new cycle path in any given day.
- 3.3. Will aggregate stockpiling between Fulton Hogan's Miners Road, Pound Road and proposed Roydon quarries cause an increase in trucks on Kirk Road? Trucks passing Templeton Primary School gates have been known to travel at inappropriate speeds, have uncovered loads (some with aggregate falling out) and contribute to dust pollution. Even unladen trucks cause vibration and noise in school buildings to the same effect as an earthquake, which unsettles already frayed nerves following years of earthquakes and school lockdowns.

### 4. Aquifer pollution and decrease in volume

- 4.1. Our school, like Templeton residents, relies entirely on safe potable water. Excavation, contamination through excavation, backfill, spills and water discharge may pollute our aquifer. What independent and regular water testing and monitoring is intended?
- 4.2. Removing significant volumes of water from the aquifer may decrease volumes available downstream for greater Christchurch residents and schools.
- 4.3. Without gravel to filter contaminates/spills/waste water there is very little stopping pollutants entering the aquifer.
- 4.4. The proposed clean fill (if any can be found) will not contain the biodiversity of invertebrates that currently are the key to the sustainability of Christchurch's groundwater resources.
- 4.5. The groundwater level is not controllable. In years where there is a return to higher groundwater levels, such a proposition would see land-based quarry floors becoming meters underwater, giving rise to many other issues including flooded quarries, temporary lakes, bird fouling.
- 4.6. The water race adjacent to the proposed quarry is part of a water race network that runs by the Templeton Community Centre and our school. We understand the proposed quarry intends supplementing its operations with water from this race with potential to discharge waste water back into it. Our students use the water races for

outdoor activities. Pollution of any kind has potential to harm our students and teachers. Are there any independent baseline water quality measures or regular testing to safeguard this water for all downstream users?

**Part 3. I wish the consent authority to make the following decision**

Reject the application for quarrying in the proposed location.

The proximity of a large scale open-cast quarry so close to Templeton Primary is absolutely unnecessary. While the need for another large scale quarry in Christchurch is debatable there are other more appropriate locations. Fulton Hogan has noted other sites in Figure 2 site selection map in their application along with already owning a significant tract of land on Chattertons Road (McLeans Island end).

Templeton Primary School rejects all resource consent applications associated with the proposed Fulton Hogan Roydon quarry absolutely, unequivocally and entirely.