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 9607  Fax: (03) 365 3194

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

Person(s) /Group /Organisation Making the Submission

Full Name of Submitter(s):
Kenneth James Calder

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:

Name of applicant: Fulton Hogan Limited

Applications to Environment Canterbury

☒ All of the applications as listed below OR only those as ticked.

☐ CRC192408 Land use to excavate material
☐ CRC192409 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 / We support the application ☒ 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.)
Application to Selwyn District Council

RC185627    Land use for gravel extraction and processes

☐ I / We support the application   ☒ 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.)

2. The reasons for making my submission are: (state in summary the nature of your submission, giving reasons)

See attached

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

See attached
5. [ ] I am not a trade competitor for the purposes of section 308B of the Resource Management Act 1991. I 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.

Signature of submitter or duly authorised agent on behalf of submitter

Date 23/5/19

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
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
Traffic;

Changes to SH1 to remove traffic restrictions enroute to Christchurch, now being required to negotiate a new roundabout to allow FH quarry traffic.

Options 1 and 2 for access to Quarry site still does not appear to allow for 40 years worth of traffic growth. The use of Jones Rd as main access still could inhibit smooth traffic flows heading north with trucks turning across this lane.

Heavy Vehicle Movements are maxed at 1500 per day (FH numbers) this means that overall movements along that area will increase by approx 6700 per day, just for these trucks (note I have split 50/50 trucks 6vm and truck and trailer 12vm.)

Jones road outside the extra width allowed for the Quarry turn in, is only 6m wide so not much room for trucks or other large vehicle to pass.

Vibration will be a factor with these extra movements.

Dust:

Silica dust is a very fine residue left after the crushing process and is light enough to remain suspended in the atmosphere for long periods of time and distance. FH uses 500m as the limit of the mitigation for quarry dust. All aspects of this activity involves the production of dust as a byproduct, and although various means of water coverage may alleviate some of the dust there is a distinct possibility that it will spread outside the distance boundaries as proposed.

Silica dust has some serious health effects with long term even with small doses restricting a persons health, lifestyle and life expectancy. It is apparently carcinogenic as the lungs are unable to remove it and can have similar issues as Asbestos.

Silica dust has been around for a long time but yet there appears to be little literature available for passive inhalation for people exposed for up to 24 hours per day 7 days a week, such as locals around this Quarry area. There is a lot of coverage for workers up to 40 hours per week but wearing respirators around the house!!
K J Calder against Roydon Quarry

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Noise

This area is defined as a country area near a major city and that people choose to live here due to its natural environmental aspects. The proposed Quarry would impact severely on these attributes.

The greater Templeton and Rolleston area has some noise affects with the main railway line and approach path for Christchurch Airport nearby. However having lived close to these events for 16 years they are of short duration only, a crushing plant operating up to 24 hours per day will surely impact on overall noise.

In North Easterly wind conditions (note FH in application note this is prevailing wind direction and my work as an Airline Pilot operating out of Christchurch for 29 years certainly this is the case) we can hear Mike Pero raceway 6.8 kms away when racing is being held. I note that FHs Pound Road Quarry is across the road from this raceway. I have never heard operations from this site however the Roydon Quarry hole (pit where crusher plant to be sited) is only 2.8 kms away, so I would expect to hear this plant operating.

With a projected life of up to 40 years this Quarry will enevitably bespoil the surrounding area especially as the area of it is 170 Ha and operations can be up to (if consented) close to the boundaries.

Water;

Water (particularly in Canterbury) is an extremely valuable resource with, in this case most families living in the country relying on private bores for their water. FH propose an operating limit to 1m from general groundwater limit, this is not sufficient as leaching of contaminated material could easily progress into the local Aquafiers. My own case is where I have put a bore down 48m into the second aquafer a recent water test has confirmed high concentrations of Nitrates in the water. I am now unable to drink this water and would be very concerned that FH and the proposed Quarry has the potential to contaminate groundwater running generally to the east. Especially with only a 1m limit above groundwater level.

FH suggest that the byproduct left over from water based activities is silt, surely this has the potential to block up bores downstream of the site.

Given the large projected use of water then private bores drawing off the same Aquifer will be affected.
K J Calder against Roydon Quarry;

I request the Council decline the application, but if approval is given then request the following conditions as a minimum;

Full environmental assessment of all aspects of this operation due to the extended life (40 years) and not relying on a small number of consultants supplying their own data.

Traffic; GPS tracking on all Heavy vehicles using site, automatic electronic data to be available to relevant authority.

All trucks to be washed with clean water prior to exiting Quarry and covered as per application.

Close monitoring of local traffic flows especially on Jones Rd and SH1. Also travel routes to be followed at all times not just a code of conduct.

Dust; Extra water suppression to be positioned to control as much as possible any dust in atmosphere outside Quarry area.

Dust measuring equipment around the boundaries and further afield as at the moment the South to Southwest quadrants are not covered much. Note North East the prevailing wind.

Measurement of rate of change of dust levels after Quarry in operation.

Noise; Reduce hours of operation to a generally acceptable level ie, none after 10 pm and nothing before 6 am Monday to Saturday.

Limit trucking movements accordingly to this time frame.

Limit number of mobile plants on site say to 2.

Position crusher plant inside a building to eliminate as much noise as possible, this to be in the Hole.

regards Ken Calder

[Signature]