	Applicant: CHARLES TOWN, CITY OF	Type: Modify Existing NPDES
	Reference ID: WV0022349 FOR IU02 (10/01/2018)	Permit #9
	Status: ERIS - Admin. Incomplete	Permit ID: WV0022349
		Printed: Oct. 02, 2018 9:06 AM

Sections I - III: Facility Information

Applicant's Name:	
CHARLES TOWN, CITY OF	
Permit Number:	
WV0022349	
I.	NAME OF FACILITY:
	Charles Town Wastewater Treatment Plant
Attention:	
JANE ARNETT, UTILITY MGR.	
II.	FACILITY CONTACT
	A. Name (last, first, and title)
	ARNETT, JANE
	Title
	UTILITY MANAGER
	Email Address
	JARNETT@CHARLESTOWNUTILITIES.US
	B. Phone (area code & number): 304-724-3280 (###-###-####)
III.	FACILITY MAILING ADDRESS
	A. Street or Post Office Box:
	Address Line 1: CHARLES TOWN UTILITY BOARD
	Address Line 2: 832 S GEORGE ST
	B. City or Town: CHARLES TOWN
	Country: United States of America ▼
	State: West Virginia ▼
	Zip: 25414 PostalCode Ref.

Section IV: Facility Location

IV.	FACILITY LOCATION
	A. Street, Route No. or other specific identifier: 842 South George Street
	B. City, Town or Nearest Post Office: CHARLES TOWN

C. County:

Jefferson ▼

D. Zip:

25414

PostalCode Ref.

Directions to Site:

FROM DOWNTOWN CHARLES TOWN TAKE ROUTE 115 SOUTH TOWARDS THE ROUTE 340 BY-PASS AND THE WASTEWATER TREATMENT PLANT IS LOCATED APPROXIMATELY 3/4 MILE ON THE RIGHT SIDE OF ROUTE 115 AT 842 SOUTH GEORGE STREET.

Section V: Modification of Existing Permit**V. MODIFICATION OF EXISTING PERMIT**

- A. The applicant must present a detailed description with supporting drawings, water analyses, etc. as to exactly what modification is being applied for. A schedule of compliance (completion of final plans, commencement and completion of construction, operational level date, etc.), beginning at the time of permit modification issuance must also be provided where applicable. ☐ Paper ☐ Electronic

☒ Not Applicable

- B. Description of proposed modification

SEE ATTACHED INDUSTRIAL DISCHARGER SURVEY FORM, PRETREATMENT SECTION: INDUSTRIAL USERS AS PROVIDED BY THE PROPOSED INDUSTRIAL USER.

Section VI: Certification**VI. CERTIFICATION (see instructions)**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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 AND OFFICIAL TITLE:

Name:

JANE E. ARNETT

Title:

UTILITY MANAGER

B. SIGNATURE:

C. DATE SIGNED:

10/1/2018



Please Print, Sign, Scan and attach this document rather than mailing as a wet ink signature is no longer required.

Form: Statement For Billing. Class I

The CHARLES TOWN UTILITY BOARD, of which I am an

name of company or facility

authorized representative, has applied for a West Virginia National Pollutant Discharge Elimination System permit from the West Virginia Department of Environmental Protection, Division of Water and Waste Management. Under the West Virginia Legislative Rules, Title 47, Series 10, Section 12.1.c.2, the costs of publishing a Class I legal advertisement are to be paid by the applicant who must also send the certificate of publication to the Division of Water and Waste Management within twenty (20) days after publication..

The **CHARLES TOWN UTILITY BOARD**, hereby agrees to pay

name of company or facility

the cost of such legal advertisement. The publishing newspaper should send the certificate of publication and bill to:

Company or Facility name and address:

Name: **CHARLES TOWN UTILITY BOARD**

Address Line 1: **832 SOUTH GEORGE STREET**

Address Line 2:

Country: **United States of America** ▼

City: **CHARLES TOWN**

State: **West Virginia** ▼

Zip: **25414** PostalCode Ref.

JANE E. ARNETT, UTILITY MANAGER **304-724-3280** (###-###-####)
 authorized representative area code phone number

 Signature of Authorized Representative

Sworn and subscribed to before
 me this _____ day of _____, 20____.

Notary Public _____

Commission Expires _____

Sections 1, 3: IU Information

1. Name of Industrial User (IU): **ROXUL USA INC. D/B/A ROCKWOOL**

2. Mailing Address of IU:

Address Line 1: **71 EDMOND ROAD**

Address Line 2: **SUITE 6**

City: **KEARNEYSVILLE**

Country: **United States of America** ▼

State: **West Virginia** ▼

Zip: **25430** PostalCode Ref.

Authorized Official Representing IU:

Official Name: **KENNETH CAMMARATO**

Official Phone: **662-851-4734** (###-###-####)

Official Email: **KEN.CAMMARATO@ROCKWOOL.COM**

Sections 2, 4: IU Facility

3. Facility Address of IU	
Address Line 1:	365 GRANNY SMITH LANE
Address Line 2:	
City:	KEARNEYSVILLE
County:	Jefferson
State:	West Virginia
Zip:	25430
	PostalCode Ref
4&5. Facility Contact Information:	
Name:	METTE DREJSTEL
Phone:	905-878-8474 (###-###-####)
Email:	METTE.DREJSTEL@ROCKWOOL.COM

Sections 6 - 9: IU Water Information

6. Has the non-domestic wastewater from this IU been previously regulated or permitted?	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
If Yes, by whom? <input type="text"/>	
7. IU's Standard Industrial classification (SIC) Code: <input type="text" value="3296"/>	
8. Is the IU classified as a Categorical User according to 40 CFR 403?	
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	
If Yes, list Category from 40 CFR 405-471: <input type="text"/>	
9. Give a description of the activities and processes performed at the IU's facility that contribute to the non-domestic wastewater. Please attach MSDSs of materials used. If this is a modification to an existing IU, describe the nature of the proposed modification.	
<input type="text" value="SEE ATTACHED DESCRIPTION AS PROVIDED BY THE INDUSTRIAL USER."/>	

Sections 10 - 13: IU Water Data

10. Is the subject non-domestic wastewater pretreated by the IU?	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
If Yes, describe method(s) of pretreatment. Be as specific as possible.	
<input type="text"/>	
11. Provide the MAXIMUM Daily Flow of non-domestic wastewater to the POTW from this IU.	
Maximum Daily Flow Rate:	<input type="text" value="14,900"/> GPD <input type="radio"/> Measured <input checked="" type="radio"/> Estimated
12. If this IU is an existing discharger already regulated by the existing NPDES permit, review the previous 12 months of monitoring data for this IU and answer the following:	
Average Flow Rate (Last 12 Months):	<input type="text"/> GPD
Has the POTW submitted all of the required reports and analytical data <input type="radio"/> Yes <input checked="" type="radio"/> No	

of the IU to the WV DEP?

Has the IU been inspected by the POTW in the past 12 months?

☐ Yes ☒ No

13. List any other additional information. (Such as instances of noncompliance by the IU)

THIS IS A NEW FACILITY. WE HAVE CHECKED NO ON ITEMS UNDER
NUMBER 12 ABOVE SINCE THIS FACILITY HAS NOT YET BEEN
CONSTRUCTED.



Pace Analytical Services
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

782 North Lee Highway
Lexington, VA 24450
TEL: 540.464.1880

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Friday, September 07, 2018

Mr. Matt Hurst
ENVIRONMENTAL RESOURCES MANAGEMENT
204 CHASE DR
HURRICANE, WV 25526

TEL: (304) 757-4777
FAX:

RE: ROXUL POTW SAMPLES

Work Order #: 18090168

Dear Mr. Matt Hurst:

Pace Analytical Services received 2 sample(s) on 9/5/2018 for the analyses presented in the following report.

Sincerely,

Jimmy Suttle
Project Manager
(304) 250-6234



Pace Analytical Services - Case Narrative

WO#: 18090168

Date Reported: 9/7/2018
Original

Client: ENVIRONMENTAL RESOURCES MANAGEMENT
Project: ROXUL POTW SAMPLES

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PAVA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

This report may not be reproduced, except in full, without the written approval of REIC.

DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00261, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Lexington, VA: VADCLS(VELAP) 460150

Morgantown, WV: WVDHHR 003112M, WVDEP 387

Pace Analytical Services - Analytical Report

WO#: 18090168

Date Reported: 9/7/2018
Original

Client:	ENVIRONMENTAL RESOURCES MANAGEMENT	Collection Date:	9/4/2018 3:00:00 PM
Project:	ROXUL POTW SAMPLES	Date Received:	9/5/2018
Lab ID:	18090168-01A	Matrix:	Liquid
Client Sample ID:	BURR INDUSTRIAL PARK	Site ID:	ROXUL

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
METALS BY ICP								
	Method: EPA 200.7 Rev. 4.4 (1994)						Analyst: JD	
Aluminum	2.71	0.006	0.100	NA		mg/L	9/5/2018 7:53 PM	
Iron	0.016	0.010	0.100	NA	J	mg/L	9/5/2018 7:53 PM	
Magnesium	8.07	0.050	0.500	NA		mg/L	9/5/2018 7:53 PM	
Manganese	ND	0.003	0.100	NA		mg/L	9/5/2018 7:53 PM	
Molybdenum	ND	0.020	0.100	NA		mg/L	9/5/2018 7:53 PM	
Potassium	1.15	0.070	0.500	NA		mg/L	9/6/2018 10:49 AM	
Silver	ND	0.003	0.050	NA		mg/L	9/5/2018 7:53 PM	
Sodium	5.54	0.100	1.00	NA		mg/L	9/6/2018 10:49 AM	
Strontium	1.24	0.001	0.010	NA		mg/L	9/6/2018 1:47 PM	
Tin	ND	0.030	0.100	NA		mg/L	9/6/2018 1:47 PM	
Zinc	0.010	0.004	0.050	NA	J	mg/L	9/5/2018 7:53 PM	
METALS BY ICP-MS								
	Method: EPA 200.8 Rev. 5.4 (1994)						Analyst: CGW	
Arsenic	ND	0.0010	0.0050	0.0100		mg/L	9/6/2018 12:57 PM	
Barium	0.0399	0.0010	0.0050	2.00		mg/L	9/6/2018 12:57 PM	
Cadmium	ND	0.0002	0.0010	0.0050		mg/L	9/6/2018 12:57 PM	
Chromium	ND	0.0010	0.0050	0.100		mg/L	9/6/2018 12:57 PM	
Copper	0.0020	0.0010	0.0050	1.30	J	mg/L	9/6/2018 12:57 PM	
Lead	ND	0.0002	0.0010	0.0150		mg/L	9/6/2018 12:57 PM	
Nickel	ND	0.0020	0.0100	0.100		mg/L	9/6/2018 12:57 PM	
Selenium	ND	0.0030	0.0050	0.0500		mg/L	9/6/2018 12:57 PM	
MERCURY, Total E245.1								
	Method: EPA 245.1, Rev. 3.0 (1994)						Analyst: JH	
Mercury	ND	0.0001	0.0010	NA		mg/L	9/7/2018 2:37 PM	PA/VA
SULFITE - Lab Test, Hold Time Expired:								
	Method: SM4500-S03 B-2000						Analyst: VS	
Sulfite	0.800	NA	2.00	NA	JH	mg/L	9/7/2018 11:07 AM	
ANIONS by ION CHROMATOGRAPHY								
	Method: EPA 300.0, Rev.2.1 (1993)						Analyst: CF	
Chloride	11.1	0.20	1.00	250		mg/L	9/5/2018 1:43 PM	
Fluoride	0.08	0.05	0.20	4.00	J	mg/L	9/5/2018 1:43 PM	
Sulfate	10.9	1.00	5.00	250		mg/L	9/5/2018 1:43 PM	

WO#: 18090168

Client:	ENVIRONMENTAL RESOURCES MANAGEMENT	Collection Date:	9/4/2018 3:00:00 PM
Project:	ROXUL POTW SAMPLES	Date Received:	9/5/2018
Lab ID:	18090168-01A	Matrix:	Liquid
Client Sample ID:	BURR INDUSTRIAL PARK	Site ID:	ROXUL

Page 4 of 7

Pace Analytical Services - Analytical Report

WO#: 18090168

Date Reported: 9/7/2018
Original

Client:	ENVIRONMENTAL RESOURCES MANAGEMENT	Collection Date:	9/4/2018 3:30:00 PM
Project:	ROXUL POTW SAMPLES	Date Received:	9/5/2018
Lab ID:	18090168-02A	Matrix:	Liquid
Client Sample ID:	BEALLAIR	Site ID:	ROXUL

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
METALS BY ICP		Method: EPA 200.7 Rev. 4.4 (1994)					Analyst: JD	
Aluminum	ND	0.006	0.100	NA		mg/L	9/5/2018 7:56 PM	
Iron	ND	0.010	0.100	NA		mg/L	9/5/2018 7:56 PM	
Magnesium	26.3	0.050	0.500	NA		mg/L	9/5/2018 7:56 PM	
Manganese	ND	0.003	0.100	NA		mg/L	9/5/2018 7:56 PM	
Molybdenum	ND	0.020	0.100	NA		mg/L	9/5/2018 7:56 PM	
Potassium	2.39	0.070	0.500	NA		mg/L	9/6/2018 10:52 AM	
Silver	ND	0.003	0.050	NA		mg/L	9/5/2018 7:56 PM	
Sodium	15.8	0.100	1.00	NA		mg/L	9/6/2018 10:52 AM	
Strontium	3.64	0.001	0.010	NA		mg/L	9/6/2018 1:56 PM	
Tin	ND	0.030	0.100	NA		mg/L	9/6/2018 1:56 PM	
Zinc	0.019	0.004	0.050	NA	J	mg/L	9/5/2018 7:56 PM	
METALS BY ICP-MS		Method: EPA 200.8 Rev. 5.4 (1994)					Analyst: CGW	
Arsenic	ND	0.0010	0.0050	0.0100		mg/L	9/6/2018 1:15 PM	
Barium	0.148	0.0010	0.0050	2.00		mg/L	9/6/2018 1:15 PM	
Cadmium	ND	0.0002	0.0010	0.0050		mg/L	9/6/2018 1:15 PM	
Chromium	ND	0.0010	0.0050	0.100		mg/L	9/6/2018 1:15 PM	
Copper	0.0051	0.0010	0.0050	1.30		mg/L	9/6/2018 1:15 PM	
Lead	0.0004	0.0002	0.0010	0.0150	J	mg/L	9/6/2018 1:15 PM	
Nickel	ND	0.0020	0.0100	0.100		mg/L	9/6/2018 1:15 PM	
Selenium	ND	0.0030	0.0050	0.0500		mg/L	9/6/2018 1:15 PM	
MERCURY, Total E245.1		Method: EPA 245.1, Rev. 3.0 (1994)					Analyst: JH	
Mercury	ND	0.0001	0.0010	NA		mg/L	9/7/2018 2:31 PM	PA/VA
SULFITE - Lab Test, Hold Time Expired:		Method: SM4500-S03 B-2000					Analyst: VS	
Sulfite	2.80	NA	2.00	NA	H	mg/L	9/7/2018 11:08 AM	
ANIONS by ION CHROMATOGRAPHY		Method: EPA 300.0, Rev.2.1 (1993)					Analyst: CF	
Chloride	28.5	0.20	1.00	250		mg/L	9/5/2018 3:06 PM	
Fluoride	0.39	0.05	0.20	4.00		mg/L	9/5/2018 3:06 PM	
Sulfate	22.1	1.00	5.00	250		mg/L	9/5/2018 3:06 PM	

Pace Analytical Services - Analytical Report

WO#: 18090168

Date Reported: 9/7/2018
Original

Client:	ENVIRONMENTAL RESOURCES MANAGEMENT	Collection Date:	9/4/2018 3:30:00 PM
Project:	ROXUL POTW SAMPLES	Date Received:	9/5/2018
Lab ID:	18090168-02A	Matrix:	Liquid
Client Sample ID:	BEALLAIR	Site ID:	ROXUL

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
ANIONS by ION CHROMATOGRAPHY:			Method: EPA 300.0, Rev.2.1 (1993)			Analyst: CF		
Nitrogen, Nitrate	3.46	0.10	0.50	10.0		mg/L	9/5/2018 4:05 PM	
Nitrogen, Nitrite	0.08	0.05	0.50	1.00	J	mg/L	9/5/2018 3:06 PM	
PHENOLICS			Method: EPA 420.1, Rev. 1978)			Analyst: SF		
Phenolics	ND	0.005	0.010	NA		mg/L	9/6/2018 12:39 PM	PA/VA
ALKALINITY to pH 4.3			Method: SM2320 B-1997			Analyst: VS		
Alkalinity, Total (As CaCO ₃)	289	1.0	20.0	NA		mg/L	9/5/2018 6:31 PM	PA/VA



Pace Analytical Services, I.J.C.
PO Box 684056
Chicago, IL 60695-4056
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: ERM006	Work Order Number: 18090168	
RCPNo: 1	Date and Time Received: 9/5/2018 10:20:19 AM	Received by: Mary Ann Holley
Completed By: Mary Ann Holley	Reviewed By: Jimmy Suttle	
Completed Date: 9/5/2018 10:44:33 AM	Reviewed Date: 9/8/2018 11:43 AM	

Carrier Name: **FedEx**

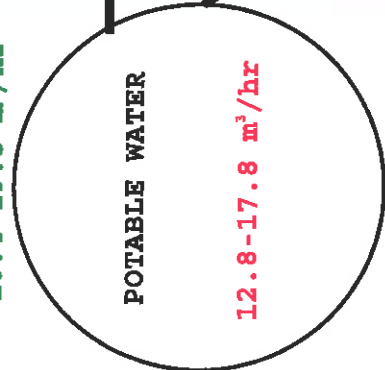
- | | | | |
|--|---|-----------------------------|---|
| 1. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 2. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 3. Are matrices correctly identified on Chain of custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 4. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Custody seals intact? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 6. Samples in proper container type and preservative? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Were correct preservatives noted on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 8. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Were container labels complete? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Sample Temp. taken and recorded upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | To 2.4 °C |
| 14. Water - Were bubbles absent in VOC vials? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No Vials <input checked="" type="checkbox"/> |
| 15. Are Samples considered acceptable? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 16. COC filled out properly? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Client Notification/Response

Client Name: ERM006	Work Order Number: 18090168
Comment:	
Client Contacted: Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	Person Contacted:
Contact Mode: Phone <input type="checkbox"/> Fax: <input type="checkbox"/> Email: <input type="checkbox"/>	In Person: <input type="checkbox"/>
Date Contacted:	Contacted By:
Regarding:	
Client Instructions:	
Corrective Action:	

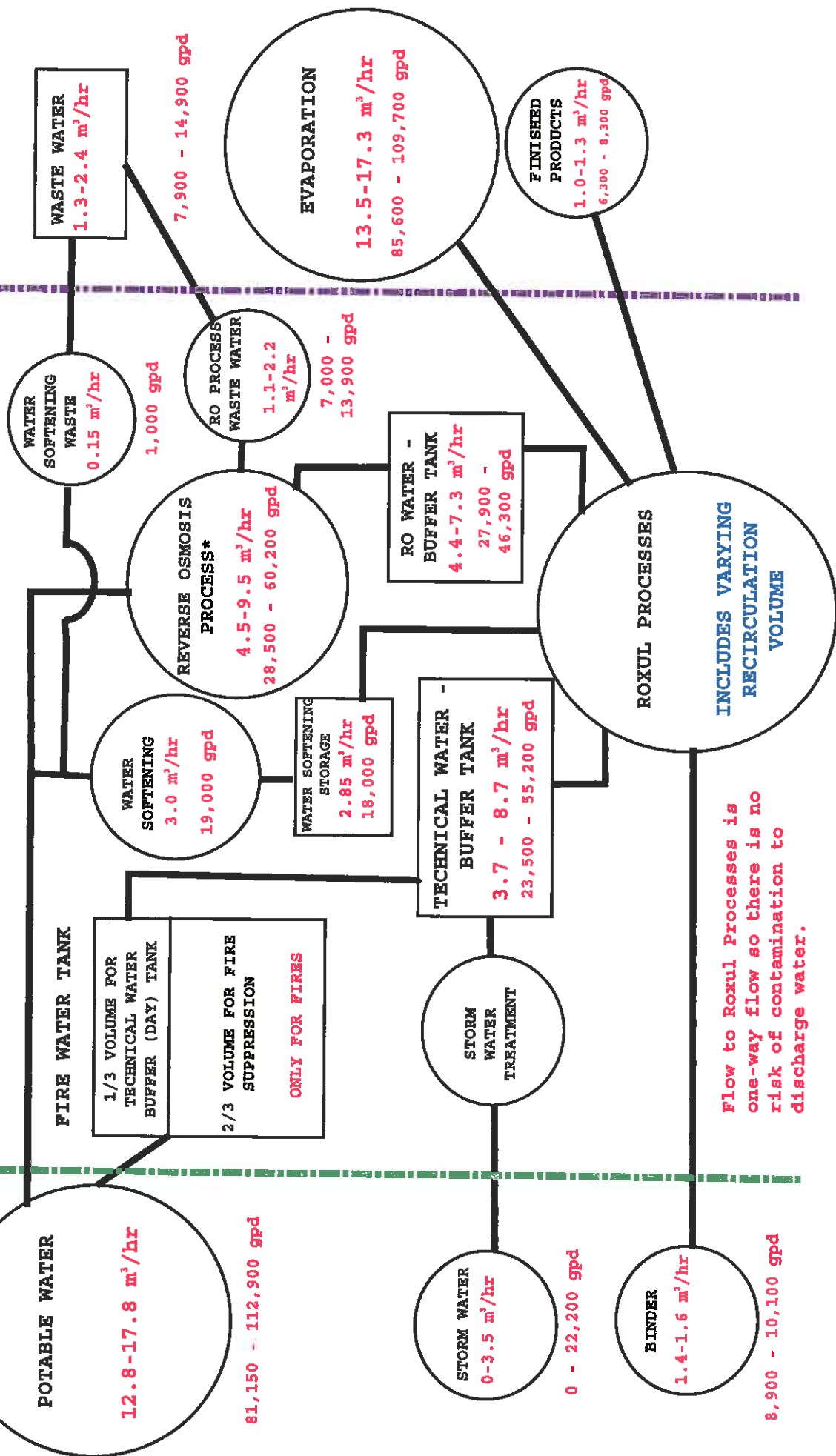
INPUTS

16.4-19.5 m³/hr



PROCESSES

*Reverse Osmosis Process includes Softening, Carbon Filter and Reverse Osmosis Unit.



OUTPUTS

16.4-19.5 m³/hr



Flow to Roxul Processes is one-way flow so there is no risk of contamination to discharge water.

Summary Table of Burr Industrial Sample, taken 9/4/2018

Constituent Name	Pace Laboratory Sample, 9/4/18 (mg/L)	Mass Loading to Waste Stream (kg/day)	Concentration of Waste Stream (mg/L)
Magnesium	8.07	2.15	37.9
Sodium	5.54	113	1990
Potassium	1.15	0.59	9.7
Strontium	1.24	0.63	10.5
Barium	0.0399	0.0204	0.338
Iron	0.016	0.003	0.07
Manganese	ND	-	-
Zinc	0.010	0.002	0.046
Chloride	11.1	155	2740
Nitrate	4.71	1.2	21.8
Nitrite	0.08	0.02	0.4
Sulfate	10.9	4.8	94.3
Fluoride	0.08	0.04	0.6
Lead	ND	-	-
Aluminum	2.71	0.71	12.5
Copper	0.002	0.0004	0.009
Silver	ND	-	-
Arsenic	ND	-	-
Mercury	ND	-	-
Cadmium	ND	-	-
Chromium	ND	-	-
Nickel	ND	-	-
Selenium	ND	-	-
Molybdenum	ND	-	-
Tin	ND	-	-
Phenolics	0.010	0.003	0.046
Sulfite	0.800	0.21	3.70



Applicant:	CHARLES TOWN, CITY OF	Type:	Modify Existing NPDES Permit
Reference ID:	WV0022349 FOR IU02 (10/01/2018)	Permit ID:	WV0022349
Form: Statement For Billing, Class I			
Status	New	Printed:	Oct. 01, 2018 12:05 PM

The CHARLES TOWN UTILITY BOARD, of which I am an
name of company or facility
authorized representative, has applied for a West Virginia National Pollutant Discharge Elimination System permit from the West Virginia Department of Environmental Protection, Division of Water and Waste Management. Under the West Virginia Legislative Rules, Title 47, Series 10, Section 12.1.c.2, the costs of publishing a Class I legal advertisement are to be paid by the applicant who must also send the certificate of publication to the Division of Water and Waste Management within twenty (20) days after publication..

The CHARLES TOWN UTILITY BOARD, hereby agrees to pay
name of company or facility
the cost of such legal advertisement. The publishing newspaper should send the certificate of publication and bill to:
Company or Facility name and address:

Name: CHARLES TOWN UTILITY BOARD
Address Line 1: 832 SOUTH GEORGE STREET
Address Line 2:
Country: United States of America ☐
City: CHARLES TOWN
State: West Virginia ☐
Zip: 25414 PostalCode Ref.

JANE E. ARNETT, UTILITY MANAGER 304-724-3280 (###-###-####)
authorized representative area code phone number

Jane E. Arnett
Signature of Authorized Representative

Sworn and subscribed to before
me this 1st day of
October, 20 18.
Melanie D. Heather
Notary Public
Sept. 26, 2019
Commission Expires

NOTARY PUBLIC OFFICIAL SEAL
MELANIE D. HEATHER
State of West Virginia
My Comm. Expires Sep 26, 2019
Charles Town Utility Board
108W Congress St Charles Town WV 25414



Charles Town

Utility Board

832 S. George Street, P.O. Box 359, Charles Town, WV 25414
Phone: (304) 725-2316 ♦ Fax: (304) 725-4313 ♦ Web: www.charlestownutilities.us

October 1, 2018

Harold D. Ward

Acting Director, Division of Water and Waste Management
West Virginia Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

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BOARD

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Hennessy*

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UTILITY
MANAGER
*Jane E.
Arnold*

Re: Cover Letter to Form M – Permit Modification
To NPDES Permit No. WV0022349

Dear Mr. Ward:

On behalf of the City of Charles Town, the Charles Town Utility Board hereby submits the attached modification application for WV/NPDES Water Pollution Control Permit No. WV0022349. The Charles Town Utility Board hereby requests that Permit No. WV0022349 be modified based on the Form M application to add Industrial User IU02. This request is based on the attached Industrial Discharger Survey Form, Pretreatment Section: Industrial Users (IU) as provided by Roxul USA, Inc. d/b/a ROCKWOOL. Additional pertinent information is also attached as provided by ROCKWOOL.

The Charles Town Utility Board understands that the WVDEP will determine whether this modification request is considered a minor modification or a major modification. In either case, the Board requests that the WVDEP conduct a public hearing in Jefferson County in accordance with its regular procedures prior to issuing this permit modification.

Thank you for your prompt attention to this matter. If you have any questions or need additional information, please call 304-724-3280.

Respectfully submitted,
Charles Town Utility Board

By: *Jane E. Arnold*

pc:
West Virginia Department of Environmental Protection
Environmental Enforcement
22288 Northwestern Pike
Romney, WV 26757

Regional Administrator
EPA Region III
1650 Arch Street
Philadelphia, PA 19103

West Virginia Bureau for Public Health
Office of Environmental Health Services / EED
1 Davis Square, Suite 200
Charleston, WV 25301

West Virginia Department of Environmental Protection

Personal Information Policy Statement

We will process your personal information (email address, mailing address and/or telephone number) in accordance with the State of West Virginia's Privacy Policy for appropriate and customary business purposes. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. The Division of Water and Waste Management will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact the DEP's Chief Privacy officer at depprivacyofficer@wv.gov.

PRETREATMENT SECTION: INDUSTRIAL USERS (IU)

**NOTE: COMPLETE THIS SECTION FOR EACH INDUSTRIAL DISCHARGER.
MAKE ADDITIONAL COPIES FOR ADDITIONAL IUS.
ALL FIELDS ARE REQUIRED TO BE FILLED OUT.**

1. Name of Industrial User (IU): Roxul USA Inc. d/b/a ROCKWOOL

2. Facility Address of IU : 365 Granny Smith Lane
Kearneysville, WV 25340

3. Mailing Address of IU : 71 Edmond Road, Suite 6
Kearneysville, WV 25430

4. Name of IU Facility Contact: Mette Dreijstel

5. Telephone Number of IU Facility Contact: 905-878-8474

6. Has the non-domestic wastewater from this IU been previously regulated or permitted?

() Yes (X) No

If so, by whom? _____

7. IU's Standard Industrial Classification (SIC) Code: 3296

8. Is the IU classified as a Categorical User according to 40 CFR 403?

() Yes (X) No Unknown ()

If so, list Category from 40 CFR 405-471. _____

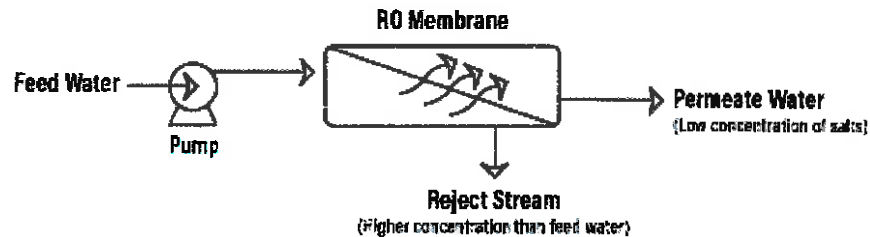
9. Give a description of the activities and processes performed at the IU's facility that contribute to the non-domestic wastewater. Please attach MSDSs of materials used.

If this is a modification to an existing IU, describe the nature of the proposed modification.

The proposed facility will consist of a 460,000-square-foot manufacturing facility on an estimated 130 acres site in Jefferson County, West Virginia. The plant will produce mineral wool insulation for building insulation, customized solutions for industrial applications and similar applications. The input water for this facility will come from Jefferson Utilities, Inc. (JUI). Water used in the industrial manufacturing process is primarily for cooling, and will be recirculated until evaporated. There is no discharge from the manufacturing process area.

Water that is discharged to the non-domestic wastewater stream will not contact any portion of the manufacturing processes. The plant processes that will discharge non-domestic wastewater are the effluent from the Reverse Osmosis (RO) Process and effluent from the Water Softening Process. Attached is a **Water Balance Diagram which provides an overview of water flow in this facility. A maximum of 14,900 gpd will be discharged as non-domestic wastewater. The remaining portion will leave the facility through evaporation.**

The RO Process will take JUI water and further purify the water by sending the water through a water softener, carbon filter and then through the RO unit. The RO permeate water will be used within the manufacturing process where ultra filtered water is necessary and ultimately used as cooling water and evaporated. The RO Process shown in the simplified diagram below, is a water treatment process that removes constituents such as metals and salts from the JUI supplied water by using pressure to force water molecules through a semipermeable membrane. During this process, the constituents are filtered out as the RO reject stream. In the reject stream the original JUI constituents are concentrated compared to incoming JUI water but nothing is added from the manufacturing process.



Due to the hardness of the JUI water, an additional separate softener unit will be used for manufacturing processes that will ultimately be evaporated. The effluent from the softening process will be water softener effluent only and added salt from the softening process with no water from the manufacturing process added.

Effluent from the RO Process will provide a maximum estimated effluent stream of 13,900 gpd. Effluent from the separate Water Softening Process will provide a maximum estimated effluent stream of 1,000 gpd. Effluent from both processes will be discharged to the Charles Town WWTP. The non-domestic wastewater discharge will be metered and sampled on-site before entering the common waste stream which is pumped out via an on-site pump station.

The source water for the facility will be provided by Jefferson Utilities, Inc. A water sample from the Burr Industrial system was taken on 09/04/18, analyzed by Pace Labs. Attached is a **Summary Table** of constituents analyzed from the Pace Labs sample from the Burr Industrial system. Mass loading was calculated based on available flow rates summarized on the **Water Balance Diagram**, attached.

PRE-TREATMENT INDUSTRIAL USERS TREATMENT SECTION CONT.

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10. Is the subject non-domestic wastewater pretreated by the IU?

() Yes (☒) No

If so, describe method(s) of pretreatment. Be as specific as possible. _____

11. Provide the MAXIMUM Daily Flow of non-domestic wastewater to the POTW from this IU.

Maximum Daily Flow Rate: 14,900 GPD () Measured (☒) Estimated

The maximum daily flow rate is estimated from design process flow information summarized in the attached **Water Balance Diagram.**

12. If this IU is an existing discharger already regulated by the existing NPDES permit, review the previous 12 months of monitoring data for this IU and answer the following: Not Applicable

Average Flow Rate (Last 12 Months): _____ GPD

Has the POTW submitted all of the required reports and analytical data of the IU to the WV DEP? () Yes () No

Has the IU been inspected by the POTW in the past 12 months? () Yes () No

13. List any other additional information. (Such as instances of noncompliance by the IU)

This is a new facility under construction.



Applicant:	CHARLES TOWN, CITY OF	Type:	Modify Existing NPDES Permit
Reference ID:	WV0022349 FOR IU02 (10/01/2018)	Permit ID:	WV0022349
Form: Statement For Billing, Class I			
Status	New	Printed:	Oct. 01, 2018 12:05 PM

The CHARLES TOWN UTILITY BOARD, of which I am an

name of company or facility

authorized representative, has applied for a West Virginia National Pollutant Discharge Elimination System permit from the West Virginia Department of Environmental Protection, Division of Water and Waste Management. Under the West Virginia Legislative Rules, Title 47, Series 10, Section 12.1.c.2, the costs of publishing a Class I legal advertisement are to be paid by the applicant who must also send the certificate of publication to the Division of Water and Waste Management within twenty (20) days after publication..

The CHARLES TOWN UTILITY BOARD, hereby agrees to pay

name of company or facility

the cost of such legal advertisement. The publishing newspaper should send the certificate of publication and bill to:

Company or Facility name and address:

Name:	<u>CHARLES TOWN UTILITY BOARD</u>		
Address Line 1:	<u>832 SOUTH GEORGE STREET</u>		
Address Line 2:			
Country:	<u>United States of America</u>	v	
City:	<u>CHARLES TOWN</u>		
State:	<u>West Virginia</u>	v	
Zip:	<u>25414</u>	Postal Code Ref.	

JANE E. ARNETT, UTILITY MANAGER

authorized representative

304-724-3280

(###-###-####)

area code, phone number

Jane E. Arnett
Signature of Authorized Representative

Sworn and subscribed to before
me this 16th day of

October, 20 18

Melanie D. Heather
Notary Public

Sept. 26, 2019

Commission Expires

