office

D'APPOLONIA
701 RODI ROAD, FLOOR 2
PITTSBURGH, PENNSYLVANIA 15235-4559
(412) 856-9440 FAX (412) 856-9535

April 4, 2019

Project No. 152596

Pennsylvania Department of Environmental Protection
Cambria District Mining Office
286 Industrial Park Road
Ebensburg, PA 15931
ATTN: Mr. Chad Paronish, Geologic Specialist

Transmittal
NPDES Permit Renewal Application
NPDES Permit No. PA0223239, SMP No. 01930302
Charmian Plant Pitts Quarry
Specialty Granules LLC
Hamiltonban Township, Adams County, Pennsylvania

Dear Mr. Paronish:

On behalf of Specialty Granules LLC (SGI), this letter transmits the National Pollutant Discharge Elimination System (NPDES) permit renewal for the Pitts Quarry [NPDES Permit No. PA0223239, SMP No. 01930302]. This permit includes NPDES Outfalls 001 and 002 which correspond to the existing, permitted Pitts Pond 1 and Pitts Pond 2, respectively. This renewal application does not propose any changes to the existing outfalls, related structures, or operations currently permitted at the site.

Per Item 5 of the NPDES Individual Permit Conditions for NPDES Permit No. PA0223239, surface water monitoring has been completed at monitoring points SS5, SS9, SS10, TC1, TC7, TC8, and TC9 from the second quarter 2017 to the first quarter 2019. The results of this surface water sampling and testing are included for review as an attachment to this letter.

The documents included with this submission are:

- NPDES Permit Renewal Application (Form 5600-PM-BMP0032)
- Public Notice Narrative
- Results of Surface Water Monitoring
- Check for Permit Fee of $500

ENGINEERING DIVISION OF
GROUND TECHNOLOGY, INC.

We appreciate your efforts in reviewing the application and are available for any questions or comments. Please contact SGI or D'Appolonia should you have any questions.

Very truly yours,
D'APPOLONIA ENGINEERING DIVISION OF GROUND TECHNOLOGY, INC.

Michael D. Ward, P.E.
Principal Engineer

Attachments: NPDES Permit Renewal Application
Public Notice Narrative
Results of Surface Water Monitoring
Check for Permit Fee of $500

Cc: Mr. Anthony Shepeck – SGI (1 Hardcopy and 1 CD Copy)
Mr. Kevin Moore, P.E. – SGI (1 CD Copy)
Mr. Brent Jarrell – SGI (1 CD Copy)

NPDES PERMIT RENEWAL APPLICATION

5600-PM-BMP0032 Rev. 8/2014
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF MINING PROGRAMS

OFFICIAL USE ONLY
ID # _____
Date Received _____

APPLICATION FOR INDIVIDUAL NPDES PERMIT ASSOCIATED WITH MINING ACTIVITIES

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

SECTION A. GENERAL APPLICANT INFORMATION

1. Application Type ☐ New ($1000) ☒ Renewal ($500) ☐ Modification ($500) ☐ Transfer ($500)

2. Applicant: Specialty Granules LLC

3. Associated Mining Permit No.:01930302
NPDES Permit No:. PA0223239

4. Operation Name: Charmian Plant Pitts Quarry

5. License No:. 6982

6. Applicant Email:
kevin.moore@specialtygranules.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): 313.2
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) 9/7/2019 End (or permit expiration) 9/7/2024

12. Permit Location or Physical Address:
1455 Old Waynesboro Rd., Blue Ridge Summit, PA 17214

County	Municipality	City	Boro	Twp
Adams	Hamiltonban	☐	☐	☒
		☐	☐	☐
		☐	☐	☐

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 - Environmental Resource Map and Exhibit 9 - Operations Map

14. Receiving Stream/Watershed Name: UNT to Tom's Creek
Is this stream subject to a TMDL? ☐ Yes ☒ No

15. Chapter 93 Receiving Water Designated Use: HQ-CWF and MF

16. Existing Stream Use (if different from designated use):

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.
Under normal conditions, water from Pitts Pond 1 and Pitts Pond 2 is collected and pumped to adjacent NPDES permit No. PA 0009059 for treatment in the Lower Mill Pond system or reuse in the processing plant.

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 permit/project type listed in item #2 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 (coal or noncoal) described in Item No. 2. ☒

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.

Describe the location and source of each point.

Discharge Point (e.g. SP 01, SP 02 etc.)	Latitude	Longitude	Receiving Stream	Source of Discharge (e.g., sedimentation pond, groundwater sump, etc.)
001	39° 45' 44.57"	77° 27' 4.99"	UNT to Toms Creek	Sedimentation Pond - Pitts Pond 1*
002	39° 45' 46.11"	77° 27' 3.34"	UNT to Toms Creek	Sedimentation Pond - Pitts Pond 2*
	° ' "	° ' "		*To prevent discharge during precipitation events less than the equivalent of the 10-year, 24-hour event, water from Sedimentation Ponds 001 and 002 will be pumped to adjacent Permit No. 6477SM5, NPDES Permit No. 0009059. No change is proposed from the previous application.

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 (months/yr)	Treatment
001*	N/A	N/A	Only discharge to occur during precipitation events > equivalent of 10-year 24-hour storm	1U - Sedimentation
002*	N/A	N/A	Only discharge to occur during precipitation events > equivalent of 100-year 24-hour storm	1U - Sedimentation

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 Point:	**Latitude:**	**Longitude:**	**Source of Discharge (e.g., sedimentation pond, groundwater sump, etc.):**

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.

As discussed herein, the existing ponds (Pitts Pond 1 and Pitts Pond 2) only discharge for more extreme storm events greater than the 10-year 24-hour event. Given that discharges will occur so infrequently and during extreme rainfall events, water discharged from the spillways will be representative of generally ambient temperatures, and will not require treatment for thermal impacts.

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: Sediment will be collected in the ponds. Accumulated sediment will be cleaned out once the pond reaches its design sediment storage capacity. This material will be hauled to existing, on-site stockpiles for disposal or the material will be used as cover material for reclaiming stockpile or mining areas that have reach final grade.

SECTION D. EFFLUENT CHARACTERIZATION

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

Discharge Point No(s).: 001, 002

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.

Constituent	Daily Max	Daily Average	Source of Information
pH	6.0 - 9.0 s.u.	N/A	E (Existing Pitts Pond NPDES Permit)
Total Suspended Solids (TSS)	70 mg/l	35 mg/l	E (Existing Pitts Pond NPDES Permit)
Chemical Oxygen Demand (COD)[1]	N/A	21 mg/l	E (Existing Pitts Pond NPDES Permit) -
Biochemical Oxygen Demand (BOD)[1]			
Ammonia (NH3)[1]			
Total Organic Carbon (TOC)[1]	N/A	3.5 mg/l	E (Existing Pitts Pond NPDES Permit)
Flow	N/A*	0	Accumulated water in the ponds will typically be pumped to the Lower Mill Ponds prior to discharging through the Pitts Pond spillways. Discharge through these ponds will only occur for storm events greater than the equivalent of 10 year/ 24-hour storm event for Pond 1 and greater than the equivalent of 100 year/24-hour event for Pond 2.
Temperature (high)			Temperature will be consistent with ambient daily air temperature at a given time
Temperature (low)			

[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.

These constituents are not expected to be present above naturally occurring concentrations in the discharge from stormwater based on data from direct sampling of the existing stormwater management system at the Charmian Facility. The detectable values obtained from direct sampling at Pitts Pond 1 completed as part of the last NPDES permit renewal are indicated above.

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-TP, Erbon, TCH or HCP under 40 CFR 122.21(g)(7)(viii)]

☐ 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 these constituents are expected to be in the runoff tributary to the Pitts Ponds. There is no agricultural land within the permit boundary, which is the source of most of these pollutants. Also, other common sources of these pollutants such as asphalt plant features, railroad ties, or electric utility poles (in large quantities) are not present on site.

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)[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.

Constituent	Concentration		Constituent	Concentration
Antimony, Total	<0.01 mg/l		Nickel, Total	<0.01 mg/l
Arsenic, Total	<0.005 mg/l		Selenium, Total	<0.01 mg/l
Beryllium, Total	<0.002 mg/l		Silver, Total	<0.002 mg/l
Cadmium, Total	<0.001 mg/l		Thallium, Total	<0.01 mg/l
Chromium, Total	<0.0025 mg/l		Zinc, Total	0.0067 mg/l
Copper, Total	<0.005 mg/l		Cyanide, Total	<0.005 mg/l
Lead, Total	<0.003 mg/l		Phenols, Total	0.08 mg/l
Mercury, Total	<0.002 mg/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 quantitative data for those checked.

The above-checked constituents have been detected in at least one sample of stormwater runoff at the Pitts Quarry at low concentrations (in naturally occurring ranges). No agricultural land use exists in the permit area and no municipal wastewater is present, which are the sources of many of these pollutants.

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.

The metabasalt being mined in the Pitts Quarry contains a relatively small fraction of Actinolite minerals. Most Actinolite is crystalline (i.e., not fibrous) in form, but some Actinolite can produce asbestiform fibers. In operation of the Charmian Facility, SGI implements a Suspect Mineral Identification and Management Protocol which provides for the inspection of the rock face and rocks after each blasting event for evidence of the presence of Actinolite. If identified, suspect minerals are segregated and reburied. Ambient air monitoring conducted at the SGI facility August 28 - September 5, 2018 found asbestos fibers in concentrations that were not statistically different than national background concentrations. For these reasons, SGI does not anticipate asbestos to be present in significant concentrations in stormwater runoff from the mining area.

None of the other substances listed in EPA Table V are anticipated to be present. The source of many of these pollutants is agricultural land. There is no agricultural land within the permit boundary, as previously mentioned.

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

5th day of April (month) 2019 (year)

Signature of Notary Public

Signature of Applicant or Responsible Official

Justin P. Dunlap

Name (Typed) of Applicant or Responsible Official

Notary Seal

KELLY LIN RIVERA
NOTARY PUBLIC
WASHINGTON COUNTY, MD
My Commission Expires June 13, 2022

13424 Pennsylvania Avenue

Address of Applicant

Hagerstown, MD 21742

Address of Applicant

President

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

Michael D. Ward
Print Name and Title

4-4-2019
Date Signed

D'Appolonia Engineering Division of Ground Technology, Inc.
Company

701 Rodi Road, Floor 2
Address

Pittsburgh, PA 15235-4559
City, State, Zip

412-856-9440
Phone

Email Address: mdward@dappolonia.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MICHAEL D. WARD
Professional Seal
ENGINEER PE078216

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: Justin P. Dunlap Date: 4-4-2019

F1. Facility Contact

This person is the designated contact for the mining facility:

Name: _____ Title: _____

Address: _____

Phone: (24-hr emergency) _____ Email: _____

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. _____ 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?
				☐
				☐
				☐
				☐
				☐
				☐
				☐

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

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: _____ Person who did evaluation: _____

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): _____
- ☐ 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: _____

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: _____ **Title:** _____	
Signature: _____	**Date:** _____

PUBLIC NOTICE NARRATIVE

PUBLIC NOTICE

Pursuant to the Noncoal Surface Mining Conservation and Reclamation Act and the Clean Streams Law, notice hereby is given that Specialty Granules LLC, 13424 Pennsylvania Ave. Suite 303, Hagerstown, MD 21742 has made application to the Pennsylvania Department of Environmental Protection for renewing its existing NPDES permit. The current permit, PA0223239, was originally issued on September 7, 1994 and will expire on September 7, 2019. This renewal does not contain revisions to the existing operation. The receiving stream for the permit area is an unnamed tributary to Tom's Creek, which has Chapter 93 stream designations of High Quality (HQ)-Cold Water Fishes (CWF) and Migratory Fishes (MF). The operation is located in Hamiltonban Township, Adams County, and is known as the Pitts Quarry (Surface Mine Permit No. 01930302). The permit area, containing 313.2 acres, is situated at 1455 Old Waynesboro Rd. Blue Ridge Summit, PA. The Iron Springs, PA, U.S. Geological Survey 7.5 minute topographic maps contains the area described. A copy of the application is available for public inspection at the Adams County Conservation District, 670 Old Harrisburg Rd Suite 201 Gettysburg, PA 17325. Written comments, objections, or a request for public hearing or informal conference may be submitted to the Department of Environmental Protection, Cambria District Mining Office, 286 Industrial Park Rd Ebensburg Pennsylvania 15931 PA by ***(publisher to insert date***), and must include the person's name, address, telephone number, and a brief statement as to the nature of the objection(s).

SURFACE WATER MONITORING DATA

...nn's Creek Watershed Sampling Program

Date	Sample Point	Temp (C)	Dissolved Oxygen (mg/L)	Specific Conductivity (uS)	pH	Turbidity (NTU)	Total Acidity	Total Alkalinity	Ammonia-N (mg/L)	Carbonaceous BOD (mg/L)	Total Residual Chlorine (mg/L)	Nitrate/Nitrite - N (mg/L)	Total Phosphorus (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Total Aluminum (mg/L)	Total Copper (mg/L)	Total Iron (mg/L)	Total Lead (mg/L)	Total Manganese (mg/L)	Total Zinc (mg/L)	Total Arsenic (mg/L)	Total Calcium (mg/L)	Total Magnesium (mg/L)	Total Nickel (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)
5/12/2017	TC-1	10.4	10.91	71.8	6.73	21	49	20	0.139	ND	ND		ND	6.4	65	ND	0.665	ND	0.11	ND	0.0054	ND	ND	6	2.3	ND	0.54	ND
5/12/2017	TC-7	10.1	10.31	39.9	6.58	16	ND	8	ND	ND	ND		ND	4.9	47	ND	0.13	ND	0.11	ND	0.0066	ND	ND	2.9	1.7	ND	0.26	ND
5/12/2017	TC-8	10.1	10.58	66	6.88	16	ND	13	ND	ND	ND		ND	6.3	60	ND	0.079	ND	0.11	ND	0.0076	ND	ND	5.4	2.4	ND	0.44	ND
5/12/2017	TC-9	10.1	10.45	29.2	6.75	16	ND	6	ND	ND	ND		ND	4.4	43	ND	0.14	ND	0.11	ND	0.0069	ND	ND	2.1	1.5	ND	0.2	ND
5/12/2017	SS-5	10.1	9.83	199.3	7.23	12	ND	65	ND	ND	ND		ND	21.3	138	5	0.12	ND	0.19	0.0035	0.0077	ND	ND	17	8.1	ND	1.2	ND
5/12/2017	SS-10	10	9.77	293.4	7.79	10	ND	93	ND	ND	ND		ND	28.4	189	9	0.32	ND	0.51	ND	0.018	ND	ND	24.8	12.5	ND	1.8	ND
5/12/2017	SS-9	10.3	10.23	301.4	7.74	10	ND	101	0.104	ND	ND		ND	29	192	18	0.52	ND	0.88	ND	0.031	ND	ND	25.4	13.1	ND	1.9	ND
6/21/17	TC-1	16.8	8.55	85	6.7	9.71	ND	30	ND	ND	ND		ND	4.9	65	ND	ND	ND	0.075	ND	0.0051	ND	ND	7.8	2.6	ND	0.48	ND
6/21/17	TC-7	16.2	9.4	50	6.6	3.1	ND	15	0.202	ND	ND		ND	4.1	44	6	0.12	ND	0.18	ND	0.013	ND	ND	3.7	2.1	ND	0.32	ND
6/21/17	TC-8	16.9	8.85	85	7	2.32	ND	27	0.101	ND	ND		ND	4.7	53	ND	0.11	ND	0.21	ND	0.017	ND	ND	5.4	2.3	ND	0.32	ND
6/21/17	TC-9	16.1	8.61	35	6.4	36.37	ND	10	ND	ND	ND		ND	3.4	37	6	0.11	ND	0.16	ND	0.013	ND	ND	2.3	1.7	ND	0.3	ND
6/21/17	SS-5	16.6	8.4	273	7.6	31.35	ND	81	ND	ND	ND		ND	20.1	169	12	0.33	ND	0.54	ND	0.023	ND	ND	22.6	10.6	ND	1.7	ND
6/21/17	SS-10	18.1	8.51	475.6	8	54	ND	135	0.129	ND	ND		ND	38.6	236	31	0.63	ND	0.97	ND	0.033	ND	ND	32.4	15.8	ND	1.7	ND
6/21/17	SS-9	17.7	8.82	447	7.9	43.78	ND	127	ND	ND	ND		0.25	40.7	248	88	0.76	ND	1.2	ND	0.04	ND	ND	34	16.7	ND	2.2	ND
7/25/2017	TC-1	19.2	7.8	100	7.24	8.73	ND	40	0.221	ND	ND	0.4	0.043	4.6	52	ND	ND	ND	0.086	ND	0.0059	ND						
7/25/2017	TC-7	18.8	9.87	60.7	6.85	8.85	ND	22	0.135	ND	ND	0.26	0.045	3.6	51	ND	0.12	ND	0.21	ND	0.017	ND						
7/25/2017	TC-8	19.3	9.35	73.4	7.2	7.88	ND	25	0.133	ND	ND	0.24	0.049	3.5	47	ND	0.17	ND	0.34	ND	0.032	ND						
7/25/2017	TC-9	18.8	9.25	45.1	7.02	1.69	ND	143	0.13	ND	ND	0.24	0.048	2.4	35	5	0.14	ND	0.2	ND	0.016	ND						
7/25/2017	SS-5	19	7.9	305	7.7	22.34	ND	93	0.123	ND	ND	0.8	0.066	26.1	173	9	0.28	ND	0.45	ND	0.027	ND						
7/25/2017	SS-10	19.5	8.83	464.8	8.07	2.79	ND	135	0.143	ND	ND	1.1	0.65	40.1	256	10	0.39	ND	0.59	ND	0.03	ND						
7/25/2017	SS-9	19.2	8.9	434.4	7.93	16.18	ND	148	0.122	ND	ND	1.8	0.092	42.8	245	40	1.4	0.0058	2.2	ND	0.081	ND						
8/29/2017	TC-1	16.8	7.78	115.2	6.66	0	ND	37	ND	ND	ND	0.48	0.033	4.4	72	ND	ND	ND	0.052	ND	0.0065	ND						
8/29/2017	TC-7	15.5	9.06	77.5	6.81	0.2	ND	26	ND	ND	ND	0.26	0.038	3.8	56	5	0.12	ND	0.21	ND	0.019	ND						
8/29/2017	TC-8	15.7	8.47	80.4	7.07	0.4	ND	25	ND	ND	ND	0.22	0.039	3.3	53	8	0.14	ND	0.42	ND	0.046	ND						
8/29/2017	TC-9	15.4	7.55	47.1	7.13	0.27	ND	15	ND	ND	ND	0.22	0.042	2.3	36	ND	0.13	ND	0.19	ND	0.016	ND						
8/29/2017	SS-5	15.2	8.58	267.4	7.67	15.19	ND	90	ND	ND	ND	1	0.091	24.9	175	27	0.84	ND	1.4	ND	0.066	ND						
8/29/2017	SS-10	15.6	7.97	443.4	7.97	27.74	ND	135	ND	ND	ND	1.5	0.13	36.8	224	50	1.7	0.0071	2.7	ND	0.1	ND						
8/29/2017	SS-9	15.6	8.5	428.8	7.96	31.92	ND	134	ND	ND	ND	1.7	0.1	37	228	75	1.6	0.0075	2.6	ND	0.11	ND						
9/12/2017	TC-1	14.1	8.17	120.3	6.73	2.76	ND	40	ND	ND	ND	0.48	0.034	4.6	77	ND	ND	ND	0.058	ND	0.0064	ND						
9/12/2017	TC-7	13.3	9.89	82.5	6.94	4.55	ND	24	ND	ND	ND	0.26	0.037	3.9	60	ND	0.085	ND	0.17	ND	0.013	ND						
9/12/2017	TC-8	13.6	9.25	78.3	7.14	7.02	ND	24	ND	ND	ND	0.26	0.034	3.5	61	ND	0.084	ND	0.25	ND	0.022	ND						
9/12/2017	TC-9	13.3	8.49	43.4	6.96	9.52	ND	15	ND	2.5	ND	ND	0.033	ND	43	ND	0.095	ND	0.16	ND	0.012	ND						
9/12/2017	SS-5	13.3	8.53	304.5	7.45	2.28	ND	89	ND	3	ND	1.1	0.049	24.8	201	6	0.21	ND	0.34	ND	0.022	ND						
9/12/2017	SS-10	14.1	8.9	437.9	7.98	14.56	ND	126	ND	3.7	ND	1.6	0.063	36.2	253	ND	0.37	ND	0.55	ND	0.024	ND						
9/12/2017	SS-9	14.1	8.8	435.8	7.94	4.07	ND	132	ND	ND	ND	1.8	0.054	36.1	257	7	1.1	ND	1.8	ND	0.082	ND						
10/17/17	TC-1	10.9	8.89	120.2	6.66	22.51	ND	43	ND	ND	ND	0.32	0.036	5.3	59	ND	ND	ND	0.057	ND	0.0049	ND						
10/17/17	TC-7	9.5	10.23	90.3	6.7	4.48	ND	29	0.219	ND	ND	ND	0.034	5.1	32	ND	0.11	ND	0.15	ND	0.014	ND						
10/17/17	TC-8	10.2	9.89	88	7.05	4.5	ND	27	ND	ND	ND	ND	0.032	4.1	32	ND	ND	ND	0.18	ND	0.023	ND						
10/17/17	TC-9	10	7.91	46.2	7.16	0.02	ND	16	2.33	ND	ND	ND	0.038	2.7	42	ND	ND	ND	0.12	ND	0.0098	ND						
10/17/17	SS-5	9.6	9.64	303.8	7.38	0.2	ND	81	ND	ND	ND	0.84	0.037	26.9	155	ND	0.074	ND	0.13	ND	0.015	ND						
10/17/17	SS-10	11.2	8.55	435.6	7.78	23.05	ND	126	ND	ND	ND	1.2	0.04	37.8	206	20	0.15	ND	0.23	ND	0.012	ND						
10/17/17	SS-9	11.3	9.33	434.2	7.85	0.43	ND	128	ND	ND	ND	1.6	0.058	38.6	194	32	0.49	ND	0.77	ND	0.04	ND						
11/14/2017	TC-1	6.7	11.54	105	6.91	18.6	ND	30	ND	2.7	ND	0.7	0.036	6.2	53	ND	0.14	ND	0.687	ND	0.0047	ND						
11/14/2017	TC-7	6.3	13.72	65.3	6.92	0	ND	17	ND	ND	ND	0.26	0.035	5.4	35	ND	0.078	ND	0.15	ND	0.012	ND						
11/14/2017	TC-8	6.7	13.17	65.5	6.96	2.4	ND	21	ND	ND	ND	0.28	0.031	5.3	17	ND	0.055	ND	0.32	ND	0.011	ND						
11/14/2017	TC-9	6.4	10.91	35.7	7.04	4.17	ND	10	ND	ND	ND	ND	0.03	3.4	22	ND	0.083	ND	0.071	ND	0.0039	ND						
11/14/2017	SS-5	7	10.32	244.9	7.52	0	ND	67	ND	ND	ND	1.3	0.04	23.7	156	ND	ND	ND	0.07	ND	0.0063	ND						
11/14/2017	SS-10	6.6	11.11	340.8	7.78	4.11	ND	99	0.106	ND	ND	1.9	0.035	30.7	219	ND	0.076	ND	0.057	ND	0.003	ND						
11/14/2017	SS-9	7.1	10.75	344.2	7.81	0.02	ND	105	ND	ND	ND	2.1	0.04	30.6	146	ND	0.19	ND	0.31	ND	0.015	ND						
12/12/2017	TC-1	3.2	11.95	94.7	7.08	0	ND	29	ND	ND	ND	0.6	0.011	5.9	68	ND	ND	ND	ND	ND	ND	ND						
12/12/2017	TC-7	3.2	12.31	55.7	6.96	0	ND	16	ND	ND	ND	0.35	0.015	5.1	64	ND	ND	ND	0.055	ND	0.004	ND						
12/12/2017	TC-8	3.5	11.91	76.6	7.17	0	ND	17	ND	2.5	ND	0.42	0.013	5.2	74	ND	ND	ND	0.1	ND	0.008	ND						
12/12/2017	TC-9	3.3	11.78	40.4	7.12	0	ND	10	ND	2.3	ND	0.28	0.013	3.9	44	ND	0.051	ND	0.047	ND	0.0033	ND						
12/12/2017	SS-5	3.5	11.54	246.8	7.39	18.16	ND	65	ND	2.5	ND	2	0.023	23.9	158	ND	ND	ND	ND	ND	0.0033	ND						
12/12/2017	SS-10	3.3	11.78	360.9	7.71	14.8	ND	93	ND	ND	ND	2.5	0.02	32.5	179	ND	ND	ND	ND	ND	ND	ND						
12/12/2017	SS-9	3.8	11.68	332.4	7.74	0.5	ND	93	ND	ND	ND	2.8	0.02	32.9	206	ND	ND	ND	ND	ND	ND	ND						
1/16/2018	TC-1	0.1	15.16	105.7	6.91	0	ND	18	0.447	ND	ND	1	0.016	6.6	98	9	ND	ND	0.042	ND	ND	ND						
1/16/2018	TC-7	0	14.49	63.1	6.86	0.47	ND	11	0.483	ND	ND	0.64	0.037	5.4	51	ND	0.1	ND	0.11	ND	0.0049	ND						
1/16/2018	TC-8	0	14.15	84.3	7.08	2.27	6	16	0.477	ND	ND	0.84	0.035	5.5	52	5	0.059	ND	0.098	ND	0.0057	ND						
1/16/2018	TC-9	0	14.47	35	6.97	0	ND	8	0.469	2.5	ND	0.44	0.03	4.3	27	5	0.067	ND	0.07	ND	0.0034	ND						
1/16/2018	SS-5	0.3	13.84	219.7	7.2	22.67	ND	49	0.457	2.1	ND	2.3	0.038	22.9	70	ND	ND	ND	0.073	ND	0.0066	ND						
1/16/2018	SS-10	0	13.48	324.5	7.5	8.6	5	80	0.457	2.2	ND	3.2	0.031	31.9	287	ND	ND	ND	0.065	ND	0.0044	ND						
1/16/2018	SS-9	0	13.26	326.8	7.53	9.59	7	82	0.453	2.2	ND	3.4	0.036	32.6	258	9	0.14	ND	0.21	ND	0.0093	ND						
2/20/2018	TC-1	5.9	12.95	92.9	7.27	0	ND	17	0.289	ND	ND	0.82	0.058	6.8	55	ND	ND	ND	0.039	ND	ND	ND						
2/20/2018	TC-7	6	12.39	68.1	7.05	0	ND	12	0.287	ND	ND	0.62	0.05	6.4	40	ND	ND	ND	0.042	ND	ND	ND						
2/20/2018	TC-8	5.9	11.59	103.4	7.1	0.44	ND	15	0.295	ND	ND	0.72	0.053	7	64	ND	ND	ND	0.049	ND	0.0027	ND						
2/20/2018	TC-9	6.6	11.59	31.3	6.78	0	ND	7	0.285	ND	ND	0.34	0.052	4.6	40	ND	0.72	ND	0.047	ND	ND	ND						
2/20/2018	SS-5	6.7	11.4	191.7	7.12	6.76	ND	0.52	0.295	ND	ND	1.7	0.066	21.7	125	ND	ND	ND	0.059	ND	ND	ND						
2/20/2018	SS-10	6.5	11.91	269.7	7.63	64	ND	82	0.472	ND	ND	2.4	0.055	26.7	173	ND	ND	ND	0.049	ND	ND	ND						
2/20/2018	SS-9	6.4	11.89	288.5	7.64	16.08	ND	88	0.293	ND	ND	2.7	0.061	28.7	164	ND	ND	ND	0.084	ND	0.0036	ND						
3/20/2018	TC-1	3.9	13.65	81.2	7.24	0	ND	23	0.482	ND	ND	0.62	0.071	6	57	5	ND	ND	ND	ND	ND	ND						
3/20/2018	TC-7	3.1	13.65	47.7	7.31	0	ND	13	ND	ND	ND	0.4	0.036	4.6	53	ND	ND	ND	0.036	ND	0.0028	ND						
3/20/2018	TC-8	3	13.62	69.5	7.5	0	ND	15	0.214	ND	ND	0.56	0.035	5.5	37	ND	ND	ND	0.06	ND	0.0048	ND						
3/20/2018	TC-9	3	13.57	34	7.59	0	ND	9	ND	ND	ND	3.6	0.031	30.8	19	ND	ND	ND	0.033	ND	0.025	ND						
3/20/2018	SS-5	2	12.72	222.6	7.46	0	6	56	ND	ND	ND	2.2	22.7	121	ND	ND	ND	ND	ND	ND	ND	ND						
3/20/2018	SS-10	0.6	13.75	317.7	7.34	0	ND	93	0.251	ND	ND	3.3	0.033	29.8	169	11	0.1	ND	0.2	ND	0.0068	ND						
3/20/2018	SS-9	1.2	15.33	450.9	8.95	0.01	8	93	0.209	ND	ND	3.5	0.039	30.8	198	ND	ND	ND	0.032	ND	ND	ND						
4/24/2018	TC-1	9.4	12.8	78.6	8.57	0.39	9	27	0.296	2.6	ND	0.6	0.035	6.6	81	6	0.12	ND	0.055	ND	0.0038	ND						
4/24/2018	TC-7	9	12.67	41.9	8.43	3.5	ND	10	ND	2.5	ND	0.34	0.03	4.9	29	ND	0.082	ND	0.071	ND	0.005	ND						
4/24/2018	TC-8	9.4	12.45	69.3	7.97	9.79	ND	14	0.277	2.7	ND	0.52	0.029	6.2	44	5	0.068	ND	0.092	ND	0.0062	ND						
4/24/2018	TC-9	9	12.69	32.3	7.97	10.32	ND	8	0.302	2.7	ND	0.26	0.029	4.7	24	ND	0.069	ND	0.082	ND	0.0058	ND						
4/24/2018	SS-5	9.4	12.3	207.7	7.67	0.69	10	63	0.338	2.6	ND	1.7	0.043	23.5	116	ND	ND	ND	0.085	ND	0.0042	ND						
4/24/2018	SS-10	9.4	12.2	306.7	8.11	22.69	7	93	ND	3.2	ND	2.4	0.034	30.7	180	ND	0.15	ND	0.21	ND	0.0074	ND						
4/24/2018	SS-9	9.2	12.56	318.14	8.22	28.35	6	96	0.234	3.3	ND	2.7	0.035	30.3	207	ND	28	ND	0.4	ND	0.016	ND						
6/19/2018	TC-1	17.7	10.59	83.7	6.77	3.31	7	26	ND	ND	ND	0.54	0.056	5.8	59	ND	0.08	ND	0.13	ND	0.0085	ND						
6/19/2018	TC-7	16.8	10.46	46.8	6.56	10.58	10	14	ND	ND	ND	0.3	0.051	4.7	38	5	0.17	ND	0.23	ND	0.017	ND						
6/19/2018	TC-8	17.6	10.32	72.5	6.68	2.49	12	20	0.124	ND	ND	0.42	0.052	5.8	20	7	0.085	ND	0.18	ND	0.017	ND						
6/19/2018	TC-9	16.7	10.75	35.8	6.45	2.55	5	9	ND	ND	ND	0.24	0.048	4	41	5	0.19	ND	0.24	ND	0.019	ND						
6/19/2018	SS-5	17.9	9.81	230.7	6.88	4.55	13	74	ND	ND	ND	1.2	0.036	22.7	125	9	0.21	ND	0.33	ND	0.016	ND						
6/19/2018	SS-10	19.5	9.01	362.2	7.46	13.33	7	118	ND	ND	ND	1.7	0.054	32	197	23	0.26	ND	0.4	ND	0.035	ND						
6/19/2018	SS-9	18.5	9.52	375.6	7.53	12.33	8	123	ND	ND	ND	1.9	0.059	30.8	172	28	0.65	ND	1	ND	0.041	ND						
9/7/2018	TC-1	19.2	8.02	87.3	6.89	0.15	6	32	0.408	2.8	ND	0.38	0.043	4.4	93	5	0.18	ND	0.094	ND	0.0074	ND						
9/7/2018	TC-7	18.6	8.13	49.2	6.53	4.5	ND	25	ND	2.9	ND	0.22	0.015	3.5	44	ND	0.087	ND	0.18	ND	0.013	ND						
9/7/2018	TC-8	19.3	8.27	73	6.88	3.59	ND	26	0.339	2.5	ND	0.26	0.013	4	102	ND	0.083	ND	0.24	ND	0.023	ND						

on's Creek Watershed Sampling Program

Date	Sample Point	Temp (C)	Dissolved Oxygen (mg/L)	Specific Conductivity (uS)	pH	Turbidity (NTU)	Total Acidity	Total Alkalinity	Ammonia-N (mg/L)	Carbonaceous BOD (mg/L)	Total Residual Chlorine (mg/L)	Nitrate/Nitrite - N (mg/L)	Total Phosphorus (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Total Aluminum (mg/L)	Total Copper (mg/L)	Total Iron (mg/L)	Total Lead (mg/L)	Total Manganese (mg/L)	Total Zinc (mg/L)	Total Arsenic (mg/L)	Total Calcium (mg/L)	Total Magnesium (mg/L)	Total Nickel (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)
9/7/2018	TC-9	18.4	8.64	36.5	6.53	3.93	14	32	0.368	2.7	ND	ND	0.014	3	49	ND	0.1	ND	0.2	ND	0.012	ND						
9/7/2018	SS-5	19.1	7.58	245.7	7.08	0	5	81	ND	ND	ND	0.92	0.017	21.8	154	6	0.16	ND	0.26	ND	0.014	ND						
9/7/2018	SS-10	20	5.7	365.1	7.55	12.02	6	126	ND	2.9	ND	1.3	0.018	29.5	232	10	0.24	ND	0.41	ND	0.023	ND						
9/7/2018	SS-9	20	7.78	373.1	7.53	6.88	6	127	ND	2.3	ND	1.6	0.049	30.4	214	62	1.5	0.0056	2.5	ND	0.11	ND						
12/13/2018	TC-1	3.3	17.34	75.7	7.47	1.13	5	22	ND	2.3	ND	0.84	ND	6.2	6.1	ND	ND	ND	0.04	ND	0.0036	ND						
12/13/2018	TC-7	3.2	16.65	45.6	7.53	3.47	6	11	ND	ND	ND	0.6	ND	4.9	50	ND	ND	ND	0.047	ND	0.0056	ND						
12/13/2018	TC-8	3.1	16.78	64.3	7.42	14.56	8	14	ND	2.1	ND	0.78	ND	5.8	55	ND	ND	ND	0.073	ND	0.0089	ND						
12/13/2018	TC-9	3.5	16.97	34.1	7.38	4.21	6	10	ND	ND	ND	0.5	ND	4.4	51	ND	ND	ND	0.049	ND	0.0054	ND						
12/13/2018	SS-5	2.6	16.97	218.4	7.16	2.02	ND	59	0.119	ND	ND	2.9	ND	19.7	158	ND	ND	ND	ND	ND	ND	ND						
12/13/2018	SS-10	2.6	16.55	293.5	7.51	21.43	ND	85	0.125	ND	ND	4.1	ND	24.6	189	ND	ND	ND	ND	ND	ND	ND						
12/13/2018	SS-9	3	16.57	294.2	7.6	7.33	ND	73	0.123	ND	ND	4.1	ND	24.4	177	ND	ND	ND	0.032	ND	0.0047	ND						
3/22/2019	TC-1	5	15.45	85.5	7.31	11.07																						
3/22/2019	TC-7	4.4	15.33	36.1	7.21	3.42																						
3/22/2019	TC-8	4.3	15.15	77.2	7.11	4.09																						
3/22/2019	TC-9	4.4	15.1	29.4	7.07	3.89																						
3/22/2019	SS-5	4.6	14.91	144.5	7.03	8.91																						
3/22/2019	SS-10	4.1	14.85	224	7.44	2.62																						
3/22/2019	SS-9	4.1	15.11	228.6	7.51	6.86																						

Remaining results pending lab analysis.