

Fleming Quarry Extension – Fowler’s Response to May 28, 2018 Public Meeting Questions

	Council Questions and Comments	Response
1.	Deputy Mayor O'Donnell inquired if Fowler uses scatter mats.	<p>Scatter mats are not used, however all blasts are designed:</p> <ol style="list-style-type: none"> 1) by an outside consultant; 2) to meet the provincial limits; and, 3) to be safe. <p>If the blasting consultant recommended the use of blasting mats, Fowler would follow the recommendation, however it is noted that they are not used regularly in quarries for blasting.</p>
2.	Deputy Mayor O'Donnell asked for clarification on the Township’s approval authority for the expansion and the changes to the existing quarry. He felt another public meeting or open house would be beneficial.	<p>Three separate approvals are required for the Fleming quarry extension:</p> <ol style="list-style-type: none"> 1) Township Official Plan Amendment (OPA) 2) Township Zoning By-law Amendment (ZBA) 3) MNRF Aggregate Resources Act License <p>For modifications to the existing Fleming quarry an MNRF Site Plan and License Amendment is required.</p> <p>The expansion cannot be approved until the land use designation and zoning are in place. Township Council is the approval authority for the ZBA while the County of Simcoe is the approval authority for the OPA.</p> <p>For the Aggregate Resource Act applications the Township is a commenting agency and the MNRF is the approval authority.</p> <p>To date, there have been multiple public meetings regarding the proposed applications including:</p> <ol style="list-style-type: none"> 1) An on-site open house in 2017; 2) An ARA public information session at the Washago Community Centre on April 27th, 2018; and 3) A statutory public meeting under the Planning Act held in the Township of Ramara Council Chambers on May 28th, 2018. <p>In addition, four more public meetings will be required as part of the OPA / ZBA application process. These future public meeting include:</p>

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		<p>1) A staff report for consideration of the OPA and ZBA will be required to go to Committee of the Whole for discussion followed by Council for a decision; both of which provide opportunities for public input;</p> <p>2) In the event that council adopts the OPA, a staff report will have to go to County Committee for consideration followed by County Council for a decision; both of which are open to the public.</p> <p>Furthermore, Fowler reached out to the residents that wrote a personalized ARA objection letter and offered to meet with them on an individual basis to discuss the applications. Some of these residents accepted the offer and have met with Fowler.</p> <p>All ARA objectors will receive a written response to the concerns they raised. Fowler expects this letter to be sent out this spring.</p>
3.	Councillor Johnson inquired about the number of blasts per year.	There are typically 2 blasts per season and 4 blasts during a busy season.
4.	Councillor Sharpe asked if the dust produced by the quarry is tested.	<p>The dust is not tested, however the province has prescribed conditions that must be complied with at set out in section 3 of the Provincial Standards of Ontario for a category 2, class A quarry:</p> <p>3.1 Dust will be mitigated on site.</p> <p>3.2 Water or another provincially approved dust suppressant will be applied to internal haul roads and processing areas as often as required to mitigate dust.</p> <p>3.3 Processing equipment will be equipped with dust suppressing or collection devices, where the equipment creates dust and is being operated within 300 metres of a sensitive receptor.</p> <p>Fowler has also implemented a new trial program at the Fleming quarry to mitigate dust by using a water spraying system on all truck traffic leaving the quarry.</p>
5.	Mayor Clarke had questions regarding the slopes and cliff faces following rehabilitation of the site to a lake.	<p>The proposed rehabilitation plan for the existing quarry and extension has been designed to ensure public safety.</p> <p>At the time of final rehabilitation, the south and east sides of the quarry will be at grade with the proposed lake and will provide easy access between the land and lake.</p>

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		<p>The western limit of the quarry has been designed with a cliff face that is 30 m from the Rama Road ROW. This cliff face is on average 8 m above the final lake level. Fowler has worked with MNRF to modify the final rehabilitation plan to add additional areas along the western boundary that does not include cliff face and provides easy access between the land and the lake.</p> <p>The northern limit of the quarry has been designed with a cliff face that is 15 m from the northern property line. This cliff face is on average 7m above the final lake level. Cliffs are a natural feature and provide important habitat for a variety of species. The cliff face is also in close proximity to areas along the eastern and western boundary that provide easy access between the land and lake.</p>
6.	Mayor Clarke stated the Township will require an agreement outlining the required routes for trucks.	Fowler has had discussions with the Township and is prepared to enter into an agreement that stipulates that haul trucks leaving the quarry must use the existing haul route travelling north on Rama Road to Highway 169, except for local deliveries.
7.	Mayor Clarke asked if there was a policy in place that requires trucks leaving the quarry to put the screens down over the load.	<p>Regulation 577 under the Highway Traffic Act pertains to the covering of loads. Section 2, subsection 1 states commercial vehicles operating on a highway and carrying a load that is:</p> <ul style="list-style-type: none"> a) Sand, gravel, crushed stone, slag, salt or any mixture thereof, where such substances are in the form of particles of up to 1½ inches in diameter; b) Waste; or c) Shredded scrap metal <p>Trucks are required to cover the portion of the load that is not enclosed by the vehicle or load container. The covering material is to be made of tarpaulin, canvas, netting or other material capable of confining the load within the vehicle container or load container.</p> <p>Section 2, subsection 2 states a number of exceptions for when commercial motor vehicles are not required to cover their loads. The following are the exceptions:</p> <p>(2) Subsection (1) does not apply where the commercial motor vehicle or the combination of a commercial motor vehicle and trailer or trailers is being operated,</p>

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		<ul style="list-style-type: none"> a) in the course of applying sand, salt, a mixture of sand and salt or any similar substance to the highway for the purpose of winter highway maintenance; b) in the course of collecting waste; c) in the course of carrying waste where the vehicle does not have a gross weight or registered gross weight in excess of 10,000 pounds; d) in the course of carrying a load that is not waste and the vehicle does not have a gross weight or registered gross weight in excess of 18,000 pounds; e) in the course of carrying sand, gravel, crushed stone or slag, of which not less than 90 per cent is clear aggregate, where the highest point of the load does not extend above the top of the vehicle container or load container, and the perimeters of the load are not less than twelve inches beneath the top of the vehicle container or load container; f) in the course of carrying sand, gravel, crushed stone, slag, salt or any mixture thereof in December, January, February or March where the highest point of the load does not extend above the top of the vehicle container or load container, and the perimeters of the load are not less than twelve inches beneath the top of the vehicle container or load container; g) in the course of carrying agricultural products, where such vehicle is owned by a farmer; h) on a highway with, (i) an untreated gravel or crushed stone surface, (ii) an earth surface, or (iii) a surface treated solely for dust abatement purposes; i) while proceeding across a highway in order to proceed on a highway as described in clause (h), or in proceeding across a highway in order to enter onto private property abutting the highway; or j) within the limits of a highway construction contract. <p>It is Fowler's practice to tarp all of their own loaded vehicles leaving their quarries regardless of the size of the material within the container.</p>
8.	Deputy Mayor O'Donnell stated that he had followed a truck from County Road 169, east on Switch Road to the quarry entrance. He inquired if this happened often as he was not aware the trucks were permitted to access the quarry from	The majority of trucks travelling to and from the quarry use the established haul routes, however some trucks travelling to the quarry come from different locations. These trucks are empty and are required to comply with County and Township road requirements.

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	the west.	<p>Once leaving the quarry, Fowler will enforce the use of the approved haul route through the following means:</p> <ol style="list-style-type: none"> 1) Direct communication with Fowler Construction truck drivers to ensure they follow the approved haul route; 2) Letter to Fowler's customers outlining the requirement they follow the approved haul route and to follow the rules of the road. 3) Direct communication with individual brokers as they leave the quarry to ensure they know they must follow the approved haul route; 4) The installation of a security camera at the entrance/exit that will monitor the direction trucks enter and leave the quarry from. Video footage will be reviewed regularly and any haul route, Highway Traffic Act or tarping infractions will be reported to the appropriate individual brokers and Fowler's customers. <p>Furthermore, Fowler will be installing signs along Switch Road and Rama Road to communicate where the entrance to the quarry is in an effort to improve public safety and will be installing a sign at the exit of the quarry to direct trucks to the designated haul route.</p>
9.	<p>Mayor Clarke asked for clarification regarding the Provincial Natural Heritage System mapping and whether the proposed quarry could be permitted since other uses are not.</p>	<p>The existing Fleming quarry and proposed extension are located within the Provincial Natural Heritage System (NHS) but not located within the County of Simcoe or Township of Ramara NHS.</p> <p>The province realized its NHS mapping was flawed; for example within the Township of Ramara, over 96% of the Canadian Shield was mapped as part of the Provincial NHS. This is something the Province is now trying to correct. As such, the Province has proposed an amendment to the Growth Plan which defers the applicable mapping to the existing County and Township NHS mapping until the County implements new mapping in the County Official Plan.</p> <p>Regardless of whether the site is located within or outside of the NHS, the Growth Plan policies permit new aggregate operations and expansions to existing aggregate operations within the NHS. Since the Fleming quarry application is for an extension to an existing quarry, the Growth Plan requires that the application is required to meet the natural heritage policies within the Provincial Policy Statement.</p>

	Resident Comments and Concerns	Response
1.	Rick Cadeau - 7600 Rama Road expressed his concerns with the dust generated by the quarry operations. It has gotten to the point where the enjoyment of his home is being affected. He also expressed his concerns with the intersection at Rama Road and Switch Road and the dangers involved with the traffic.	<p>Mr. Cadeau lives near the intersection of Switch Road and Rama Road. The source of dust around the intersection was due to winter sand on the roads. To assist with the issue, Fowler contacted the County of Simcoe to accelerate the road sweeping. After the road was swept, it is noted that Mr. Cadeau called Fowler noting the improvement. Fowler remains committed to work with Mr. Cadeau to address concerns related to dust.</p> <p>See Fowler letter dated, March 6, 2019 for initiatives that Fowler is undertaking to address concerns regarding truck traffic.</p>
2.	Patti Sanderson - resident of 7332 Glen Ellen Drive has resided in the area since 1995 as a seasonal resident and in 2004 constructed a permanent home on the property. She loves the area and moved to the area permanently for serenity, peace and quiet.	Comment noted. During this time, the existing quarry has been in operation. The expansion is a continuation of the existing use and will not increase activities associated with noise, blasting and truck traffic
3.	<p>Patti Sanderson - resident of 7332 Glen Ellen Drive:</p> <p>The hours of operation are disturbing to the residents being from 6:00 a.m. until 7:00 p.m. Monday to Saturday. How can people enjoy summer in their homes or cottages with the noise being produced from Monday to Saturday.</p>	<p>These are the existing hours of operation for the existing quarry. Prior to 7am, no processing is permitted within the quarry; only shipping is permitted.</p> <p>These are the maximum hours the quarry is permitted to operate. However, the quarry typically does not operate to the full extent of these hours. It is Fowler Construction's general practice to only ship materials and not process materials on Saturdays.</p>
4.	<p>Patti Sanderson - resident of 7332 Glen Ellen Drive:</p> <p>Residents in the area have identified cracks in house foundations, cracks in drywall and well issues as a result of the blasting from the quarry.</p>	All blasts that occur at the Fleming quarry are designed and monitored to meet the limits set by provincial government regulations for noise and vibration. Ontario has some of the most stringent limits for blasting in North America and they are set at a limit to protect structures and wells.
5.	<p>Patti Sanderson - resident of 7332 Glen Ellen Drive:</p> <p>If a dog is terrified of the noise and vibration associated with a blast, what effect does it have on the wildlife in the area.</p>	As documented in the natural environment report the lands surrounding the existing quarry include an abundance of wildlife and co-exist with the on-going quarry operation. The expansion is a continuation of the existing use and will not increase activities associated with noise, blasting and truck traffic.

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6.	<p>Patti Sanderson - resident of 7332 Glen Ellen Drive:</p> <p>There is no need for an expansion to the existing quarry as there is more granite available in northern Ontario away for residential areas.</p>	<p>The Provincial Policy Statement is clear that the demonstration of need is not required. The Province, County of Simcoe and Township of Ramara Official Plan all require that as much aggregate as is realistically possible be made available to supply aggregate needs from close to the consumer.</p> <p>Fowler Construction's Fleming quarry assists in satisfying the close to market policies of the respective planning documents since it is the southern-most source of a high quality aggregate that has been approved by the Ministry of Transportation for use on the 400 series highways as skid-resistant surfacing.</p>
7.	<p>Allen Millard - 7345 Glen Ellen Drive:</p> <p>The strip of land that is part of the buffer area abutting Rama Road, should remain in the Rural zone and should continue to be the required 52 m buffer, not the proposed 30 m buffer.</p>	<p>The standard Aggregate Resources Act setbacks to roads are 30 metres. The existing 52 metre setback is not a required buffer but is in place because of hydro lines that used to traverse the property along Rama Road. The hydro lines are no longer located on-site.</p> <p>The supporting technical studies confirm extraction can occur up to 30 metres from Rama Road and still meet provincial requirements.</p>
8.	<p>Allen Millard - 7345 Glen Ellen Drive:</p> <p>Wells in the area are drilled into the granite and are deep wells. However, there is not a lot of water produced. When discussing this with the hydrogeologist at the Open House, they had no answers and admitted there are fissures in the granite. The residents are supposed to feel reassured that Fowler will take care of any issues with water in the area and wells that have been affected.</p>	<p>The quarry already operates below the water today and there have not been any impacts to surrounding wells.</p> <p>An extensive monitoring and annual reporting program is in place at the quarry and would continue for the extension. Despite the water resources report confirming that wells will not be adversely impacted, the Site Plans include the following well complaint procedure. This will be legal obligation of Fowler and will ensure that all wells in the area are protected:</p> <p style="text-align: center;">IN THE EVENT OF A WELL COMPLAINT FROM SURROUNDING RESIDENTS THE LICENSEE SHALL IMPLEMENT THE FOLLOWING WELL INTERFERENCE COMPLAINT RESPONSE PROCEDURE:</p> <ul style="list-style-type: none"> i. WHEN A COMPLAINT IS RECEIVED BY THE LICENSEE, THE LICENSEE WILL VISIT THE SITE TO MAKE AN INITIAL ASSESSMENT WITHIN THREE DAYS OF RECEIVING THE COMPLAINT; ii. THE INITIAL ASSESSMENT WILL INCLUDE A WELL/SYSTEM INSPECTION (WHERE ACCESSIBLE) BY A LICENSED PUMP MAINTENANCE CONTRACTOR TO DETERMINE THE

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		<p>GROUNDWATER LEVEL, PUMP DEPTH SETTING AND CONDITION OF THE WELL SYSTEM;</p> <p>iii. THE AVAILABLE GROUNDWATER LEVEL DATA FROM THE EXISTING MONITORING PROGRAM AND INFORMATION FROM THE INITIAL ASSESSMENT WILL BE REVIEWED BY A LICENSED PROFESSIONAL HYDROGEOLOGIST/ENGINEER TO DETERMINE IF THE WELL INTERFERENCE COMPLAINT IS ATTRIBUTABLE TO THE QUARRY OPERATION;</p> <p>iv. IF THE WELL INTERFERENCE COMPLAINT IS LIKELY ATTRIBUTABLE TO THE QUARRY AND THE WATER SUPPLY IS AT RISK, THEN A TEMPORARY WATER SUPPLY WILL IMMEDIATELY BE ARRANGED AND A WATER SUPPLY RESTORATION PROGRAM WILL BE IMPLEMENTED AT THE EXPENSE OF THE LICENSEE, SUBJECT TO PERMISSION OF THE LANDOWNER. A WELL RESTORATION PROGRAM WILL OCCUR.</p> <p>Fowler has agreed to do a baseline survey for all wells within one kilometre of the quarry to ensure baseline conditions are established prior to the extension or deepening proceeding.</p>
9.	<p>Allen Millard - 7345 Glen Ellen Drive: The future lake proposed in the rehabilitation plan will not be a safe lake as there will be a vertical wall of possibly 12 m and then the berm on top of that wall. The lake will be an approximate 18 m drop which will be hazardous to both humans and animals in the area.</p>	<p>See response to Council question # 5 above.</p>
10.	<p>Allen Millard - 7345 Glen Ellen Drive: Allowing this will result in a dangerous situation in the future as well as an area that will accumulate additional rainfall, snow and ice, which would flow into the Green River Tributary and could cause extensive flooding.</p>	<p>Currently, the quarry pumps water into the Green River Tributary in accordance with permits from MECP for water quantity and quality. The future conditions have been studied and it has been demonstrated that less water will enter into the system as part of the final rehabilitation while ensuring enough water enters to sustain the ecosystem.</p>

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11.	Dana Tuju, resident of 7383 Davy Drive stated that her family had purchased 7368 Glen Ellen Drive in the 1970's. In 2006 she purchased her property on Davy Drive to be close to the family property. The issues involved with the quarry operations affect everyone.	Ms. Tuju has been in the area since the 1970's and purchased her own house in 2006. During the time, the existing quarry was in operation and is permitted to continue into the future. The expansion is a continuation of the existing use and will not increase activities associated with noise, blasting and truck traffic.
12.	Dana Tuju - 7383 Davy Drive: At the present time there are six different threatened or endangered species in the area. A pair of nesting swans return yearly to the wetland and the female has been identified as one of the tagged swans that has been reintroduced from Wye Marsh.	The six different threatened or endangered species have continued to co-habit with the existing quarry present. Furthermore, the nesting swans continue to return to the wetland each year with the existing quarry operating adjacent to the wetland. The extension will not impact the threatened or endangered species and nesting swan habitats within the wetland. An MNRF biologist has reviewed the application and subject to modifying the amphibian and reptile fencing within the operation area, which Fowler has agreed to do, there are no outstanding issues related to the natural environment.
13.	Dana Tuju - 7383 Davy Drive: In the D4 Assessment prepared by TerraProbe, it was noted that no testing had taken place on site.	The D4 assessment has been peer reviewed by the County and Township. Both reviewers agree the extension will not impact the closed landfill.
14.	Dana Tuju - 7383 Davy Drive: The blast that occurred on April 17, 2018 greatly affected the wildlife in the area. Hibernating frogs came out of hibernation, which was too early, thinking the blasting was in fact a spring thunder storm. Many of the frogs died as they were unable to survive as there was still ice on the lake.	Amphibian emergence from hibernation is driven by temperature, with warm weather triggering individuals to emerge from hibernation. It is not uncommon for some species of amphibians to emerge from hibernation while ice is still on lakes and ponds. Early spring mortality of recently hibernating amphibians is typically the result of fluctuations in temperatures. Given the history of quarry activities at this site, the fact that the local frog population has become adapted to years of blasting, and the ecology of amphibian hibernation, it is unlikely that blasting activities would have resulted in the early emergence of amphibians in this location.
15.	Ron Fry - 7324 Glen Ellen Drive: Blasting has occurred during spring months, in April and at the beginning of May, which is spawning season.	We would like to provide clarification regarding blasting in the spring and during spawning season. The Blasting Impact Analysis Report states spawning time for the identified fish species in the adjacent watercourses occurs between March 15 and July 15 each year. Blasting is permitted during spawning season, however all blasts must be monitored to meet a vibration limit of 13mm/s at the spawning bed to ensure compliance with DFO limits for ground vibration.

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16.	<p>Ron Fry - 7324 Glen Ellen Drive: The Township of Ramara has a Strategic Plan in place that includes priorities relating to the quality of life of residents as well as impacts on the environment. The quarry has and continues to affect the quality of life of residents in the area and continues to be detrimental to the country setting.</p>	<p>The Township of Ramara Strategic Plan for 2017-2022 includes six strategic priority areas. Two of these areas include supporting economic and tourism development, and protecting significant natural heritage features.</p> <p>Fowler's Fleming quarry will support economic development in the area through jobs, availability of product to individuals and companies within the area, and additional tax revenue to the Township.</p> <p>The existing quarry and proposed extension have been planned and designed to not impact the surrounding natural environment during the life of the operation. The proposed rehabilitation plan will allow for an increased natural area for wildlife.</p> <p>While it is important to take the Township's Strategic Plan into consideration, the application is required to conform to the governing Official Plans and be consistent with the Provincial Policy Statement. Section 4.4 of the County of Simcoe Official Plan states:</p> <p style="padding-left: 40px;">“...when considering Section 4.4 Aggregate Developments ... applications for proposed new and/or expansions to existing mineral aggregate operations are to be supported by studies that are based on predictable, measurable, objective effects on people and the environment, and evaluated in accordance with Provincial policy, Provincial standards, regulations and guidelines and if approved under the Aggregate Resources Act, will operate under a site-specific license/permit and according to site plan provisions.”</p> <p>The supporting technical studies have demonstrated that the proposed quarry extension will meet the tests of Section 4.4 of the County of Simcoe Official Plan. Furthermore, the site plans have incorporated the required recommendations from the technical studies to ensure the site operates in accordance with Provincial policy, Provincial standards, regulations and guidelines.</p>
17.	<p>Ron Fry - 7324 Glen Ellen Drive: One well has already been affected by quarrying operations and Fowler is delivering water to the owners. If there were new owners on the</p>	<p>No wells have been affected by the quarry, and Fowler is not delivering any water to any residents. Also see response to Resident comment # 8.</p>

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	property, would the requirement to provide water continue?	
18.	Joan Mizzi-Fry - 7324 Glen Ellen Drive: This would be a substantial loss to municipalities in tax revenue. Quarry operations do not bring significant revenue directly to the Township of Ramara through such things as gas, food, etc.	<p>The existing quarry property located at 3230 Switch Road is classified as industrial and is currently taxed at a rate of 2.446356%. Of that the municipal share is 0.695109%.</p> <p>The proposed extension property located at 7723 Rama Road is currently classified as rural and is taxed at a rate of 0.936687%. Of that the municipal share is 0.481668%. The extension property's taxes would increase to 2.446356% (same as the existing quarry property's taxes) when in operation.</p> <p>Furthermore all aggregate operations are required to pay an aggregate levy of 19.8 cents per tonne, of which 12 cents per tonne goes to the municipality.</p> <p>The proposed extension represents an increase in tax revenue for the Township of Ramara and County of Simcoe.</p>
19.	Joan Mizzi-Fry - 7324 Glen Ellen Drive: Furthermore, concerns were expressed relating to property values and equity in existing homes.	<p>Property values are affected by a wide range of variable factors (e.g. economic conditions, investment/ maintenance of property, supply/ demand of property etc.). Property value is not a factor used to judge the acceptability or appropriateness of a land use.</p> <p>To protect surrounding properties from a use that is planned for and anticipated to occur, the operation has been designed with the appropriate mitigation measures and operational controls to protect the surrounding residents from adverse impact.</p> <p>Fowler is responsible to ensure the proposed quarry operation does not result in adverse impacts on surrounding properties and their use. Accordingly, the design of the quarry operation incorporates measures to mitigate impacts related to noise, air quality, and water quantity/quality in order to achieve Provincial Standards and Guidelines established by the Ministry of the Environment, Conservation and Parks. These measures include, amongst other techniques, restrictions on extraction equipment, and mandatory dust control.</p> <p>These measures have been incorporated into the site plan, thereby becoming legally binding on the licensee and ensuring the quarry will be operated and</p>

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		<p>impacts controlled so that use and enjoyment of properties is not unreasonably affected. The proposed operation is well planned and designed, and will be managed and controlled to mitigate off-site impacts.</p>
20.	<p>Andy Doudoumis - 7390 Glen Ellen Drive stated that most residents in the area are opposed to the quarry expansion. He asked if there is to be more production due to the request for a reduced setback and because of the increase in depth, how much more years will be added to the quarry.</p>	<p>The expansion is a continuation of the existing use and will not increase activities associated with noise, blasting and truck traffic.</p> <p>The maximum tonnage that is permitted to be shipped from the Fleming quarry is 300,000 tonnes per year. This will not change as a result of the extension or the application to deepen or modify the extraction limits at the existing quarry.</p> <p>Typically, the quarry does not ship the maximum limit per year and shipping volumes vary year by year based on demand. To provide an estimate on how many years the quarry will be in operation, Fowler has assumed 200,000 tonnes will be shipped annually however this number could vary, which will ultimately affect the total years of operation.</p> <p>Based on reserve estimates and anticipated production of 200,000 tonnes per year Fowler expects there is approximately 20 years of extraction remaining in the existing quarry based on existing approvals. The proposed site plan amendment to deepen the existing quarry, eliminate the northern setback and change the western extraction limit to 30 m would add 22 years to the existing quarry. The proposed extension would add another 32 years of extraction.</p>
21.	<p>Dan McMillan, owner of 3500 Switch Road Dan McMillan's son owns 3463 Switch Road.</p> <p>Asked if the number of trucks quoted was 7 trucks per day as he is aware that there is granite being stock piled in the Woods Quarry from the Fleming Quarry, which would increase the truck traffic. He asked if the quarry expansion would affect his son's lot and the ability to build a home on it.</p>	<p>The Traffic Impact Analysis assessed 7 inbound and 11 outbound truck trips during a peak hour based on the maximum tonnage limit permitted per year. Based on comments from the Township peer reviewer, a further analysis was completed and the updated report assessed 9 inbound and 14 outbound truck trips during a peak hour. The assessment concluded that the road network has sufficient capacity to accommodate the existing and continued traffic from the extension.</p> <p>Materials that are transported from the Fleming quarry to the Woods quarry are the fine materials that are removed from the Fleming quarry wash ponds. These materials are transported to the Woods quarry to accelerate rehabilitation activities at that site. If the Fleming quarry extension is approved, all materials removed from the wash ponds will remain on site to complete the proposed rehabilitation plan for the Fleming quarry, and thereby will not contribute to any additional truck traffic.</p>

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		<p>The property at 3463 Switch Road is zoned Rural as per the Township of Ramara Zoning By-law 2005.85. The proposed extension to the quarry would not impact any abilities to develop the property for a single family home.</p>
22.	<p>Terry Rockall, resident of 7293 Glen Ellen Drive advised that he owns the wetland directly across from the pit. He has noticed that the wetlands are drying up more frequently and there is a film of dust on everything.</p>	<p>It is unlikely that the operation of the existing Fleming Quarry is adversely affecting the water levels in the wetland at 7293 Glen Ellen Drive from a hydrogeological (groundwater) and a hydrological (surface water) perspective for the following reasons:</p> <ul style="list-style-type: none"> - From a surface water catchment perspective, the wetland at 7293 Glen Ellen Drive is in a different catchment than the existing Fleming Quarry and therefore, from a surface water balance perspective, the wetland would not be affected by the current operation of the Fleming Quarry. - Similar wetland features perched on the low permeability granitic bedrock to the east and northeast of the existing Fleming Quarry are closer to the Fleming Quarry property than the wetland at 7293 Glen Ellen Drive and ongoing monitoring shows that these closer wetlands have not been affected by ongoing quarry operations; - Based on the calibrated groundwater model for the existing Fleming Quarry under current conditions, the simulated groundwater level drawdown (based on the 1 m contour) does not extend to the west of the Rama Road; and, - There are typically periods of years in which wetlands may be drawn down farther than in other periods, and wetlands are adapted to periodic draw-downs and dry periods. - Based on the drilling program conducted in the vicinity of the Fleming Quarry, it has been demonstrated that surface water features are typically underlain by a layer of lower permeability silty clay which provides a hydraulic barrier between the surface water feature and the underlying bedrock, thus minimizing the potential for leakage of water from the surface water feature/wetland to the bedrock as a result of groundwater level lowering (if present) due to quarry operations. It is interpreted that the water within the surface water features is separated by clay material, and there is minimal connection between the surface water features and the underlying shallow bedrock. Overall, the local

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		<p>water features are underlain by lower permeability silty clay and bedrock and are primarily surface water fed with limited groundwater input;</p> <p>Regarding dust, a number of activities common to rural areas, and dry summer weather patterns contribute to the spread of dust across the rural environment. The Fleming quarry is required to mitigate dust on-site and will continue to work hard to monitor and mitigate dust levels from within the quarry.</p>
23.	<p>Sheila Fowler, resident of 3170 Switch Road stated she had lived on her property for 25 years and has been putting up with the issues from the quarry for a long time. She felt that Fowler should take responsibility for the issues the quarry is causing. The blasting has caused deep cracks in her foundation</p>	<p>Fowler Construction took possession of the quarry in 2011 and their records show Ms. Sheila Fowler has never called Fowler Construction with a complaint.</p> <p>Ms. Sheila Fowler's property is located directly adjacent to the existing rail line and her dwelling is approximately one kilometre away from the closest point of extraction. Dwellings within the Floral Park Community are considerably closer to the quarry activity. Calculations from the blasting consultant based on a number of previous blasts at the quarry estimate the vibration levels at Ms. Fowler's house to be lower than 3mm/s which are well below Provincial Standards.</p> <p>Also see response to Resident comment # 4.</p>
24.	<p>Bill Williams, resident of 7158 Beach Drive asked where Fowler Construction will relocate to once the quarry has been quarried out.</p>	<p>This is a difficult question for the company to answer. Currently the company is working on the proposed extension to the Fleming quarry which will provide 54 additional years to the operation if the extension and deepening is approved. At this time, the company has no further expansion plans however the company has interests in ensuring a long term supply from this important geological deposit that is strategically located close to market and major transportation routes.</p>