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Subject: Notifications Consent Submission: Group 422
Date: Tuesday, 28 May 2019 3:39:26 PM
Attachments: [Mitchell-Rogers-Roydon-Quarry-Submission.pdf](#)

Group ID: 422

Consent name: Fulton Hogan - Roydon Quarry

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

Name: Mitchell Rogers

Care of:

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Contact by email: Yes

Is a trade competitor: No

Directly affected: Yes

Consent support/hearing details

- CRC192408: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192409: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192410: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192411: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192412: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192413: oppose | WANT to be heard | WILL consider a joint hearing
 - CRC192414: oppose | WANT to be heard | WILL consider a joint hearing
 - RC185627: oppose | WANT to be heard | WILL consider a joint hearing
-

Reasons comment:

Please see attached document outlining my reasons.

Consent comment:

Please see attached document outlining my conditions.

FH Roydon Quarry Submission

- Reasons for submitting
 - Live in near proximity and travel past the site everyday
 - Not opposed to quarrying as an operation, but this location is not suitable as there is an established township much too close to the proposed operation

I am making this submission because I live nearby to the proposed quarry site and I travel past this site most days. I am 25 years old and have lived on Jones Road in Weedons my entire life. For the majority of my life the area has been a quiet lifestyle area with good proximity to the city, but a perfect distance from the hustle and bustle. Recently, however, satellite towns of Rolleston and West Melton have grown significantly. The Rolleston Industrial area has been the biggest impact for me so far as it has increased the number of trains going past, noise/light pollution and mostly a huge increase to the traffic. This has changed the amenity feel to the entire area. I used to love going out biking and exploring the nearby area. The only chance I can do that now is on public holidays. I fear that further industrial development – especially to the East of Weedons will wedge this lifestyle area between two major Industrial zones and destroy the true lifestyle that we have here. The buffer zone between that hustle and bustle is just disappearing in front of my eyes daily. Most of the past developments haven't had Public Notification and so we could not submit on this. Therefore I see this as a chance to see development done in the best way possible for this area.

I actually work in the construction industry and have experience working in mining and quarrying operations. Therefore I have a good understanding of the process that occurs within a quarry. I have attended several of the public engagement sessions at the Roydon site and understand the proposal.

I can understand the general reason for the location being chosen there, with regards to aggregate type and proximity to the motorway and growing developments of Western Christchurch and Rolleston. However, I am concerned that this particular location will have more than minor effects on the surrounding areas in regards to my points below:

All conditions I propose are to be applied only if the quarry is to go ahead (and subsequent Resource Consents granted) at this location.

Traffic

- Need improved roads surrounding quarry area
- Heavy traffic bans on unsuitable roads
- Various intersection improvement
- **Map appended below**

- Need access to motorway going to Christchurch without going to Weedons Ross Road entrance

My biggest concern is the traffic generated on the surrounding rural-styled roads. Without significant upgrade, the heavy traffic and amount of traffic movements proposed will make these roads very dangerous for light vehicles. Currently Jones Road and Madisons Road are in a state of disrepair. The roads are very narrow and have significant potholes on the edges of them. I travel these roads everyday, and Jones Road especially already has a lot of heavy vehicles and a bus route. When these large vehicles pass they have to put their left wheels over the edge of the seal so they don't hit each other. I ensure my following distance is far enough so that I don't get the flying stones from the edge of the road or the seal breaking up. Adding more vehicles to these roads is going to cause deaths.

It is already very dangerous, but it cannot be allowable to create a source of vehicles without significant upgrade or heavy vehicle bans on these roads.

I believe as these roads are primarily designed for access to local properties, and therefore there must be heavy vehicle bans put in place. I understand this will be an inconvenience to the applicant, however, it is very important for traffic safety and the overall appeal of the surrounding area.

Combined with upgrades or traffic bans, several intersections require major upgrades to ensure safety at them. I understand that there is a proposal for the entrance of the quarry to have Jones Road widened with turning bays and a roundabout at Dawsons Road intersection. But from my perspective there are vital upgrades and would be required regardless of any consent conditions. The Curragh's and Jones Intersection also requires a roundabout. The design of this must discourage vehicles to use Jones Road as a thoroughfare to Rolleston or Christchurch. The entire road network will need to be redesigned to suit the proposed traffic volumes.

This adds to my concern that the only access to the Southern Motorway from the Quarry site heading towards Christchurch is actually by travelling South on Jones/Manion Roads and entering at Weedons Ross onramp as there is no onramp and Robinsons road heading towards Christchurch. The other alternative is to use Main South Road and then enter at the Marshes/Shands onramp. This is a poor design by NZTA as it didn't take into account the possible growth in the lifestyle area here. My concern is not just for Jones Road, but that it also means that the heavy vehicles will be travelling a lot further than necessary for travel. It essentially means that the motorway is not any closer here than the outer plains. So for time/fuel efficiency, this location is also not ideal without an onramp at Curragh's/Robinsons or Waterholes/Hamptons Roads. Therefore, if the quarry does go ahead, there must be convenient access to the motorway from the underpass at Curragh's/Robinsons Road or at the overpass on Waterholes/Hamptons Road. It will then be able to remove the heavy traffic from the rural roads and direct it onto the safer motorway. This will also give good incentive for heavy vehicles to use the motorway to get to Rolleston instead of the more direct route of Jones Road.

Further additions to the vehicles related to the quarry

- Traffic counters must be installed to ensure compliance with traffic movements and must be monitored by ECan
- All trucks and trailers must have covers on while in transit to ensure dust doesn't emanate from truck decks
- Trucks by FH and others should be as modern and quiet/fuel efficient as possible with current technology. *I will add more in the noise section below, but from my experience quarry operators are good at keeping noise minimised within their boundaries, but don't seem to care what trucks they use or the greater impact from the transport*
- These conditions must apply to all vehicles related to the quarry

Water

- Large extractions for dust suppression would need to happen
- Overall loss of water to system
- Must ensure no contaminants enter groundwater – this consent should not be granted
- Pollution of water

My concern about the requirement of industrial amounts of water for this location in an area that is already over-allocated. I understand that the allocation doesn't reflect the actual use. But a quarry will need all the water they can get – especially during the driest time in summer to prevent dust in the extraction areas and haul roads. It seems unfair to grant a consent to this activity and the existing farmers surrounding the area cannot water crops enough.

This adds to my concern that it could add to the depletion of the two most upper aquifers in the area. The past few years have been a struggle to get enough water to pump at our property during February and March. I realised this is not just the impact of over-allocation but also climatic. But we need to preserve our precious water system and not impact a lesser biophysical system just because we want some rocks. These factors must be balanced when considering granting the consent CRC192414.

I am also worried about the consents related to discharge of contaminants: CRC192410, CRC192411, CRC192412 and CRC192413. While I understand that these consents are practically required for any extraction industry, allowing contaminants to enter groundwater so close to residential water extractions is not acceptable without any treatment mitigation measures. A list of potential contaminants that must be excluded from the general discharge without treatment needs to be composed. I am thinking around hydrocarbons and chemical contaminants sourced from machinery onsite as the main affect. None of these contaminants must ever enter groundwater. If they did, since this has potential to be a big operation, it could eventuate with pollution to the water in surrounding areas.

Dust

- Almost impossible to avoid any dust
- Nor wester
- Trucks needs covers
- Conveyors to be sealed/encased

- Bunds need windbreaker fencing on top

In this proposed operation, it is almost impossible to stop the production of dust. The extraction, crushing/processing and transportation of material all produce dust. However, I believe it is possible to mitigate the major effects for the majority of the time.

The biggest problem will be during the Nor-Wester wind as it blows strongly through this location. There are very few trees currently onsite and even as a farm a lot of dust is produced.

However, I believe that all trucks leaving the site must have covers on their decks and trailers. This is common now for some companies to do, however, it must be necessary for this site as it is so close to residential/lifestyle areas.

Conveyor belts must be concealed to prevent dust spreading from them. I believe this is currently the best practice but should be necessary for new operations.

I believe another good measure to minimise dust spreading out of boundaries is installing windbreaker fences on top of the boundary bunds. This can go along with native planting and can also improve the visual aesthetics as well.

All of these options reduce the requirement for spraying water and this can be reserved for stockpiles, extraction areas and haul roads.

Noise

- Must not be truck movements or extraction during sleeping hours
- Encased machinery
- Noise monitors at all times

I feel strongly that there should be no noisy work during normal sleeping hours. This is due to the proximity with residential areas. Most quarries have some distance from residential areas so it is usually not a major problem, however, this quarry is surrounded by houses and will have a more than minor impact on the people living in these houses with regard to noise. I have noticed the IPort at Rolleston has been affecting my sleep over the past few years. It produces a low amplitude noise that lasts for a long time and I can tell it is from machinery moving. This is particularly significant on still nights, but can be noticed often. I know that a quarry will make the same kind of noise and this is not acceptable as a less than minor effect. It is very close to Templeton and would really affect everyone there. Therefore, there needs to be hour restrictions on the major works occurring at this site. This also extends to truck movements outside the quarry. These must not occur between 2200 and 0600 hours.

As mentioned in the Noise section, encased conveyor systems and crushers will also reduce noise. This must be necessary for this site.

I believe that to ensure the applicant that keeps to certain noise levels, a monitoring system must be in place. This information can be monitored by ECan.

Amenity

- Area with good views of southern alps
- Boundary zone between the city and rural area changing too fast
- Too much promotion of development, no focus on ecosystems or sustainability

- Devalue entire area into quarry only zone – new McLeans Island, this area shouldn't be next to main thoroughfare routes

The amenity value of this location may not be considered very high by many as it is just a paddock and there is not much else there. But this is what I like about it. It is a very nice area to go past and it creates an attractive buffer area between the city and the inner plains. The location has a great view of the Southern Alps – which is good visually, however, it means that it is prone to dust and strong winds.

The 'buffer' zone boundary between the city and the inner plains has been rapidly developing in the last decade. Again, I am not against the development, however, I feel that the development needs to be suitable to the zone. This area is very near the residential and farming area. A big industrial complex is not suitable here. There are areas where this is suitable as the amenity suits a lot better – for example McLeans Island. This entire area is still in a good proximity of the city, but it is not on the main thoroughfare, it is not near the residential zones and it is currently utilised for quarrying. Zoning needs to define these kind of regions, and this application demonstrates the needs for this to occur.

The development that is occurring in these areas doesn't show any consideration towards local ecosystem services or general sustainability. The argument is the proximity reduces the transport. But there should be a much stronger focus on how we develop and find those suitable locations. We need to learn from past mistakes, developing on ideal farmland that has weak foundations when this area would be more ideal for small buildings (such as residential) if it were to be developed.

My fear is that this going ahead will set a precedent for this area. One quarry becomes two and so on. It will surely devalue the entire area, but mostly destroy the amenity value that it holds now. It would make a pretty bad look to enter the city through a wasteland industrial zone. Even if rehabilitation were done well, I feel that it would just not be the same.

Buffer Zones

- Need buffers on all sides of quarry – especially Templeton side (Eastern Boundary)

To ensure that this proposed quarrying operation has the most minimal effects on the surrounding areas, if it is to go ahead, there needs to be a buffer around the boundaries. If the quarrying occurs right up to the boundary – especially on the East side, the residents of Templeton will suffer from the effects for many years.

It is obvious that, in this case, it doesn't make logical sense to establish this operation here when the effects will be more than minor to locals even with the best mitigation measure. Buffer zones around the boundaries are the next best thing.

Summary

Overall I oppose all of the consents applied for and variations to existing consents of the property. The reason for this is due to my concern of the effects being more than minor and lasting for a very long time.

The issue of the unknown at the moment is playing on our mental health. I can see there is a positive impact on the local economy and services development, however, we are all worried that if this goes ahead and that the conditions do not cover the items I mentioned above, we may have to move to get away from the effects.

