

YAKIMA REGIONAL CLEAN AIR AGENCY

Order of Approval Permit Number NSRP-02-DTGEI-24

New Source Review Order of Approval for Reclaimed Asphalt, Concrete, and Bricks Crushing and Screening Operations at DTG Recycle - Yakima

IN THE MATTER OF approving a project which establishes a new air contaminant source at DTG Enterprises Inc. at 41 Rocky Top Road, in Yakima, WA. THIS ORDER OF APPROVAL IS HEREBY ISSUED TO:

Applicant/Permittee:

DTG Enterprises Inc. Dba; DTG Recycle - Yakima

Reclaimed Asphalt, Concrete, and Bricks Crushing and Screening

Operations.

Located at:

41 Rocky Top Road Yakima, WA 98908

Contact:

DTG Enterprises Inc.

Attn: Ian Sutton, Director of Engineering

41 Rocky Top Road Yakima, WA 98908 509 421-4807

IN COMPLIANCE WITH THE PROVISIONS OF THE REVISED CODE OF WASHINGTON (RCW), CHAPTER 70A.15 WASHINGTON CLEAN AIR ACT, SECTION, 2210, WASHINGTON ADMINISTRATIVE CODE (WAC) 173-400-110, WAC 173-460-040, and WAC 173-350-400.

ISSUE DATE: January 15 , 2025.

THIS ORDER OF APPROVAL PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:

Operation of the equipment must be conducted in compliance with all data and specifications including all additional information submitted subsequent to the New Source Review (NSR) application under which this Order of Approval is issued unless otherwise specified herein. The conditions and limitations of this NSR Order of Approval are attached as follows:



1.0 DESCRIPTION OF THE SOURCE

- 1.1 DTG Enterprises Inc. Dba; DTG Recycle Yakima, is a subsidiary of East Mountain Investments LLC (EMI) which owns the land. DTG Recycle leases the land from EMI. DTG Recycle -Yakima, hereafter referred to as the Permittee, the Facility, DTG or the Source, is a Limited Purpose Landfill (LPL) located at 41 Rocky Top Road, Yakima, WA, operated by DTG Enterprise, Inc., and permitted by Yakima Regional Clean Air Agency (YRCAA) with Order of Approval number NSRP-03-DTGEI-22.
- 1.2 The Facility's current issued Permit number NSRP-03-DTGEI-22 allows a maximum total annual waste acceptance rate of one million cubic yards per year (yd³/yr.) which includes Material Recovery Facility (MRF), but the Permit does not allow or permit crushing activities.
- 1.3 The Permittee submitted a New Source Review (NSR) application on March 25, 2024, to permit a small crushing and screening operation for reclaimed asphalt, concrete, and bricks. Figure 1 shows the Facility site plan and the approximate proposed location of the crushing and screening operation. Figure 2 shows the areas within the Facility's site where the reclaimed crusher can be moved around within the Facility, depending on operational needs. Figure 3 also shows a setback of 250 foot from the Northern property line as per CUP 03-112 issued by the Yakima County Planning Department (YCPD).
- 1.4 This Order of Approval (Order/Permit) is to permit the crushing and screening operations of only reclaimed asphalt, concrete and bricks at the Facility.
- 1.5 For the purpose of this Order, the terms "crushing operation(s)", "crushing and screening operation(s)" or "crushing and screening activities" refer specifically to the crushing and screening of reclaimed asphalt, concrete and bricks. This includes the handling and the crushed and uncrushed storage piles, loader, and nonroad diesel engines. It does not include any quarry operations, such as rock and any bedrock material crushing.
- 1.6 This reclaimed crusher equipment consist of an Astec 2640 jaw crusher, powered by a Caterpillar C7 Tier 3 nonroad diesel engine, and a CEC 5x12 screen, powered by a DEUTZ AG Tier 4 nonroad diesel engine. The equipment also includes four conveyors and a front loader. Figures 4 and 5 depict the Astec 2640 jaw crusher and CEC 5x12 screen equipment, respectively.
- 1.7 Reclaimed asphalt, concrete, and bricks received by the Permittee are dumped and collected near the crusher and screener location. During the crushing operation, materials are loaded into the crusher hopper by front loaders. Steel rebar and other ferrous materials are sorted out before crushing or removed with a magnetic recovery system attached to the crusher. Crushed materials are conveyed to the screen, where they are sorted by size. Chunks that are too large are conveyed back to the crusher. Crushed reclaimed asphalt, concrete, and bricks are conveyed to a storage piles and subsequently are sold for reuse or reused on site.



- 1.8 Air emissions from this crushing operation include fugitive dust emissions from the materials crushing, screen, aggregate handling and storage piles, trucks trips receiving and shipping the crushed reclaimed asphalt, concrete, and bricks, and loading operation. These air emissions are in the form of small Particulate Matter (PM₁₀ and PM_{2.5}), and Hazardous Air Pollutants (HAPs) and Toxic Air Pollutants (TAPs) in accordance with the Federal Clean Air Act (FCAA) and the Washington Administrative Code (WAC), respectively.
- 1.9 The Permittee proposed to control fugitive dust emissions from the reclaimed crushing operations by installing and using water spray nozzles at the crusher jaws, the screen, and the conveyors, as also required in this Order. In addition, mist water sprayers will be used on the crushed aggregate piles as needed and required to control dust.
- 1.10 The site plan, specifications and any additional information submitted for this reclaimed crushing operations are part of this Order as provided by the Permittee with the NSR application.
- 1.11 Yakima County Planning Department (YCPD) issued a Mitigated Determination of Non-Significance (MDNS) pursuant to the State Environment Policy Act (SEPA) for parcel #171310-23003 (formerly 171310-23002) with SEPA number SEP03-55/CUP03-112 dated March 25, 2004, and a subsequent Hearing Examiner's Decision number APL 04-004 dated July 22, 2004. In addition, YCPD issued a Determination of Non-Significance (DNS) for parcel #171310-31003 with SEPA number SEP2017-00022/CUP2017-00056, dated August 14, 2017. A letter from YCPD dated May 24, 2024, stating that the SEPA determination issued on May 14, 2017 addressed the processing of material, including crushing of concrete and asphalt is included in Appendix A of this Order. In addition, the YCPD has clarified the 250 foot setback from the northern property line (Figure 3).
- 1.12 A 15-day Public Notice for this NSR was published on June 12, 2024 in accordance with the Revised Code of Washington (RCW) Chapter, 70A.15.2210 and Section 173-400-171 of the Washington Administrative Act (WAC). A comment period was requested on June 27, 2024. Hence, a 30 days public comment period was held from August 28, 2024 through October 3, 2024. In addition, a public hearing was held on October 2, 2024.

2.0 **DETERMINATIONS:**

In relation to the operation described above, The Yakima Regional Clean Air Agency (YRCAA) determines that the Permittee shall comply with all federal, state and local rules, regulations and laws including but not limited to the following determination:

- 2.1 Establishment of this reclaimed crushing and screening operation for asphalt, concrete and bricks at this Facility is considered a new source of air contaminants requiring a NSR permit pursuant to the RCW 70A.15.2210, WAC 173-400-110 and 173-460-040, thus, this NSR is being processed;
- 2.2 The Facility is located in an area that is in attainment with all state and federal air quality



standards for all criteria pollutants;

- 2.3 The Facility is not a major stationary source nor this operation is subject to the Prevention of Significant Deterioration (PSD) permitting requirements of the WAC 173-400-700 through 173-400-750 as of the time of writing this Order;
- 2.4 The Facility is subject to the annual Registration Program pursuant to WAC 173-400-099 and YRCAA Regulation 1, Section 4.01 Annual Registration Program and it will be classified based on the annual approved YRCAA registration classification;
- 2.5 This crushing operation or any proposed future modification shall be subject to NSR requirements pursuant to WAC 173-400-110 and WAC 173-460-040;
- 2.6 This crushing operation is subject to 40 CFR Part 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants;
- 2.7 This crushing operation is subject to 40 CFR Part 60, Subpart A General Provisions;
- 2.8 The maximum allowable corresponding air emissions from this operation were calculated as indicated in Appendix B of this Order based on the maximum allowable hours of operation;
- 2.9 The recommended model by the U.S. Environmental Protection Agency (US EPA), AERMOD, was used for modeling the ambient air emissions impact. The model results showed that all allowable air emissions for this specific operation of reclaimed asphalt, concrete and bricks will comply with the National Ambient Air Quality Standards (NAAQS) and the Acceptable Source Impact Level (ASIL) of WAC 173-460-150; and
- 2.10 The Facility shall operate as specified in this Order and adhere to the approval conditions, and by doing so, it will be in compliance with air emissions regulation. In addition, the Facility shall comply with all federal, state and local rules, regulations and laws

THEREFORE, it is hereby ordered that the operation as described above, in the NSR application, and in the submitted plans, specifications and other additional information submitted in reference thereto, is **APPROVED** for operation, **PROVIDED** the specifications and information submitted in relation to the application and the following conditions are met:

3.0 OPERATING APPROVAL CONDITIONS

3.1 This Order authorizes the operation of the specified crushing and screening activities for reclaimed asphalt, concrete and bricks as detailed in this Order. The crushing operation includes the jaws, screen, storage piles, loading and handling, and the self-propelled nonroad diesel engines use (specified in Table 1 below), at any of the specified locations shown in Figure 2 within the Facility site. This operation is located at 41 Rocky Top Road, Yakima, WA, in accordance with the plan and specifications submitted with the NSR application to YRCAA.



- Figure 2 shows additional areas within the Facility site where the crusher can be moved/relocated while complying with air emission thresholds based on modeling outputs. All air emissions concentrations from this reclaimed crushing will remain below NAAQS and the ASIL if located within the area outlined in purple in Figure 2 below.
- 3.3 In compliance with this Order, the Permittee must comply with all other permit requirements related to this operation issued by other federal, state and local agencies.
- 3.4 Based on the above conditions and the modeling results, the Permittee shall ensure that all crushing and screening operations, including stockpiling, are located within the approved area shown in Figure 2 and within any distance or setbacks from the property line.
- 3.5 The Permittee shall comply with all conditions specified in Order NSRP-03-DTGEI-22 relevant to this reclaimed crushing operation.
- 3.6 This Order authorizes the use and operation of the following equipment in Table 1 below. Some of the equipment shown below were already referenced in the issued Order NSRP-03-DTGEI-22, like the front loader. The lists of the units as submitted by the Permittee are as specified in the Table 1 below.

Table 1 – Authorized equipment for this reclaimed crushing operations.

# Units	Unit Type	Manufacturer	Model Number / Serial Number (SN)	Specifications
1	Tracked jaw crusher	Astec	FT2640 / 410041	Rate capacity = 325 tons per hour (tons/hr)
1	Nonroad Diesel engine	Caterpillar	C7 / JTF05169	Tier 3 / 225 hp at 2,200 rpm.
1	Screen plant	CEC Screen it Series II	Screen-It 2 Deck 3-659114X34 # Chassis # 98339 254 5x12	5x12, 2-deck
1	Nonroad Diesel engine	Deutz	D914 L04 / 8938763	29-liter, 72 hp at 2,800 rpm.
4	Conveyors	-	-	ipini.
1	Front loader	Caterpillar	980M	Note: referenced in the issued Order NSRP-03-DTGEI-22

- 3.7 All equipment shown in Table 1 above shall be operated and maintain as per manufacturer's specifications and certifications as submitted by the Permittee in the NSR application.
- 3.8 Pursuant to RCW 70A.15.2210, WAC 173-400-113 and WAC 173-460-060, Best Available Control Technology (BACT) and toxic-BACT (t-BACT), respectively, are required to control all air emissions from any proposed new facility or modified source. YRCAA finds BACT and t-BACT analysis to be satisfied as follows:
 - 3.8.1 Water spray nozzles shall be installed and used at the crusher jaws inlet,



- conveyors, the crusher and screen, and at all points generating visible emissions, at all times during crushing operations, to minimize release of dust;
- 3.8.2 Water from the spray nozzles shall be spraying along the complete width of the conveyors and points of transfer in a quantity to suppress dust emissions. thus, multiple nozzles may be required;
- 3.8.3 Fine mist water sprayers shall be installed and used on all aggregate storage piles, in particular the concrete and the bricks piles, as necessary to minimize any release of dust;
- 3.8.4 Water shall be applied on the dry materials handling areas as needed to minimize release of dust;
- 3.8.5 Dust palliative material or water shall be applied on all unpaved roads, unpaved areas and graveled roads used for hauling materials as needed, to minimize airborne dust emissions, to ensure that no visible dust is entrained by moving vehicles;
- 3.8.6 Paved roads used to haul materials shall be swept as needed to minimize dust emissions;
- 3.8.7 Windbreaks or vegetative cover may be used to reduce fugitive dust emissions;
- 3.8.8 Vehicle speeds on unpaved roads, unpaved areas, and graveled roads used for hauling materials shall be limited to 10 miles per hour (mph). However, if these roads or areas are adequately treated with dust palliative material or water to prevent visible dust from being generated by moving vehicles, the speed limit may be exceeded, provided there are no visible emissions entrained moving vehicles;
- 3.8.9 All nonroad diesel engines used in crushing operations shall use ultra-low sulfur diesel or ultra-low biodiesel with a maximum sulfur content of 15 parts per million (ppm) or 0.0015% sulfur by weight or less;
- 3.8.10 Nonroad engines must be certified and meet the specified EPA Tier standards. An EPA certification, shall be submitted to YRCAA within 90 days of issuance this Order.
- 3.8.11 The Operation and Maintenance (O&M) Plan shall be developed and updated regularly, maintained and implemented by the Permittee, for the reclaimed crushing operations which shall include appropriate training for all operators. The specific engines owner's manual for proper maintenance and specific operation hours shall also be followed; and
- 3.8.12 Air emissions shall meet the ASIL value pursuant to WAC 173-460 and the



NAAQS of 40 CFR Part 50 at all times and as specified in this Order.

- 3.9 The reclaimed crusher maximum throughput shall not exceed 325 tons per hour (tons/hr) and shall not operate more than 4 hours per day (hr/day). Annual hours of operation shall not exceed 520 hours per year (hr/yr). In addition, the total production shall not exceed 169,000 tons per year (tpy) of crushed total reclaimed concrete, asphalt and bricks.
- 3.10 Crushed bricks shall not exceed 17% of the annual crushed material. Therefore, annual crushed bricks shall not exceed a total of 11,205 tons per year.
- 3.11 The permittee shall keep record of the daily reclaimed materials crushed. The daily and weekly records for each reclaimed materials crushed must be kept at site and be submitted with the registration program and upon request by YRCAA staff. The Facility may install either a gravimetric or volumetric scale (i.e. a belt scale) for the record.
- 3.12 All nonroad diesel engines used in the crushing operation shall be equipped with a non-resettable hour meter, which shall be operating at all times during crushing operations. These meters must be easily reachable. The hours-meter reading must be submitted in writing to YRCAA within 30 days from issuance of this Order or prior to the start of operation and must be verified by YRCAA staff.
- 3.13 The Permittee shall manually record the actual number of hours from the non-resettable meter of the crusher prior to crushing of any bricks. Upon the completion of crushing the batch of bricks, the reading from the non-resettable meter must be recorded. This record must be kept at site and be submitted with the registration program and upon request by YRCAA staff.
- 3.14 Crushing operations shall not be conducted beyond daylight hours at any time of the year, and shall be in compliance with all other issued permits.
- 3.15 No soil or dusts from the crushing operation shall be allowed beyond the crushing site location to include the property boundary lines. A water tires truck wash will be required if evidence of soil is transported beyond the project site. Thus, the streets connecting to the project site and the surroundings shall be washed / cleaned by water daily when required by evidence of soil transport.
- 3.16 The Permittee shall crush only recycled concrete, asphalt and bricks as specified in this Order including the allowable total quantity.
- 3.17 Currently, the Facility is allowed to accept bricks as part of the LPL operation, but not for crushing. Under this Order, the Facility may crush reclaimed materials up to 28,730 tons per year of bricks provided that it obtains the necessary approvals from other appropriate agencies or departments.
- 3.18 The Permittee must develop and implement a site-specific O&M plan for the operation including a Dust Control Plan for the reclaimed crushing operation, within 90 days of the



issuance of this Order, if not developed yet. The O&M plan shall be based on manufacturer's recommendations or the facility experience, as part of the BACT and t-BACT.

- 3.19 If an O&M Plan or Dust Control Plan is not developed yet, a plan must be completed within 90 days of the issuance of this Order. If the Permittee needs to make any future modification to the operating procedures, an approval in writing from YRCAA which may require new NSR application, must be issued before such modification takes place. The O&M documents must be updated and implemented to reflect such modification.
- 3.20 The O&M Plan and the Dust Control Plan for the reclaimed crushing operation shall contain at minimum four sections: general information, operation plan (i.e., key operating parameters), maintenance plan and any other additional information for all units involved in the crushing operations, i.e. crusher, screen, conveyors, water spray nozzles, and water sprayers lines and tank.
- 3.21 The Permittee shall perform visual daily inspections when in operation and check that water is flowing properly through the water spray nozzles and sprayers. If the water is not flowing through the nozzles or not available, or not working properly, the Permittee shall stop the operation immediately and fix the spray lines and nozzles before continuing operating, and shall keep record of the event. The Permittee shall report the event to YRCAA office through phone call followed by a letter email within 24 hours.
- 3.22 Crushing operations shall cease when dust suppression materials i.e., water is not available or high winds which makes dust abatement procedures ineffective in controlling dust transport impacts from the Facility to adjoining businesses, property owners or roadways.
- 3.23 There must be no fallout or fugitive dust emissions from this crushing operation beyond the property boundary in a quantity that interferes unreasonably with the use and enjoyment of the property owner upon which the material deposited, or is detrimental to the health, safety or welfare of any person, or causes damage to any property or business.
- 3.24 Visible emissions from normal operation, except startup and shutdown, of the nonroad diesel engines shall not exceed 10% average opacity as measured by Method 9 of the 40 CFR Part 60, Appendix A.
- An initial compliance test shall be conducted upon the startup of the crushing operations. Visible emissions from the crusher shall not exceed twelve percent (12%) opacity during a 30-minute period, while visible emissions from the screening operations, transfer points, and any other source from this crushing operation (excluding truck dumping into any part of this operation and nonroad diesel engines) shall not exceed seven percent (7%) opacity during a 30-minute period. Compliance for opacity test must be conducted using 40 CFR Part 60, Appendix A, Method 9, by a certified opacity reader. Opacity test must be conducted at ninety percent (90%) of the full load or greater. If visible emissions other than water vapor are observed beyond the specified opacity limits, the Permittee



shall immediately stop the operation creating the emissions and take corrective actions as directed in the O&M plan until the allowable opacity limit is met.

- 3.26 The initial opacity compliance test results shall be submitted to YRCAA within seven (7) days of conducting the test.
- 3.27 The Facility shall conduct the opacity compliance test specified above at the start of operations and annually thereafter or whenever needed. A copy the opacity test results shall be submitted to YRCAA within seven (7) days of conducting the test. Records of these inspections must be maintained on-site and made available to YRCAA during inspections and upon request.
- 3.28 In addition to the opacity compliance test specified above, the Permittee shall conduct an opacity test at the property boundary line using 40 CFR Part 60 Appendix A, Method 22, once a month during operation, at ninety percent (90%) of the full load or greater. The opacity at the property boundary shall not exceed zero percent (0%). If the opacity at the property boundary is found to exceed zero percent (0%), the Permittee shall immediately stop the operation creating the emissions and take corrective actions as directed in the O&M plan until compliance with the zero percent (0%) opacity limit is met. Records of these monthly tests must be maintained on-site and made available to YRCAA during inspections or upon request.

4.0 GENERAL APPROVAL CONDITIONS

- 4.1 Establishment of this reclaimed crushing operation must comply with all applicable Federal, State, and Local laws and regulations, including, but not limited to RCW 70A.15.2210, WAC 173-400 (General Regulations for Air Pollution Sources), WAC 173-350 (Solid Waste Handling Standards), and the YRCAA Regulation 1.
- 4.2 All plans, specifications, other information and any further authorizations or approvals or denials in relation to this operation, shall be incorporated herein and made part of YRCAA file.
- If, or whenever the Permittee wants to modify the reclaimed crushing operation, expand, install new equipment, another NSR application must be filed with YRCAA. A new Order shall be issued before the changes take place, and BACT and t-BACT requirements must be satisfied pursuant to RCW 70A.15.2210, WAC 173-400-110 and WAC 173-460-040.
- 4.4 Nothing in this Order shall be construed as preventing compliance with any other requirement(s) of laws, regulations including those imposed pursuant to the Federal and State CAA, and rules and regulations thereunder. Any violation(s) of such rules and regulations are subject to enforcement and penalty action in accordance with RCW 70A.15.3150 and YRCAA Regulation 1, Article 5.
- 4.5 This Order may be modified, suspended or revoked in whole or part for cause including,



but not limited to, the following:

- 4.5.1 Violation of any terms or conditions of this authorization; or
- 4.5.2 If this authorization has been obtained by misrepresentation or failure to disclose fully all relevant facts.
- 4.6 The provisions of this authorization are severable and, if any provision or application of any provision of this authorization to any circumstance is held invalid, the application of such provision to their circumstances, and the remainder of this authorization, shall not be affected thereby.
- 4.7 Deviations from any of these conditions shall be considered violations subject to penalties in accordance with RCW 70A.15.3150 and 3160, WAC 173-400-230 and YRCAA Regulation 1, Article 5, Section 5.02.
- The requirements of this Order apply to the Facility owner and/or operator(s) and any contractor or subcontractor performing any activity authorized under this Order. Any person(s), including contractor(s) and subcontractor(s), not in compliance with the applicable Order requirements are in violation of State and Local laws and subject to appropriate civil and criminal penalties. The Facility owner and/or operator, and all contractor(s) or subcontractor(s) are liable for the actions and violations of their employee(s). Any violation committed by a contractor or subcontractor shall be considered a violation by the Facility owner and/or operator, and is also a violation by the contractor and/or any subcontractor(s).
- 4.9 Applicable laws and regulations may be superseded or revised without notice. It is the Permittee's responsibility to stay current with rules and regulations governing their business and therefore is expected to comply with all new rules and regulations immediately upon their effective date. Rules and regulation updates will be incorporated into the existing Permits or upon renewal or modification of said Permits.

5.0 EMISSION LIMITS

- 5.1 The maximum production output of the crushing operation shall not exceed 325 tons per hour for maximum of 4 hours per day, 520 hours per year. The total production shall not exceed 169,000 tons per year of crushed reclaimed concrete, asphalt and bricks in combination, at the above site as specified in the application and as shown in Appendix B.
- 5.2 Total crushed bricks shall not exceed a total production of 28,730 tons per year, as shown in Appendix B.
- 5.3 Air emissions from this crushing operation shall not exceed any specified allowable limit in Appendix B of this Order.



- Visible opacity emissions from the crusher shall not exceed twelve percent (12%), while visible opacity emissions from the screening operation, transfer points and any other source from this crushing operation (excluding truck dumping into any part of this operation and nonroad diesel engines) shall not exceed seven percent (7%), as indicated above.
- 5.5 Visible opacity emissions at the property boundary line shall not exceed zero percent (0%) as indicated above.
- 5.6 In addition to the approval conditions and limits specified in this Order, the Permittee shall comply with all other applicable general and specific standards for maximum air emissions as specified in WAC 173-400-040, WAC 173-460, and WAC 173-400-075, including during startup and shutdown.
- 5.7 Toxic air emissions shall not exceed the ASIL at any time beyond the boundary line of the facility.
- 5.8 The total annual recyclable waste limits to be processed at the crushing operations shall be within the maximum total annual waste acceptance rate for the Facility and as specified in other issued Permits.

6.0 MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

- This Order, a copy of the O&M Plan and other Orders for this Facility shall be kept on site at all times and shall always be readily available, organized and accessible when requested by the YRCAA's Air Pollution Control Officer (APCO) or his designated staff or during an inspection pursuant to RCW 70A.15.2500. The O&M plan shall be updated to reflect any changes in operating procedures and such changes shall routinely be implemented.
- All required records, including but not limited to, hours of operation for any day when crushing activities are conducted, amount and type of recyclable material fed to the crusher, monthly and annual visible emissions inspections, daily water sprayers inspections during operation, O&M items performed, maintenance procedures including repairs and corrective actions, shall be maintained and kept on site for at least a rolling average of five (5) years and any other regulation, and shall be readily available, organized and accessible to the YRCAA's APCO or his designated staff during inspections or upon request.
- Records and forms for recordkeeping must be designed by the Permittee and shall include at least the date and time of any activity or action taken, and the operator's name.
- The Facility shall submit its annual registration report including the calculation of their total annual air emissions from this crushing operation for Criteria Pollutants, HAPs, TAPs, the number of hours of operation and, the amount and type of crushed material with the required fees to YRCAA as specified in the sent-out annual registration forms on



or before the specified date as required by YRCAA Regulation 1, Section 4.01 and WAC 173-400-099. Annual air emissions, hours of operation and amount of crushed material shall be based on any previous calendar year operation.

- 6.5 The YRCAA staff shall be allowed to enter and inspect the Facility at reasonable times and inspect equipment and/or records specific to the control, and release of any contaminants into the atmosphere, in accordance with RCW 70A.15.2500 and YRCAA Regulation 1.
- Any application form, report, compliance certification, monthly records and the annual registration, submitted to YRCAA pursuant to this Order, must be signed by a responsible official.
- 6.7 This Order and its conditions shall remain in effect in the event of any change in control, ownership or name of the Facility. In the event of any such change, the Permittee shall notify the succeeding owner of all Orders of Approval, and all conditions and shall notify the YRCAA of the change in control, ownership or name by filing an "Ownership or Name Change" form within fifteen (15) days of that change. The form can be obtained from YRCAA website or requested from the agency.
- All incoming reclaimed asphalt, concreate and bricks must be inspected, weighed and recorded at the Facility scale. This record must be submitted to YRCAA with the registration program. Records must be kept at the facility for at least a rolling average of five (5) years and as require by other regulation.



6.9 Pursuant to RCW 70A.15.2210, this Order shall be void without full payment of all actual YRCAA fees and cost within thirty days after the issuance date.

You may appeal this Order to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process and applicable requirements is governed by Chapter 43.21B RCW. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this Order:

- File your appeal and a copy of this Order with the PCHB, P.O. Box 40903, Olympia, WA, 98504-0903. Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order to YRCAA in paper form by mail or in person. E-mail is not accepted.

DATED at the City of Yakima, Washington on this 15th day of January, 2025.

PREPARED BY:

Elizel Reynoso
Engineer Specialist

Yakima Regional Clean Air Agency

ISSUED and REVIEWED BY:

Hasan M. Tahat, Ph.D., P.E.

Engineering and Planning Division Supervisor

Yakima Regional Clean Air Agency

for

Marc Thornsbury

Air Pollution Control Officer

Yakima Regional Clean Air Agency

REVIEWED BY:

Norman Hepner, P.E.

Nth Degree Engineering Solutions

WASHING WASHIN



Appendix A - Yakima County Planning Department (YCPD) letter for Recycling Concrete/Asphalt



DEPARTMENT OF PUBLIC SERVICES

128 North Second Street - Fourth Floor Courthouse - Yakima, Washington 98901 (509) 574-2260 lq-State 1-800-572-7354 FAX (509) 574-2231 - www.co.yakima.wa.us

May 24, 2024

Ian Sutton, P.E. DTG 22745 29th Dr. SE, Ste 200 Bothell, WA 98021

Re: Recycling Concrete/Asphalt

Mr. Sutton.

Yakima County Code (YCC) Title 19 provides a number of specific mining related definitions that generally describe those particular activities. These definitions are not solely conclusive of all aspects of the activity for which they describe. Under YCC 19.01.070, "Mining" is defined as:

"Mining" means all or any part of the process involved in quarrying, mineral extraction, crushing, asphalt mixing plants, concrete batch plants, or other uses of a similar nature, but does not include petroleum or natural gas exploration or production.

The section of the definition that states "or other uses of a similar nature," is an example of where the County's definition tries to encapsulate as many mining related activities as reasonably practicable. A good example of this can also be seen with the definition of a "Mining site/operation:"

"Mining site/operation" means a tract of land and the operations necessary to excavate, process, stockpile, or remove materials such as sand, gravel, aggregate, rock or other mineral resources. The retail, wholesale, contract purchase, or transfer of mineral products is within the scope of this definition..."

The definition refers to operations necessary to process aggregate or other mineral resources. The word "process" in that definition is not defined, which as a result, has historically meant that processing can include a variety of related or similar activities. In addition, the phrase "other mineral resources," is also intended to be a catch all phrase to include other materials necessary or customary for the mining site operation to process. Recycling of asphalt and concrete has been considered customary as part of a mining site/operation. Furthermore, most if not all asphalt products sold include some

DTG Enterprises Inc. – Recycle crushing NSRP-02-DTGEI-24 Page 15 of 23



recycled asphalt materials. Unless the specific application requires virgin materials such as an airport runway, mining companies are using a mixture of recycled asphalt and virgin materials in their products.

It has been Yakima County Public Services' view that recycling concrete and asphalt are an integral part of most mining operations and has helped extend the life of most mining sites. Facilities like DTG, which has both a mining site and a Limited Purpose Landfill are better suited to collect, process and recycle concrete and asphalt due to the nature of their operation. As a mine, demolition landfill and recycling facility DTG's facility is a perfect example of how these types of mining/landfill activities can co-exist and how recycling of concrete and asphalt would be considered as "other uses of a similar nature," or "other mineral resources" as defined by Yakima County Code.

It is the Planning Division's determination that the existing environmental reviews for the facility, through previous SEPA processes, addressed the processing of material, including crushing of concrete and asphalt. Processing and crushing are limited to the operational footprint of the property and is not restricted to the landfill disposal limit.

If you have any further questions, please feel free to contact me at 509-574-2300.

Respectfully,

Tommy Carroll

Planning Official/SEPA Responsible Official

Yakima County Public Services

Appendix B NSRP-02-DTGEI-24 DTG Enterprises Inc. Page 16 of 23

CRUSHING ACTIVITIES

Proposed hours of operation ¹ Allowable/Potential hours of operation ²	520 hours/year	hours/day 10	days/week 1	weeks/yr 52
Proposed by the Permittee as a restrictions on hours of operation	520 hours/year	4	2,5	52

¹ Proposed by the Permittee as a restrictions on hours of operation.

Crusher maximum rate capacity

325 tons/hour

Proposed output per year

169,000 tons/year

Allowable/PTE output per year

169,000 tons/year

(Allowable amount of concrete, asphalt and brick crushed per year)

Particulate Matter (PM) Emissions

Crushing and screening activities

Emission factors (lb/tons)	Uncontrolled 1			Controlled ²		
	PM	PM ₁₀	PM2 5	PM		
Crushing 3 (1x FT2640 Tracked Jaw Crusher)	0.0054	0.0024	0.0024		PM ₁₀	PM _{2.5}
Fines screening 3 (1x CEC Screen Plant)	0.3	0.072		0.0012	0.00054	0.0001
Product transfer points 3, 4 (4x transfer points)			0.072	0.0036	0.0022	0.0001
	0.003	0.0011	0.0011	0.00014	0.000046	0.00001
Truck unloading 5, 6	0.000016	0.000016	0.000016	0.000016	0.000016	
Fruck loading 5, 6	0.0001	0.0001				0.00001
Emission factors obtained from AP-42 Section 11		0.0001	0.0001	0.0001	0.0001	0.0001

Emission factors obtained from AP-42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing - Table 11.19.2-2 (English Units). Emission Factors for Crushed Stone Processing Operations (Ib/ton).

⁶ Uncontrolled emission factors used as controlled emission factors for conservative purposes.

Actual emission rate (tons/year)	Uncontrolled			Controlled		
	PM	PM ₁₀	PM _{2.5}	PM		
Primary crusher	0.4563	0.2028	0.2028		PM ₁₀	PM _{2.5}
Screening	25.3500			0.1014	0.0456	0.0085
Product transfer points (4x)		6.0840	6.0840	0.3042	0.1859	0.0085
	1.0140	0.3718	0.3718	0.0473		
Truck unloading	0.0014	0.0014			0.0155	0.0044
Truck loading hopper			0.0014	0.0014	0.0014	0.0014
	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085

Crushing and screening activities 1		Uncontrolled		Controlled		
	PM	PM ₁₀	PM _{2.5}	PM		77.5
Actual emission rate (tons/year)	32,1961	8.0021			PM ₁₀	PM _{2.5}
Allowable emission rate (tons/year)		0.0021	8.0021	0.5553	0.3083	0.037
	32.1961	8.0021	8.0021	0.5553	0.000	
A safety factor of 1.2 proposed by the Permittee was	4. 4. 4.		0.0021	0.5555	0.3083	0.037

A safety factor of 1.2 proposed by the Permittee was applied to address the potential for crushing concrete, asphalt and brick to have higher emission factors than mineral rock during crushing operations.

Aggregate handling and storage piles

Constants and emission factor calculation	PM	PM ₁₀	PM _{2.5}		
k '	0.74	0.35	0.053		
Material moisture content, % (M) 2	5.7				
Average wind speed, mph (U) 2	7.8				
Control efficiency, % 2	80%				
Uncontrolled emission factor (lb/tons) 3	0.000974	0.000461	0.000070		

 $E = k(0.0032) \frac{{\binom{U}{5}}^{1.3}}{{\binom{M}{2}}^{1.4}}$ (pound[lb]/ton)

³ AP-42 Section 13.2.4 Aggregate Handling And Storage Piles - Equation 1(b) (lb/ton).

Uncontrolled			Controlled		
PM	PM ₁₀	PM.	DM		
0.0000			I IVI	PM ₁₀	PM _{2.5}
0.0988	0.0467	0.0071	0.0198	0.0093	0.001
0.0988	0.0467	0.0071	0.0100		0.001
	PM 0.0988 0.0988	PM PM ₁₈ 0.0988 0.0467 0.0988 0.0467	PM PM ₁₀ PM _{2.5} 0.0988 0.0467 0.0071	PM PM ₁₀ PM _{2.5} PM 0.0988 0.0467 0.0071 0.0198 0.0988 0.0467 0.0021 0.0109	PM PM ₁₀ PM _{2.5} PM PM ₁₀ 0.0988 0.0467 0.0071 0.0198 0.0093 0.0988 0.0467 0.0071 0.0190 0.0093

A safety factor of 1.2 proposed by the Permittee was applied to address the potential for aggregate handling and storage of concrete, asphalt and brick to have higher emission

² More stringent hours of operation based on emission calculations. Allowable hours of operation will be considered potential (PTE) hours of operation, as per WAC 173-400-

² Emission factors obtained from "Technical Support Document for Stationary and Portable Rock Crushing Operations - General Order of Approval No. 11AQ-GO-01" - Table 1. Emission Factors Comparison; Emission Factor Selected controlled (lb/ton). https://ecology.wa.gov/gctattachment/eae40431-844e-4d78-95c0-

³ Uncontrolled emission factor for PM₁₀, assumed to be the same for PM_{2.5}.

⁴ One transfer point from crusher to screen plant, plus three transfer points on screen plant, per Permittee's NSR application.

⁵ Emission factor for PM₁₀, assumed to be the same for PM and PM_{2.5}.

Constant from AP42 Section 13.2.4 Aggregate Handling And Storage Piles - Aerodynamic Particle Size Multiplier (k) for Equation 1.

² Per Permittee's NSR application.

Appendix B NSRP-02-DTGEI-24 DTG Enterprises Inc. Page 17 of 23

Loader - work area

Constants and emission factor calculation	PM	PM ₁₀	PM _{2.5}		
k, lb/VMT ¹	4.9	1.5			
a ¹	0.7	0.9	0.15		
b 1	0.45		0.9		
Surface silt content, % (s) 2	0.45 0.45 0.4 3.6				
Loader weight, tons 2	22.5				
Loader capacity, tons 2	4.8				
Mean loader weight, tons (W) 2	24.9				
Mean loader speed, mph 2	5				
Actual operation hours, hours/year 2		520			
Vehicle miles traveled, VMT/year		2,600			
Natural mitigation, % 2	80.82%				
Control efficiency, % 2	80%				
E, Uncontrolled emission factor, lb/VMT 3	5,47	1.32	0.13		
Bext, lb/VMT	4.42	1.06	0.13		
4 70 4 4 7			0.11		

 $E = k(s/12)^a (W/3)^b$ (lb/VMT)

³ AP-42 Section 13.2.2 Unpaved roads - Equation 1(a) (lb/VMT).

Loader - work area	Uncontrolled			Controlled		
	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Actual emission rate (tons/year)	5.74	1.38	0.14	1.15	0,28	
Allowable emission rate (tons/year)	5.74	1.00		1.13	0,28	0.0
(-,,,	3.74	1.38	0.14	1.15	0.28	0.0

Haul trucks - paved and unpaved roads 1

Unpaved road - Gravel road and work area

Constants and emission factor calculation	PM	PM ₁₀	PM _{2.5}		
k, lb/VMT ¹	4.9	1,5	0.15		
a ¹	0.7	0.9	0.13		
Ъ 1	0,45	0.45			
Surface silt content, % (s) 2		3.6	0.45		
Haul truck weight, tons	14				
Haul truck capacity, tons 3	7.68				
Mean haul truck weight, tons (W)	17.84				
Unpaved gravel road and work area length, miles 4	1.62				
Actual trips required, trips/year		22,005			
Vehicle miles traveled, VMT/year		35,648			
Natural mitigation, % ²		80.82%			
Control efficiency, % 2	80%				
E, Uncontrolled emission factor, lb/VMT 5	4.71	1.13	0.11		
Eext, Ib/VMT	3.80	0.92	0.09		

 $E=k(s/12)^a(W/3)^b \text{ (lb/VMT)}$

⁵ AP-42 Section 13.2.2 Unpaved roads - Equation 1(a) (lb/VMT).

Haul truck - unpaved roads	Uncontrolled			Controlled		
(gravel road and work area)	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Actual emission rate (tons/year)	67.78	16.31	1.63	13.56	3.26	
Allowable emission rate (tons/year)	67.78	16,31	1.63	13,56	3.26	0.33

AP-42 Section 13.2.2 Unpaved roads - Table 13.2.2-2 Constants for Equations Ia and Ib; Industrial Roads (Equation Ia).

² Per Permittee's NSR application.

¹ "Worst case scenario" calculations based on output per year, that is imported and exported by haul trucks.

AP-42 Section 13.2.2 Unpaved roads - Table 13.2.2-2 Constants for Equations 1a and 1b; Industrial Roads (Equation 1a).

² Per Permittee's NSR application.

³ Estimated 32yd³ per dumpster, with a haul density of 0.24tons/yd³

 $^{^4}$ Gravel road = 0.76 miles one way, work road = 0.10 miles round trip.

Appendix B NSRP-02-DTGEI-24 DTG Enterprises Inc. Page 18 of 23

Paved road

Constants and emission factor calculation	PM	PM ₁₀	PM _{2.5}		
k, lb/VMT ¹	0.011	0.0022	0.00054		
Surface silt loading, g/m ² (sL) ²	3.6				
Haul truck weight, tons	14				
Haul truck capacity, tons 3	7,68				
Mean haul truck weight, tons (W)	17.84				
Paved gravel road length, miles 4	1.26				
Actual trips required, trips/year	22,005				
Vehicle miles traveled, VMT/year		27,727			
Natural mitigation, % 5	95.21%				
Control efficiency, % 2	80%				
E, Uncontrolled emission factor, lb/VMT 6	0.67	0.13	0.03		
Eext, lb/VMT	0.63	0.13	0.03		
			0.05		

 $E = k(sL)^{0.91}(W)^{1.02}$ (lb/VMT)

⁶ AP-42 Section 13.2.1 Paved roads - Equation 1 (lb/VMT).

Haul truck - Payed roads		Uncontrolled			Controlled	
	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Actual emission rate (tons/year)	8.80	1.76	0.43	1.76	0.35	0.0
Allowable emission rate (tons/year)	8.80	1.76	0.43	1.76	0.35	0.09

Haul truck total emissions		Uncontrolled			Controlled	
(paved and unpaved roads)	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Actual emission rate (tons/year)	76.59	18.07	2.06	15.32	3.61	0.4
Allowable emission rate (tons/year)	76,59	10.00			3.01	0.4
(tono) var)	70.39	18.07	2.06	15.32	3.61	0.41

Total Particulate Matter (PM) Emissions (Crushing and screening activities, aggregate handling and storage piles, loader and haul truck use)

Total PM Emissions		Uncontrolled		THE STORY OF THE STORY	Controlled	iruck usej
	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Total actual emission rate (tons/year)	114.63	27.50	10.21	17.04	4,21	0.48
Total allowable emission rate (tons/year)	114.63	27,50	10.21			0.46
	111.05	27.30	10.21	17.04	4.21	0.48

New Source Review and Modeling Requirements

	PM	PM ₁₀	PM _{2.5}
Total PTE uncontrolled emission rate (tons/year) 1	114.63	27.50	10.21
Exemption thresholds (tons/year) 2	1.25	0.75	0.5
NSR required?	Yes	Yes	Vec

Allowable hours of operation will be considered potential (PTE) hours of operation, as per WAC 173-400-030(76).

² Permitting is required if the total PTE uncontrolled emission rate exceeds the corresponding NSR threshold stablished in WAC 173-400-100(5)(b).

Pollutant	Total PTE controlled rate (lb/hr)	NAAQS	Averaging time	Modeled concentration	Background concentration	Below NAAQS?
PM ₁₀	2,697	150	24-hr	(μg/m³)	(μg/m³)	
				83.89	64.11	Yes
PM _{2.5}	0.307	35	24-hr	9.55	18.89	Yes
	0.109	9	Annual	0.33	5.19	Yes

AERMOD results as Volu	me Source at 1 lb/hr	
Crushing activities PM emissions, 24-hr	31.10	ug/m³
Crushing activities PM emissions, year	2.98	ug/m³

AP-42 Section 13.2.1 Paved roads - Table 13.2.1-1 (Equation 1).

² Per Permittee's NSR application.

 $^{^3}$ Estimated $32yd^3$ per dumpster, with a haul density of $0.24 tons/yd^3$

 $^{^4}$ Paved road = 0.63 miles one way.

 $^{^5}$ Natural mitigation factor from AP-42 Section 13.2.1 - Equation 2 (lb/VMT).

Appendix B	NSRP-02-DTGEL:24	DTG Enterprises Inc.	Page 19 of 23

Hazardous Air Pollutants (HAPs) and Toxic Air Pollutants (TAPs) Emissions

19APs and TAPs are centred only during rock crushins, severaing, agreeme handling and storage niles.

Calculations for crushed concrete and aspabil are performed under a worst-case scenario, assuming that 100% of each material is crushed and then compared to their respective thresholds established in WAC 173.465.150.

Calculations for crushed brick are performed based on the assumption that it constitutes 17% of the total crushed material.

Silica, crystalline (respirable) 1 from crushed concrete, asphalt and brick.

			Andread manufacture A. or			171						
Recyclable material	% material crushed	Composition	% material crushed Composition crystalline slica emissions uncontrolled (unsviser)	Actual respirable silica emission rate uncontrolled (ton/year)	Actual respirable ailtea emission Actual respirable silica emission De Minimis Permitting Professionare and Actual respirable (Indian) (Indian) Permitting Professional Professional Permitting Profes	De Minimis 1	ermitting	PTE respirable fraction of PTE respirable silica crystalline silica emissions emission rate controlled	PTE respirable silica	FTE Respirable silica	SQER	Modeling
Crished Concrete	100%	%!	16.06	21.0		(fundam)	· manha	controlled (tonevear) 3	(ton/year)	(Ib/dav)	(lb/day) 2	required?
Crusped Asynait	100%	1%	16.06	01.0	8.0		Yes	0.36	0.0036	0.00		
Crisned Brick	174	40%	2.73	100	0.0	0.011	Yes	0.36	0.0036	500	0.22	7
Crushed concrete, crushed asphalt and crushed t	rick are composed of Quartz (;	(silica, crystalline), CAS No. 14808-60-7: Onertz is	Componed of silias The section 1			res	90'0	0.0242	0.37		Yes
Isset as a R P in WAC 173-464.0 so with CAS No. 7631-86-9. https://seliaica.zu/wp-comproment/unload/20/39/S/Refs. Sign. Whitehover-base a composor of solid selection and a composor of solid selection and so	Vo. 7631-86-9. https://safesilic	ca.cu/wp-content	/uploads/2019/09/Safe-Silica-Whit	composed of sinca, the respirable	raction of crystalline silica are partic	es under 10 micn	ns in diameter	; i.e. <pm<sub>10. For conservative p</pm<sub>	urposes, PM10 and PM2.5 were o	considered as resnirable fraction	ofenotallina	lien subject to
² WAC 173-460-150. Updated and effective 12/23/19.	.61/			India and a maded							o and a second	inca, willcuits
³ Allowable emission rate will be considered PTR emission rate, by noing a non-smoothable beautiful to the second of the secon	emission rate housing a son	delateta										

Allowable emission rate will be considered PTE emission rate, by using a non-resolubtle bour meter in the emister generator, as per WAC 173-400-630(76).

Chromium oxide compounds! and Maneanese compounds from crushed brick

Pollutant	% brick crushed	Composition		Total actual pollutant emission	Total sectual pollutant emission Total actual pollutant emission De Minitude Programment Tracel Pure Institution of Programment Programmen	mis Pormitting	Total DTD fastel and Line				
Chromium (III) insolutla			uncontrolled (tons/year)	rate uncontrolled (ton/year)	rate uncontrolled (tou/year) rate uncontrolled (lh/day)	12 Leading	A Utal F L.C. DFICK emissions	Total PTE pollutant emission	Total PTE pollutant emission	SOER	Modeling
Chromium IIII colude	1	378		926	(far./3)	reduited;	controlled (tons/year)	controlled (tons/year) rate controlled (ton/year) rate controlled (lb/day)	rate controlled (lb/day)	(Ph/right 2	rennired?
Montante community	11/04	17.0	8.22	0.05	0 04.0	.019 Yes		0.0047	20.0	0.37	- Adams
Main aucse compounds		35%		36.0	2.48 0.00	037 Yes	0.16	0.0047	0.07	0.000	
Brick Safety Data Sheet (SDS) lists Chromium oxide	commonade milet CAS M.	1300 000		0.44	9.48 0.0	OII Yes		A A A A A A	1000	47000	
Particulates For De Minimis, Social and All Standard Communic Minimis (2017) Francisco Communication For De Minimis, Social and All Standard Communication Minimis (2017) Francisco Communication For De Minimis, Social Standard Standard Communication For Designation For Standard Standard Communication For Designation For Standard Standa	five numoses Chromium	. 1308-38-9; whi	ch is a the CAS No. for Chromium	n (III) oxide. HAPs list includes Ch	womium Compounds, and it includes any unique	e chemical substance	that contains the named of carrie	V-00047	0.07	0.022	Yes
2 WAC 173-460-150. Undated and effective 12/24/10	mmono seed and and	(ALL), Idsolubic at	nd soluble compounds will be use	X.			were contains are named circuit	cal as part of the chemical's struct	ure. TAPs list includes Chromiun	n (III), insoluble	and soluble
ELECTION OF THE PROPERTY OF TH											

HAPs and TAPs modeling

Jazardous/Toxic Air Pollutant	Averaging Period	ASIL	lon	Total PTE pollutant emission	Modeled concentration		1
Constitution of the consti		(µg/m³)	rate controlled (lb/day)	rate controlled (lb/hr)	(2-)-011)	% ASIL	Exceeds
suite, concrete it atable - Unished concrete	24-br	3.0	900		(model)		ASIL,7
Willies ornetalline (recrimble) Caretad and a	-		CA.O	0.0023	0.07	2.4%	,
and a spiriture (respirante) - Citastica aspirant	24-br	3.0	0.05	0.0003			
Silica, Chatalline (remittible), Carehod brist	27.5			0.0043	0.07	2.4%	
WILL CHESTON OF THE PARTY OF TH	74-BI	3.0	0.17	0.0166			
incomium (IIII), insoluble	24 hr	0.5		0.010.0	0.48	16.1%	•
Theorem (1997 - 6 6)	III-47	2.0	0.07	0.0030	000		
CITOGRIUM (III) SOUDIC	24-hr	010	200	00000	60.0	.9%	
Man lange communicate		0.10	0.0	0.0030	0.00	0.4 367	
The second country of	24-br	030	200	o out o	70.0	24-170	
			0.0	0.0030	600	11.54	

AERMOD results as Volun	te Source at 1 lb/hr.	
ing activities emissions, 24-hr	31.10	419/20
ing activities emissions, year	2.98	100



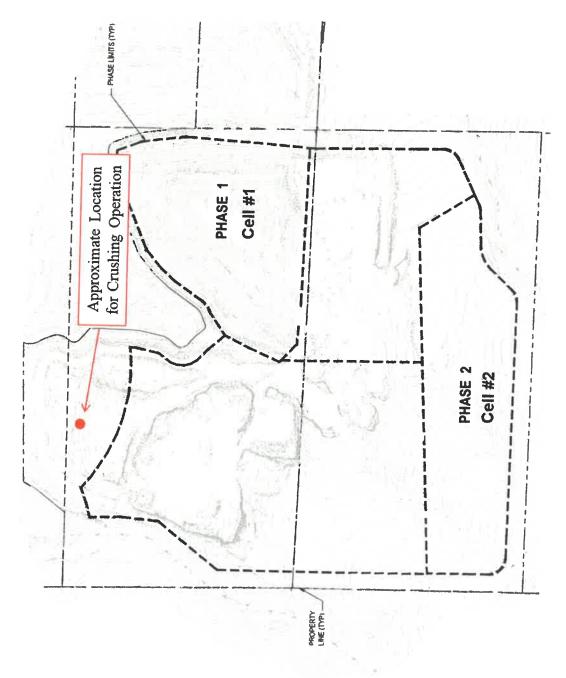


Figure 1: Facility site plan and approximate proposed location of the crushing and screening operation.





Figure 2: Permittee's proposed crusher location (outlined in green), and additional proposed modeled locations (outlined in blue), within the approved facility area (outlined in purple), where the crusher can be moved around without exceeding air emission thresholds.



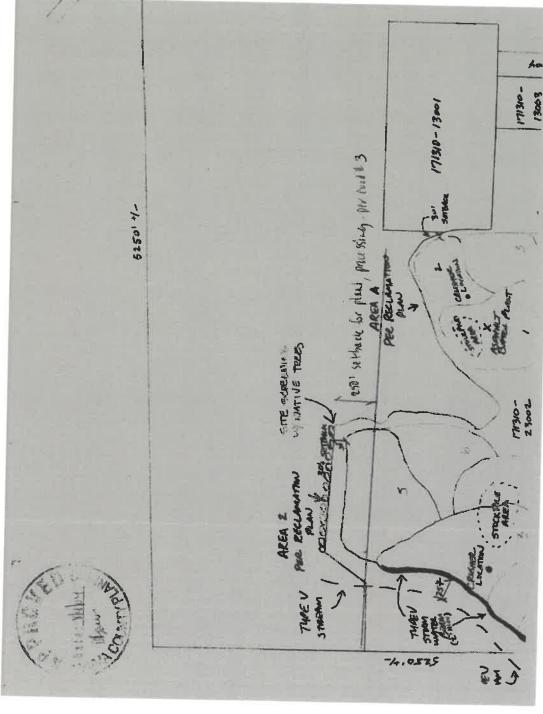


Figure 3: Northern property line per CUP 03-112 issued by the Yakima County Planning Department showing the 250 foot setback.





Figure 4: The Astec 2640 Jaw Crusher.



Figure 5: DTG's CEC 5x12 screen equipment.