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west virginia department of environmental protection

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Division of Water and Waste Management  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Telephone Number: (304) 926-0495  
Fax Number: (304) 926-0496

Austin Caperton, Cabinet Secretary  
dep.wv.gov

October 31, 2018

Jane Arnett, Utility Manager  
City of Charles Town  
Charles Town Utility Board  
832 S. George Street  
Charles Town, WV 25414

RE: WV/NPDES Permit Application  
No. WV0022349-H-Jefferson County

Dear Sir or Madam:

Your forms for WV/NPDES Individual Permit have been found to be complete.

For your information, we have scheduled the public notice period prescribed in Title 47, Series 10, Section 12.1.b of the West Virginia Legislative Rules issued pursuant to Chapter 22, Article 11 commences on the 7<sup>th</sup> day of November, 2018 in the *Spirit of Jefferson*.

**Within twenty (20) days after publication of the public notice, you are required to send to the Office a certificate of publication. This should be sent to:**

Director, Division of Water and Waste Management, DEP  
Permitting Section  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
Attention: Lori Devereux

Enclosed are copies of your draft permit, any required fact sheet and the public notice. If you have any questions, please do not hesitate to contact this office at 304-926-0495.

Sincerely,

A handwritten signature in blue ink that reads 'Lori Devereux'.

Lori Devereux  
NPDES Team

Enclosures

cc: Environmental Inspector Supervisor, Environmental Inspector

Promoting a healthy environment.

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER AND WASTE MANAGEMENT**

**PUBLIC NOTICE**

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S, PUBLIC INFORMATION OFFICE, 601 57TH STREET SE, CHARLESTON, WEST VIRGINIA 25304-2345 TELEPHONE: (304) 926-0440.**

**APPLICATION FOR A WEST VIRGINIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM WATER POLLUTION CONTROL PERMIT MODIFICATION**

**Public Notice No.:** L117-18

**Public Notice Date:** November 7, 2018

**Paper:** *Spirit of Jefferson*

The following has applied for a WV NPDES Water Pollution Control Permit Modification for this facility or activity:

**Appl. No.:** WV0022349

**Applicant:** CHARLES TOWN, CITY OF  
CHARLES TOWN UTILITY BOARD  
832 S GEORGE ST  
CHARLES TOWN, WV 25414

**Location:** CHARLES TOWN, JEFFERSON COUNTY

**Latitude:** 39:16:44

**Longitude:** 77:51:24

**Receiving Stream:**  
EVITTS RUN/Shenandoah River

**Activity:**

To accept non-domestic wastewater from Rockwool at the Charles Town's main wastewater treatment plant for ultimate treatment and discharge through Outlet 001 to Evitt's Run, a tributary Shenandoah River of the Potomac River. The terms and conditions imposed in the permit shall ensure that the discharge will not cause interference with POTW operations, pass-through the POTW and result in effluent limitation violations or receiving stream degradation, or adversely impact POTW sludge disposal.

**Business conducted:**  
Municipality

**Implementation:**  
NA

On the basis of review of the application, the "Water Pollution Control Act (Chapter 22, Article 11-8(a))," and the "West Virginia Legislative Rules," the State of West Virginia will act on the above application.

Any interested person may submit written comments on the draft permit modification and may request a public hearing by addressing such to the Director of the Division of Water and Waste Management within 30 days of the date of the public notice. Such comments or requests should be addressed to:

Director, Division of Water and Waste Management, DEP  
ATTN: Lori Devereux, Permitting Section  
601 57th Street SE

Charleston, WV 25304-2345

The public comment period begins November 7, 2018 and ends December 20, 2018.

#### Notice of Public Hearing

A public hearing has scheduled for the City of Charles Town, Charles Town, WV 25414 (WV0022349). The purpose of this hearing is to take additional comments on the draft permit modification regarding the City of Charles Town's request to accept non-domestic wastewater from ROCKWOOL.

The hearing has been scheduled to begin at 6:00 P.M. and end no later than 8:00 P.M. on Monday, December 10, 2018 at the:

Ranson Civic Center  
431 West 2<sup>nd</sup> Avenue  
Ranson, WV 26456

Oral and written comments will be accepted at the hearing. After the public hearing, the written comment period will close on December 20, 2018.

Comments received within this period will be considered prior to acting on the permit modification application. Correspondence should include the name, address and the telephone number of the writer and a concise statement of the nature of the issues raised. Interested persons may contact the public information office to obtain further information.

The application, draft permit modification and any required fact sheet may be inspected, by appointment, at the Division of Water and Waste Management Public Information Office, at 601 57th Street SE, Charleston, WV, between 8:00 a.m. and 4:00 p.m. on business days. Copies of the documents may be obtained from the Division at a nominal cost.



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Division of Water and Waste Management  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone (304) 926-0495  
Fax (304) 926-0497

Austin Caperton, Cabinet Secretary  
dep.wv.gov

**-DRAFT-**

Jane E. Arnett, Utility Manager  
City of Charles Town, Utility Board  
832 South George Street  
Charles Town, WV 25414

CERTIFIED RETURN RECEIPT REQUESTED

Re: WV/NPDES Permit No. WV0022349  
Modification No. 8

Dear Ms. Arnett:

This correspondence shall serve as Modification No. 8 of your existing WV/NPDES Water Pollution Control Permit No. WV0022349, issued the 21<sup>st</sup> day of July 2016.

After review and consideration of the information submitted on, and with, Permit Modification Application No. WV0022349-H, dated the 1<sup>st</sup> day of October 2018, the subject permit is hereby modified to incorporate the following:

1. The permittee may accept non-domestic wastewater from Rockwool (IU02) for treatment and disposal at the Charles Town's main wastewater treatment plant (design flow of 1.75 MGD). The non-domestic wastewater approved for acceptance consists of RO reject wastewater and water softener wastewater from the treatment of finished drinking water from the Jefferson Utilities, Inc. The maximum daily volume accepted shall not exceed 17,000 gallons per day. The actual volume of the non-domestic wastewater accepted shall be measured and recorded daily. The acceptance of any other non-domestic wastewater is prohibited.
2. Section F of the permit has been revised to incorporate the relative pretreatment requirements for acceptance of the non-domestic wastewater from ROCKWOOL. A revised Section F is attached to this modification.
3. Section A.IU02 has been incorporated into the permit which contains the relevant pretreatment monitoring requirements and limitations on the non-domestic wastewater from ROCKWOOL to ensure that the non-domestic wastewater does not cause pass-

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through or interference at the POTW and achieves sludge disposal criteria. Section A.IU02 is attached to this modification.

Enclosed, please find revised Section F pages 39 to 41 of 42, incorporated Section A.IU02 pages 15A-B of 42, and the relevant DMR forms. Please incorporate these into your Permit appropriately. All other terms and conditions of the Permit shall remain unchanged.

The Division reserves the right to disallow the continued acceptance of the subject wastewaters, or to require installation of additional pretreatment facilities, should the wastewater violate specified limitations, cause interference with POTW operations, pass-through the POTW and result in effluent limitation violations or receiving stream degradation, or adversely impact POTW sludge disposal. This Modification in no way relieves the permittee of its obligation to comply with all terms and conditions of its WV/NPDES Permit and shall not constitute an affirmative defense in any enforcement action brought against the permittee.

If you should have any questions or concerns in this regard, please do not hesitate to contact Matt Sweeney, P.E., of this office at (304) 926-0499 extension 1019.

Sincerely,

Harold D. Ward  
Acting Director

HDW:mls

cc: Environmental Inspector Supervisor (Jefferson County)  
United States Environmental Protection Agency, Region 3

Roxul USA Inc. d/b/a ROCKWOOL  
71 Edmond Road, Suite 6  
Kearneysville, WV 25340

Enclosures

**A.IU02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:  
Permit Limits**

During the period beginning effective date of modification and lasting through midnight 6/30/2021 the permittee is authorized to accept the discharge from Outlet Number(s) IU02 (Pretreatment - Non Significant Industrial User)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Quantity</u>		<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
00056 - (Flow Rate) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	17000 N/A	gpd N/A	N/A	N/A N/A	1/daily measured
00530 - (Total Suspended Solids) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/month 24 hr Composite
00400 - (pH) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only 5 Inst. Min.	Lbs/Day N/A	Rpt Only N/A	10 Inst. Max.	1/month Grab
01032 - (Chromium, Hexavalent) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/month 24 hr Composite
00940 - (Chloride (as Cl)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	5000 Max. Daily	1/month 24 hr Composite
01042 - (Copper, Total (as Cu)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/month 24 hr Composite
01105 - (Aluminum, Total (as Al)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	25 Max. Daily	1/month 24 hr Composite
01051 - (Lead, Total (as Pb)) (Year Round) (ML-4) (RF-A)	Rpt Only Avg. Monthly Max. Daily	Rpt Only N/A	Lbs/Day N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/month 24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
ROCKWOOL - Refer to Sections F.2.a.2 and F.2.b.2 for monitoring and sampling requirements.

**A.IU02 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:  
Permit Limits**

During the period beginning effective date of modification and lasting through midnight 6/30/2021 the permittee is authorized to accept the discharge from Outlet Number(s) IU02 (Pretreatment - Non Significant Industrial User)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Quantity</u>		<u>Units</u>		<u>Discharge Limitations</u>		<u>Other Units</u>		<u>Monitoring Requirements</u>		
	Rpt Only	Rpt Only	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	Measurement Frequency	Sample Type
01092 - (Zinc, Total (as Zn)) (Year Round) (ML-4) (RF-A)	Avg. Monthly	Max. Daily	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	1/month	24 hr Composite
01045 - (Iron, Total (as Fe)) (Year Round) (ML-4) (RF-A)	Rpt Only	Max. Daily	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	1/month	24 hr Composite
81017 - (Chem. Oxygen Demand) (Year Round) (ML-4) (RF-A)	Rpt Only	Max. Daily	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	1/month	24 hr Composite
00927 - (Magnesium, Tot (as Mg)) (Year Round) (ML-4) (RF-A)	Rpt Only	Max. Daily	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	1/month	24 hr Composite
01082 - (Strontium, Total (as Sr)) (Year Round) (ML-4) (RF-A)	Rpt Only	Max. Daily	Lbs/Day	Lbs/Day	N/A	Rpt Only	Avg. Monthly	Rpt Only	mg/l	1/month	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
ROCKWOOL - Refer to Sections F.2.a.2 and F.2.b.2 for monitoring and sampling requirements.

## Section F - Pretreatment (Industrial Users)

1. The permittee may accept non-domestic wastewater from the following Industrial User(s) providing each respective Industrial User maintains continued compliance with all applicable requirements of this section and all applicable limitations and monitoring requirements prescribed in Section A.IU01:

Industrial User Facility Name	Outfall	Classification
Charles Town Water Plant Slurry	IU01	IU
ROCKWOOL	IU02	IU

IU - Industrial User  
CIU - Categorical Industrial User  
SIU - Significant Industrial User

2. The acceptance of non-domestic wastewater from the Industrial Users listed in Section F.1 is subject to and contingent upon the following terms and conditions:

a. NON-DOMESTIC WASTEWATERS APPROVED FOR ACCEPTANCE:

- 1) The non-domestic wastewater approved for acceptance from the Charles Town Water Plant consists of slurry from the water plant settling basins. The slurry is approximately 6.5 percent (%) solids (65,000 mg/l). The slurry shall be accepted either into an isolated aerobic digester with a volume of 75,000 gallons or the holding tank with a volume of 71,000 gallons. However, the maximum daily flow of the slurry accepted shall not exceed 10,000 gallons. The actual flow accepted shall be estimated and recorded daily. A maximum of 80,000 gallons per month shall be accepted. The slurry shall be dewatered and processed through the belt press. The filtrate shall be sent to the headworks. The filtrate from the belt press shall be sampled. The water plant slurry and the sewage sludge need not be segregated for processing to the belt press.
- 2) The non-domestic wastewater approved for acceptance from Rockwool for treatment and disposal at the Charles Town's main wastewater treatment plant (design flow of 1.75 MGD) consists of reverse osmosis (RO) reject wastewater and water softener wastewater from the treatment of finished drinking water from the Jefferson Utilities, Inc. The maximum daily volume accepted shall not exceed 17,000 gallons per day. The actual volume of the non-domestic wastewater accepted shall be measured and recorded daily. The acceptance of any other non-domestic wastewater is prohibited.

b. SAMPLING PROCEDURES:

1) Charles Town Water Plant

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Sampling shall be done at the Wastewater Treatment Plant. Composite samples of the filtrate from the belt press shall be obtained by collection and combination of a minimum of three (3) equal volume aliquots spread evenly on the day of sampling.

2) ROCKWOOL

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A pH measurement shall be obtained at a time that is representative of normal operations.

24-hour composite samples shall be obtained by collection and combination of equal volume aliquots with aliquots accepted at approximately equal time intervals (minimum of 12 time intervals) over the daily discharge period.

c. SAMPLING AND MONITORING REQUIREMENTS:

- 1) Samples on non-domestic wastestreams shall be collected at the discharge point prior to its mixing with any other wastestream unless otherwise specified.
- 2) Sampling and analyses required by Section A.IU01 shall be conducted in accordance with sample collection, preservation, and analytical procedures specified in 40 CFR 136.
- 3) As specified in Section(s) A.IU01, quarterly monitoring periods are Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec.
- 4) If the permittee or industrial user monitors any parameter more frequently than required by Section(s) A.IU01, using procedures specified by Section F.2.c.2, then the results of additional monitoring must be reported.



## Section F - Pretreatment (Industrial Users)

2. c. 5) All industrial users shall maintain information relative to self-monitoring for a minimum of three (3) years. The information maintained shall include: the date, exact location, method, and time of sampling; the sample preservation techniques used; the name of the person taking the samples; the date(s) the analyses were performed; the name of the person performing the analyses; and the analytical results.
- 6) Reporting of monitoring required by Section(s) A.IU01 shall be submitted to the Division of Water and Waste Management along with the permittee's Discharge Monitoring Reports. Reports shall contain results of all analysis performed, and the estimated daily volume of the wastewater accepted. Reports shall be due on the 20th day of the month following the end of the monitoring period. The agency is now requiring the permittee to utilize our electronic discharge monitoring report (eDMR) system which is now mandatory. The permittee is not required to submit hard copies of the DMRs to the addresses listed below when using eDMR. Special circumstances may result in the agency granting an exemption to eDMR and are considered on case by case basis. If the permittee was exempted by the agency from using the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system and potential exemptions from using it. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the plant site and the DMRs shall be made readily available upon request for DEP personnel.

Director  
Division of Water and Waste Management  
601 57th Street, SE  
Charleston, West Virginia 25304  
Attn: Permitting Branch

### d. NOTIFICATION REQUIREMENTS:

- 1) All industrial users shall notify the permittee immediately of all discharges that could cause problems to the POTW, including any slug loadings, as defined by 40 CFR 403.5(b) of the Code of Federal Regulations.
- 2) All industrial users shall notify the permittee and the Division of Water and Waste Management of any discharge into the POTW of any substance, which otherwise disposed of, would be considered a hazardous waste under 40 CFR 261 of the Code of Federal Regulations unless they discharge less than fifteen (15) kilograms of non-acute hazardous waste in a calendar month.
- 3) For any instances that sampling results have a result of "non-detect", less than the minimum detection level (<MDL), the results shall be reported as less than the minimum detection level used. For example, if the laboratory results indicate non-detect for a parameter and the MDL is listed as 0.005 mg/l, the Industrial User shall indicate on the Discharge Monitoring Report for that parameter "< 0.005 mg/l". For purposes of averaging values, the Industrial User shall use zero for any values listed as non-detect at the MDL, when calculation averages. If all samples are listed as non-detect at the MDL, then the permittee should not use zero for the purposes of calculating averages, but should instead average all of the MDLs and then report the result as less than the average of the MDLs.
- 4) Each Industrial User shall submit a Discharge Monitoring Report for every monitoring period. If the Industrial User does not discharge any non-domestic waste to the POTW during a given monitoring period, the Industrial User shall still submit the appropriately filled out and signed Discharge Monitoring Report indicating "NO DISCHARGE" during the monitoring period.
- 5) Alternative discharge monitoring report forms shall not be used without prior approval from this Agency.

### e. PROHIBITED DISCHARGES:

- 1) Pollutants which create a fire or explosion hazard in the POTW (wastestreams with a closed cup flashpoint of less than 140 degrees F or 60 degrees C using test methods specified in 40 CFR 261.21 of the Code of Federal Regulations).
- 2) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference.

## Section F - Pretreatment (Industrial Users)

2. e.
  - 3) Heat in such quantities that the temperature at the POTW exceeds 40 degrees C (104 degrees F).
  - 4) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.
  - 5) Any trucked or hauled pollutants, except at discharge points designated by the POTW.
  - 6) Any pollutant(s) discharged in a quantity which has the potential to cause Pass Through or Interference.
  - 7) Pollutants which will cause corrosive structural damage to the POTW and, in no case, discharges with a pH lower than 5.0 S.U.
3. In addition to the conditions listed in Section F.2, the following conditions apply specifically to Categorical and Significant Industrial User facilities listed in Section F.1.
  - a. All baseline reports, reports on compliance, and self monitoring reports must be signed and certified in accordance with 40 CFR 403.12 of the Code of Federal Regulations.
  - b. If a Categorical Industrial User listed in Section F.1 conducts sampling that reveals a violation of their respective limitations prescribed in Section A or any of the prohibited discharges listed in Section F.2.e, the Categorical Industrial User shall notify the Director of said violation within 24 hours of becoming aware of the violation. In addition, the Categorical Industrial User shall repeat the sampling and analysis for the pollutant in violation and submit the results to the Director within 30 days.
4. Should any of the permittee's industrial users fail to comply with the specific terms and conditions pertaining to that specific industrial user in this permit, the permittee shall immediately contact said industrial user and identify the violation causing the noncompliance with the permit. The permittee shall take all reasonable, escalating enforcement steps, up to and including disallowing the continued acceptance of the nondomestic wastewater from the industrial user, to keep the industrial user compliant with the terms and conditions of the permit. Also, the permittee shall immediately inform the Agency of any current noncompliance by industrial users by attaching a written summary of these violations, the cause of each violation, and the steps taken to prevent their recurrence with the submitted Discharge Monitoring Reports. Should the permittee take all of the enforcement steps outlined above, these actions may be used as a mitigating factor to any enforcement actions taken upon the permittee for the noncompliance by the industrial users to the terms and conditions of Section F or Sections A.IU01 herein. However, the burden of proof in relation to the use of this mitigating factor shall lie exclusively upon the permittee. This condition shall not be used as a mitigating factor to any noncompliance associated with any other section of this permit, even if said noncompliance is, in whole or in part, caused by an industrial user.
5. The permittee shall ensure that the industrial users shall complete and submit a DMR in accordance with Section A of this permit. DMRs for industrial users shall be submitted in accordance with the agency's eDMR system as prescribed in Section C of this permit.
6. This Division reserves the right to disallow the continued acceptance of the nondomestic wastewater(s) from any of the facilities described in Section F.01, or to require installation of additional pretreatment facilities, should the wastewater violate specified limitations, cause interference or pass-through at the POTW and result in effluent limitation violations or receiving stream degradation, or adversely impact POTW sludge disposal. Approval of the permittee's acceptance of the indirect discharge(s) in no way relieves the permittee of its obligation to comply with all terms and conditions of its WV/NPDES Permit and shall not constitute an affirmative defense in any enforcement action brought against the permittee.