

Aggregate Industries **2022 Permit Renewal** **Waterloo Township**



Contents

Description & Background.....	1
Regulation	1
Procedure.....	1
Renewal Application Materials for Special Land Use Permit.....	1
2021 Motion to Approve	1
Nonconformity	2
Site Inspection.....	2
Specific Operating Requirements (Section 9)	2
§9.01 Setbacks	2
§9.02 Building Line for Operation Structures	3
§9.03 Access	3
§9.04 Gates and Fences	3
§9.05 Signs.....	3
§9.06 Noise, Vibration and Air Pollution.....	3
§9.07 Pollution of Waters	3
§9.08 Natural Drainage	4
§9.09 Access Roads.....	4
§9.10 Slopes.....	4
§9.11 Elevation of Plant Site	4
§9.12 Stockpiles, Overburden and Equipment.....	5
§9.13 Water and Sewage Disposal	5
§9.14 Survey Markers	5
§9.15 Standards	5
Landscaping (Section 13)	5
Restoration (Section 14)	5
Restoration and Closure (Section 15).....	5
Financial Guarantee and Indemnity Insurance (Section 8).....	5
Summary	6
Conclusions.....	7

Appendices

Appendix A:	Site Inspection Report
Appendix B:	Site Photos
Appendix C:	Bond Calculation
Appendix D:	2021 Board Meeting Minutes
Appendix E:	Pit Floor Survey

Description & Background

For several years Aggregate Industries has performed an extensive sand and gravel extraction operation near the intersection of Green Road and Loveland Road. On an annual basis, Waterloo Township requires that the applicant submits an operating permit renewal application for these activities. On June 23rd, 2021, Waterloo Township approved the annual operating permit renewal application. The expiration date of the current operating permit is July 1st, 2022.

In December 2020, Aggregate Industries provided a new special land use permit application in accordance with provisions of Waterloo Township's Sand & Gravel Ordinance No. 02-05-21-2. The scope of work associated with the special land use permit is to expand existing sand and gravel extraction operation by mining Green Road which consists of State and County owned lands. The applicant has estimated the expansion to consist of 17.78 acres of land, 14.57 of which is state land, and the remainder is the Green Road public right-of-way. Resolution No. 2021-03-23-1 was adopted in March 2021 to approve this special land use permit.

The report will focus on the tangible aspects of the operating permit renewal application for 2022 and will conclude with a series of recommendations. It is our plan to attend the Extraction Committee meeting to personally present this report.

Regulation

Waterloo Township Ordinance #02-05-21-2, Sand & Gravel Extraction Ordinance, gives the Township authority to regulate extraction operations. The ordinance requirements include an annual renewal report/permit (\$4.04), field inspection (\$4.05), operational requirements (§9.01 – § 9.15), landscaping specifications (§13.01 – §13.04), restoration plan details (§14.01), financial guarantee (§8.01), and indemnity insurance (§8.03) along with other permits from outside regulatory agencies (\$7.01).

Procedure

The operating permit renewal process is initiated by the operator filing the annual permit renewal application with the Township. Submission of the permit application sparks a review, site inspection, and drafting of the annual engineering report. Upon submission of the engineering report, the Township Extraction Committee then reviews the application materials as well as the engineering report. After careful review of the application, the Extraction Committee issues a recommendation to the Township Board. Should the applicant fall out of compliance with the Township Ordinance, corrections must be made prior to the expiration of the current permit. Permit renewal is dependent upon the operation's compliance to Township Ordinance. Upon receipt of a recommendation from the Extraction Committee, the Township Board ultimately decides the fate of the application.

Included in this report is detailed background site information, the field inspection report, current photographs taken at the time of inspection, identification of noncompliant items (if any), and final recommendations.

Renewal Application Materials for Special Land Use Permit

Fifteen copies of the following materials were received by Waterloo Township on May 12, 2022:

- Operating permit application dated May 12, 2022 & Signed by Rob Hayes.
- Annual Renewal Report dated May 12, 2022 & Signed by Rob Hayes.

A renewal fee and special land use permit fee schedule shall be determined by the Township.

2021 Motion to Approve

The full motion can be found in Appendix D of this report.

It is worth noting that last year's motion to approve required that the Cells 1-4 be fully restored by the end of calendar year 2020. Inspection and review of the permit applications confirms that initial efforts

There are 22 conditions that were to be met under the motion of approval. The list of such conditions can be found in the June 22, 2021 Waterloo Township Board Meeting Minutes attached in Appendix D. According to the 2022 Operating Permit Renewal Application and Annual Renewal Report, dated May 12, 2022, it appears all conditions continue to be met.

There are currently no outstanding activities occurring that are in noncompliance with the Operations and Special Land Use Permits.

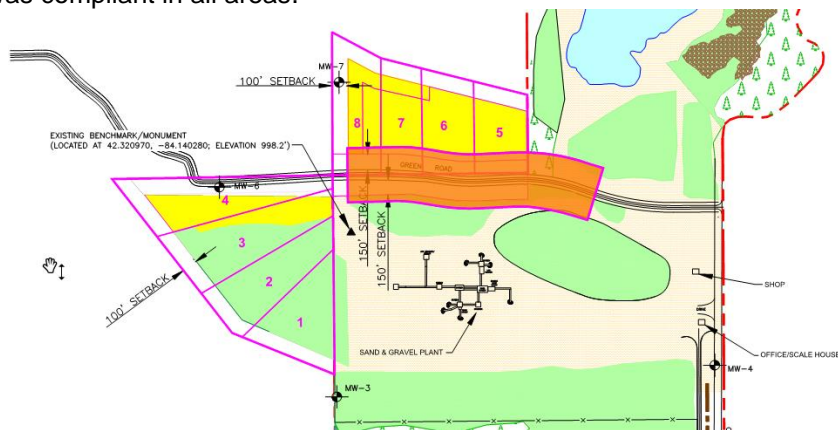
The site inspection took place on May 18th, 2022. For the complete site inspection report please refer to Appendix A of this report. Throughout the site inspection 25 photos were taken, some of them can be found in Appendix B. Photos not shown in this report are on file with the Township Engineer and can be made available upon request.

The security fence surrounding the perimeter of the sand and gravel extraction site appeared to be in good condition. Several “No Trespassing Signs” were posted at either end of Green Road.

Overall, the site appeared to be well-organized and safe.

Specific Operating Requirements (Section 9)

All setbacks appeared to be properly delineated throughout the mining. Aggregate Industries uses blue paint on mature trees to serve as setback markers for excavation limits. The property limits are marked in red paint on mature trees. For this extraction site, the excavation limits and ROW limits are the same for the Green Road Site. After close observation during the site inspection, the applicant was compliant in all areas.



2_824910 Agg Industries 2022 Plan Review

Based on field observations and the most recent topographical survey that was provided, the applicant is compliant with SECTION 9.01 – Setbacks as stated in the Waterloo Township Sand & Gravel Extraction Ordinance.

Setback requirements call for all stockpiles to be centrally located in the pit floor. This was observed to be the case during the site inspection. The applicant had several signs posted allowing for safe passage of trucks on all haul routes on site.

§9.02 Building Line for Operation Structures

The requirement for the building line for operational structures calls for a 500-foot distance to be maintained between all processing equipment and the exterior property line. After visual inspecting the distances, the main plant is over 1300 feet away from the nearest exterior property line. The conveyor was visually inspected and found to be over 500-feet from the nearest perimeter property line.

§9.03 Access

All entrances to the site were properly secured and gated. The applicant has signage posted in frequent intervals around the perimeter along the security fence.

The paved main access is gated and properly signed. This entrance has not changed for years and there are no proposed changes.

The entrance into the site north of Green Rd. was closed for operations on this date.

§9.04 Gates and Fences

The site is properly locked during non-business hours. At the time of the visit the site on the north side of Green Rd. was not active and the gate was locked. At the end of every workday, the main entrance and on the north side of Green Rd. are locked to prevent the public from entering the site.

Please note that the Green Road extraction operation must be entirely secured throughout the duration.

§9.05 Signs

The “Danger – No Trespassing” signs posted at frequent intervals along the security fence were observed to be in great shape. Photos of this observation can be found in Appendix B and on file with the Township Engineer.

§9.06 Noise, Vibration and Air Pollution

No violation of noise, vibration or air pollution were documented through the 2021 operations. The processing plant location is significantly lower in elevation relative to surrounding property grades. With the elevation being lower than the surrounding grades the applicant has been able to minimize environmental impacts.

§9.07 Pollution of Waters

Annual inspection of waters nearby the extraction operation revealed no signs of impacts to surface or subsurface waters. The subject bodies of water include Pond Lily Lake, Clear Lake and the on-site Freshwater Lake. According to Fishbeck’s monthly hydrogeological data, the subject bodies of water remain within their normal historical seasonal levels. Fishbeck’s monthly hydrogeological data can be found within the Aggregate Industries Annual Report.

For several years Aggregate Industries has utilized a closed loop system providing water to the mining operation. From Freshwater Lake, the applicant pumps water to the process plant to be

used for processing. After the water is used it is collected and returned to the settling ponds near Freshwater Lake. This recycling of process water keeps Freshwater Lake clean and produces no off-site impacts.

§9.08 Natural Drainage

The site inspection did not reveal any drainage impacts to surrounding properties. In 2021, the Township received no complaints concerning drainage or erosion. There are several natural runoff ponds that collect storm water in Cell 4.

§9.09 Access Roads

It is required that the applicant treats all access roads to minimize dust creation. The main entrance to the plant has 3,000 feet of paved surface which allows for the removal of nearly all mud and debris on the haulers before they reach Loveland Rd. The applicant has been diligent about maintaining this haul road.

§9.10 Slopes

For several years, Aggregate Industries has used the same method of procedure for reclamation of previously mined slopes. The applicant has used stripped overburden material to reclaim areas that have been recently mined. This minimizes labor and maintenance costs as the operator handles the material only once. In 2020, Cells 1 and 2 were surveyed in the summer and again in December to assure the applicant was compliant with the maximum slope requirements. All measurements recorded in these areas reflected less than a three (3) to one (1) foot slope. Cell 3 and 4 restoration appeared to be ongoing at the time of inspection. Photos of these areas can be found in Appendix B.

As of the 2021 inspection, no additional slopes have been restored therefore the initial slopes that were restored in 2020 are still in compliance.

The proposed Green Road extraction reflects restored slopes that are compliant with the Waterloo Township Sand and Gravel Extraction Ordinance.

§9.11 Elevation of Plant Site

In the effort of minimizing environmental impacts in the area, the plant was planned to be at a significantly lower elevation relative to surrounding areas. The pit floor near the processing plant has an elevation of approximately 1,002 feet. The elevations of Green Rd are 25 feet higher than the pit floor on average. Loveland Rd was discovered to be approximately 20 feet higher in elevation relative to the pit floor.

During the site inspection the pit floor benchmark was observed as the applicant was able to identify and expose the marker as requested. The benchmark was established on a concrete cookie to create vertical control. The concrete cookie is currently marked with 1" PVC pipe with torn reflective vest strands tied to it. While the pit floor slopes down to the north, the applicant's drawing from 2013 shows that the groundwater table also slopes down to the north. The applicant is required to maintain a 10-foot cover from the groundwater table to the benchmark elevation established on the pit floor concrete cookie. Prior to the site inspection, a flyover inspection was performed by Matt Breuer of Lafarge. Observations from this survey are documented in Appendix E. According to the Groundwater Elevation Contour Map, dated December 12, 2012, the applicant has sustained the minimum 10' buffer requirement between the groundwater table and the pit floor elevation. Recorded field measurements of the pit floor elevations ranged from 991.19 to 993.28. The Groundwater Elevation Contour Map shows the groundwater table at 978' through the pit floor where the field measurements were recorded.

The Green Road Extraction area plans submitted on 11/10/2020 by Fishbeck Engineers, the low point of the new Green Road is shown as 993.75, with 12" of 21AA as the road surface, meaning the limit of excavation should be 992.75. Points A, B, D, and E are all below the planned excavation limit. Point E is approximately 19" below the planned grade.

§9.12 Stockpiles, Overburden and Equipment

All stockpiles and equipment locations must remain at least 200 feet from property lines. During the inspection overburden stockpiles were observed to be a minimum of 200 feet from property lines.

§9.13 Water and Sewage Disposal

No water and sewer services are available so portable toilets are in place for employee use.

§9.14 Survey Markers

The property line was lined with security fence around the sand and gravel extraction site. The applicant continues to use mature trees marked in paint to delineate the property line and the setback line. The property line identified by red paint. The 100-foot setback is marked with blue paint. Survey marker intervals did not exceed 350 feet which is compliant with Township requirements.

§9.15 Standards

The inspection revealed that the operation was in conformity with the information submitted in the 2022 permit renewal application.

Landscaping (Section 13)

The MDNR-approved Landscape Plan included with the Green Road Special Land Use Permit Application is dated August 29th, 2012. Changes to the Landscape Plan have taken place between the MDNR and Aggregate Industries. With Green Rd. being considered a natural beauty route, it is paramount that landscaping is planned and executed to the satisfaction of the Michigan Department of Natural Resources and Waterloo Township. Any variances from an approved Landscape Plan must be documented and reported to MDNR and Waterloo Township for review.

Restoration (Section 14)

By inspection, restoration measures have been completed in Cells 1-4, and the Northern edge of Cells 5-8. MDNR has completed their planting of oak saplings in Cells 1-4. Some areas of Cell 4 will need to be reseeded as heavy rain events caused some washout.

Restoration and Closure (Section 15)

This section was recently added to the Waterloo Township Sand & Gravel Ordinance and is intended to protect the Township in the case of an operation going dormant. This section outlines the requirement of an Extractive Operations Closure Plan which includes, but is not limited to removal of structures, restoration plan, closure plan and final operations summary.

Financial Guarantee and Indemnity Insurance (Section 8)

A financial guarantee assuring restoration of all disturbed areas associated with the extraction operation is required to be posted with the Township. This bond has been in effect since May 21, 2013 and names Waterloo Township as the Obligee. The existing bond on file should have the following terms as per the Township's motion to approve:

The proposed Green Road Extraction requires an adjustment to the current reclamation surety bond. Calculations for this adjustment can be found in Appendix C of this report. It is recommended that the surety bond is increased to \$962,000.

If restoration consisting of slope restoration, top soiling, seeding and mulching is not completed, the bond assures the Township can hire a contractor to perform the work, so the site will comply with the ordinance. Covering the costs to complete mining of the reserves is not the intent of the bond and the bond amount is not based on the owner's cost of restoration but rather the Township's cost.

A copy of the current bond should be provided as part of the application process. This was not included in this application.

Section 8.03 further stipulates: "The applicant shall provide a liability insurance policy underwritten by a provider licensed in the State of Michigan to cover property damage for surface and/or subsurface occurrences and bodily injury in an amount not less than \$4,000,000.00 per occurrence, in any combination of primary and umbrella coverage", past policies have provided \$5,000,000.00 of coverage per occurrence. A copy of the current insurances in effect should also be provided as part of the application.

Summary

After careful review and inspection, the site and extraction operations continue to be in substantial conformance with requirements outlined in the Waterloo Township Sand & Gravel Ordinance. Prior to giving a recommendation to the Township Board, the Screening Committee should complete their review of all pertinent materials. The applicant should confirm or address the following items:

- 1) The applicant must continue to be mindful of setback markers and avoid over-excavation. These setback markers must always be readily visible and honored during extraction operations. Maintaining clear and frequent setback markers is crucial. The setback markers should be visible to all equipment operators. The applicant should survey the pit floor bottom's regularly to conform with the excavation limits. Current survey shots show that 4 out of 5 survey locations are below the planned excavation limits.

- 2) Continue to honor the hours of operation as follows:

	Operations	Load & Transport	Repair
Mon – Fri	7:00 am – 7:00 p.m.	7:00 am – 6:00 p.m.	6:00 am – 9:00 p.m.
Sat	7:00 am – 1:00 p.m.	7:00 am – 1:00 p.m.	6:30 am – 5:00 p.m.

- 3) The applicant should continue to work closely with the Michigan Department of Natural Resources in properly restoring the site.
- 4) Prior to permit renewal, the applicant shall confirm all insurance requirements have been met and are up to date. Copies of current insurances should always be provided when renewing the Township permit.
- 5) The applicant should continue to closely monitor disturbed areas subject to erosion. All overburden stockpiles should be planted with grass or seedlings to minimize instability. The applicant has proven to be diligent with their slope erosion control measures.
- 6) Continue to be attentive to all haul roads and treat them frequently to avoid environmental impacts.
- 7) The applicant should provide updated phasing plan for extraction operations.

Conclusions

Through many years of recent extraction operations, the applicant has generally been compliant with regulations outlined in the Waterloo Township Sand & Gravel Extraction Ordinance. Prior to granting permit renewal for the upcoming operating season, the applicant must address the items mentioned in the above comments to the satisfaction of the Waterloo Township Screening Committee and the Township Board.

It is our understanding that the applicant will continue to monitor the groundwater and surface water elevations with the Township performing quarterly reviews. Reviews in 2021 revealed no issues with the groundwater conditions. Should groundwater irregularities occur, immediate action must be taken by the applicant for mitigation.

In the coming year, the Township will inspect the operation regularly unless complaints are received calling for further investigation.

We plan to attend the upcoming Extraction Committee meeting to personally present this report and answer questions. Should you have any questions regarding this report please contact Bruce Pindzia or Shane Peterson at your convenience.

Sincerely,

FLEIS & VANDENBRINK



Bruce Pindzia, P.E.
Township Engineer



Shane Peterson, P.E.
Township Engineer Assistant

cc: Brian Gasiorowski, Aggregate Industries
Rob Hayes, Aggregate Industries
Waterloo Township Extraction Committee
Waterloo Township Board

APPENDIX A

Aggregate Industries, Inc.

Chelsea Plant, Waterloo Township

Site Inspection Report

Location: Chelsea Plant – Northwest corner of the intersection of Harvey Road and Loveland Road, Waterloo Township, Jackson County.

Date: Wednesday, May 18, 2022

Weather: Cloudy/Rainy and 55 degrees Fahrenheit

Site Conditions: Conditions were dry with on and off light rain during the time of inspection.

Site Inspector: Shane Peterson and Cameron Wirth

Arrived at the site at 10:15 AM and checked in with the Aggregate Industries staff at the scale house.

Todd Yetzke and Beth Minterfering were present and went through a thorough safety expectations and protocols. Todd Yetzke also briefed us on 2022 operations thus far and the discussed the progress Green Road extraction operation. To date, they have mined approximately 127,405 tons of material at the Green Road extraction site this year, totaling approximately 427,405 at the Green Road site total. Green Road is currently out of service, and proper Type III Barricades are in place to block off traffic. A significant stretch of the Green Road surface has been removed.

At the time of inspection, the truck traffic was minimal. All present truck traffic appeared to be following the designated route which has proven to be clear and safe.

The silos and conveyors of the old Doan concrete batch plant have been removed.

Todd Yetzke explained that Matt Breuer with Aggregate Industries has been monitoring the pit floor elevations and will provide the Township Engineer with elevation shots. The latest survey elevations of the pit floor as of April 29, 2022 are as follows:

- Point A: 992.68
- Point B: 991.65
- Point C: 993.28
- Point D: 991.71
- Point E: 991.19

The above point elevations correspond to the points in the attached document that was provided by Daniel Klimmek. According to the drawings submitted on 11/10/2020 by Fishbeck Engineers, the Green Road low point elevation on the road surface is 993.75. The proposed road cross section shows 12" of 21AA as the road surface. The planned limit of excavation should therefore be 992.75. Points A, B, D, and E are all below the planned excavation limit. Point E is approximately 19" below the planned grade.

On the south side of Green Road, material stockpiles have surrounded the conveyors and processing plant. Cells 1 through 3 have been final graded and vegetation has been established. Oak saplings that were planted in previous years by the MDNR appeared to be surviving. Runoff was ponding in two low areas intentionally graded for this purpose. Erosion was observed on the north-western edge of Cell 3, as previously reported. Photos of this erosion are included in this report.

Upon completing inspection of the south side Green Road, the inspection proceeded to evaluate the north side of Green Road. On the north side of Green Road, finish grade appeared to be established on most of the pit floor. Vegetation has begun to establish on the slopes of the pit north of Green Road. In a prior

inspection, the slopes of Cells 1-3 were recorded to assure the restored slope was compliant with Township requirements. It is expected that excavation will continue from south to north through Green Road.

Pertinent photographs of these observations are attached to this report for reference. The complete library of 15 photographs is on file with Fleis & VandenBrink.

APPENDIX B



Oak saplings and vegetation looking west at NW Corner of Cell 3.



Natural runoff ponding areas. Erosion can be seen in the NW Corner of Cell 3.



Processing Plant, conveyors, and surrounding stockpiles.



Looking north at Green Road area.



Green Road facing west.



Vegetation establishing north of Green Road.



Location of old Doan Ready – mix concrete plant.

APPENDIX C

Location	Task	Quantity	Unit	Unit Cost	Extension
Disturbed Area	Restoration	170	Acres	\$ 3,500.00	\$ 595,000.00
Haul Road	Removal	6200	Syd	\$ 5.00	\$ 31,000.00
Haul Road	Top Soil, Seed, Mulch	6200	Syd	\$ 3.00	\$ 19,000.00
Disturbed Area	Land Balancing	13	Acres	\$ 12,000.00	\$ 156,000.00
Green Road Extraction	Restoration	17.78	Acres	\$ 3,500.00	\$ 62,230.00
Plant, Scale, Equipment Removal Costs					\$ 66,000.00
Total Restoration Cost of Project					\$ 929,300.00*

* Quantities are same as 2021. Using a 3.5% inflation factor, it is recommended the bond amount get increased to \$962,000.

APPENDIX D

22 June 2021 7:00 P.M.

9773 Mt. Hope Road

Munith, MI 49259

Call to Order and Pledge: 7:00 p.m.

Present: Lance, Morency, Walz, McAlister, Kitley, and 9 residents. Also attending: Jackson County Sheriff Deputy Jim Moore.

Public Comment: Richardson talked about the bills that are being voted on in Senate and House regarding our governance of gravel pits and short-term rentals. He has encouraged people to contact their representatives to address these bills **# 429 Gravel Bill is now in the House and HB 4722 Short-Term Rentals is being voted on.** As a township, we do not want to lose our rights to govern these processes.

Consent Agenda: Kitley motioned with support from Walz to accept the consent agenda as presented. Aye/all; no/none. Motion carried. Kitley motioned with support from Morency to pay the bills as listed on the Post Audit report in the amount of \$600. Roll call vote: Yes/ Walz, Kitley, Lance, Morency, McAlister. No/none. Motion carried. There was a police report for May given by Deputy Moore. Deputies assigned to Waterloo Township responded to 31 complaints, 19 traffic stops. Michigan State Police responded to 22 calls for service. Deputy Moore is trying to meet with local business owners to introduce himself.

Correspondence: None

Special Order: Aggregate Industries Permit Renewal: Rob Hayes and Matt Brewer gave a report on progress at the extraction site. In 2020 they extracted 422 thousand tons of material. Lance motioned with support from McAlister to approved the Aggregate Industries permit renewal for 1 year with the following conditions:

1. The new permit will apply to the parcel containing the site plant, the two parcels added in 2013 as 'phase I' and 'phase II', the two parcels north of Green road containing the Freshwater Lake, and the recently approved Green Road property. Additional parcel info available below:
 - a. Phase I – 28.67 acres +/-, south of Green Road
 - b. Phase II – 21.56 acres +/-, north of Green Road
 - c. Green Road and the adjacent setback area – approximately 17.79 acres
 - d. Parcel #s involved in this permit:
 - i. 10-12-200-001-01 (site plant and reclaimed DNR area – DNR owned)
 - ii. 10-01-426-001-00 (parcel containing north end of freshwater lake – State owned)
 - iii. 10-01-476-001-00 (parcel containing south end of freshwater lake – State owned)
 - iv. 10-12-200-001-02 (Doan Concrete – DNR owned)
 - v. 10-12-100-001-00 (phase I is in this parcel – MDNR owned)
 - vi. 10-01-451-001-00 (phase II is in this parcel – MDNR owned)
2. This permit will be valid until 7/1/2022.
3. All requirements and conditions imposed by the Planning Commission in its recommendation of approval to the Board in April 2013, for the special use permit for phases I & II, as amended, resolution # R-13-11-20-1 continue to be met.
4. All requirements and conditions imposed by the Planning Commission in its recommendation of approval to the Board on March 16th 2021, for the special use permit for the Green Road project, as amended, resolution # 2021-03-16-01 continue to be met.
5. All requirements and conditions imposed by the Township Board in its resolution # 2021-03-23-1 for the Green Road project, as amended, continue to be met.
6. Aggregate Industries is to comply at a minimum with all provisions of the Waterloo Township Zoning Ordinance and Sand and Gravel Extraction Ordinance as amended.
7. All haul routes remain at existing locations (as of November 20th, 2013).
8. All processing plants and stockpile locations shall remain at their existing locations.
9. Any 'primary feeders' installed to sort material for the conveyor will be located at a low level and very near to a mining face in order to minimize any noise levels coming from the unit.
10. Monitoring of wells 2, 3, 4, 5, 6, 7, the freshwater lake, Pond Lilly, and Clear Lake all continue on a monthly basis.

11. Aggregate Industries will send quarterly well monitoring updates to the Waterloo Township Engineer so that the well monitoring sites can be closely followed. If necessary, the Township Engineer will contact the Township board and Aggregate Industries in order to discuss any concerning levels and take appropriate action.
12. Regular inspections will be made by the township engineer for at least the purpose of monitoring the extraction depth to ensure that it is maintained at a level at least 10 feet higher than the water table (as projected by the frc&h 2012 report).
13. Any changes to the signed copy of the lease agreement between Aggregate Industries and the DNR must be communicated to the township for review.
14. Reclamation activity is carried out according to the document provided to Waterloo Township by Aggregate Industries on December 6th, 2013, entitled "The Reclamation Plan".
15. Any changes to the reclamation plan are to be communicated to the township, as outlined in the Township Sand & Gravel Extraction Ordinance, as amended.
16. No water will be discharged offsite by the operation.
17. The existing Reclamation Surety Bond #929570818 shall remain in effect, with the following details:
 - i. The "penal sum" in the first paragraph remains Nine Hundred Sixty Thousand \$960,000.00).
 - ii. The amount required to "reimburse the Obligee for costs and reasonable expenses and fees", in the last paragraph on page one, shall remain One Hundred Thousand Dollars (\$100,000.00)
 - iii. In the second paragraph, the "effective" date should be June 17, 2013, and the "Renewal" date should be July 23, 2020, and amended date of February 23, 2021 to include the mining of Green Road, its right of ways and setbacks.
 - iv. The "aggregate liability" under the first paragraph on the second page shall remain One Million Sixty Thousand 1,060,000.00).
18. Waterloo Township must be sent a notice of intent to cancel the insurance policy not less than twenty (20) days before the cancellation thereof. Failure of the operator, or any persons, firm or corporation named in the policy to maintain the insurance shall be cause for immediate cessation of operations.
19. Aggregate Industries will maintain with Waterloo Township a \$20,000.00 replenishable escrow account in which the township can withdraw applicable funds. This account shall be replenished upon notification from Waterloo Township once the balance drops to \$5000.00.
20. *Community Benefit Royalty:* Consistent with Applicant's Application, Applicant will voluntarily compensate Waterloo Township for such extraction activities as stated in the November 25, 2020 application for an extraction permit, a royalty in the amount \$0.20 per ton of processed material from the Project (estimated payment of \$180,000). Applicant shall report the quantity of material and associated revenue and provide a monthly report of the royalty to the Township. During the duration of the Project, Applicant shall pay royalty amounts monthly and make checks payable to "Waterloo Township."
21. *Grit and Gravel Bike Ride:* As presented during the Planning Commission's February 16, 2021 meeting, Applicant must coordinate with "EPIC Races" to ensure that the annual Grit and Gravel bike race may be conducted as normally scheduled, through an alternative route, agreeable to EPIC races, while Green Road is closed for Project activities.
22. *Right of Way – Green Road:* Prior to all Project operations, Applicant must provide the Township a road closure notice for Green Road from the Jackson County Department of Transportation that the portion of Green Road to be mined is not a public right of way and is closed to public access as well as access to the impacted portions of the road.

Aye/all; no/none. Motion carried.

Old Business: Walz stated that the Parks and Recreation Committee got rained out on their May 26 painting and planting at the Munith Park. They are still looking for help in maintaining and watching the park in Munith. They are still planning a monarch waystation and rain garden to make it a natural beauty area around the walking path.

New Business: Morency spoke of Planning Commission progress on the short-term rental ordinance. There was no action on Article 11 and have no additions to the Topics list.

Kitley motioned with support from Walz to accept the following amendments to the current budget: \$50 to 101-247-702-000 Board of Review, \$2,000 to 101-254-702-000 Deputy Treasurer, \$2,000 to 101-371-702-000 Building Inspectors, \$5,000 to 101-420-702-000-----

Extraction, for a total of \$9,050 all to come out of 101-265-970-000 Capital Improvement. Roll call vote: Yes/Lance, Morency, McAlister, Walz, Kitley. No/none. Motion carried.

Kitley motioned with support from McAlister to purchase new flags, poles and brackets for the Munith Main Street for an amount not to exceed \$2,000 with Henrietta Township having committed to paying half the amount. Roll call vote: Yes/Morency, McAlister, Walz, Kitley, Lance. No/none. Motion carried.

Walz motioned with support from Morency to pay \$1,480 for bins from Omni Source to use for the September 11, 2021 household and metals collection at the township from 11:00 a.m. to 4:00 p.m. Roll call vote: Yes/McAlister, Walz, Kitley, Lance, Morency. No/none. Motion carried.

Lance Motioned with support from McAlister to have a presentation by representatives of the Jackson County Transportation Department to speak of Road Proposal costs at a public meeting to be held here at the Township at 6:30 p.m. on Thursday evening July 22, 2021. Aye all; no/none. Motion carried. Everyone is invited to attend and ask questions.

Other Business That Comes Before the Board: Morency motioned with support from McAlister to give pay increase to both Treasurer and Clerk to \$20,000/year. Roll call vote: Yes/Lance, Morency, McAlister. No/none. Abstain: Kitley, Walz. Motion carried.

Lance motioned with support from McAlister to formally accept and support the Waterloo Township MTA Principals of Governance. Aye/all; no/none. Motion carried. All Board members will sign the form.

Public Comment: Wendy Walz read a letter she wrote in response to comments at previous meetings. She feels we need a Strategic Planning Committee, to focus on getting internet in our area, allowing a business to be a marijuana growth facility, spot zoning issues, business growth that will keep our children from moving to other areas after graduation, etc. Garth Hannewald stated his approval of her statement. The letter in its entirety is available to view at the township, or you can request a copy be sent via email and it may be posted on our Facebook page.

Adjournment: Walz motioned with support from McAlister to adjourn at 7:50 p.m.

The next Planning Commission meeting will be Tuesday, July 20, 2021 at 7:00 p.m. The next regular board meeting at July 27, 2021 at 7:00 p.m. Minutes will be published in the Stockbridge Community News at the end of each month, on our website waterlootwpmi.com and on our Facebook page at: [waterlootownshipmichigan](https://www.facebook.com/waterlootownshipmichigan).

Submitted by: Janice Kitley, Clerk

APPENDIX E

HOLCIM - MICHIGAN

Chelsea

29 Apr 2022

MEASUREMENT REPORT

[View in Propeller](#)

PROJECTION

NAD83(2011) /
Michigan South (ft)

SITE SURVEYED

Apr 29, 2022

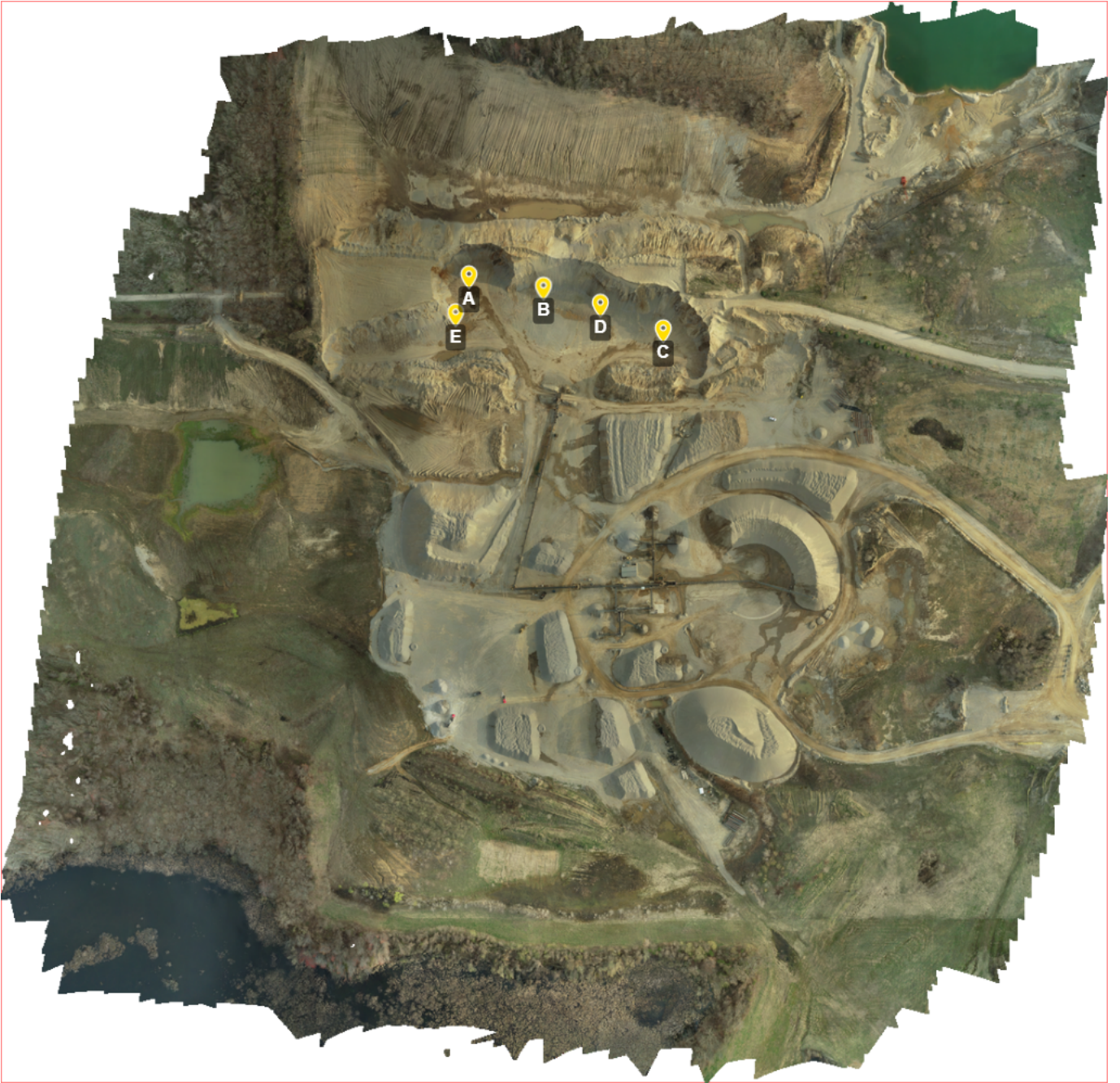
DOCUMENT GENERATED

May 26, 2022

GENERATED BY

Daniel Klimmek





ELEVATION_HISTORY (marker)

Map Key	Measurement	Template	N (ft)	E (ft)	Z (ft)	DESCRIPTION
A	elevation-history-4	ELEVATION_HISTORY	299 645.995 ft	13 184 896.121 ft	992.675 ft	
B	elevation-history-5	ELEVATION_HISTORY	299 615.881 ft	13 185 098.041 ft	991.655 ft	
C	elevation-history-6	ELEVATION_HISTORY	299 501.296 ft	13 185 422.809 ft	993.285 ft	HI
D	elevation-history-7	ELEVATION_HISTORY	299 570.140 ft	13 185 252.435 ft	991.709 ft	
E	elevation-history-8	ELEVATION_HISTORY	299 543.293 ft	13 184 860.285 ft	991.196 ft	LOW