NPDES No. PA _____
(for Department Use Only)

Module 2: NPDES Information

A National Pollutant Discharge Elimination System (NPDES) permit is needed for all mining permits. Application for an NPDES permit can be made at the same time as the mining permit using the options described below.

Please check which option is being used for this permit.

☐ **1. Coverage under General Permit BMR GP-104** (Document No. 5600-PM-MR0388).

This type of NPDES coverage is applicable for non-special protection watersheds where the only potential discharge to surface waters of the Commonwealth will be composed entirely of **stormwater**, in which the main potential pollutant is sediment. To apply for coverage under GP104, complete the Notice of Intent form no. 5600-PM-MR0008 and submit it with this mining permit application.

☒ **2. Individual NPDES Permit**

An individual NPDES permit is applicable for those sites that have any one of the following characteristics:

- Permit area is in a special protection watershed (HQ/EV).
- The permit specifies a discharge of treated water (beyond simple containment of stormwater runoff), mine drainage treatment facilities discharge, process water or pumped groundwater.
- Discharge authorization does not qualify under the GP-104.

To apply for coverage under an individual NPDES permit associated with mining activities, complete form no. 5600-PM-BMP0032: APPLICATION FOR INDIVIDUAL NPDES PERMIT ASSOCIATED WITH MINING ACTIVITIES

☐ **3. Other Option**

Check here if another option is chosen and provide an explanation: _____

_____

_____

_____

_____

5600-PM-BMP0032 Rev. 2/2022
Application

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF MINING PROGRAMS

OFFICIAL USE ONLY
ID # _____
Date Received _____

APPLICATION
NPDES INDIVIDUAL PERMIT

Please answer all questions completely. Refer to the instructions that come with this form.

SECTION A. GENERAL APPLICANT INFORMATION

1. Application Type ☒ New ☐ Renewal ☐ Modification ☐ Transfer
☒ Fee included: See https://www.dep.pa.gov/Business/Land/Mining/BureauofDistrictMining/Pages/Fees.aspx

2. Applicant: Rockwood Stone, LLC.

3. Associated Mining Permit No. or ID: new
Except for "new", list existing NPDES Permit No:

4. Operation Name: Rockwood Quarry

5. License No: 32853

6. Applicant Email: spencer@fearlessleasing.com

7. Permit/Project Type: (check applicable)
☐ Coal ☒ Noncoal
☒ Mining permit (surface or underground)
☐ Exploration
☐ GP-105 (Bluestone)
☐ Other _____

8. Public notice. (See instructions to determine if public notice is required.) Public notice has been submitted for publication. A draft notice is attached. ☒ Yes ☐ No

9. Production qualifications (Small business exemption)
COAL: Will coal production be at least 100,000 tons per year? ☐ Yes ☐ No
NONCOAL: Will production be at least $100,000 (1980 dollars) per year? ☒ Yes ☐ No

10. Total Affected Area (Acres): 175
Include all associated haul roads. Note: This acreage may be greater than the acres for the associated mining permit.

11. Estimated Timeframe: Start (or permit issuance): Permit Issuance End (or permit expiration): Permit Expiration

12. Physical Address of Permit Location (911 compliant):
195 Lost Mountain Lane, Rockwood, PA 15557

County	Municipality	City	Boro	Twp
Somerset	Black	☐	☐	☒
		☐	☐	☐

13. Map View of Area
☐ Attach a map with outline of the affected area associated with the mining activity and label all outfalls.
☒ Map is included as part of mining permit documents marked as Exhibit No. 6.2 & 9 Date:

14. Receiving Stream/Watershed Name: Rhoades Creek/Casselman River Watershed
Is this stream subject to a TMDL? ☐ Yes ☒ No

15. Chapter 93 Receiving Water Designated Use: WWF

16. Existing Stream Use (if different from designated use): Has this stream been petitioned for redesignation? ☐ Yes ☒ No

NOTE: If designated use is 'HQ' or 'EV', complete anti-degradation supplement form 5600-PM-BMP0007.

17. During mining, drainage will result in:
☒ **Point source discharge(s) (complete Section C: Outfall Information)**
☒ Surface Stream
☐ Municipal or Private Storm Sewer -- Provide name of Storm Sewer Operator:

☐ **Non-discharge**
☐ Groundwater – infiltration
☐ Containment without discharge (reuse)

☐ **Other** (Including off-site discharges) – Describe and attach documentation to support a legal right to discharge.

SECTION B. EROSION AND SEDIMENTATION (E & S) PLAN

18. E & S Plan

An E & S plan must be included as part of the associated mining permit information or attached to this application. The plan must provide a brief narrative describing the use of proposed BMPs and their performance to manage E & S for the project. If E & S BMPs to be implemented do not follow the guidelines referenced in the PA Erosion and Sediment Pollution Control Program Manual (TGD # 363-2134-008) or the Engineering Manual for Mining Operations (TGD # 563-0300-101), provide documentation to demonstrate performance equivalent to, or better than, the BMPs in the Manuals.

Check one:

☒ E & S plan meeting the above criteria is contained within the information associated with the mining permit/project listed in item #3 of this application.

☐ E & S information including a complete description of the implementation of BMPs is included with this NPDES application.

19. Best Management Practices (BMPs) Summary.

Check here if all BMPs are described as part of appropriate Modules of the mining permit/project (coal or noncoal) identified in Item No. 3. ☒

Complete the following if specific E & S Modules have not been submitted with an associated mining permit.

Check all that will be used at this mining site.

	BMP		BMP
☐	Sediment basins/traps with discharge outlet	☐	Bio-infiltration areas
☐	Constructed wetlands	☐	Vegetated swales / Stabilized channels
☐	Retention/containment basins	☐	Constructed filters/ filter bags
☐	Detention basin/pit sump	☐	Stabilized site entrances
☐	Non-discharging sedimentation traps	☐	Wheel washes
☐	Sediment fore bay	☐	Limiting disturbed area with concurrent reclamation
☐	Infiltration measures	☐	Oil/grit separators
☐	Protect Sensitive & Special Value Features	☐	Street sweeping
☐	Protect/Conserve/ Enhance Riparian areas	☐	Runoff capture/Reuse
☐	Restoration: Buffers/ Landscape/ Floodplain	☐	Temporary sediment controls (silt fence/silt-sok)
☐	Top of slope berms	☐	Top of slope diversions
☐	Rock inlets for basins	☐	Other _____
☐	Erosion control blankets/textiles	☐	Other _____

20. Reclamation and BMPs

Check here if any of the above checked BMPs will be left after final bond release. ☒

If checked, supply details, signed documentation of permission by the landowner and justification in the reclamation plan with the mining permit application. If this information is contained in the mining permit documents, please explain:

SECTION C. OUTFALL INFORMATION

This Section is to be completed when discrete outfalls are proposed. Attach additional pages for more than 4 points.

21. Identify each point in the tables below. Each discharge point must be shown and labeled as such on a map submitted with this application or as part of the mining permit/authorization. The labeling of discharge points must correspond with the labels used on the exhibit maps submitted in support of the mining permit/authorization. Non-discharging sedimentation traps and groundwater infiltration points are not outfalls and should not be included as outfalls but should be listed at the end of this section. Emergency Spillway(s) for ponds associated with non-discharge alternative must be permitted.

Describe the location and source of each point.

Discharge Point (e.g. SP 001, SP 002 etc.)	Latitude	Longitude	Receiving Stream	Source of Discharge (e.g., sedimentation pond, groundwater sump, etc.)
001	39° 54' 22"	79° 09' 24"	Unnamed Tributary to Rhoades Creek	Sediment Pond 1 (SP-1)
002	39° 54' 14"	79° 09' 17"	Unnamed Tributary to Rhoades Creek	Sediment Pond 2 (SP-2)

For the same points as above, describe the flow and treatment for each point.

	Flow			
Discharge Point (e.g. SP 01, SP 02 etc.)	Average rate (mgd)	Design rate (mgd)	Frequency (Intermittent (I), Precipitation Dependent (P), Continuous (C)	Treatment
001	0.56	112.2	P	Retention and Settling of Solids
002	0.80	190.6	P	Retention and Settling of Solids

Design rate is the discharge flow at the Q 7-10 stream flow for post-mining discharges, the maximum hydraulic capacity for other treatment facilities or the routed storm flow for sedimentation ponds.

Latitude/Longitude Collection Method: ☒ EMAP ☐ GPS ☐ Printed Map ☐ Other _____

Check the horizontal reference datum (or projection datum) employed in the collection method.

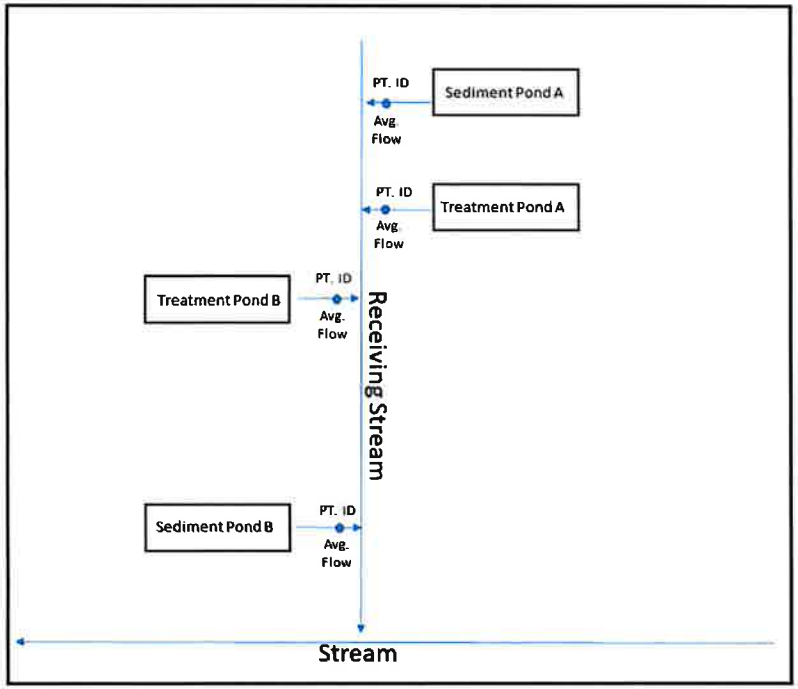
☐ NAD27 (topo maps) ☒ NAD83 (Emap) ☐ WGS84 (GEO84) (most GPS units)

For non-discharging sedimentation traps and groundwater infiltration points, provide the description and location:

Discharge/Sampling Point:	Latitude:	Longitude:	Source of Discharge (e.g., sedimentation pond, groundwater sump, etc.):
Process Pond 1	39° 54' 32"	79° 09' 17"	Process Pond 1 outflow to Process Pond 2
Process Pond 2	39° 54' 32"	79° 09' 18"	Process Pond 2 outflow to Processing Plant

Depict the structures and corresponding discharge points, average flow rate, and receiving stream(s) in a flow diagram. Include line drawing below or attachment. [40 C.F.R. § 122.21(g)(2)]

Example:



See attached flow diagram.

22. Evaluation of Thermal Impacts. *Describe how thermal impacts were evaluated and, if necessary, how they will be mitigated, in accordance with 25 Pa. Code Chapter 93.*

At mine sites two discharge scenarios are present. During dry periods there will be no discharge. After rain or snow melt events the ponds may discharge. The stormwater runoff will be retained in the pond and when discharged will reduce the peak runoff in the receiving streams. Discharges from outfalls above convey stormwater from precipitation events. Riparian vegetation between the stream and discharge point is left in place, when the water flows through the riparian vegetation area, shade keeps the ground temperature low to thus cool the water. This helps maintain a constant base flow reducing thermal fluctuation in the stream.

23. Solid or liquid wastes not discharged. Will there be sludge or sediment produced from the treatment described above? ☒ Yes ☐ No

Will there be liquid produced from the treatment described above (not discharged via the outfall)? ☐ Yes ☒ No

Describe the material and its ultimate disposal: Fines will settle out into the ponds. These fines will be removed from the pond at the sediment level and mixed in the backfill material for final site reclamation or placed back in the mining pit.

SECTION D. EFFLUENT CHARACTERIZATION

Complete the following subsections for each discharge outfall listed in Item #21.

Discharge Point No(s).: 001 - 003

24. Common parameters/pollutants. Complete the table for each constituent. Indicate 'E' if estimate, 'D' if based on actual data. If needed, attach a separate sheet labeled "Item #24 Common parameters/pollutants". Please include the units of measurement. If you are providing data from one discharge for two or more substantially identical effluents, indicate which outfalls the data represents. [40 CFR 122.21(k)(5)(i) and 40 CFR 122.21(g)(7)(iii)]

Constituent	Daily Max	Daily Average	Source of Information
pH	9 S.U.	7 S.U.	E
Total Suspended Solids (TSS)	70 mg/L	35 mg/L	E
Conductivity	227 µmhos/cm	157 µmhos/cm	E – based on nearby streams
Chemical Oxygen Demand (COD)[1]			
Biochemical Oxygen Demand (BOD)[1]			
Ammonia (NH3)[1]			
Total Organic Carbon (TOC)[1]			
Flow	Varies	Varies	Rainfall Dependent
Temperature (high)	30 °C	16 °C	E
Temperature (low)	0 °C	5 °C	

[1] **Waiver option [40 CFR 122.21(k)(5)(i)]: A waiver is requested for the following constituents that are not anticipated to be present in the discharge:**

☒ COD ☒ BOD ☒ NH3 ☒ TOC

Provide a justification for this waiver request.

No fertilizer is used during operation. Appropriate amounts will be used at reclamation to promote sufficient growth. There are no sewage plants, bogs, wastewater treatment plants or sewage sludge used at this site.

25. Dioxins. As the applicant, do you have reason to believe that at any time dioxins were made, used, stored or buried on or directly upgradient from the site designated for mining and/or support area? [TCDD, 2,4,5-T, 2,4,5-TP, Erbon, Ronnel, TCP or HCP under 40 CFR 122.21 (g)(7)(viii) and 40 CFR 122.21 (k)(5)(iv)]

☐ Yes ☒ No

If yes, provide information and data characterizing the potential discharge on a separate sheet labeled "Item #25 Dioxins"

26. Organic Toxic Pollutants (EPA Table II) Provide waiver justification or data regarding organic toxic pollutants for the mine site.

Waiver: This section is not applicable because this operation fulfills one of the following criteria:

☐ For coal, this operation produces less than 100,000 tons per year.

☐ For noncoal, this operation has gross sales of less than $100,000 per year (1980 dollars).

If a waiver is not applicable, refer to Appendix B: Table II - Organic Toxic Pollutants. List any constituents from that table that are expected to be present in the discharge.

None of the constituents listed in Table II are expected to be present. See Attachment #26.

For all constituents listed above, provide a table of the estimated daily maximum concentration, the estimated daily average concentration and the source of this information on a separate attachment labeled "Item #26 Organic Toxic Pollutants".

27. Other toxic pollutants. For new mining permits, for each of the following constituents, provide an estimate of the concentration that could reasonably expected to be present in the discharges(s) and the source of this information [40 CFR 122.21 (k)(5)(iii)(A)] (EPA Table III).

For all Coal mining renewals, provide the actual data for concentrations. [40 CFR 122.21 (g)(7)(v)(B)]

For Noncoal renewals, provide data for those you expect to be present. Insert "X" for those not expected to be present [40 CFR 122.21 (g)(7)(vi)(B)]

Please include units of measurement for all concentrations reported. **Estimated concentrations are based on PA Code Chapter 93.8c Table 5 Water Quality Criteria for Toxic Substances; Selenium concentrations are based on EPA guidance.**

Constituent	Concentration		Constituent	Concentration
Antimony, Total	<2 µg/L		Nickel, Total	<4 µg/L
Arsenic, Total	<3 µg/L		Selenium, Total	<4.6 µg/L
Beryllium, Total	<1 µg/L		Silver, Total	<0.4 µg/L
Cadmium, Total	<0.2 µg/L		Thallium, Total	<0.2 µg/L
Chromium, Total	<4 µg/L		Zinc, Total	<5 µg/L
Copper, Total	<4 µg/L		Cyanide, Total	<5.2 µg/L
Lead, Total	<1 µg/L		Phenols, Total	<5 µg/L
Mercury, Total	<0.05 µg/L			

28. Conventional and Nonconventional Pollutants. For each of the following constituents, check the boxes for those that you expect to be present in the discharge. (EPA Table IV)

☐ Bromide	☐ Nitrogen, Total Organic	☐ Sulfite	☒ Iron, Total
☐ Chlorine, Total Residual	☐ Oil and Grease	☐ Surfactants	☐ Magnesium, Total
☐ Color	☐ Phosphorus, Total	☒ Aluminum, Total	☐ Molybdenum, Total
☐ Fecal Coliform	☐ Radioactivity	☐ Barium, Total	☒ Manganese, Total
☐ Fluoride	☒ Sulfate	☐ Boron, Total	☐ Tin, Total
☐ Nitrate-Nitrite	☐ Sulfide	☐ Cobalt, Total	☐ Titanium, Total

For new outfalls, for each constituent checked above (those that you expect to be present) provide the estimated daily maximum concentration, daily average concentration and the source of the information on an attachment. For existing outfalls, report the daily maximum and daily average based on data collected within the previous five years.

Sulfate: 250 mg/L daily max., 125 mg/L daily avg., estimated; Aluminum: 0.75 mg/L daily max., 0.375 mg/L daily avg., estimated; Iron: 1.5 mg/L daily max., 0.75 mg/L daily avg., estimated; Manganese: 1.0 mg/l daily max., 0.5 mg/L daily avg., estimated. The estimates are based on concentrations listed in PA Code Chapter 93.7 Table 3.

29. Toxic Pollutants and Hazardous Substances (EPA Table V) Refer to Appendix B: Toxic Pollutants and Hazardous Substances. List any constituents from that table that are expected to be present in the discharge.

None – See attached list of substances and the sources of where they would be expected/associated activity.

For all constituents listed above, provide data for each pollutant expected in the discharge or justification of why any are believed to be not present and the source of this information on a separate attachment labeled "Item #29 Toxic and Hazardous Pollutants".

SECTION E. CERTIFICATIONS

The information on the NPDES form must be certified as correct by one of the following, as applicable.

a) In the case of corporations, by principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
b) In the case of a partnership, by a general partner.
c) In the case of a sole proprietorship, by the proprietor.
d) In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official or other duly authorized employee.

30. Applicant Affidavit

I certify under penalty of law that this application and all related attachments were prepared by me or under my direction or supervision. Based on my own knowledge and on inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I verify that the activity is eligible to participate in the NPDES permit, and that the BMPs, E&S Plan, and other plans and controls described are being or will be, implemented to ensure that water quality standards and effluent limits are attained. Furthermore, I agree to accept all conditions and limitations imposed by the associated permit. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or both for knowing violations pursuant to Section 309(c)(4) of the Clean Water Act and, 18 Pa. C.S. §§4903-4904.

Sworn and Subscribed to Before Me This
29th day of January (month) 2025 (year)

Heather L Leydig
Signature of Notary Public

Notary Seal

Commonwealth of Pennsylvania - Notary Seal
Heather L. Leydig, Notary Public
Fayette County
My commission expires March 4, 2026
Commission number 1254652
Member, Pennsylvania Association of Notaries

Signature of Applicant or Responsible Official

Spencer Svonavec
Name (Typed) of Applicant or Responsible Official

1281 Rubright Road
Address of Applicant
Rockwood, PA 15557
Address of Applicant

Member, Rockwood Stone, LLC
Applicant Title and Corporate Seal

31. Preparation of this report (to be completed by the person who prepared this application)

I do hereby certify to the best of my knowledge, information and belief that the submitted information is true and correct, represents actual field conditions and are in accordance with the appropriate Chapters of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Ryan D. Stairs, Professional Geologist
Print Name and Title

1-31-25
Date Signed

Earthtech, Inc.
Company

966 Pleasant Hill Road
Address

Somerset, PA 15501
City, State, Zip

814-266-6402
Phone

Email Address: rstairs@earthtechinc.net

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
PROFESSIONAL
Professional Seal
RYAN D. STAIRS
GEOLOGIST
PG-004744

NPDES No _____
Permit No. _____

SECTION F. PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN

This completed form constitutes the PPC plan. Along with an approved erosion and sedimentation control plan and reclamation plan as well as additional information supplied in the mining activity request, this PPC plan comprises the Stormwater Pollution Prevention Plan.

☐ Option: If the permittee has a separate, comprehensive PPC plan located on the site, check this box and sign below to confirm that this document is available upon request.

Signature: _____ Print Name: _____ Date: _____

F1. Facility Contact

This person is the designated contact for the mining facility:

Name: Spencer Svonavec Title: Member

Address: 1281 Rubright Road, Rockwood, PA 15557

Phone: (24-hr emergency) 814-442-4025 Email: spencer@fearlessleasing.com

F2. PPC Team

List PPC team members (names and title) who will undertake and oversee the control measures in this plan and make necessary corrective actions:

1. Spencer Svonavec, Member
2. _____
3. _____
4. _____

Potential Pollutant Sources and Control

F3. Inventory

List **all chemicals**, petroleum products, solvents, paint, acids, water treatment products, fertilizer, antifreeze, ice melt/salt, etc. that are to be used and stored on site. If more space is needed, please submit table on a separate page labeled "F3: Inventory"

Chemical and trade name	Location	Quantity	Storage Management (letter key) *	Coal sites only AST Inventoried?
Diesel Fuel	Maintenance Area	10,000 gallons	A	☐
Engine Oil	Maintenance Area	6–55-gallon drums	A, D	☐
Hydraulic Oil	Maintenance Area	6–55-gallon drums	A, D	☐
Gear Oil	Maintenance Area	2–55-gallon drums	A, D	☐
				☐
				☐
				☐

* Key to Storage Management: A. Closed, sturdy containers B. Open-sided covered C. Secured Tarps D. Sheds/buildings/trailers E. Other

F4. History of site

a. Within 3 years prior to this being a mine site, was this site used for any industrial activity? ☐ Yes ☒ No
If yes, what products (such as those listed above) were used, stored and/or disposed of at this site?

b. Have leaks or spills occurred at this site in the past 3 years? ☐ Yes ☒ No
If yes, provide details of the event.

c. An authorized individual must evaluate the site for nonauthorized discharges such as leaking pipelines, drains, hoses and any other non-stormwater discharges.
Date of evaluation: N/A Person who did evaluation: N/A

F5. Potential Pollution Locations

Identify locations that have potential for spills or leaks at this site:

- ☒ Excavation area
- ☒ Stockpile area
- ☒ Product storage area
- ☒ Haul roads
- ☒ Other(s) (list): Crushing yard
- ☒ Vehicle refueling, maintenance or washing area
- ☒ Equipment storage and maintenance area
- ☐ Chemical preparation area
- ☐ Treatment system setup

F6. Pollution Control

The operator or designated representative agrees to the following (check each):

- ☒ 1. Maintain regular pickup and disposal of waste materials
- ☒ 2. Undertake daily inspection of site for leaks and spills.
- ☒ 3. Ensure that chemical containers and supplies are properly and promptly stored after use.
- ☒ 4. Maintain equipment so that spills/leaks are avoided.
- ☒ 5. Undertake practices to keep control measures operational.
- ☒ 6. Take corrective actions to prevent and/or contain leaks and spills.
- ☒ 7. Ensure products are stored in appropriate containers that are clearly labeled.
- ☒ 8. Locate materials storage areas away from vehicle high-traffic areas.
- ☐ 9. Control garbage onsite to prevent dispersion by water or wind.

The above items are included as part of this PPC.

F7. Emergency Procedures and Training

The operator or designated representative confirms the following (check each):

- ☒ 1. The operator has in place a procedure for stopping, containing and cleaning up spills, leaks or other releases.
- ☒ 2. The operator agrees to train all on-site working personnel in the procedures listed in this PPC.
- ☒ 3. The operator has a procedure for notifying appropriate facility personnel, emergency response and regulatory agencies (including the District Mining Office) in the event of a spill, leak or release. *

* Attach this notification list to this document. List is attached. ☒

The above items are included as part of this PPC.

Inspections

F8. Inactivity

a. Will this site be seasonally inactive? ☐ Yes ☒ No

If yes, provide time period of inactivity: N/A

If yes, complete item b.

b. Please confirm the following by checking the *appropriate* box(es):

- ☒ Sites will be secured, and access limited to prevent dumping and vandalism during shutdown.
- ☐ Chemicals will be removed from the site during shutdown.
- ☒ Chemicals will be secured in locked structures during shutdown.

F9. Self-inspection and plan updates

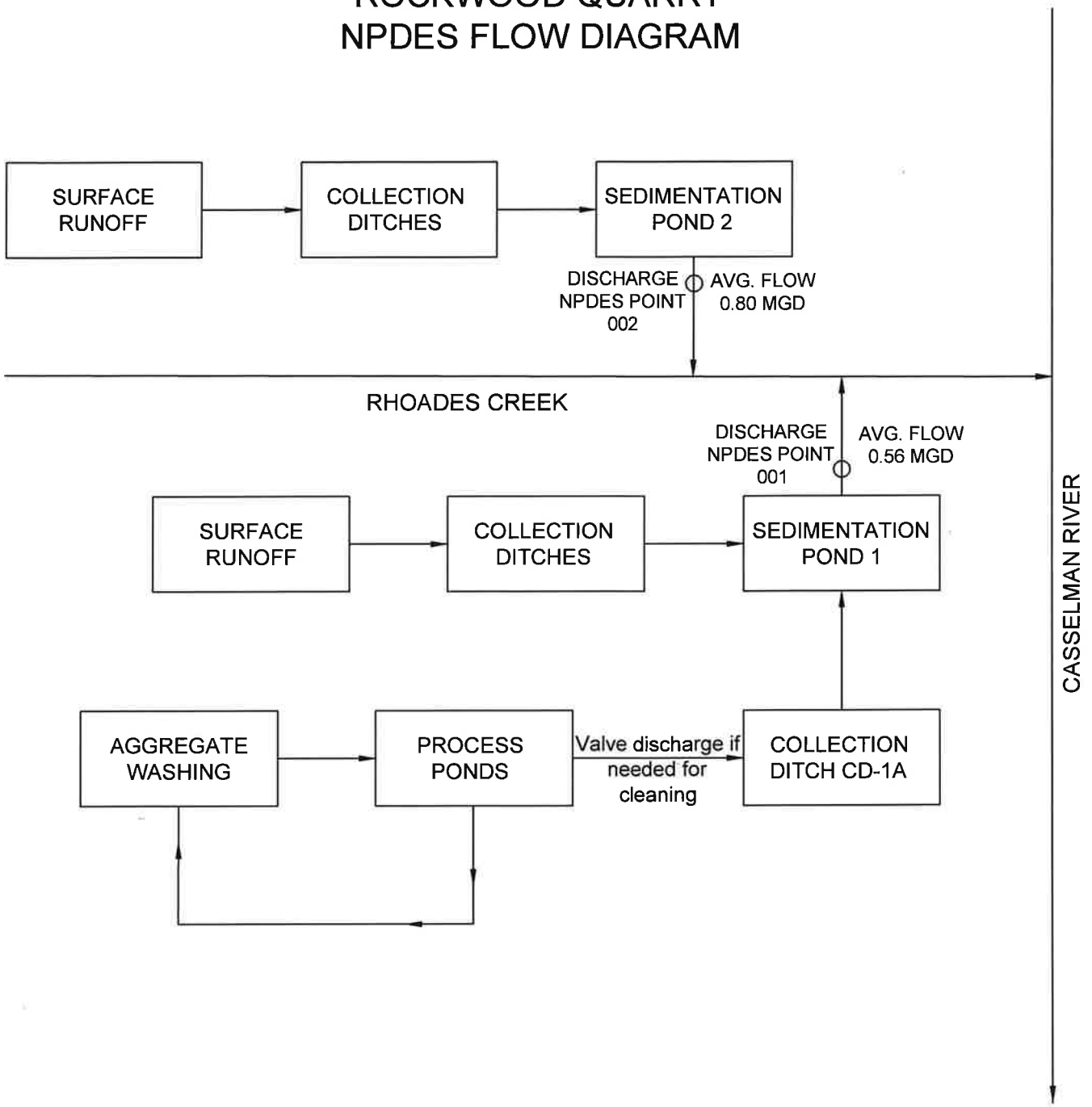
The operator agrees to the following (check the box):

- ☒ 1. Undertake yearly, documented, self-inspections to ensure the PPC is up to date and all BMPs are working.
- ☒ 2. Retain the written self-inspection report for at least one year.
- ☒ 3. Update this PPC as necessary and upon renewal of the NPDES permit.

The above items are included as part of this PPC.

Affidavit	
I certify under penalty of law that this PPC document and any attachments related to it were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
Name: Spencer Svonavec **Title:** Member, Rockwood Stone, LLC	
Signature:	**Date:** 1-29-25

ROCKWOOD STONE LLC
ROCKWOOD QUARRY
NPDES FLOW DIAGRAM



Acid Compounds portion - Table II - Organic Toxic Pollutants

Name of Compound	Use
2-chlorophenol	is an organic compound, a derivative of phenol. Related compounds are used as disinfectant agents and various pesticides. This particular compound has few applications, but is an intermediate in the polychlorination of phenol.
2,4-dichlorophenol	is used primarily as an intermediate in the preparation of herbicide 2,4-dichlorophenoxyacetic acid (2,4-D). Annual worldwide production is estimated at 88 million pounds.[1] It is also a photo-degradation product of the common antibacterial and antifungal agent triclosan along with the dioxin 2,8-dichlorodlbenzo-p-dioxin.
2,4-dimethylphenol	used in making pharmaseuticals, insecticides, fungicides, rubber chemicals, dye stuffs, and plastics
4,6-dinitro-o-cresol	herbicide and insecticide
2,4-dinitrophenol	do not occur naturally but are all manufactured compounds...is primarily used for scientific research and in manufacturing. It has been used at times to make dyes, other organic chemicals, and wood preservatives. It has also been used to make photographic developer, explosives, and pesticides.
2-nitrophenol	is used mainly as an intermediate for the production of dyestuffs, pigments, rubber chemicals and fungicides.
4-nitrophenol	leather tanning, insecticide, dyestuff, laboratory reagent
p-chloro-m-cresol	pesticide
pentachlorophenol	used as a pesticide and a disinfectant
phenol	Phenol was first extracted from coal tar, but today is produced on a large scale (aoubt 7 billion kg/year) using a series of industrial processes starting with crude oil. It is an important industrial commodity as a precursor to many materials and useful compounds.[4] Its major uses involve its conversion to plastics or related materials. Phenol and its chemical derivatives are key for building polycarbonates, epoxies, Bakelite, nylon, detergents, herbicides such as phenoxy herbicides, and a large collection of pharmaceutical drugs.
2,4,6-Trichlorophenol	is a chlorinated phenol that has been used as a fungicide, herbicide, insecticide, anticeptic,[1] defoliant, and glue preservative

Application for Individual NPDES Permit Associated With Mining Activities - Table V Chemicals Date: 1.2025
Permittee Name: Rockwood Stone, LLC.
Mine or Site Name: Rockwood Quarry

***** No substance on this list is expected to be found at this site *****

#	Substance	Source, Associated Activity, How Substance Used	Substance May Be Present @ This Site	Reason for Expected Determination
1	Asbestos	fire and heat retardant used in building materials	N	No buildings removed
2	Acetaldehyde	volatile substance found in building materials (laminate, linoleum, wood varnishes, cork/pine flooring, plastic water based paints, emulsion paints, wood ceilings, particle board, plywood, pine wood, chipboard funiture); stationary internal combustion engines & power plants that burn fossil fuels wood, or trash; oil & gas extraction; refineries; cement kilns; lumber & wood mills; paper mills;	N	No known activities of this nature
3	Allyl alcohol	Used in optical resins, safety glasses, CRT screen, paints & coatings; silane coupling agents; and polymer crosslinking agents	N	No known activities of this nature
4	Allyl chloride	Used as chemical intermediate in the mfg. of pharmaceuticals, varnishes, epoxy resins, adhesives, plastics, glycerol, and insecticides. automotive repair shops; educational services; metal industries	N	No known activities of this nature
5	Amyl acetate	solvent, ingredient in artificial fruit flavoring agent	N	No known activities of this nature
6	Aniline	Manufacturing of polyurethane; precursor to dyestuffs, rubber processing chemicals; herbicides; dyes & pigments	N	No known activities of this nature
7	Benzonitrile	solvent; color and odor removing agent; pesticides	N	No known activities of this nature
8	Benzyl chloride	dyes, pharmaceutical, perfume & flavoring products, photography developing; mfg. of synthetic tannins; gum inhibitor in fuels; irritant gas in chemical warfare; sources of emissions can be from burning polyvinyl chloride, neoprene, and rigid urethane foam, emissions from plasticized floor tile	N	No known activities of this nature
9	Butyl acetate	solvent in oil based lacquers & enamels; inks; adhesives; solvent	N	No known sources
10	Butylamine	agriculture chemicals; rubber chemicals; nylon plasticers; additive to fuel and oil	N	No known sources
11	Captan	pesticide, fungicide	N	Not used at this site
12	Carbaryl	insecticide, pesticide	N	Not used at this site
13	Carbofuran	pesticide	N	Not used at this site

#	Substance	Source, Associated Activity, How Substance Used	Substance May Be Present @ This Site	Reason for Expected Determination
14	Carbon disulfide	pesticide, insectiside,solvent, mfg. Of viscose rayon, celluphane film, carbon tetrachloride, xanthogenates, and vacuum tubes	N	No known activities of this nature
15	Chloropyrifos	pesticide	N	Not used at this site
16	Coumaphos	insecticide	N	Not used at this site
17	Cresol	automobile exhausts, power plants, & oil refineries; disinfectants, preservatives, wood preservatives, solvent, herbicide, insecticide, manufacturing explosives, fragrance, dyes	N	Any source from equipment exhaust would be minimal
18	Crotonaldehyde	mfg. of sorbic acid (yeast & mold inhibitor); warning agent in fuels; alcohol denaturant; stabilizer for tetraethyl-lead; prep rubber accelerators; leather tanning	N	No known activities of this nature
19	Cyclohexane	manufacturing of nylon;solvent; paint, resins, varnish, oils, plasticisers	N	No known activities of this nature
20	2,4-Dichlorophenoxy acetic acid	herbicide, pesticide	N	No known sources, no farming upgradient, not utilized on site
21	Diazinon	insecticide	N	No known sources, no farming upgradient, not utilized on site
22	Dicamba	herbicide	N	No known sources, no farming upgradient, not utilized on site
23	Dichlobenil	herbicide	N	No known sources, no farming upgradient, not utilized on site
24	Dichlone	pesticide	N	No known sources, no farming upgradient, not utilized on site
25	2,2-Dichloropropionic acid	herbicide	N	No known sources, no farming upgradient, not utilized on site
26	Dichlorvos	pesticide	N	No known sources, no farming upgradient, not utilized on site
27	Diethyl amine	corrosion inhibitor; production of rubber, resins, dyes, and pharmaceuticals	N	No known activities of this nature
28	Dimethyl amine	solvent; rocket fuel; rubber vulacanization accelerators; pesticides; surfactants; photographic chemicals; corrosion inhibitors; explosives; dyes; pharmaceuticals; mfg. of rayon & nylon	N	No known activities of this nature
29	Dinitrobenzene	dyes, photographic developers, mfg. of plastics, explosives	N	No known activities of this nature
30	Diquat	herbicide	N	Not utilized on site, no upgradient farming

#	Substance	Source, Associated Activity, How Substance Used	Substance May Be Present @ This Site	Reason for Expected Determination
31	Disulfoton	insecticide	N	Not utilized on site, no upgradient farming
32	Diuron	herbicide	N	Not utilized on site, no upgradient farming
33	Epichlorohydrin	used in production of glycerol, plastics, epoxy glues, resins, & elastomers, inks , dyes, surfactants, pharmaceuticals, pesticides	N	No known source
34	Ethion	pesticide	N	Not utilized on site, no upgradient farming
35	Ethylene diamine	solvent; corrosion inhibitor in paints/coolants; animal feed additive; photo development; binders; adhesives; fabric softeners; curing agent for epoxys; dyes	N	No known activities of this nature
36	Ethylene dibromide	pesticide	N	Not utilized on site, no upgradient farming
37	Formaldehyde	naturally occurring; forest fires; automobile exhaust; tobacco; building products (veneer, particle board); processing photography film; resins; used in making automobile components	N	No known activities of this nature
38	Furfural	pesticides; herbicide	N	Not utilized on site, no upgradient farming
39	Guthion	pesticide	N	Not utilized on site, no upgradient farming
40	Isoprene	rubber for tires, adhesives	N	No known activities of this nature
41	Isopropanolamine dodecylbenzenesulfonate	soaps and detergents	N	No known activities of this nature
42	Kelthane	pesticide	N	Not utilized on site, no upgradient farming
43	Kepone	insecticide	N	Not utilized on site, no upgradient farming
44	Malathion	insecticide	N	Not utilized on site, no upgradient farming
45	Mercaptodimethur	insecticide	N	Not utilized on site, no upgradient farming
46	Methoxychlor	insecticide	N	Not utilized on site, no upgradient farming
47	Methyl mercaptan	released from decaying organic matter	N	No known source
48	Methyl methacrylate	plexiglass	N	No known activities of this nature

#	Substance	Source, Associated Activity, How Substance Used	Substance May Be Present @ This Site	Reason for Expected Determination
49	Methyl parathion	insecticide	N	Not utilized on site, no upgradient farming
50	Mevinphos	insecticide	N	Not utilized on site, no upgradient farming
51	Mexacarbate	pesticide	N	Not utilized on site, no upgradient farming
52	Monoethyl amine	herbicide, making rubber, solvent	N	No known activities of this nature
53	Monomethyl amine	pesticide, making rubber, solvent	N	No known activities of this nature
54	Naled	insecticide	N	No known sources, no farming upgradient
55	Naphenic acid	oil refinery	N	No known activities of this nature
56	Nitrotoluene	agriculture, pesticide, explosives, dyes	N	Not utilized on site, no upgradient farming
57	Parathion	insecticide	N	Not utilized on site, no upgradient farming
58	Phenolsulfanate	after-shave, deodorant	N	No known source
59	Phosgene	pesticide	N	Not utilized on site, no upgradient farming
60	Propargite	pesticide	N	Not utilized on site, no upgradient farming
61	Propylene oxide	polyeurothan, antifreeze (glycol)	N	Any sources from equipment would be minimal, antifreeze removed from site
62	Pyethrins	insecticide	N	Not utilized on site, no upgradient farming
63	Quinoline	herbicides, dyes	N	Not utilized on site, no upgradient farming
64	Resorcinol	resins, dyes	N	No known source
65	Strontium	as sulfate in igneous rock	N	No igneous rock on site
66	Strychnine	pesticide	N	No known sources, no farming upgradient
67	Styrene	rubber, plastic, foam, fiberglass	N	No known source
68	2,4,5-Trichlorophenoxy acetic acid	herbicide	N	Not utilized on site, no upgradient farming
69	Tetrachlorodiphenylethane	insecticide	N	Not utilized on site, no upgradient farming

#	Substance	Source, Associated Activity, How Substance Used	Substance May Be Present @ This Site	Reason for Expected Determination
70	2,4,5-Trichlorophenoxy propanoic acid	pesticide	N	Not utilized on site, no upgradient farming
71	Trichlorofan	insecticide	N	Not utilized on site, no upgradient farming
72	Triethanolamine dodecylbenzenesulfonate	pesticide	N	Not utilized on site, no upgradient farming
73	Triethylamine	pesticide, dyes	N	Not utilized on site, no upgradient farming
74	Trimethylamine	herbicide , dyes	N	Not utilized on site, no upgradient farming
75	Uranium	found in mining, mostly sandstone	N	No known source on site
76	Vanadium	by-product of uranium mining	N	No known source on site
77	Vinyl acetate	resins, adhesives, plastics	N	No known source
78	Xylene	solvent, ingredient in fuels	N	Any source from fuel leak would be minimal
79	Xylenol	pesticide	N	Not utilized on site, no upgradient farming
80	Zirconium	surface and mineral sand mining	N	No known source

EMERGENCY PHONE NUMBERS

Site Employee Contacts

Spencer Svonavec	Mobile	814-442-4025

Regulatory Agency Contacts

In the event of an emergency, the following Agencies will be notified:

Local Emergency 911 Center	**911**
Department of Environmental Protection (DEP) – 24 hours	412-442-4000 412-645-7100
Cambria District Office	814-472-1900

Other Contacts

The following agencies/companies will also be notified as applicable:

PA Fish & Boat Commission	855-347-4545 *(Business Hours)* 800-541-2050 *(After Hours)*
PA Emergency Management Agency (Harrisburg, PA)	1-717-651-2001
US Army Corps of Engineers Emergency Response Hydrology Department	 412-395-7150 412-395-7300
Safety Kleen Service (Johnstown, PA*) - [Clean Up Contractor] *Closest branch to the site location	814-266-4815
Municipal Authority of Rockwood Borough Rockwood, PA	814-926-2833