



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
dep.wv.gov

May 10, 2019

CERTIFICATION



**RE: WV/NPDES Permit Registration Number WVG611874
Jefferson County Development Authority and TeMa USA, LLC
Jefferson County**

APPEAL NO.: 19-08-EQB

I, Harold D. Ward, Acting Director, Division of Water and Waste Management, Department of Environmental Protection, in compliance with Chapter 22B, Article 1, Section 7(e), Code of West Virginia, as amended, do hereby certify that the enclosed is a true and accurate reproduction of the record of the proceedings out of which the appeal arises including documents and correspondence in the Director's file relating to the matter in question. Due to reproduction problems, maps have been omitted. These items are available for inspection at the Division of Water and Waste Management in Charleston.

DIVISION OF WATER AND WASTE MANAGEMENT

Harold D. Ward

Harold D. Ward
Acting Director

HDW:ld

Enclosures

Appeal
Jefferson County
Development
Authority
WVG611874



West Virginia Environmental Quality Board

601 57th Street, S.E.
Charleston, West Virginia 25304

Phone: (304) 926-0445
Fax: (304) 926-0486
www.wveqb.org

MEMORANDUM

DATE: May 1, 2019

TO: Harold D. Ward, Deputy Director
Division of Water and Waste Management
WV Department of Environmental Protection

FROM: Jackie D. Shultz, Clerk *JDS*
Environmental Quality Board

RE: *Request for Certified File - Appeal No. 19-08-EQB*

Attached is Appeal No. 19-08-EQB, which was filed with the Environmental Quality Board on April 29, 2019. Within fourteen (14) days after receipt of this appeal, you must prepare, certify and provide to the Environmental Quality Board a complete record of the proceedings out of which the appeal arises, including all documents and correspondence in the Director's file relating to the matter in question. The record must be presented in chronological order and each page must be consecutively numbered.

The Certified File in this matter is due on May 15, 2019.

Thank you for your attention to this matter.

**WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA**

David C. Tabb,

Appellant,

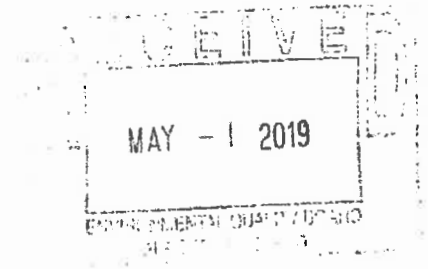
v.

Appeal No. 19-08-EQB

Harold Ward, Deputy Secretary for Operations,
Division of Water and Waste Management
Department of Environmental Protection, and

Jefferson County Development Authority, and

TeMa USA, LLC.,
Appellees.



RULE 11 CERTIFICATION

I, Christian J. Riddell, do swear that I have reviewed the filing and information contained herein and, based on my review, believe that the appeal attached hereto is in compliance with Rule 11 of the West Virginia Rules of Civil Procedure.

Christian J. Riddell, Esq. State Bar#12202
Stedman & Riddell
329 S. Queen Street Martinsburg, WV 25401
(304) 267-3949

WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA

David C. Tabb,

Appellant,

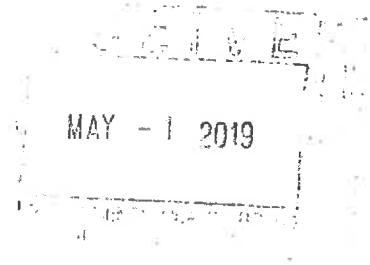
v.

Appeal No. 19-08-EOB

Harold Ward, Deputy Secretary for Operations,
Division of Water and Waste Management
Department of Environmental Protection, and

Jefferson County Development Authority, and

TeMa USA, LLC.,
Appellees.



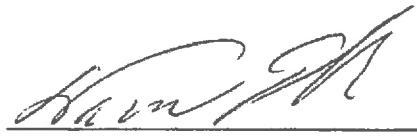
NOTICE OF APPEAL

Action Complained Of: The Appellant named above respectfully represent(s) that he is aggrieved by the issuance of a storm water permit dated October 12, 2018; Revised February 4, 2019; Issued March 29, 2019.

Relief Requested: The Appellant therefore prays that this matter be reviewed and that the Board grant the following relief to wit: vacating and holding for naught the permit issued (#WVG611874) on March 29, 2019.

Specific Objections: The specific objections to the action, including both questions of fact and law to be determined by the Board, are set forth in detail in separate numbered paragraphs and attached hereto.

Dated this 29 day of April, 2019.



(Signature)

107 TABBS LN

(Address)

Harpers Ferry WV 25425

304 676 5976

(Telephone)

WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA

David C. Tabb,

Appellant,

v.

Appeal No. 19-08-EQB

Harold Ward, Deputy Secretary for Operations,
Division of Water and Waste Management
Department of Environmental Protection, and

Jefferson County Development Authority, and

TeMa USA, LLC.,
Appellees.

MAY - 1 2019

SPECIFIC OBJECTIONS AND RELIEF REQUESTED

Now comes Appellant, David Tabb, and files his *Notice of Appeal* on Jefferson County Development Authority/TeMa USA, LLC., (Permit # WVG611874) issued date March 29, 2019.

Appellant makes the following specific objections pursuant to WV CSR §46-4-2(c).

Specific Objection:

1. This project as founded by the Jefferson County Development Authority has not followed any of the required studies or procedures to fund or build this facility.
2. Building permit issued March 23, 2018, expired September 23, 2018 is further marked whether it is a floodplain with no documentation to substantiate their marking of the permit and further indicates no certification of their water or sewer source.
3. The sixty plus tons of particulate matter projected to come from the TeMa facility will eventually go into the KARST topography water reserve and further effect the Elk Run/Chesapeake Bay Watershed. One hundred percent of residents/businesses receive their water from wells. Even the public water system is from a well on the Burr Business Park site.
4. The permit is now under appeal because of the best available control technology (BACT) has not been applied. (Permit # WVG611874).

5. There has been no study of what the effect the building of this facility would be and/or how it will affect the ground water. The ground water level is less than 5 feet of any run off that will end up in the ground.

6. It is my understanding that three extrusion lines equipped with electrical resistance heat, that can reach a melting temperature of about 480° Fahrenheit, will be operating in this facility and that the product will be water cooled on rollers. The unanswered and disturbing question is where is all this extremely hot water going? Is this a part of the storm water permit request or part of a sewer request? I am not able to locate how and where the water is going to go within the permitting.

7. My concerns even though this is for a different project, the TeMa facility is adjacent to the Ranson Route 9 Infrastructure Project and will share the same utilities. I have not found where the permit has addressed the Endangered Species Act. Non-analyzation of any project could affect downstream/underground species of fish and wildlife. If this study was required for the Route 9 project, then where is the study for the TeMa project?

8. I believe a study is required for Permit #WVG611874, to be submitted to the US Fish and Wildlife Service before application of permit; due to the following:
 - (a) The Endangered Species: It appears the Staff was not aware of the Madison Cave Isopods. Even though, I wrote a letter to you on December 12, 2018, to inform that this stormwater permit is required for review for Endangered Species. Was this letter or the notice of such requirement posted to the Staff and the DEP? If not, why not? Dennis O. Stottlemeyer seemed to be very interested, even to the point of calling me to learn more. I would appreciate if you would contact Mr. Stottlemeyer. His phone number is (304) 926-0441.

 - (b) The Applicant for the Permit is the Jefferson County Development Authority (JCDA). The JCDA is not in compliance to operate since eleven (11) voting board members resigned and the remaining board members may be removed. The Jefferson County Commission (JCC) has yet to make any decisions on how to move forward, whether the JCDA will even continue to exist. I believe since this is a non-operational board to approve or make any request or decisions, the application should be put on hold until the JCC makes a decision on the fate of the applicant, the JCDA. I believe it would be inappropriate to approve a permit to any entity that cannot receive and act upon the application. Furthermore, the acting director, Nick Diehl of the JCDA, resigned in April of 2019.

 - (c) Sink holes, Wet lands and Hot water: All three of these subjects have yet to be addressed. All three are required to be addressed by the Endangered Species Act. Once the staff addresses these issues, does this require another public hearing? I believe that

under the Endangered Species Act the applicant was required to submit and/or comply before submitting an application. Since the JCDA cannot respond or make any decisions or requests, I believe this permit needs to be put on hold or denied.

9. This permit was re-written on February 4, 2019. This was after the public hearing on January 30, 2019. I am requesting another public hearing since this re-write has not published.

According to the document *Permit Hearing and Appeals Guide* prepared By The West Virginia Department of Environmental Protection and Office of Environmental Advocate, (page 2) "... *When an individual or business submits a completed permit application form, a DEP permit team reviews the document to ensure all the necessary questions have been answered. After a preliminary determination has been made that the permit application is administratively complete, the DEP will assign a permit application number for the draft permit, and the DEP or the company will provide notice to the public that the permit is available for a 30-day review and comment period. The review and comment period may vary, depending on the type of permit. A public notice will be published in the legal advertisement section of a local newspaper...*". Petitioner believes the above language proffered by the Department of Environmental Protection, is to ensure that the public actively participates.

10. I am requesting any and all violations within the stormwater permit enforcement to include notice of violations to the U.S. Department of Interior/Fish and Wildlife Enforcement Division.
11. This is a stormwater permit, so it is imperative to know what the groundwater depth and conditions are. Without knowing what water is there how can one calculate the possibility of run off? On this site groundwater depth is less than five (5) feet with standing water on three (3) sides of the facility some 500 feet or less away. This needs further study and information.
12. This section also lists Norton Investment, LLC., as the only facility near this project, although there is a business across the street due north with only the street itself separating the two businesses.
13. Outlet 001 is on the west side, drainage is to the west, the Burr Industrial Park Storm Water System is to the east. How is 001 outlet going to go up hill to the east? Even the previous permit request stated this water is going west, to the WVDOT Wiltshire Road drainage system. The 4.1 paragraph lists this project as the Burr Business Park, now it is listed as the Burr Industrial Park. The question is; does anyone know where this project is?
14. There are two large fans with stacks outside the building and a large air compressor system with temporary storage in the parking lot. The storm water permit has not addressed the particulate matter and or the discharge from the stacks and or compressor.

15. It's clear there is a risk of floatable plastic pellets and zinc. Both are dangerous to the waterways, above and/or in below ground yet there is no drainage trap system projected to collect these pellets or zinc. There is no mention of the 60 plus tons of particulate matter that will come out of the two stacks. When and who will monitor the grass for pollution? Who and how will it be cleaned up? The original air quality permit does not mention the release of zinc from the facility, so how is zinc just appearing on the site?
16. Again Mr. Ciotti doesn't know what lots they are on, which way the drainage goes, what is coming or how much out of two discharge stacks. What is the name of the site and who is the applicant or where is the sanitary waste is going? Mr. Ciotti should go across the street and check on his neighbor to see if they like what's going on.
17. All outlets need monitoring after every rain event of a ½ inch of rain/precipitation or more by a third party. Is the DEP going to ignore the benchmark parameters of this project Industrial activities?
18. All compressors have some type of lubrication and/or discharge. This discharge should go into the sanitary waste system with a grease trap prior to discharge and weekly inspections.
19. Petitioner notes that there were three (3) comments/objections between the date of the open meeting of January 30, 2019 and date of the issuance of the revised permit, neither of which were responded to in writing by the Water and Waste Management Division; which leads Petitioner to conclude that the revised permit, which has been approved and gone into effect failed to considered any of the objections or comments. That contradicts the *Permit Hearing and Appeals Guide* prepared By The West Virginia Department of Environmental Protection and Office of Environmental Advocate.

Relief Requested

Based on the above, Appellant is requesting that the permit at issue be retracted, and all work being executed in reliance on said permit be ordered immediately halted, until such time as the above specific objections have been adjudicated.

**WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA**

David C. Tabb,

Appellant,

v.

Appeal No.

**Harold Ward, Deputy Secretary for Operations,
Division of Water and Waste Management
Department of Environmental Protection, and**

Jefferson County Development Authority, and

**TeMa USA, LLC,
Appellees.**

REQUIRED ATTACHMENTS

Pursuant to W.Va. CSR 46-4-2(d), Appellant includes the permit letter provided to the Jefferson County Development Authority by the W.Va. Department of Environmental Protection on March 29, 2019 notifying the JCDA of their authorization to operate under Permit No WV0111457.

However, Appellant has been unable to produce said official permit because the document is contained on a secure site which cannot be accessed by members of the public. Appellant has submitted a FOIA request for said permit, and received a documents with links as attached below. However, said hyperlink returns a blocked site for which Appellant, and likely all other members of the public, are prohibited.

Appellant requests that said document be produced in accordance with Appellant's FOIA request and attached to this Appeal.



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304-2345
Phone: 304-926-0495
Fax: 304-926-0496

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

March 29, 2019

JEFFERSON COUNTY DEVELOPMENT AUTHORITY
PO BOX 237
CHARLES TOWN, WV 25414

Re: WV/NPDES Permit No. WV01 11457
General Permit Registration No. WVG611874
TeMa North America, LLC Jefferson County Operations,
Jefferson County

Dear Permittee:

The Division of Water and Waste Management has reviewed your General Permit Site Registration Application Form for the coverage of your activity. Based upon the information you submitted on this registration form, you are now authorized to operate under WV/NPDES General Water Pollution Control Permit No. WV0111457, issued March 3, 2014. The general permit can be found at: <http://www.dep.wv.gov/WWE/Programs/stormwater/multisector/Pages/home.aspx>. You should carefully read the contents of the permit and become familiar with all requirements needed to remain in compliance with the permit.

Although you should be aware of all the terms and conditions of this permit, we wish to advise you of the following important requirements:

1. You are subject to the monitoring requirements of Sector N-1 of the General Permit.
2. In accordance with Section B.18. of the General Permit, you are required to have a complete storm water pollution prevention plan (SWPPP) and a groundwater protection (GPP) plan. These plans are to be retained on site and be available for review by the Director or the Director's authorized representative.
3. The current General Permit expires on August 31, 2019. If you wish to continue a regulated activity after the expiration date of this permit, provisions for coverage will be made during the public notice process for any new General Permit to be issued at that time.
4. Facilities permitted to discharge pollutants to the waters of the State under Chapter 22, Article 11 of the West Virginia Code are required to test their effluent in order to verify permit compliance. This testing is the responsibility of the permittee and these test results are to be submitted to this office on the enclosed Discharge Monitoring Report (DMR) forms.

JEFFERSON COUNTY DEVELOPMENT AUTHORITY

Page 2

March 29, 2019

Special Condition. The approved Groundwater Protection Plan (GPP) shall be maintained at the plant site and shall be available for inspection by the Division of Water and Waste Management personnel. The GPP approval afforded by this permit shall not relieve the permittee of any requirements pertaining to the Above Ground Storage Tank (AST) Program.

All monitoring required by this permit is benchmark monitoring. This monitoring is not an effluent limitation and should not be construed as such. It is merely an indicator of whether or not the facilities discharges indicate if there is a reasonable potential to violate state water quality standards. If the benchmarks are exceeded, then the permittee must immediately review both the stormwater and groundwater protection plans to reduce pollutant levels to meet the benchmark levels.

During the review of your site registration application form it was discovered that the pollutant analysis for the eight baseline parameters required of all sites was not submitted for Outlets 001 and 002. Within sixty (60) days of your initial plant start-up, or as soon thereafter as climatic conditions allow, you must submit this analysis. Please be advised that your monitoring requirements may be subject to change based upon this analysis.

If required by the assigned industrial sector, you must perform this sampling and analysis once every six (6) months. However, the DMR forms are to be completed and submitted to this office 20 days following the end of each required six (6) month sampling period. Failure to submit required DMRs is a violation of the permit and can lead to enforcement actions being taken by this agency for noncompliance. It is suggested that several copies of the enclosed DMR forms be made for your future use, as this office does not supply permittees with DMR forms. Your first DMR is due on or before October 20, 2019.

Your annual permit fee has been assessed as \$250.00. You will be invoiced by this agency one month prior to the anniversary date of your original approval date. Failure to submit the annual fee within 90 days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

Finally, note that copies of all future correspondence regarding the permit registration must be sent to the following addresses:

Department of Environmental Protection
Division of Water and Waste Management
Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

Department of Environmental Protection
Environmental Enforcement
22288 Northwestern Pike
Romney, WV 26757

The validity of this General Permit Registration is contingent upon payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

JEFFERSON COUNTY DEVELOPMENT AUTHORITY

Page 3

March 29, 2019

Your efforts toward preventing the degradation of our natural resources are greatly appreciated. If you have any questions, please contact Patrick Burch of this Division at (304) 926-0499 extension 1067, or by email at Patrick.D.Burch@wv.gov or at Patrick.D.Burch@wv.gov.

Harold D. Ward
Acting Director
WV DEP-Division of Water & Waste Mgt.
601 57th St SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0463

From: David Tabb <sssi27@yahoo.com>
Sent: Tuesday, April 23, 2019 2:54 PM
To: DEP FOIA <DEPFOIA@wv.gov>
Subject: Jefferson County Development Authority, TeMa Facility Storm water permit # WVG611874

, I, David Tabb, under *West Virginia Code § 29B-1-1* of the *Freedom of Information Act* request a copy of the following document in its entirety to wit:

Jefferson County Development Authority, TeMa Facility Storm water permit # WVG611874

Please enclose all documentation required to file an appeal with the Environmental Quality Board.

David Tabb

107 Tabb Lane

Harpers Ferry, WV 25425

304-676-5976

From: DEP FOIA <DEPFOIA@wv.gov>
To: David Tabb <sssi27@yahoo.com>
Sent: Tuesday, April 23, 2019, 04:34:57 PM EDT
Subject: RE: FOIA Request #2019-04-088

Hello:

This letter is to acknowledge that the West Virginia Department of Environmental Protection's (DEP) Public Information Office received your Freedom of Information Act Request (FOIA) on April 23, 2019. Your request has been sent to the appropriate office(s) within our agency and you will be notified as to when you may review/copy/receive the requested information.

Information in agency files is available for public inspection. However, some material may be exempt from disclosure under the West Virginia Freedom of Information Act, Chapter 29B.

DEP also provides an informational service to the public. Visitors to the agency's website can subscribe to both a listing of permit actions open to public comment and updates on DEP news and events. To subscribe to these e-mail notifications, go to <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx>. **Please submit all FOIA's to depfoia@wv.gov.**

There is no charge to submit a FOIA request. However, there are charges associated with copying the requested information. The more common fees include \$0.25 per page for paper copies and \$10 per disc for electronic copies saved to CD/DVD. If you need further assistance, please contact me at 304-926-0499 ext. 1641.

Regards,

Terry Fletcher

WVDEP – Public Information

**WEST VIRGINIA ENVIRONMENTAL QUALITY BOARD
CHARLESTON, WEST VIRGINIA**

David C. Tabb,

Appellant,

v.

Appeal No.

**Harold Ward, Deputy Secretary for Operations,
Division of Water and Waste Management
Department of Environmental Protection, and**

Jefferson County Development Authority, and

**TeMa USA, LLC.,
Appellees.**

CERTIFICATE OF SERVICE

I, David C. Tabb, do hereby certify that I, on this 29th day of April, 2019 served the attached *Notice of Appeal* (Jefferson County Development Authority/TeMa USA, LLC., Permit #WRG 611874) to the following parties:

By United States Mail, postage prepaid:

Jackie Shultz, Clerk, Original and 6 copies
Environmental Quality Board
601 57th Street, SE
Charleston, WV 25304

First Class Mail

Jason Wandling and distributed parties
WVDEP – Office of Legal Services
601 57th Street, SE
Charleston, WV 25304

First Class Mail

Harold Ward, Deputy Secretary for Operations
DEP, Water and Waste Management
601 57th Street, SE
Charleston, WV 25304

First Class Mail

Jefferson County Development Authority

1948 Wiltshire Road, Suite 4
Kearneysville, WV 25430

First Class Mail

TeMa USA, LLC
Jefferson County Facility
395 Steeley Way
Kearneysville, WV 25430

First Class Mail

A handwritten signature in black ink, appearing to read 'D. Tabb', written over a horizontal line.

David C. Tabb

cc:
EPA – Region III
1650 Arch St
Philadelphia, PA 19103

Via – Email
Vyas.himanshu@epa.gov

ENVIRONMENTAL QUALITY BOARD

DAVID C. TABB,

Appellant,

v.

Appeal No. 19-08-EQB

**HAROLD D. WARD, DEPUTY SECRETARY
FOR OPERATIONS, DIVISION OF WATER
AND WASTE MANAGEMENT, DEPARTMENT
OF ENVIRONMENTAL PROTECTION,**

Appellee.

NOTICE OF PREHEARING CONFERENCE

Appeal No. 19-08-EQB was filed with the West Virginia Environmental Quality Board ("Board") on April 29, 2019. In accordance with West Virginia Code §22B-1-7(f), an evidentiary hearing concerning the matters set forth in the Notice of Appeal is scheduled for August 8-9, 2019.

Pursuant to CSR §46-4-5.2 of the *Procedural Rules Governing Appeals Before the Environmental Quality Board*, a Prehearing Conference will be held on **July 25, 2019**, at 10:00 a.m. before the Board's legal counsel. Parties may appear in person or by telephone. If appearing in person, the said prehearing will be conducted at the Board's offices located at 601 57th Street, Charleston, Kanawha County, West Virginia 25304. If appearing by telephone, dial 1-877-302-0757. After the welcome message, dial the conference ID (8855847) followed by the pound (#) key.

The proceedings will be recorded and transcribed at a later date if necessary. The following will be discussed at the prehearing:

- (1) Presentation and consideration of preliminary legal issues;

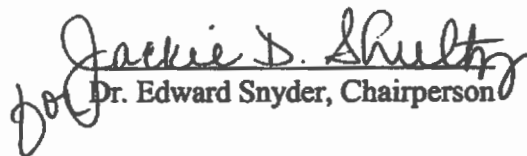
- (2) Stipulations to facts that are not contested by the parties;
- (3) Stipulations to the admission of evidence to avoid unnecessary proof;
- (4) Identification and reduction of number of witnesses; and
- (5) Consideration of any other matters that will aid in the expeditious conduct of the hearing.

It is further ordered that each counselor representative attending the prehearing conference is required to have a thorough knowledge of the case, be prepared to discuss it, and to make stipulations or admissions where appropriate and to argue any pending motions. Each counselor representative must have full authority from the party represented and any law firm with which associated to take such action as may be necessary to comply with this order.

It is further ordered that at the conclusion of the conference, either orally for the record or by separate writing, an order will be entered which recites any action taken and agreements reached by the parties. The order will take the place of all that has gone before and will control the subsequent course of the hearing unless modified to prevent manifest injustice.

ORDERED and ENTERED this 1st day of May, 2019.

Environmental Quality Board


Dr. Edward Snyder, Chairperson

ENVIRONMENTAL QUALITY BOARD

DAVID C. TABB,

Appellant,

v.

Appeal No. 19-08-EQB

**HAROLD D. WARD, DEPUTY SECRETARY
FOR OPERATIONS, DIVISION OF WATER
AND WASTE MANAGEMENT, DEPARTMENT
OF ENVIRONMENTAL PROTECTION,**

Appellee.

ORDER FOR CONTINUANCE AND NOTICE OF HEARING

Appeal No. 19-08-EQB was filed with the West Virginia Environmental Quality Board ("Board") on April 29, 2019. In accordance with West Virginia Code §22B-1-7(f), an evidentiary hearing concerning matters as more fully set forth in the Notice of Appeal filed in Appeal No. 19-08-EQB is scheduled for May 23, 2019.

The Board, on its own motion, determined that the evidentiary hearing in Appeal No. 19-08-EQB shall be continued until the **August 8-9, 2019**, Board meeting. Said hearing will begin at 8:30 a.m. at the Board's offices located at 601 57th Street, Charleston, Kanawha County, West Virginia 25304.

It is so **ORDERED** and **ENTERED** this 1st day of May, 2019.

Environmental Quality Board

Edward Snyder
Dr. Edward Snyder, Chairperson

ENVIRONMENTAL QUALITY BOARD

DAVID C. TABB,

Appellant,

v.

Appeal No. 19-08-EQB

HAROLD D. WARD, DEPUTY SECRETARY
FOR OPERATIONS, DIVISION OF WATER
AND WASTE MANAGEMENT, DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Appellee.

CERTIFICATE OF SERVICE

I hereby certify that I, Jackie D. Shultz, Clerk for the Environmental Quality Board, have this day, the 1st day of May, 2019, served a true copy of the foregoing Order For Continuance And Notice Of Hearing and Notice Of Prehearing Conference via certified United States mail, postage pre-paid, or via personal service, to the following:

via certified US Mail:

Christian J. Riddell, Esquire
Stedman & Riddell
329 S. Queen Street
Martinsburg, WV 25401

91 7199 9991 7038 4218 7105

Mr. David Tabb
107 Tabb Lane
Harpers Ferry WV 25425

91 7199 9991 7038 4218 7099

TeMa North America, LLC
c/o Cogency Global, Inc.
1627 Quarrier Street, E.
Charleston, WV 25311

91 7199 9991 7038 4218 7082

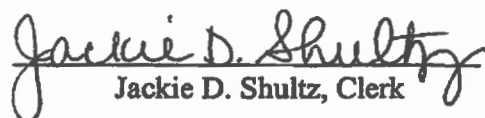
Jefferson County Development Authority
1948 Wiltshire Road, Suite 4
Kearneysville WV 25430


91 7199 9991 7038 4218 7075

via personal service:

Jason E. Wandling, Esquire
Office of Legal Services
WV Department of Environmental Protection
601 57th Street, S.E.
Charleston, WV 25304

Harold D. Ward, Deputy Director
Division of Mining and Reclamation
WV Department of Environmental Protection
601 57th Street, S.E.
Charleston, WV 25304


Jackie D. Shultz, Clerk

	Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY Reference ID: 0103-17-0430 NPDES Permit (10/08/2018) Status: ERIS - Public Notice Pending	Type: New NPDES Industrial Permit #1 Permit ID: WVG611874 Printed: Nov. 13, 2018 4:09 PM
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Sections 1 - 2: Facility Information

1. Name of Facility:	TeMa North America, LLCJefferson County Operations		
2. Location (Street or Highway):	395 Steeley Way		
City:	Kearneysville		
County:	Jefferson		
Postal Code:	25430	PostalCode Ref.	
4. Facility Telephone Number:	304 707 2290	(###-###-####)	
Directions to Site:			
Turn off WV Rt. 9 onto Wiltshire Road WV RT. 8 and head south. At the second left turn onto W. Burr Blvd. then make a right onto McGarry Blvd., then turn right onto Steeley Way travel to the end of the cul-de-sac and the location is on the left side at 395 Steeley Way.			

Sections 3 - 4: Owner Information

3. Owner:	JEFFERSON COUNTY DEVELOPMENT AUTHORITY		
Title:			
Federal Employer Identification Number (FEIN):	31-1570791		
4. Owner Telephone Number:	304-728-3255	(###-###-####)	
Mailing Address			
Address Line 1:	PO BOX 237		
Address Line 2:			
City:	CHARLES TOWN		
Country:	United States of America		
State:	West Virginia		
Zip:	25414	PostalCode Ref.	
Email Address:	janejones@jcda.net		

Sections 5 - 9: Operator Information

Same as Owner?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
5. Operator:	TeMa North America, LLC		
Federal Employer Identification Number (FEIN):	82-3157701		
6. Operator Telephone Number:	304 707-2290	(###-###-####)	
7. Mailing Address			
Address Line 1:	395 Steeley Way		
Address Line 2:			
City:	Kearneysville		
Country:	United States of America		
State:	West Virginia		

Zip: 22430 PostalCode Ref.
 Email Address: tonj.ciotti@temanorthamerica
 8. Contact Person: Mr. Tonj Ciotti
 Title: Chief Executive Officer
 Phone: 304-707-2290 (###-###-####)
 9. Status of Operator
 F - Federal
 S - State
 P - Private
 M - Public
 O - Other

Section 10: Receiving Stream Information

10. Receiving Streams to Major River (e.g., unnamed tributary of Little Creek of Large Creek of Kanawha River; if discharge is not directly into a stream, report nearest stream to any storm water discharge)*:
 Name of Immediate Receiving Stream Unnamed Tributary of
 Unnamed tributary of Unnamed tributary of
 Elk Branch tributary of Elk Run tributary of
 Major Basin: Potomac River Drains

For each outlet, list the latitude and longitude to the nearest second and the River mile Point (if known). Refer to instructions Document.
 Outlet Number: 001
 Latitude: 39 1/2 21 1/2 25 1/2
 Longitude: 77 1/2 52 1/2 14 1/2 Interactive Mapper
 UTM Zone:
 UTM Northing:
 UTM Easting:
 River Mile Point:
 Geo Spatial Method: GPS/GNSS
 Datum: NAD83
 Actual Average Flow: 3798 GPD (Gallons Per Day)

Section 18A: Waste Characteristics

18. Is this application for a NEW FACILITY or for facilities that significant changes have been made?
 Yes No
Waste Characteristics: For each storm water outlet, samples must be taken for the following parameters and the results submitted with this registration form:
 A. Pollutant analyses required for outlets at all sites:
 Is Attached: Yes No

Oil & Grease	NA	TSS	NA
pH	NA	TKN	NA
BOD-5	NA	Nitrate plus nitrite	NA
COD	NA	Total Phosphorous	NA

Section 18B: Toxic Pollutants (Table No. 2)

Toxic Pollutants required to be identified by applicant if expected to be present
 If no pollutant is believed present, in this list: All not present

<u>Toxic Pollutants and Total Phenols</u>	
	RESULTS PRESENT
Total Antimony	<input type="radio"/> Yes <input type="radio"/> No
Total Arsenic	<input type="radio"/> Yes <input type="radio"/> No
Total Beryllium	<input type="radio"/> Yes <input type="radio"/> No
Total Cadmium	<input type="radio"/> Yes <input type="radio"/> No
Total Chromium	<input type="radio"/> Yes <input type="radio"/> No
Total Copper	<input type="radio"/> Yes <input type="radio"/> No
Total Lead	<input type="radio"/> Yes <input type="radio"/> No
Total Mercury	<input type="radio"/> Yes <input type="radio"/> No
Total Nickel	<input type="radio"/> Yes <input type="radio"/> No
Total Selenium	<input type="radio"/> Yes <input type="radio"/> No
Total Silver	<input type="radio"/> Yes <input type="radio"/> No
Total Thallium	<input type="radio"/> Yes <input type="radio"/> No
Total Zinc	<input type="radio"/> Yes <input type="radio"/> No
Total Cyanide	<input type="radio"/> Yes <input type="radio"/> No
Total Phenols	<input type="radio"/> Yes <input type="radio"/> No

<u>GC/MS Fraction Volatile Compounds</u>	
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present
	RESULTS PRESENT
Acrolein	<input type="radio"/> Yes <input type="radio"/> No
Acrylonitrile	<input type="radio"/> Yes <input type="radio"/> No
Benzene	<input type="radio"/> Yes <input type="radio"/> No
Bromoform	<input type="radio"/> Yes <input type="radio"/> No
Carbon Tetrachloride	<input type="radio"/> Yes <input type="radio"/> No
Chlorobenzene	<input type="radio"/> Yes <input type="radio"/> No
Chlorobromomethane	<input type="radio"/> Yes <input type="radio"/> No
Chloromethane	<input type="radio"/> Yes <input type="radio"/> No
2-ChloromethylVinyl Ether	<input type="radio"/> Yes <input type="radio"/> No
Chloroform	<input type="radio"/> Yes <input type="radio"/> No
Dichlorobromomethane	<input type="radio"/> Yes <input type="radio"/> No
1,1-Dichloroethane	<input type="radio"/> Yes <input type="radio"/> No
1,2-Dichloroethane	<input type="radio"/> Yes <input type="radio"/> No
1,1-Dichloroethylene	<input type="radio"/> Yes <input type="radio"/> No
1,3-Dichloropropylene	<input type="radio"/> Yes <input type="radio"/> No
Ethylbenzene	<input type="radio"/> Yes <input type="radio"/> No
Methyl Bromide	<input type="radio"/> Yes <input type="radio"/> No
Methyl Chloride	<input type="radio"/> Yes <input type="radio"/> No
Methylene Chloride	<input type="radio"/> Yes <input type="radio"/> No
1,1,1,2-Tetrachloroethane	<input type="radio"/> Yes <input type="radio"/> No
Tetrachloroethylene	<input type="radio"/> Yes <input type="radio"/> No
Toluene	<input type="radio"/> Yes <input type="radio"/> No
1,2-Trans-Dichloroethylene	<input type="radio"/> Yes <input type="radio"/> No
1,1,1-Trichloroethane	<input type="radio"/> Yes <input type="radio"/> No

1.1.2-Trichloroethylene	<input type="radio"/> Yes	<input type="radio"/> No
Trichloroethylene	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Chloride	<input type="radio"/> Yes	<input type="radio"/> No
1.2 Dichloropropane	<input type="radio"/> Yes	<input type="radio"/> No

Acid Compounds

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT
2-Chlorophenol		<input type="radio"/> Yes <input type="radio"/> No
2.4-Dichlorophenol		<input type="radio"/> Yes <input type="radio"/> No
4.6- Dinitro-O-Cresol	_____	<input type="radio"/> Yes <input type="radio"/> No
2.4-Dinitrophenol		<input type="radio"/> Yes <input type="radio"/> No
Phenol		<input type="radio"/> Yes <input type="radio"/> No
2,4-Dimethylphenol		<input type="radio"/> Yes <input type="radio"/> No
2-Nitrophenol		<input type="radio"/> Yes <input type="radio"/> No
4-Nitrophenol		<input type="radio"/> Yes <input type="radio"/> No
p-Chloro-M-Cresol	_____	<input type="radio"/> Yes <input type="radio"/> No
Pentachlorophenol		<input type="radio"/> Yes <input type="radio"/> No
2.4.6-Trichlorophenol		<input type="radio"/> Yes <input type="radio"/> No

Base/Neutral

If no pollutant is believed present, in this list: All not present

Acenaphthene		<input type="radio"/> Yes	<input type="radio"/> No
Acenaphthylene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Anthracene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Benzidine		<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Diphenylhydrazine (as Azobenzene)	_____	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)anthracene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)pyrene	_____	<input type="radio"/> Yes	<input type="radio"/> No
3, 4-Benzofluoranthene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(k)fluoranthene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(ghi)perylene	_____	<input type="radio"/> Yes	<input type="radio"/> No
Bis(Bischloroethyl)ether	_____	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethyl)ether	_____	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroisopropyl)ether	_____	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethoxy)methane	_____	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-ethylhexyl)phthalate	_____	<input type="radio"/> Yes	<input type="radio"/> No
4-Bromophenyl Phenyl Ether	_____	<input type="radio"/> Yes	<input type="radio"/> No
Butylbenzyl Phthalate	_____	<input type="radio"/> Yes	<input type="radio"/> No
2-Dinitrophenol	_____	<input type="radio"/> Yes	<input type="radio"/> No
4-Chlorophenyl Phenyl Ether	_____	<input type="radio"/> Yes	<input type="radio"/> No

2-Chloronaphthalene	<input type="radio"/> Yes	<input type="radio"/> No
Chrysene	<input type="radio"/> Yes	<input type="radio"/> No
Dibenzo(a,h)anthracene	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
1, 3-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
1, 4-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
3,3-Dichlorobenzidine	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Butyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Octylphthalate	<input type="radio"/> Yes	<input type="radio"/> No
2, 4-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
2, 6-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
Fluorene	<input type="radio"/> Yes	<input type="radio"/> No
Fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobutadiene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachloroethane	<input type="radio"/> Yes	<input type="radio"/> No
Indeno(1.2.3cd)pyrene	<input type="radio"/> Yes	<input type="radio"/> No
Isophorone	<input type="radio"/> Yes	<input type="radio"/> No
Napthalene	<input type="radio"/> Yes	<input type="radio"/> No
Nitrobenzene	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodimethylamine	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodi-N-Propylamine	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodiphenylamine	<input type="radio"/> Yes	<input type="radio"/> No
Phenanthrene	<input type="radio"/> Yes	<input type="radio"/> No
Pyrene	<input type="radio"/> Yes	<input type="radio"/> No
1, 2, 4-Trichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No

Pesticides

If no pollutant is believed present, in this list: All not present

Aldrin	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Gamma-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Delta-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Chlorodane	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDT	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDE	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDO	<input type="radio"/> Yes	<input type="radio"/> No
Dieldrin	<input type="radio"/> Yes	<input type="radio"/> No

Alpha-Endosulfan	<input type="radio"/> Yes	<input type="radio"/> No
Beta-Endosulfan	<input type="radio"/> Yes	<input type="radio"/> No
Endosulfan Sulfate	<input type="radio"/> Yes	<input type="radio"/> No
Beta-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Endrin	<input type="radio"/> Yes	<input type="radio"/> No
Endrin Aldehyde	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor Epoxide	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1242	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1254	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1221	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1232	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1248	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1260	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1016	<input type="radio"/> Yes	<input type="radio"/> No
Toxaphene	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Hazardous Substances (Table No. 3)

<u>Toxic Pollutant</u>		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
Asbestos	<input type="radio"/> Yes	<input type="radio"/> No

<u>Hazardous Substances</u>		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
Acetaldehyde	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Allyl Alcohol	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Chloride	<input type="radio"/> Yes	<input type="radio"/> No
Amyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Aniline	<input type="radio"/> Yes	<input type="radio"/> No
Benzonitrile	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Benzyl Chloride	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Butyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Butylamine	<input type="radio"/> Yes	<input type="radio"/> No
Captan	<input type="radio"/> Yes	<input type="radio"/> No
Carbaryl	<input type="radio"/> Yes	<input type="radio"/> No
Carbofuran	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Disulfide	<input type="radio"/> Yes	<input type="radio"/> No
Chloropyrifos	<input type="radio"/> Yes	<input type="radio"/> No

Coumaphos	<input type="radio"/>	Yes	<input type="radio"/>	No
Cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
Crotonaldehyde	<input type="radio"/>	Yes	<input type="radio"/>	No
Cyclohexane	<input type="radio"/>	Yes	<input type="radio"/>	No
2,4-D (2,4-Dichlorophenoxyacetic acid)	<input type="radio"/>	Yes	<input type="radio"/>	No
Diazinon	<input type="radio"/>	Yes	<input type="radio"/>	No
Dicamba	<input type="radio"/>	Yes	<input type="radio"/>	No
Dichlobenil	<input type="radio"/>	Yes	<input type="radio"/>	No
Dichlone	<input type="radio"/>	Yes	<input type="radio"/>	No
2,2-Dichloropropionic acid	<input type="radio"/>	Yes	<input type="radio"/>	No
Dichlorves	<input type="radio"/>	Yes	<input type="radio"/>	No
Diethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Dimethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Dinitrobenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
Diquat	<input type="radio"/>	Yes	<input type="radio"/>	No
Disulfoton	<input type="radio"/>	Yes	<input type="radio"/>	No
Diuron	<input type="radio"/>	Yes	<input type="radio"/>	No
Epichlorohydrin	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethanolamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethion	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethylene Diamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethylene Dibromine	<input type="radio"/>	Yes	<input type="radio"/>	No
Formaldehyde	<input type="radio"/>	Yes	<input type="radio"/>	No
Furfural	<input type="radio"/>	Yes	<input type="radio"/>	No
Guthion	<input type="radio"/>	Yes	<input type="radio"/>	No
Isoprene	<input type="radio"/>	Yes	<input type="radio"/>	No
Isopropanolamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Kelthane	<input type="radio"/>	Yes	<input type="radio"/>	No
Kepone	<input type="radio"/>	Yes	<input type="radio"/>	No
Malathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Mercaptodimethur	<input type="radio"/>	Yes	<input type="radio"/>	No
Methoxchlor	<input type="radio"/>	Yes	<input type="radio"/>	No
Methyl Mercaptan	<input type="radio"/>	Yes	<input type="radio"/>	No
Methyl Methacrylate	<input type="radio"/>	Yes	<input type="radio"/>	No
Methy Parathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Mevinphos	<input type="radio"/>	Yes	<input type="radio"/>	No
Mexacarbate	<input type="radio"/>	Yes	<input type="radio"/>	No
Monoethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Monomethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Naled	<input type="radio"/>	Yes	<input type="radio"/>	No
Napthenic Acid	<input type="radio"/>	Yes	<input type="radio"/>	No
Nitrotoluene	<input type="radio"/>	Yes	<input type="radio"/>	No
Parathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Phenolsulfonate	<input type="radio"/>	Yes	<input type="radio"/>	No
Phosgene	<input type="radio"/>	Yes	<input type="radio"/>	No

Propargite	<input type="radio"/> Yes	<input type="radio"/> No
Propylene Oxide	<input type="radio"/> Yes	<input type="radio"/> No
Pyrethrins	<input type="radio"/> Yes	<input type="radio"/> No
Quinoline	<input type="radio"/> Yes	<input type="radio"/> No
Resorcinol	<input type="radio"/> Yes	<input type="radio"/> No
Strontium	<input type="radio"/> Yes	<input type="radio"/> No
Strychnine	<input type="radio"/> Yes	<input type="radio"/> No
Styrene	<input type="radio"/> Yes	<input type="radio"/> No
TDE (Tetrachlorodiphenyl ethane)	<input type="radio"/> Yes	<input type="radio"/> No
2,4,5-TP (2,4,5-Trichlorophenoxy acetic acid)	<input type="radio"/> Yes	<input type="radio"/> No
Trichlorofon	<input type="radio"/> Yes	<input type="radio"/> No
Triethanolamine	<input type="radio"/> Yes	<input type="radio"/> No
Triethylamine	<input type="radio"/> Yes	<input type="radio"/> No
Trimethylamine	<input type="radio"/> Yes	<input type="radio"/> No
Uranium	<input type="radio"/> Yes	<input type="radio"/> No
Vanadium	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Xylene	<input type="radio"/> Yes	<input type="radio"/> No
Xylenol	<input type="radio"/> Yes	<input type="radio"/> No
Zirconium	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Conventional and Nonconventional Pollutants (Table No.4)

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED BY EXISTING DISCHARGER IF EXPECTED TO BE PRESENT		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
	RESULTS	PRESENT
Bromide		<input type="radio"/> Yes <input type="radio"/> No
Chlorine, Total Residual	_____	<input type="radio"/> Yes <input type="radio"/> No
Color	_____	<input type="radio"/> Yes <input type="radio"/> No
Fecal Coliform	_____	<input type="radio"/> Yes <input type="radio"/> No
Fluoride	_____	<input type="radio"/> Yes <input type="radio"/> No
Nitrate-Nitrite	_____	<input type="radio"/> Yes <input type="radio"/> No
Nitrogen, Total Kjeldahl	_____	<input type="radio"/> Yes <input type="radio"/> No
Oil and Grease	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfate	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfide	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfite	_____	<input type="radio"/> Yes <input type="radio"/> No
Surfactant	_____	<input type="radio"/> Yes <input type="radio"/> No
Aluminum, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Barium, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Boron, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Cobalt, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Iron, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Manganese, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Molybdenum, Total	_____	<input type="radio"/> Yes <input type="radio"/> No

Magnesium, Total	<input type="radio"/> Yes	<input type="radio"/> No
Tin, Total	<input type="radio"/> Yes	<input type="radio"/> No
Titanium, Total	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (A - C)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
75-07-0	Acetaldehyde	_____	<input type="radio"/> Yes	<input type="radio"/> No
107-02-8	Acrolein	_____	<input type="radio"/> Yes	<input type="radio"/> No
107-13-1	Acrylonitrile	_____	<input type="radio"/> Yes	<input type="radio"/> No
309-00-2	Aldrin [1, 4:5, 8-Dimethanonaphthalene, 1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a hexahydro -(1.alpha., 4.alpha., 4a.beta., 5.alpha., 8.alpha., 8a.beta.)-]	_____	<input type="radio"/> Yes	<input type="radio"/> No
107-05-1	Allyl Chloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
7429-90-5	Aluminum (fume or dust)	_____	<input type="radio"/> Yes	<input type="radio"/> No
7664-41-7	Ammonia	_____	<input type="radio"/> Yes	<input type="radio"/> No
62-53-3	Aniline	_____	<input type="radio"/> Yes	<input type="radio"/> No
120-12-7	Anthracene	_____	<input type="radio"/> Yes	<input type="radio"/> No
7440-36-0	Antimony	_____	<input type="radio"/> Yes	<input type="radio"/> No
7647189	Antimony pentachloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
28300745	Antimony potassium tartrate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7789619	Antimony tribromide	_____	<input type="radio"/> Yes	<input type="radio"/> No
10025919	Antimony trichloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
7783564	Antimony trifluoride	_____	<input type="radio"/> Yes	<input type="radio"/> No
1309644	Antimony trioxide	_____	<input type="radio"/> Yes	<input type="radio"/> No
7440-38-2	Arsenic	_____	<input type="radio"/> Yes	<input type="radio"/> No
1303328	Arsenic disulfide	_____	<input type="radio"/> Yes	<input type="radio"/> No
1303282	Arsenic pentoxide	_____	<input type="radio"/> Yes	<input type="radio"/> No
7784341	Arsenic trichloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
1327533	Arsenic trioxide	_____	<input type="radio"/> Yes	<input type="radio"/> No
1303339	Arsenic trisulfide	_____	<input type="radio"/> Yes	<input type="radio"/> No
1332-21-4	Asbestos (friable)	_____	<input type="radio"/> Yes	<input type="radio"/> No
542621	Barium cyanide	_____	<input type="radio"/> Yes	<input type="radio"/> No
71-43-2	Benzene	_____	<input type="radio"/> Yes	<input type="radio"/> No
92-87-5	Benzidine	_____	<input type="radio"/> Yes	<input type="radio"/> No
100470	Benzonitrile	_____	<input type="radio"/> Yes	<input type="radio"/> No
218019	Benzo(a)phenanthrene	_____	<input type="radio"/> Yes	<input type="radio"/> No
50328	Benzo(a)pyrene	_____	<input type="radio"/> Yes	<input type="radio"/> No
205992	Benzo(b)fluoranthene	_____	<input type="radio"/> Yes	<input type="radio"/> No
205823	Benzo(j)fluoranthene	_____	<input type="radio"/> Yes	<input type="radio"/> No
207089	Benzo(k)fluranthene	_____	<input type="radio"/> Yes	<input type="radio"/> No
189559	Benzo(rst)pentaphene	_____	<input type="radio"/> Yes	<input type="radio"/> No
56553	Benzo(a)anthracene	_____	<input type="radio"/> Yes	<input type="radio"/> No
100-44-7	Benzyl chloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
7440-41-7	Beryllium	_____	<input type="radio"/> Yes	<input type="radio"/> No

7787475	Beryllium chloride	<input type="radio"/> Yes	<input type="radio"/> No
7787497	Beryllium fluoride	<input type="radio"/> Yes	<input type="radio"/> No
7787555	Beryllium nitrate	<input type="radio"/> Yes	<input type="radio"/> No
111-44-4	Bis(2-chloroethyl) ether	<input type="radio"/> Yes	<input type="radio"/> No
75-25-2	Bromoform	<input type="radio"/> Yes	<input type="radio"/> No
74-83-9	Bromomethane (Methyl bromide)	<input type="radio"/> Yes	<input type="radio"/> No
85-68-7	Butyl benzyl phthalate	<input type="radio"/> Yes	<input type="radio"/> No
7440-43-9	Cadmiunm	<input type="radio"/> Yes	<input type="radio"/> No
543908	Cadmium acetate	<input type="radio"/> Yes	<input type="radio"/> No
7789426	Cadmium bromide	<input type="radio"/> Yes	<input type="radio"/> No
10108642	Cadmium chloride	<input type="radio"/> Yes	<input type="radio"/> No
7778441	Calcium arsenate	<input type="radio"/> Yes	<input type="radio"/> No
52740166	Calcium arsenite	<input type="radio"/> Yes	<input type="radio"/> No
13765190	Calcium chromate	<input type="radio"/> Yes	<input type="radio"/> No
592018	Calcium cyanide	<input type="radio"/> Yes	<input type="radio"/> No
133-06-2	Captan [1H-Isoindole-1, 3(2H)- dione, 3a, 4,7, 7a-tetrahydro-2- [(trichloromethyl)thio]-]	<input type="radio"/> Yes	<input type="radio"/> No
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	<input type="radio"/> Yes	<input type="radio"/> No
75-15-0	Carbon disulfide	<input type="radio"/> Yes	<input type="radio"/> No
1563662	Carbofuran	<input type="radio"/> Yes	<input type="radio"/> No
56-23-5	Carbon tetrachloride	<input type="radio"/> Yes	<input type="radio"/> No
57-74-9	Chlordane [4, 7-Methanoindan, 1, 2, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro-]	<input type="radio"/> Yes	<input type="radio"/> No
7782-50-5	Chlorine	<input type="radio"/> Yes	<input type="radio"/> No
59-50-7	4-Chloro 3-methyl phenol	<input type="radio"/> Yes	<input type="radio"/> No
	<u>p</u> -Chloro- <u>m</u> -cresol	<input type="radio"/> Yes	<input type="radio"/> No
108-90-7	Chlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
75-00-3	Chloroethane (Ethyl chloride)	<input type="radio"/> Yes	<input type="radio"/> No
67-66-3	Chloroform	<input type="radio"/> Yes	<input type="radio"/> No
74-87-3	Chloromethane (Methyl chloride)	<input type="radio"/> Yes	<input type="radio"/> No
95-57-8	2-Chlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
106-48-9	4-Chlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
75729	Chlorotrifluoromethane	<input type="radio"/> Yes	<input type="radio"/> No
1066304	Chromic acetate	<input type="radio"/> Yes	<input type="radio"/> No
11115745	Chromic acid	<input type="radio"/> Yes	<input type="radio"/> No
10101538	Chromic sulfate	<input type="radio"/> Yes	<input type="radio"/> No
7440-47-3	Chromium	<input type="radio"/> Yes	<input type="radio"/> No
1308-14-1	Chromium (Tri)	<input type="radio"/> Yes	<input type="radio"/> No
10049055	Chromous chloride	<input type="radio"/> Yes	<input type="radio"/> No
7789437	Cobaltous bromide	<input type="radio"/> Yes	<input type="radio"/> No
544183	Cobaltous formate	<input type="radio"/> Yes	<input type="radio"/> No
14017415	Cobaltous sulfamate	<input type="radio"/> Yes	<input type="radio"/> No
7440-50-8	Copper	<input type="radio"/> Yes	<input type="radio"/> No
108-39-4	<u>m</u> -Cresol	<input type="radio"/> Yes	<input type="radio"/> No
9548-7	<u>o</u> -Cresol	<input type="radio"/> Yes	<input type="radio"/> No
106-44-5	<u>p</u> -Cresol	<input type="radio"/> Yes	<input type="radio"/> No

4170303	Crotonaldehyde	<input type="radio"/> Yes	<input type="radio"/> No
1319-77-3	Cresol (mixed isomers)	<input type="radio"/> Yes	<input type="radio"/> No
142712	Cupric acetate	<input type="radio"/> Yes	<input type="radio"/> No
12002038	Cupric acetoarsentie	<input type="radio"/> Yes	<input type="radio"/> No
7447394	Cupric chloride	<input type="radio"/> Yes	<input type="radio"/> No
3251238	Cupric nitrate	<input type="radio"/> Yes	<input type="radio"/> No
5893663	Cupric oxalate	<input type="radio"/> Yes	<input type="radio"/> No
7758987	Cupric sulfate	<input type="radio"/> Yes	<input type="radio"/> No
10380297	Cupric sulfate, ammoniated	<input type="radio"/> Yes	<input type="radio"/> No
815827	Cupric tartrate	<input type="radio"/> Yes	<input type="radio"/> No
57-12-5	Cyanide	<input type="radio"/> Yes	<input type="radio"/> No
506774	Cyanogen chloride	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (D - L)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
333415	Diazinon		<input type="radio"/> Yes	<input type="radio"/> No
94-75-7	2, 4-D [Acetic acid, (2, 4-dichlorophenoxy)-]		<input type="radio"/> Yes	<input type="radio"/> No
226368	Dibenz(a,h)acridine		<input type="radio"/> Yes	<input type="radio"/> No
224420	Dibenz(a,j)acridene		<input type="radio"/> Yes	<input type="radio"/> No
5385751	Dibenzo(a,e)fluoranthene		<input type="radio"/> Yes	<input type="radio"/> No
192654	Dibenzo(a,e)pyrene		<input type="radio"/> Yes	<input type="radio"/> No
53703	Dibenzo(a,h)anthracene		<input type="radio"/> Yes	<input type="radio"/> No
189640	Dibenzo(a,l)pyrene		<input type="radio"/> Yes	<input type="radio"/> No
191300	Dibenzo(a,h)pyrene		<input type="radio"/> Yes	<input type="radio"/> No
194592	7, H-Dibenzo(c,g)carbazole		<input type="radio"/> Yes	<input type="radio"/> No
106-93-4	1,2-Dibromoethane (Ethylene diadromide)		<input type="radio"/> Yes	<input type="radio"/> No
84-74-2	Dibutyl phthalate		<input type="radio"/> Yes	<input type="radio"/> No
1929733	2,4 D Butoxyethyl ester		<input type="radio"/> Yes	<input type="radio"/> No
94804	2,4 D Butyl ester		<input type="radio"/> Yes	<input type="radio"/> No
2971382	2,4 D Chlorocrotyl ester		<input type="radio"/> Yes	<input type="radio"/> No
1918009	Dicamba		<input type="radio"/> Yes	<input type="radio"/> No
95-50-1	1,2-Dichlorobenzene		<input type="radio"/> Yes	<input type="radio"/> No
541-73-1	1,3-Dichlorobenzene		<input type="radio"/> Yes	<input type="radio"/> No
106-46-7	1,4-Dichlorobenzene		<input type="radio"/> Yes	<input type="radio"/> No
91-94-1	3,3'-Dichlorobenzidine		<input type="radio"/> Yes	<input type="radio"/> No
75-27-4	Dichlorobromomethane		<input type="radio"/> Yes	<input type="radio"/> No
107-06-2	1,2-Dichloroethane (Ethylene dichloride)		<input type="radio"/> Yes	<input type="radio"/> No
75434	Dichlorofluoromethane		<input type="radio"/> Yes	<input type="radio"/> No
540-59-0	1,2-Dichloroethylene		<input type="radio"/> Yes	<input type="radio"/> No
120-83-2	2,4-Dichlorophenol		<input type="radio"/> Yes	<input type="radio"/> No
78-87-5	1,2-Dichloropropane		<input type="radio"/> Yes	<input type="radio"/> No
10061026	trans-1,3-Dichloropropene		<input type="radio"/> Yes	<input type="radio"/> No
542-75-6	1,3-Dichloropropylene		<input type="radio"/> Yes	<input type="radio"/> No

62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	<input type="radio"/>	Yes	<input type="radio"/>	No
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)-]	<input type="radio"/>	Yes	<input type="radio"/>	No
177-81-7	Di-(2-ethylhexyl) phthalate (DEHP)	<input type="radio"/>	Yes	<input type="radio"/>	No
84-66-2	Diethyl phthalate	<input type="radio"/>	Yes	<input type="radio"/>	No
124403	Dimethylamine	<input type="radio"/>	Yes	<input type="radio"/>	No
57976	7,12-Dimethylbenz(a)anthracene	<input type="radio"/>	Yes	<input type="radio"/>	No
105-67-9	2,4-Dimethylphenol	<input type="radio"/>	Yes	<input type="radio"/>	No
131-11-3	Dimethyl phthalate	<input type="radio"/>	Yes	<input type="radio"/>	No
534-52-1	4,6-Dinitro-p-cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
51-28-5	2,4-Dinitrophenol	<input type="radio"/>	Yes	<input type="radio"/>	No
121-14-2	2,4-Dinitrotoluene	<input type="radio"/>	Yes	<input type="radio"/>	No
606-20-2	2,6-Dinitrotoluene	<input type="radio"/>	Yes	<input type="radio"/>	No
117-84-0	n-Dioctyl phthalate	<input type="radio"/>	Yes	<input type="radio"/>	No
122-66-7	1,2-Diphenylhydrazine (Hydrazibenzene)	<input type="radio"/>	Yes	<input type="radio"/>	No
94111	2,4-D Isopropyl ester	<input type="radio"/>	Yes	<input type="radio"/>	No
106-89-8	Epichlorohydrin	<input type="radio"/>	Yes	<input type="radio"/>	No
1320189	2,4-D Propylene glycol butyl ether ester	<input type="radio"/>	Yes	<input type="radio"/>	No
330541	Diuron	<input type="radio"/>	Yes	<input type="radio"/>	No
100-41-4	Ethylbenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
106934	Ethylene dibromide	<input type="radio"/>	Yes	<input type="radio"/>	No
50-00-0	Formaldehyde	<input type="radio"/>	Yes	<input type="radio"/>	No
76-448	Heptachlor [1, 4, 5, 6, 7, 8, 8-Heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methano-1H-indene]	<input type="radio"/>	Yes	<input type="radio"/>	No
118-74-1	Hexachlorobenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
319846	alpha-Hexachlorocyclohexane	<input type="radio"/>	Yes	<input type="radio"/>	No
87-68-3	Hexachloro-1, 3-butadiene	<input type="radio"/>	Yes	<input type="radio"/>	No
77-47-4	Hexachlorocyclopentadiene	<input type="radio"/>	Yes	<input type="radio"/>	No
67-72-1	Hexachloroethane	<input type="radio"/>	Yes	<input type="radio"/>	No
7647-01-0	Hydrochloric acid	<input type="radio"/>	Yes	<input type="radio"/>	No
74-90-8	Hydrogen cyanide	<input type="radio"/>	Yes	<input type="radio"/>	No
7664-39-3	Hydrogen fluoride	<input type="radio"/>	Yes	<input type="radio"/>	No
193395	Indeno [1, 2, 3,-cd]pyrene	<input type="radio"/>	Yes	<input type="radio"/>	No
7439-92-1	Lead	<input type="radio"/>	Yes	<input type="radio"/>	No
301042	Lead acetate	<input type="radio"/>	Yes	<input type="radio"/>	No
7784409	Lead arsenate1	<input type="radio"/>	Yes	<input type="radio"/>	No
7645252	Lead arsenate2	<input type="radio"/>	Yes	<input type="radio"/>	No
10102484	Lead arsenate3	<input type="radio"/>	Yes	<input type="radio"/>	No
7758954	Lead chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
13814965	Lead fluoborate	<input type="radio"/>	Yes	<input type="radio"/>	No
7783462	Lead fluoride	<input type="radio"/>	Yes	<input type="radio"/>	No
10101630	Lead iodide	<input type="radio"/>	Yes	<input type="radio"/>	No
10099748	Lead nitrate	<input type="radio"/>	Yes	<input type="radio"/>	No
742848	Lead stearate	<input type="radio"/>	Yes	<input type="radio"/>	No
1072351	Lead stearate1	<input type="radio"/>	Yes	<input type="radio"/>	No

52652592	Lead stearate2	<input type="radio"/> Yes	<input type="radio"/> No
7446142	Lead sulfate	<input type="radio"/> Yes	<input type="radio"/> No
1314870	Lead sulfide	<input type="radio"/> Yes	<input type="radio"/> No
592870	Lead thiocyanate	<input type="radio"/> Yes	<input type="radio"/> No
58-89-9	Lindane [Cyclohexane, 1, 2, 3, 4, 5, 6-hexachloro-(1.alpha.,3.beta., 4.alpha., 5.alpha., 6.beta.)-]	<input type="radio"/> Yes	<input type="radio"/> No
14307258	Lithium chromate	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (M - S)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
121755	Malathion	_____	<input type="radio"/> Yes	<input type="radio"/> No
108-31-6	Maleic anhydride	_____	<input type="radio"/> Yes	<input type="radio"/> No
592041	Mercuric cyanide	_____	<input type="radio"/> Yes	<input type="radio"/> No
10045940	Mercuric nitrate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7783359	Mercuric sulfate	_____	<input type="radio"/> Yes	<input type="radio"/> No
592858	Mercuric thiocyanate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7782867	Mercurous nitrate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7439-97-6	Mercury	_____	<input type="radio"/> Yes	<input type="radio"/> No
72-43-5	Methoxychlor [Benzene, 1,1'-(2, 2, 2-trichloroethylidene) bis [4-methoxy-]	_____	<input type="radio"/> Yes	<input type="radio"/> No
80-62-6	Methyl methacrylate	_____	<input type="radio"/> Yes	<input type="radio"/> No
5865	2-Methylacetonitrile	_____	<input type="radio"/> Yes	<input type="radio"/> No
3697243	5-Methylchrysene	_____	<input type="radio"/> Yes	<input type="radio"/> No
298000	Methyl parathion	_____	<input type="radio"/> Yes	<input type="radio"/> No
7786347	Mevinphos	_____	<input type="radio"/> Yes	<input type="radio"/> No
300765	Naled	_____	<input type="radio"/> Yes	<input type="radio"/> No
91-20-3	Naphthalene	_____	<input type="radio"/> Yes	<input type="radio"/> No
7440-02-0	Nickel	_____	<input type="radio"/> Yes	<input type="radio"/> No
15699180	Nickel ammonium sulfate	_____	<input type="radio"/> Yes	<input type="radio"/> No
37211055	Nickel chloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
7718549	Nickel chloride	_____	<input type="radio"/> Yes	<input type="radio"/> No
12054487	Nickel hydroxide	_____	<input type="radio"/> Yes	<input type="radio"/> No
14216752	Nickel nitrate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7786814	Nickel sulfate	_____	<input type="radio"/> Yes	<input type="radio"/> No
7697-37-2	Nitric acid	_____	<input type="radio"/> Yes	<input type="radio"/> No
98-95-3	Nitrobenzene	_____	<input type="radio"/> Yes	<input type="radio"/> No
88-75-5	2-Nitrophenol	_____	<input type="radio"/> Yes	<input type="radio"/> No
100-02-7	4-Nitrophenol	_____	<input type="radio"/> Yes	<input type="radio"/> No
5522430	1-Nitropyrene	_____	<input type="radio"/> Yes	<input type="radio"/> No
62-75-9	N-Nitrosodimethylamine	_____	<input type="radio"/> Yes	<input type="radio"/> No
86-30-6	N-Nitrosodiphenylamine	_____	<input type="radio"/> Yes	<input type="radio"/> No
621-64-7	N-Nitrosodi-n-propylamine	_____	<input type="radio"/> Yes	<input type="radio"/> No
56-38-2	Parathion [Phosphorothioic acid, O, O-diethyl-O-(4-nitrophenyl) ester]	_____	<input type="radio"/> Yes	<input type="radio"/> No
87-86-5	Pentachlorophenol (PCP)	_____	<input type="radio"/> Yes	<input type="radio"/> No

85018	Phenanthrene	<input type="radio"/> Yes	<input type="radio"/> No
108-95-2	Phenol	<input type="radio"/> Yes	<input type="radio"/> No
7664-38-2	Phosphoric acid	<input type="radio"/> Yes	<input type="radio"/> No
7723-14-0	Phosphorus (yellow or white)	<input type="radio"/> Yes	<input type="radio"/> No
1336-36-3	Polychlorinated biphenyls (PCBs)	<input type="radio"/> Yes	<input type="radio"/> No
778410	Potassium arsenate	<input type="radio"/> Yes	<input type="radio"/> No
10124502	Potassium arsenite	<input type="radio"/> Yes	<input type="radio"/> No
7778509	Potassium bichromate	<input type="radio"/> Yes	<input type="radio"/> No
7789006	Potassium chromate	<input type="radio"/> Yes	<input type="radio"/> No
151508	Potassium cyanide	<input type="radio"/> Yes	<input type="radio"/> No
2312358	Propargite	<input type="radio"/> Yes	<input type="radio"/> No
75-56-9	Propylene oxide	<input type="radio"/> Yes	<input type="radio"/> No
91-22-5	Quinoline	<input type="radio"/> Yes	<input type="radio"/> No
7782-49-2	Selenium	<input type="radio"/> Yes	<input type="radio"/> No
7446084	Selenium oxide	<input type="radio"/> Yes	<input type="radio"/> No
7440-22-4	Silver	<input type="radio"/> Yes	<input type="radio"/> No
7761888	Silver nitrate	<input type="radio"/> Yes	<input type="radio"/> No
7631892	Sodium arsenate	<input type="radio"/> Yes	<input type="radio"/> No
7784465	Sodium arsenite	<input type="radio"/> Yes	<input type="radio"/> No
10588019	Sodium bichromate	<input type="radio"/> Yes	<input type="radio"/> No
7775113	Sodium chromate	<input type="radio"/> Yes	<input type="radio"/> No
143339	Sodium cyanide	<input type="radio"/> Yes	<input type="radio"/> No
7632000	Sodium nitrite	<input type="radio"/> Yes	<input type="radio"/> No
10102188	Sodium selenite1	<input type="radio"/> Yes	<input type="radio"/> No
7782823	Sodium selenite2	<input type="radio"/> Yes	<input type="radio"/> No
7789062	Strontium chromate	<input type="radio"/> Yes	<input type="radio"/> No
NA	Strychnine & salts	<input type="radio"/> Yes	<input type="radio"/> No
100-42-5	Styrene	<input type="radio"/> Yes	<input type="radio"/> No
7664-93-9	Sulfuric acid	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (T - Z)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>
79-34-5	1, 1, 2, 2-Tetrachloroethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
127-18-4	Tetrachloroethylene (Perchloroethylene)	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
935-95-5	2, 3, 5, 6-Tetrachlorophenol	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
78002	Tetraethyl lead	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
7440-28-0	Thallium	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
10031591	Thallium sulfate	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
108-88-3	Toluene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
8001-35-2	Toxaphene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No

52-68-6	Trichlorfon [Phosphonic acid, (2, 2, 2-trichloro-1-hydroxyethyl)-dimethylester]	<input type="radio"/> Yes	<input type="radio"/> No
120-82-1	1, 2, 4-Trichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
71-55-6	1, 1, 1-Trichloroethane (Methyl chloroform)	<input type="radio"/> Yes	<input type="radio"/> No
79-00-5	1, 1, 2-Trichloroethane	<input type="radio"/> Yes	<input type="radio"/> No
79-01-6	Trichloroethylene	<input type="radio"/> Yes	<input type="radio"/> No
95-95-4	2, 4, 5-Trichlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
88-06-2	2, 4, 6-Trichlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
121448	Triethylamine	<input type="radio"/> Yes	<input type="radio"/> No
7440-62-2	Vanadium (fume or dust)	<input type="radio"/> Yes	<input type="radio"/> No
108-05-4	Vinyl acetate	<input type="radio"/> Yes	<input type="radio"/> No
75-01-4	Vinyl chloride	<input type="radio"/> Yes	<input type="radio"/> No
75-35-4	Vinylidene chloride	<input type="radio"/> Yes	<input type="radio"/> No
108-38-3	m-Xylene	<input type="radio"/> Yes	<input type="radio"/> No
95-47-6	o-Xylene	<input type="radio"/> Yes	<input type="radio"/> No
106-42-3	p-Xylene	<input type="radio"/> Yes	<input type="radio"/> No
1330-20-7	Xylene (mixed isomers)	<input type="radio"/> Yes	<input type="radio"/> No
7440-66-6	Zinc (fume or dust)	<input type="radio"/> Yes	<input type="radio"/> No
557346	Zinc acetate	<input type="radio"/> Yes	<input type="radio"/> No
14639975	Zinc ammonium chloride1	<input type="radio"/> Yes	<input type="radio"/> No
14639986	Zinc ammonium chloride2	<input type="radio"/> Yes	<input type="radio"/> No
52628258	Zinc ammonium chloride3	<input type="radio"/> Yes	<input type="radio"/> No
1332076	Zinc borate	<input type="radio"/> Yes	<input type="radio"/> No
7699458	Zinc bromide	<input type="radio"/> Yes	<input type="radio"/> No
3486359	Zinc carbonate	<input type="radio"/> Yes	<input type="radio"/> No
7646857	Zinc chloride	<input type="radio"/> Yes	<input type="radio"/> No
557211	Zinc cyanide	<input type="radio"/> Yes	<input type="radio"/> No
7783495	Zinc fluoride	<input type="radio"/> Yes	<input type="radio"/> No
557415	Zinc formate	<input type="radio"/> Yes	<input type="radio"/> No
7779864	Zinc hydrosulfite	<input type="radio"/> Yes	<input type="radio"/> No
7779886	Zinc nitrate	<input type="radio"/> Yes	<input type="radio"/> No
127822	Zinc phenolsulfonate	<input type="radio"/> Yes	<input type="radio"/> No
1314847	Zinc phosphide	<input type="radio"/> Yes	<input type="radio"/> No
16871719	Zinc silicofluoride	<input type="radio"/> Yes	<input type="radio"/> No
7733020	Zinc sulfate	<input type="radio"/> Yes	<input type="radio"/> No

Section 10: Receiving Stream Information

10. Receiving Streams to Major River (e.g., unnamed tributary of Little Creek of Large Creek of Kanawha River; if discharge is not directly into a stream, report nearest stream to any storm water discharge)*:

Name of Immediate Receiving Stream Unnamed Tributary of

Unnamed tributary of Unnamed tributary of

Elk Branch tributary of Elk Run tributary of

Major Basin: Potomac River Drains

For each outlet, list the latitude and longitude to the nearest second and the River mile Point (if known). Refer to instructions Document.

Outlet Number: 002

Latitude: 39 1/2 21 1/2 22 1/2

Longitude: 77 1/2 52 1/2 12 1/2 Interactive Mapper

UTM Zone:

UTM Northing:

UTM Easting:

River Mile Point:

Geo Spatial Method: GPS/GNSS

Datum: NAD83

Actual Average Flow: 2717.08 GPD (Gallons Per Day)

Section 18A: Waste Characteristics

18. Is this application for a **NEW FACILITY** or for facilities that significant changes have been made?

Yes No

Waste Characteristics: For each storm water outlet, samples must be taken for the following parameters and the results submitted with this registration form:

A. Pollutant analyses required for outlets at all sites:

Is Attached: Yes No

Oil & Grease	NA	TSS	NA
pH	NA	TKN	NA
BOD-5	NA	Nitrate plus nitrite	NA
COD	NA	Total Phosphorous	NA

Section 18B: Toxic Pollutants (Table No. 2)

Toxic Pollutants required to be identified by applicant if expected to be present

If no pollutant is believed present, in this list: All not present

Toxic Pollutants and Total Phenols

	RESULTS	PRESENT
Total Antimony		<input type="radio"/> Yes <input type="radio"/> No
Total Arsenic		<input type="radio"/> Yes <input type="radio"/> No
Total Beryllium		<input type="radio"/> Yes <input type="radio"/> No
Total Cadmium		<input type="radio"/> Yes <input type="radio"/> No
Total Chromium		<input type="radio"/> Yes <input type="radio"/> No
Total Copper		<input type="radio"/> Yes <input type="radio"/> No
Total Lead		<input type="radio"/> Yes <input type="radio"/> No
Total Mercury		<input type="radio"/> Yes <input type="radio"/> No

Total Nickel	<input type="radio"/> Yes	<input type="radio"/> No
Total Selenium	<input type="radio"/> Yes	<input type="radio"/> No
Total Silver	<input type="radio"/> Yes	<input type="radio"/> No
Total Thallium	<input type="radio"/> Yes	<input type="radio"/> No
Total Zinc	<input type="radio"/> Yes	<input type="radio"/> No
Total Cyanide	<input type="radio"/> Yes	<input type="radio"/> No
Total Phenols	<input type="radio"/> Yes	<input type="radio"/> No

<u>GC/MS Fraction Volatile Compounds</u>		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
	RESULTS	PRESENT
Acrolein	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Acrylonitrile	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Benzene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Bromoform	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Carbon Tetrachloride	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Chlorobenzene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Chlorobromomethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Chloromethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
2-ChloromethylVinyl Ether	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Chloroform	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Dichlorobromomethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.1-Dichloroethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.2-Dichloroethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.1-Dichloroethylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.3-Dichloropropylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Ethylbenzene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Methyl Bromide	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Methyl Chloride	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Methylene Chloride	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.1.2.2-Tetrachloroethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Tetrachloroethylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Toluene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.2-Trans-Dichloroethylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.1.1-Trichloroethane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.1.2-Trichloroethylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Trichloroethylene	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
Vinyl Chloride	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No
1.2 Dichloropropane	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No

<u>Acid Compounds</u>		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
	RESULTS	PRESENT
2-Chlorophenol	<input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No

2,4-Dichlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
4,6- Dinitro-O-Cresol	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dinitrophenol	<input type="radio"/> Yes	<input type="radio"/> No
Phenol	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dimethylphenol	<input type="radio"/> Yes	<input type="radio"/> No
2-Nitrophenol	<input type="radio"/> Yes	<input type="radio"/> No
4-Nitrophenol	<input type="radio"/> Yes	<input type="radio"/> No
p-Chloro-M-Cresol	<input type="radio"/> Yes	<input type="radio"/> No
Pentachlorophenol	<input type="radio"/> Yes	<input type="radio"/> No
2,4,6-Trichlorophenol	<input type="radio"/> Yes	<input type="radio"/> No

Base/Neutral

If no pollutant is believed present, in this list: All not present

Acenaphthene	<input type="radio"/> Yes	<input type="radio"/> No
Acenaphthylene	<input type="radio"/> Yes	<input type="radio"/> No
Anthracene	<input type="radio"/> Yes	<input type="radio"/> No
Benzidine	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Diphenylhydrazine (as Azobenzene)	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)anthracene	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)pyrene	<input type="radio"/> Yes	<input type="radio"/> No
3, 4-Benzofluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(k)fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(ghi)perylene	<input type="radio"/> Yes	<input type="radio"/> No
Bis(Bischloroethyl)ether	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethyl)ether	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroisopropyl)ether	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethoxy)methane	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-ethylhexyl)phthalate	<input type="radio"/> Yes	<input type="radio"/> No
4-Bromophenyl Phenyl Ether	<input type="radio"/> Yes	<input type="radio"/> No
Butylbenzyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
2-Dinitrophenol	<input type="radio"/> Yes	<input type="radio"/> No
4-Chlorophenyl Phenyl Ether	<input type="radio"/> Yes	<input type="radio"/> No
2-Chloronaphthalene	<input type="radio"/> Yes	<input type="radio"/> No
Chrysene	<input type="radio"/> Yes	<input type="radio"/> No
Dibenzo(a,h)anthracene	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
1, 3-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
1, 4-Dichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
3,3-Dichlorobenzidine	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Butyl Phthalate	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Octylphthalate	<input type="radio"/> Yes	<input type="radio"/> No

2, 4-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
2, 6-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
Fluorene	<input type="radio"/> Yes	<input type="radio"/> No
Fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobutadiene	<input type="radio"/> Yes	<input type="radio"/> No
Hexachloroethane	<input type="radio"/> Yes	<input type="radio"/> No
Indeno(1.2.3cd)pyrene	<input type="radio"/> Yes	<input type="radio"/> No
Isophorone	<input type="radio"/> Yes	<input type="radio"/> No
Napthalene	<input type="radio"/> Yes	<input type="radio"/> No
Nitrobenzene	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodimethylamine	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodi-N-Propylamine	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodiphenylamine	<input type="radio"/> Yes	<input type="radio"/> No
Phenanthrene	<input type="radio"/> Yes	<input type="radio"/> No
Pyrene	<input type="radio"/> Yes	<input type="radio"/> No
1, 2, 4-Trichlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No

<u>Pesticides</u>		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
Aldrin	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Gamma-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Delta-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Chlorodane	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDT	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDE	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDO	<input type="radio"/> Yes	<input type="radio"/> No
Dieldrin	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-Endosulfan	<input type="radio"/> Yes	<input type="radio"/> No
Beta-Endosulfan	<input type="radio"/> Yes	<input type="radio"/> No
Endosulfan Sulfate	<input type="radio"/> Yes	<input type="radio"/> No
Beta-BHC	<input type="radio"/> Yes	<input type="radio"/> No
Endrin	<input type="radio"/> Yes	<input type="radio"/> No
Endrin Aldehyde	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor	<input type="radio"/> Yes	<input type="radio"/> No

Heptachlor Epoxide	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1242	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1254	<input checked="" type="radio"/> Yes	<input type="radio"/> No
PCB-1221	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1232	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1248	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1260	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1016	<input type="radio"/> Yes	<input type="radio"/> No
Toxaphene	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Hazardous Substances (Table No. 3)

Toxic Pollutant		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
Asbestos	<input type="radio"/> Yes	<input type="radio"/> No

Hazardous Substances		
If no pollutant is believed present, in this list:	<input checked="" type="checkbox"/> All not present	
Acetaldehyde	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Alcohol	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Chloride	<input type="radio"/> Yes	<input type="radio"/> No
Amyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Aniline	<input type="radio"/> Yes	<input type="radio"/> No
Benzonitrile	<input type="radio"/> Yes	<input type="radio"/> No
Benzyl Chloride	<input type="radio"/> Yes	<input type="radio"/> No
Butyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Butylamine	<input type="radio"/> Yes	<input type="radio"/> No
Captan	<input type="radio"/> Yes	<input type="radio"/> No
Carbaryl	<input type="radio"/> Yes	<input type="radio"/> No
Carbofuran	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Disulfide	<input type="radio"/> Yes	<input type="radio"/> No
Chloropyrifos	<input type="radio"/> Yes	<input type="radio"/> No
Coumaphos	<input type="radio"/> Yes	<input type="radio"/> No
Cresol	<input type="radio"/> Yes	<input type="radio"/> No
Crotonaldehyde	<input type="radio"/> Yes	<input type="radio"/> No
Cyclohexane	<input type="radio"/> Yes	<input type="radio"/> No
2,4-D (2,4-Dichlorophenoxyacetic acid)	<input type="radio"/> Yes	<input type="radio"/> No
Diazinon	<input type="radio"/> Yes	<input type="radio"/> No
Dicamba	<input type="radio"/> Yes	<input type="radio"/> No
Dichlobenil	<input type="radio"/> Yes	<input type="radio"/> No
Dichlone	<input type="radio"/> Yes	<input type="radio"/> No
2,2-Dichloropropionic acid	<input type="radio"/> Yes	<input type="radio"/> No
Dichlorvos	<input type="radio"/> Yes	<input type="radio"/> No

Diethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Dimethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Dinitrobenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
Diquat	<input type="radio"/>	Yes	<input type="radio"/>	No
Disulfoton	<input type="radio"/>	Yes	<input type="radio"/>	No
Diuron	<input type="radio"/>	Yes	<input type="radio"/>	No
Epichlorohydrin	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethanolamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethion	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethylene Diamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Ethylene Dibromine	<input type="radio"/>	Yes	<input type="radio"/>	No
Formaldehyde	<input type="radio"/>	Yes	<input type="radio"/>	No
Furfural	<input type="radio"/>	Yes	<input type="radio"/>	No
Guthion	<input type="radio"/>	Yes	<input type="radio"/>	No
Isoprene	<input type="radio"/>	Yes	<input type="radio"/>	No
Isopropanolamine	<input type="radio"/>	Yes	<input type="radio"/>	No
Kelthane	<input type="radio"/>	Yes	<input type="radio"/>	No
Kepone	<input type="radio"/>	Yes	<input type="radio"/>	No
Malathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Mercaptodimethur	<input type="radio"/>	Yes	<input type="radio"/>	No
Methoxchlor	<input type="radio"/>	Yes	<input type="radio"/>	No
Methyl Mercaptan	<input type="radio"/>	Yes	<input type="radio"/>	No
Methyl Methacrylate	<input type="radio"/>	Yes	<input type="radio"/>	No
Methy Parathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Mevinphos	<input type="radio"/>	Yes	<input type="radio"/>	No
Mexacarbate	<input type="radio"/>	Yes	<input type="radio"/>	No
Monoethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Monomethyl Amine	<input type="radio"/>	Yes	<input type="radio"/>	No
Naled	<input type="radio"/>	Yes	<input type="radio"/>	No
Napthenic Acid	<input type="radio"/>	Yes	<input type="radio"/>	No
Nitrotoluene	<input type="radio"/>	Yes	<input type="radio"/>	No
Parathion	<input type="radio"/>	Yes	<input type="radio"/>	No
Phenolsulfonate	<input type="radio"/>	Yes	<input type="radio"/>	No
Phosgene	<input type="radio"/>	Yes	<input type="radio"/>	No
Propargite	<input type="radio"/>	Yes	<input type="radio"/>	No
Propylene Oxide	<input type="radio"/>	Yes	<input type="radio"/>	No
Pyrethrins	<input type="radio"/>	Yes	<input type="radio"/>	No
Quinoline	<input type="radio"/>	Yes	<input type="radio"/>	No
Resorcinol	<input type="radio"/>	Yes	<input type="radio"/>	No
Strontium	<input type="radio"/>	Yes	<input type="radio"/>	No
Strychnine	<input type="radio"/>	Yes	<input type="radio"/>	No
Styrene	<input type="radio"/>	Yes	<input type="radio"/>	No
TDE (Tetrachlorodiphenyl ethane)	<input type="radio"/>	Yes	<input type="radio"/>	No
2.4.5-TP (2.4.5-Trichlorophenoxy acetic acid)	<input type="radio"/>	Yes	<input type="radio"/>	No
Trichlorofon	<input type="radio"/>	Yes	<input type="radio"/>	No

Triethanolamine	<input type="radio"/> Yes	<input type="radio"/> No
Triethylamine	<input type="radio"/> Yes	<input type="radio"/> No
Trimethylamine	<input type="radio"/> Yes	<input type="radio"/> No
Uranium	<input type="radio"/> Yes	<input type="radio"/> No
Vanadium	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Acetate	<input type="radio"/> Yes	<input type="radio"/> No
Xylene	<input type="radio"/> Yes	<input type="radio"/> No
Xylenol	<input type="radio"/> Yes	<input type="radio"/> No
Zirconium	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Conventional and Nonconventional Pollutants (Table No.4)

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED BY EXISTING DISCHARGER IF EXPECTED TO BE PRESENT

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT
Bromide	_____	<input type="radio"/> Yes <input type="radio"/> No
Chlorine, Total Residual	_____	<input type="radio"/> Yes <input type="radio"/> No
Color	_____	<input type="radio"/> Yes <input type="radio"/> No
Fecal Coliform	_____	<input type="radio"/> Yes <input type="radio"/> No
Fluoride	_____	<input type="radio"/> Yes <input type="radio"/> No
Nitrate-Nitrite	_____	<input type="radio"/> Yes <input type="radio"/> No
Nitrogen, Total Kjeldahl	_____	<input type="radio"/> Yes <input type="radio"/> No
Oil and Grease	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfate	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfide	_____	<input type="radio"/> Yes <input type="radio"/> No
Sulfite	_____	<input type="radio"/> Yes <input type="radio"/> No
Surfactant	_____	<input type="radio"/> Yes <input type="radio"/> No
Aluminum, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Barium, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Boron, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Cobalt, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Iron, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Manganese, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Molybdenum, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Magnesium, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Tin, Total	_____	<input type="radio"/> Yes <input type="radio"/> No
Titanium, Total	_____	<input type="radio"/> Yes <input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (A - C)

If no pollutant is believed present, in this list: All not present

CAS Number	Common Name	Result	Present
75-07-0	Acetaldehyde		<input type="radio"/> Yes <input type="radio"/> No
107-02-8	Acrolein		<input type="radio"/> Yes <input type="radio"/> No
107-13-1	Acrylonitrile		<input type="radio"/> Yes <input type="radio"/> No

309-00-2	Aldrin [1, 4:5, 8-Dimethanonaphthalene, 1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a hexahydro -(1.alpha., 4.alpha., 4a.beta., 5.alpha., 8.alpha., 8a.beta.)-]	<input type="radio"/> Yes	<input type="radio"/> No
107-05-1	Allyl Chloride	<input type="radio"/> Yes	<input type="radio"/> No
7429-90-5	Aluminum (fume or dust)	<input type="radio"/> Yes	<input type="radio"/> No
7664-41-7	Ammonia	<input type="radio"/> Yes	<input type="radio"/> No
62-53-3	Aniline	<input type="radio"/> Yes	<input type="radio"/> No
120-12-7	Anthracene	<input type="radio"/> Yes	<input type="radio"/> No
7440-36-0	Antimony	<input type="radio"/> Yes	<input type="radio"/> No
7647189	Antimony pentachloride	<input type="radio"/> Yes	<input type="radio"/> No
28300745	Antimony potassium tartrate	<input type="radio"/> Yes	<input type="radio"/> No
7789619	Antimony tribromide	<input type="radio"/> Yes	<input type="radio"/> No
10025919	Antimony trichloride	<input type="radio"/> Yes	<input type="radio"/> No
7783564	Antimony trifluoride	<input type="radio"/> Yes	<input type="radio"/> No
1309644	Antimony trioxide	<input type="radio"/> Yes	<input type="radio"/> No
7440-38-2	Arsenic	<input type="radio"/> Yes	<input type="radio"/> No
1303328	Arsenic disulfide	<input type="radio"/> Yes	<input type="radio"/> No
1303282	Arsenic pentoxide	<input type="radio"/> Yes	<input type="radio"/> No
7784341	Arsenic trichloride	<input type="radio"/> Yes	<input type="radio"/> No
1327533	Arsenic trioxide	<input type="radio"/> Yes	<input type="radio"/> No
1303339	Arsenic trisulfide	<input type="radio"/> Yes	<input type="radio"/> No
1332-21-4	Asbestos (friable)	<input type="radio"/> Yes	<input type="radio"/> No
542621	Barium cyanide	<input type="radio"/> Yes	<input type="radio"/> No
71-43-2	Benzene	<input type="radio"/> Yes	<input type="radio"/> No
92-87-5	Benzidine	<input type="radio"/> Yes	<input type="radio"/> No
100470	Benzonitrile	<input type="radio"/> Yes	<input type="radio"/> No
218019	Benzo(a)phenanthrene	<input type="radio"/> Yes	<input type="radio"/> No
50328	Benzo(a)pyrene	<input type="radio"/> Yes	<input type="radio"/> No
205992	Benzo(b)fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
205823	Benzo(j)fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
207089	Benzo(k)fluoranthene	<input type="radio"/> Yes	<input type="radio"/> No
189559	Benzo(rst)pentaphene	<input type="radio"/> Yes	<input type="radio"/> No
56553	Benzo(a)anthracene	<input type="radio"/> Yes	<input type="radio"/> No
100-44-7	Benzyl chloride	<input type="radio"/> Yes	<input type="radio"/> No
7440-41-7	Beryllium	<input type="radio"/> Yes	<input type="radio"/> No
7787475	Beryllium chloride	<input type="radio"/> Yes	<input type="radio"/> No
7787497	Beryllium fluoride	<input type="radio"/> Yes	<input type="radio"/> No
7787555	Beryllium nitrate	<input type="radio"/> Yes	<input type="radio"/> No
111-44-4	Bis(2-chloroethyl) ether	<input type="radio"/> Yes	<input type="radio"/> No
75-25-2	Bromoform	<input type="radio"/> Yes	<input type="radio"/> No
74-83-9	Bromomethane (Methyl bromide)	<input type="radio"/> Yes	<input type="radio"/> No
85-68-7	Butyl benzyl phthalate	<input type="radio"/> Yes	<input type="radio"/> No
7440-43-9	Cadmium	<input type="radio"/> Yes	<input type="radio"/> No
543908	Cadmium acetate	<input type="radio"/> Yes	<input type="radio"/> No
7789426	Cadmium bromide	<input type="radio"/> Yes	<input type="radio"/> No

10108642	Cadmium chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
7778441	Calcium arsenate	<input type="radio"/>	Yes	<input type="radio"/>	No
52740166	Calcium arsenite	<input type="radio"/>	Yes	<input type="radio"/>	No
13765190	Calcium chromate	<input type="radio"/>	Yes	<input type="radio"/>	No
592018	Calcium cyanide	<input type="radio"/>	Yes	<input type="radio"/>	No
133-06-2	Captan [1H-isoindole-1, 3(2H)-dione, 3a, 4,7, 7a-tetrahydro-2- [(trichloromethyl)thio]-]	<input type="radio"/>	Yes	<input type="radio"/>	No
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	<input type="radio"/>	Yes	<input type="radio"/>	No
75-15-0	Carbon disulfide	<input type="radio"/>	Yes	<input type="radio"/>	No
1563662	Carbofuran	<input type="radio"/>	Yes	<input type="radio"/>	No
56-23-5	Carbon tetrachloride	<input type="radio"/>	Yes	<input type="radio"/>	No
57-74-9	Chlordane [4, 7-Methanoindan, 1, 2, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro-]	<input type="radio"/>	Yes	<input type="radio"/>	No
7782-50-5	Chlorine	<input type="radio"/>	Yes	<input type="radio"/>	No
59-50-7	4-Chloro 3-methyl phenol	<input type="radio"/>	Yes	<input type="radio"/>	No
	p-Chloro-m-cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
108-90-7	Chlorobenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
75-00-3	Chloroethane (Ethyl chloride)	<input type="radio"/>	Yes	<input type="radio"/>	No
67-66-3	Chloroform	<input type="radio"/>	Yes	<input type="radio"/>	No
74-87-3	Chloromethane (Methyl chloride)	<input type="radio"/>	Yes	<input type="radio"/>	No
95-57-8	2-Chlorophenol	<input type="radio"/>	Yes	<input type="radio"/>	No
106-48-9	4-Chlorophenol	<input type="radio"/>	Yes	<input type="radio"/>	No
75729	Chlorotrifluoromethane	<input type="radio"/>	Yes	<input type="radio"/>	No
1066304	Chromic acetate	<input type="radio"/>	Yes	<input type="radio"/>	No
11115745	Chromic acid	<input type="radio"/>	Yes	<input type="radio"/>	No
10101538	Chromic sulfate	<input type="radio"/>	Yes	<input type="radio"/>	No
7440-47-3	Chromium	<input type="radio"/>	Yes	<input type="radio"/>	No
1308-14-1	Chromium (Tri)	<input type="radio"/>	Yes	<input type="radio"/>	No
10049055	Chromous chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
7789437	Cobaltous bromide	<input type="radio"/>	Yes	<input type="radio"/>	No
544183	Cobaltous formate	<input type="radio"/>	Yes	<input type="radio"/>	No
14017415	Cobaltous sulfamate	<input type="radio"/>	Yes	<input type="radio"/>	No
7440-50-8	Copper	<input type="radio"/>	Yes	<input type="radio"/>	No
108-39-4	m-Cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
9548-7	o-Cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
106-44-5	p-Cresol	<input type="radio"/>	Yes	<input type="radio"/>	No
4170303	Crotonaldehyde	<input type="radio"/>	Yes	<input type="radio"/>	No
1319-77-3	Cresol (mixed isomers)	<input type="radio"/>	Yes	<input type="radio"/>	No
142712	Cupric acetate	<input type="radio"/>	Yes	<input type="radio"/>	No
12002038	Cupric acetoarsentie	<input type="radio"/>	Yes	<input type="radio"/>	No
7447394	Cupric chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
3251238	Cupric nitrate	<input type="radio"/>	Yes	<input type="radio"/>	No
5893663	Cupric oxalate	<input type="radio"/>	Yes	<input type="radio"/>	No
7758987	Cupric sulfate	<input type="radio"/>	Yes	<input type="radio"/>	No
10380297	Cupric sulfate, ammoniated	<input type="radio"/>	Yes	<input type="radio"/>	No
815827	Cupric tartrate	<input type="radio"/>	Yes	<input type="radio"/>	No

57-12-5	Cyanide	<input type="radio"/> Yes	<input type="radio"/> No
506774	Cyanogen chloride	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (D - L)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>
333415	Diazinon		<input type="radio"/> Yes <input type="radio"/> No
94-75-7	2, 4-D [Acetic acid, (2, 4-dichlorophenoxy)-]		<input type="radio"/> Yes <input type="radio"/> No
226368	Dibenz(a,h)acridine		<input type="radio"/> Yes <input type="radio"/> No
224420	Dibenz(a,j)acridene		<input type="radio"/> Yes <input type="radio"/> No
5385751	Dibenzo(a,e)fluoranthene		<input type="radio"/> Yes <input type="radio"/> No
192654	Dibenzo(a,e)pyrene		<input type="radio"/> Yes <input type="radio"/> No
53703	Dibenzo(a,h)anthracene		<input type="radio"/> Yes <input type="radio"/> No
189640	Dibenzo(a,l)pyrene		<input type="radio"/> Yes <input type="radio"/> No
191300	Dibenzo(a,h)pyrene		<input type="radio"/> Yes <input type="radio"/> No
194592	7, H-Dibenzo(c,g)carbazole		<input type="radio"/> Yes <input type="radio"/> No
106-93-4	1,2-Dibromoethane (Ethylene diadromide)		<input type="radio"/> Yes <input type="radio"/> No
84-74-2	Dibutyl phthalate		<input type="radio"/> Yes <input type="radio"/> No
1929733	2,4 D Butoxyethyl ester		<input type="radio"/> Yes <input type="radio"/> No
94804	2,4 D Butyl ester		<input type="radio"/> Yes <input type="radio"/> No
2971382	2,4 D Chlorocrotyl ester		<input type="radio"/> Yes <input type="radio"/> No
1918009	Dicamba		<input type="radio"/> Yes <input type="radio"/> No
95-50-1	1,2-Dichlorobenzene		<input type="radio"/> Yes <input type="radio"/> No
541-73-1	1,3-Dichlorobenzene		<input type="radio"/> Yes <input type="radio"/> No
106-46-7	1,4-Dichlorobenzene		<input type="radio"/> Yes <input type="radio"/> No
91-94-1	3,3'-Dichlorobenzidine		<input type="radio"/> Yes <input type="radio"/> No
75-27-4	Dichlorobromomethane		<input type="radio"/> Yes <input type="radio"/> No
107-06-2	1,2-Dichloroethane (Ethylene dichloride)		<input type="radio"/> Yes <input type="radio"/> No
75434	Dichlorofluoromethane		<input type="radio"/> Yes <input type="radio"/> No
540-59-0	1,2-Dichloroethylene		<input type="radio"/> Yes <input type="radio"/> No
120-83-2	2,4-Dichlorophenol		<input type="radio"/> Yes <input type="radio"/> No
78-87-5	1,2-Dichloropropane		<input type="radio"/> Yes <input type="radio"/> No
10061026	trans-1,3-Dichloropropene		<input type="radio"/> Yes <input type="radio"/> No
542-75-6	1,3-Dichloropropylene		<input type="radio"/> Yes <input type="radio"/> No
62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]		<input type="radio"/> Yes <input type="radio"/> No
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)-]		<input type="radio"/> Yes <input type="radio"/> No
177-81-7	Di-(2-ethylhexyl) phthalate (DEHP)		<input type="radio"/> Yes <input type="radio"/> No
84-66-2	Diethyl phthalate		<input type="radio"/> Yes <input type="radio"/> No
124403	Dimethylamine		<input type="radio"/> Yes <input type="radio"/> No
57976	7,12-Dimethylbenz(a)anthracene		<input type="radio"/> Yes <input type="radio"/> No
105-67-9	2,4-Dimethylphenol		<input type="radio"/> Yes <input type="radio"/> No
131-11-3	Dimethyl phthalate		<input type="radio"/> Yes <input type="radio"/> No
534-52-1	4,6-Dinitro- <i>o</i> -cresol		<input type="radio"/> Yes <input type="radio"/> No
51-28-5	2,4-Dinitrophenol		<input type="radio"/> Yes <input type="radio"/> No

121-14-2	2,4-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
606-20-2	2,6-Dinitrotoluene	<input type="radio"/> Yes	<input type="radio"/> No
117-84-0	n-Dioctyl phthalate	<input type="radio"/> Yes	<input type="radio"/> No
122-66-7	1,2-Diphenylhydrazine (Hydrazibenzene)	<input type="radio"/> Yes	<input type="radio"/> No
94111	2,4-D Isopropyl ester	<input type="radio"/> Yes	<input type="radio"/> No
106-89-8	Epichlorohydrin	<input type="radio"/> Yes	<input type="radio"/> No
1320189	2,4-D Propylene glycol butyl ether ester	<input type="radio"/> Yes	<input type="radio"/> No
330541	Diuron	<input type="radio"/> Yes	<input type="radio"/> No
100-41-4	Ethylbenzene	<input type="radio"/> Yes	<input type="radio"/> No
106934	Ethylene dibromide	<input type="radio"/> Yes	<input type="radio"/> No
50-00-0	Formaldehyde	<input type="radio"/> Yes	<input type="radio"/> No
76-448	Heptachlor [1, 4, 5, 6, 7, 8, 8-Heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methano-1H-indene]	<input type="radio"/> Yes	<input type="radio"/> No
118-74-1	Hexachlorobenzene	<input type="radio"/> Yes	<input type="radio"/> No
319846	alpha-Hexachlorocyclohexane	<input type="radio"/> Yes	<input type="radio"/> No
87-68-3	Hexachloro-1, 3-butadiene	<input type="radio"/> Yes	<input type="radio"/> No
77-47-4	Hexachlorocyclopentadiene	<input type="radio"/> Yes	<input type="radio"/> No
67-72-1	Hexachloroethane	<input type="radio"/> Yes	<input type="radio"/> No
7647-01-0	Hydrochloric acid	<input type="radio"/> Yes	<input type="radio"/> No
74-90-8	Hydrogen cyanide	<input type="radio"/> Yes	<input type="radio"/> No
7664-39-3	Hydrogen fluoride	<input type="radio"/> Yes	<input type="radio"/> No
193395	Indeno [1, 2, 3,-cd]pyrene	<input type="radio"/> Yes	<input type="radio"/> No
7439-92-1	Lead	<input type="radio"/> Yes	<input type="radio"/> No
301042	Lead acetate	<input type="radio"/> Yes	<input type="radio"/> No
7784409	Lead arsenate1	<input type="radio"/> Yes	<input type="radio"/> No
7645252	Lead arsenate2	<input type="radio"/> Yes	<input type="radio"/> No
10102484	Lead arsenate3	<input type="radio"/> Yes	<input type="radio"/> No
7758954	Lead chloride	<input type="radio"/> Yes	<input type="radio"/> No
13814965	Lead fluoborate	<input type="radio"/> Yes	<input type="radio"/> No
7783462	Lead fluoride	<input type="radio"/> Yes	<input type="radio"/> No
10101630	Lead iodide	<input type="radio"/> Yes	<input type="radio"/> No
10099748	Lead nitrate	<input type="radio"/> Yes	<input type="radio"/> No
742848	Lead stearate	<input type="radio"/> Yes	<input type="radio"/> No
1072351	Lead stearate1	<input type="radio"/> Yes	<input type="radio"/> No
52652592	Lead stearate2	<input type="radio"/> Yes	<input type="radio"/> No
7446142	Lead sulfate	<input type="radio"/> Yes	<input type="radio"/> No
1314870	Lead sulfide	<input type="radio"/> Yes	<input type="radio"/> No
592870	Lead thiocyanate	<input type="radio"/> Yes	<input type="radio"/> No
58-89-9	Lindane [Cyclohexane, 1, 2, 3, 4, 5, 6-hexachloro-(1.alpha.,3.beta., 4.alpha., 5.alpha., 6.beta.)-]	<input type="radio"/> Yes	<input type="radio"/> No
14307258	Lithium chromate	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (M - S)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>
121755	Malathion		<input type="radio"/> Yes <input type="radio"/> No

108-31-6	Maleic anhydride	<input type="radio"/>	Yes	<input type="radio"/>	No
592041	Mercuric cyanide	<input type="radio"/>	Yes	<input type="radio"/>	No
10045940	Mercuric nitrate	<input type="radio"/>	Yes	<input type="radio"/>	No
7783359	Mercuric sulfate	<input type="radio"/>	Yes	<input type="radio"/>	No
592858	Mercuric thiocyanate	<input type="radio"/>	Yes	<input type="radio"/>	No
7782867	Mercurous nitrate	<input type="radio"/>	Yes	<input type="radio"/>	No
7439-97-6	Mercury	<input type="radio"/>	Yes	<input type="radio"/>	No
72-43-5	Methoxychlor [Benzene, 1,1'-(2, 2, 2-trichloroethylidene) bis [4-methoxy-]	<input type="radio"/>	Yes	<input type="radio"/>	No
80-62-6	Methyl methacrylate	<input type="radio"/>	Yes	<input type="radio"/>	No
5865	2-Methylacetonitrile	<input type="radio"/>	Yes	<input type="radio"/>	No
3697243	5-Methylchrysene	<input type="radio"/>	Yes	<input type="radio"/>	No
298000	Methyl parathion	<input type="radio"/>	Yes	<input type="radio"/>	No
7786347	Mevinphos	<input type="radio"/>	Yes	<input type="radio"/>	No
300765	Naled	<input type="radio"/>	Yes	<input type="radio"/>	No
91-20-3	Naphthalene	<input type="radio"/>	Yes	<input type="radio"/>	No
7440-02-0	Nickel	<input type="radio"/>	Yes	<input type="radio"/>	No
15699180	Nickel ammonium sulfate	<input type="radio"/>	Yes	<input type="radio"/>	No
37211055	Nickel chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
7718549	Nickel chloride	<input type="radio"/>	Yes	<input type="radio"/>	No
12054487	Nickel hydroxide	<input type="radio"/>	Yes	<input type="radio"/>	No
14216752	Nickel nitrate	<input type="radio"/>	Yes	<input type="radio"/>	No
7786814	Nickel sulfate	<input type="radio"/>	Yes	<input type="radio"/>	No
7697-37-2	Nitric acid	<input type="radio"/>	Yes	<input type="radio"/>	No
98-95-3	Nitrobenzene	<input type="radio"/>	Yes	<input type="radio"/>	No
88-75-5	2-Nitrophenol	<input type="radio"/>	Yes	<input type="radio"/>	No
100-02-7	4-Nitrophenol	<input type="radio"/>	Yes	<input type="radio"/>	No
5522430	1-Nitropyrene	<input type="radio"/>	Yes	<input type="radio"/>	No
62-75-9	<u>N</u> -Nitrosodimethylamine	<input type="radio"/>	Yes	<input type="radio"/>	No
86-30-6	<u>N</u> -Nitrosodiphenylamine	<input type="radio"/>	Yes	<input type="radio"/>	No
621-64-7	<u>N</u> -Nitrosodi- <u>n</u> -propylamine	<input type="radio"/>	Yes	<input type="radio"/>	No
56-38-2	Parathion [Phosphorothioic acid, O, O-diethyl-O-(4-nitrophenyl) ester]	<input type="radio"/>	Yes	<input type="radio"/>	No
87-86-5	Pentachlorophenol (PCP)	<input type="radio"/>	Yes	<input type="radio"/>	No
85018	Phenanthrene	<input type="radio"/>	Yes	<input type="radio"/>	No
108-95-2	Phenol	<input type="radio"/>	Yes	<input type="radio"/>	No
7664-38-2	Phosphoric acid	<input type="radio"/>	Yes	<input type="radio"/>	No
7723-14-0	Phosphorus (yellow or white)	<input type="radio"/>	Yes	<input type="radio"/>	No
1336-36-3	Polychlorinated biphenyls (PCBs)	<input type="radio"/>	Yes	<input type="radio"/>	No
778410	Potassium arsenate	<input type="radio"/>	Yes	<input type="radio"/>	No
10124502	Potassium arsenite	<input type="radio"/>	Yes	<input type="radio"/>	No
7778509	Potassium bichromate	<input type="radio"/>	Yes	<input type="radio"/>	No
7789006	Potassium chromate	<input type="radio"/>	Yes	<input type="radio"/>	No
151508	Potassium cyanide	<input type="radio"/>	Yes	<input type="radio"/>	No
2312358	Propargite	<input type="radio"/>	Yes	<input type="radio"/>	No
75-56-9	Propylene oxide	<input type="radio"/>	Yes	<input type="radio"/>	No

91-22-5	Quinoline	<input type="radio"/> Yes	<input type="radio"/> No
7782-49-2	Selenium	<input type="radio"/> Yes	<input type="radio"/> No
7446084	Selenium oxide	<input type="radio"/> Yes	<input type="radio"/> No
7440-22-4	Silver	<input type="radio"/> Yes	<input type="radio"/> No
7761888	Silver nitrate	<input type="radio"/> Yes	<input type="radio"/> No
7631892	Sodium arsenate	<input type="radio"/> Yes	<input type="radio"/> No
7784465	Sodium arsenite	<input type="radio"/> Yes	<input type="radio"/> No
10588019	Sodium bichromate	<input type="radio"/> Yes	<input type="radio"/> No
7775113	Sodium chromate	<input type="radio"/> Yes	<input type="radio"/> No
143339	Sodium cyanide	<input type="radio"/> Yes	<input type="radio"/> No
7632000	Sodium nitrite	<input type="radio"/> Yes	<input type="radio"/> No
10102188	Sodium selenite1	<input type="radio"/> Yes	<input type="radio"/> No
7782823	Sodium selenite2	<input type="radio"/> Yes	<input type="radio"/> No
7789062	Strontium chromate	<input type="radio"/> Yes	<input type="radio"/> No
NA	Strychnine & salts	<input type="radio"/> Yes	<input type="radio"/> No
100-42-5	Styrene	<input type="radio"/> Yes	<input type="radio"/> No
7664-93-9	Sulfuric acid	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (T - Z)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>
79-34-5	1, 1, 2, 2-Tetrachloroethane		<input type="radio"/> Yes <input type="radio"/> No
127-18-4	Tetrachloroethylene (Perchloroethylene)		<input type="radio"/> Yes <input type="radio"/> No
935-95-5	2, 3, 5, 6-Tetrachlorophenol		<input type="radio"/> Yes <input type="radio"/> No
78002	Tetraethyl lead		<input type="radio"/> Yes <input type="radio"/> No
7440-28-0	Thallium		<input type="radio"/> Yes <input type="radio"/> No
10031591	Thallium sulfate		<input type="radio"/> Yes <input type="radio"/> No
108-88-3	Toluene		<input type="radio"/> Yes <input type="radio"/> No
8001-35-2	Toxaphene		<input type="radio"/> Yes <input type="radio"/> No
52-68-6	Trichlorfon [Phosphonic acid, (2, 2, 2-trichloro-1-hydroxyethyl)-dimethylester]		<input type="radio"/> Yes <input type="radio"/> No
120-82-1	1, 2, 4-Trichlorobenzene		<input type="radio"/> Yes <input type="radio"/> No
71-55-6	1, 1, 1-Trichloroethane (Methyl chloroform)		<input type="radio"/> Yes <input type="radio"/> No
79-00-5	1, 1, 2-Trichloroethane		<input type="radio"/> Yes <input type="radio"/> No
79-01-6	Trichloroethylene		<input type="radio"/> Yes <input type="radio"/> No
95-95-4	2, 4, 5-Trichlorophenol		<input type="radio"/> Yes <input type="radio"/> No
88-06-2	2, 4, 6-Trichlorophenol		<input type="radio"/> Yes <input type="radio"/> No
121448	Triethylamine		<input type="radio"/> Yes <input type="radio"/> No
7440-62-2	Vanadium (fume or dust)		<input type="radio"/> Yes <input type="radio"/> No

108-05-4	Vinyl acetate	<input type="radio"/> Yes	<input type="radio"/> No
75-01-4	Vinyl chloride	<input type="radio"/> Yes	<input type="radio"/> No
75-35-4	Vinylidene chloride	<input type="radio"/> Yes	<input type="radio"/> No
108-38-3	<u>m</u> -Xylene	<input type="radio"/> Yes	<input type="radio"/> No
95-47-6	<u>o</u> -Xylene	<input type="radio"/> Yes	<input type="radio"/> No
106-42-3	<u>p</u> -Xylene	<input type="radio"/> Yes	<input type="radio"/> No
1330-20-7	Xylene (mixed isomers)	<input type="radio"/> Yes	<input type="radio"/> No
7440-66-6	Zinc (fume or dust)	<input type="radio"/> Yes	<input type="radio"/> No
557346	Zinc acetate	<input type="radio"/> Yes	<input type="radio"/> No
14639975	Zinc ammonium chloride1	<input type="radio"/> Yes	<input type="radio"/> No
14639986	Zinc ammonium chloride2	<input type="radio"/> Yes	<input type="radio"/> No
52628258	Zinc ammonium chloride3	<input type="radio"/> Yes	<input type="radio"/> No
1332076	Zinc borate	<input type="radio"/> Yes	<input type="radio"/> No
7699458	Zinc bromide	<input type="radio"/> Yes	<input type="radio"/> No
3486359	Zinc carbonate	<input type="radio"/> Yes	<input type="radio"/> No
7646857	Zinc chloride	<input type="radio"/> Yes	<input type="radio"/> No
557211	Zinc cyanide	<input type="radio"/> Yes	<input type="radio"/> No
7783495	Zinc fluoride	<input type="radio"/> Yes	<input type="radio"/> No
557415	Zinc formate	<input type="radio"/> Yes	<input type="radio"/> No
7779864	Zinc hydrosulfite	<input type="radio"/> Yes	<input type="radio"/> No
7779886	Zinc nitrate	<input type="radio"/> Yes	<input type="radio"/> No
127822	Zinc phenolsulfonate	<input type="radio"/> Yes	<input type="radio"/> No
1314847	Zinc phosphide	<input type="radio"/> Yes	<input type="radio"/> No
16871719	Zinc silicofluoride	<input type="radio"/> Yes	<input type="radio"/> No
7733020	Zinc sulfate	<input type="radio"/> Yes	<input type="radio"/> No

Sections 11 - 13: Standard Industrial Classification (SIC), Nature of Business, Existing Permits

11. List the Standard Industrial Classification (SIC) Code designated for your facility:
 3089 Plastics products, not elsewhere classified



12. List any existing WV/NPDES Permits previously issued by the Division of Water and Waste Management:
 Number: WVR109062
 Date: 03/08/2018
 If you have none check this box:

13. Nature of Business (provide brief description):

A manufacturing facility that produces construction products for insulation and drainage systems for residential, industrial & commercial use.

Sections 15 - 17: Topographic Map, Sketch of Treatment System, Runoff Characteristics

- 15. Attach to this application a topographic map of the area. The map must mark the location of the facility, location of all wells, sinkholes, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the facility.
- 16. Attach to this application a sketch of the facility showing the location of any treatment system for storm water, each location of outlets carrying storm water, and the site and runoff characteristics of each drainage area carrying runoff in square feet.

Runoff Characteristics - Determination of Areas:			Sketches
			Determination of Area
A.	Paved, roofed or other impervious areas	104630	Square Feet
B.	Graveled or stoned areas	4578	Square Feet
C.	Exposed or barren ground	0	Square Feet
D.	Vegetated areas	57707	Square Feet
	Total	166915	Square Feet

- 17. Average Annual Rainfall (in inches) for your precipitation zone

Zone 4 - Eastern Panhandle - 37.0 inches/year

 Precipitation Zones

Average Runoff in Gallons per Day

6515

For attached SHP files, please select from below:

Datum: NAD 83

Projection: State Plane North

Section 19: Storm Water pollution Prevention Plan (SWPPP)

- 19. ALL NEW FACILITIES APPLYING FOR GENERAL STORM WATER PERMIT COVERAGE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP)/ GROUND WATER PROTECTION PLAN (GPP), IS REQUIRED, SIGNED WITH A CERTIFICATION EXACTLY LIKE THAT AT THE END OF THIS APPLICATION FORM. All other facilities should already have a SWPPP/GPP in place.
PLEASE NOTE: All facilities applying for multi-sector general storm water permit coverage **MUST** submit a Stormwater Pollution Prevention Plan (SWPPP) and a Groundwater Protection Plan (GPP) for the facility. Each plan or a combined plan must be certified (See Item No. 23 for certification language) by the designated signatory authority of the facility.
Has your facility developed a Storm Water pollution Prevention Plan (SWPPP) /Ground Water Protection Plan (GPP), and is a copy of the plan(s) retained on site? YES NO
If YES, attach the plan(s) to the permit application. If the plans have not been revised / updated within the last five years please revise and update plan(s) prior to submittal.
If NO, permit coverage cannot be granted until a SWPPP/GPP for the site is submitted and approved.
- 19a. Has the facility at any time been required to maintain a Spill Prevention Control and Countermeasures Plan (SPCC) per 40 CFR 112.8-12 or a Facility Response Plan (FRP) per 40 CFR 122.2? If so please attach the SPCC Plan or FRP for review. YES NO

Section 21: Pond on the Facility

- 21. If there is a pond on your facility, please determine whether or not it collects storm water from areas on which industrial activities occur. If no, mark no for Parts A and B. If yes, mark yes for A or B depending on the type of pond and enter the total acres drained by the pond. Please indicate if there are any oil / water separators at your facility. If so, please list which outlets have an oil / water separator.
- A. Is there a wet pond at your facility? (See instructions for definition)
 YES NO Acres Drained: _____
- B. Is there a dry pond at your facility? (See instructions for definition)
 YES NO Acres Drained: _____
- C. Do any of your storm water outlets discharge through an oil water separator?

YES NO Acres Drained: Outlet:

Section 22: Tank(s) Information

22. A. List the total number of chemical, fuel and lubricant storage tanks including raw material, product, intermediate, and waste storage tanks located at your facility that store at least 1,320 gallons.
 NA

B. List the maximum size of each tank and what materials are stored in EACH tank. Also for each tank please include the date the tank's integrity was last tested and whether the tank has ever had an observed release. If a release has occurred please attach the release report and describe what repairs to the tank have been made to prevent future releases. Use additional pages as necessary. If this information is already included in an Above Storage Tank (AST) registration program or permitting program there is no need to supply this information.

Tank ID/Number	NA
Size of Tank	NA
Material stored in Tank	NA
Date tank integrity last tested	NA <input type="checkbox"/> <input checked="" type="checkbox"/>
Observed Release	<input type="radio"/> Yes <input checked="" type="radio"/> No

C. For each tank indicated above list whether secondary containment is provided for the tank, what type of secondary containment type is used (double walled tank, containment wall etc.) and the volume in percent this secondary containment provides for the largest tank within the secondary containment. Also for each tank please include the date the secondary containment's integrity was last tested and whether the containment has ever had an observed release. If a release has occurred please attach the release report and describe what repairs to the secondary containment have been made to prevent future releases. Use additional pages as necessary.

Secondary Containment	NA
Size of Secondary Containment	NA
Type of Secondary Containment	NA
Date Integrity Testing of Secondary Containment	NA <input type="checkbox"/> <input checked="" type="checkbox"/>
Observed Release	<input type="radio"/> Yes <input checked="" type="radio"/> No

For tanks of 5,000 gallons or more that are not already included in either the facility's SWPPP, GPP or SPCC Plans please indicate spill prevention and control measures that are employed at the facility including procedures for notifying downstream receptors in the case of a release of materials that could potentially migrate off the facility's property. Use additional pages as necessary. If this information is already included in an AST registration program or permitting program there is no need to supply duplicate information.


NA

Section 23: Certification

By completing and submitting this application, I have reviewed, understood and agreed to the terms and conditions of the general permit. I understand that provisions of the permit are enforceable by law. Violations of any term and condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining 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.

23. SIGNATURE of OWNER _____

Owner Name and/or Authorized Official of Company:	Eric Lewis
TITLE:	JCDA President
DATE:	10/8/2018 

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 Jefferson County Development Authority, of which I am
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 Jefferson County Development Authority, 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: Jefferson County Development Authority
Address Line 1: PO BOX 237
Address Line 2:
Country: United States of America
City: Charles Town
State: West Virginia
Zip: 25414 PostalCode Ref.

Eric Lewis 304-728-3255 (###-###-####)
authorized representative area code phone number

Signature of Authorized Representative

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

Notary Public

Commission Expires



Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY
Facility: 0103-17-0430 NPDES Permit (10/08/2018)
Type: New NPDES Industrial Permit #1
Permit: WVG611874

Menu For: Storm Water Associated with Industrial Activity(Multi-Sector)

[All Comments](#) [Close](#)


Delete	Edit	Section	Date	Comment	Type	From	Created By
		Section 10: Receiving Stream Information	10/18/2018	This site's outfalls discharge into the Burr Industrial Park's stormwater management and drainage system, which discharges into the WVDOH drainage systems of Rt 115 and Rt 9. These state systems then discharge into unknown tributary of Elk Branch. Per my conversations with Jefferson County Engineering Department, the Burr Industrial Parks stormwater management/drainage system is designed with best management practices which are engineered systems that detain the post-development stormwater flows to pre-development stormwater flows. The Jefferson County Engineering Department says there are no known sinkholes within the Burr Industrial Parks stormwater management/drainage system.	ALL	APPLICANT	KNECHTEL, KEVIN
		Section 10: Receiving Stream Information	10/18/2018	This site's outfalls discharge into the Burr Industrial Park's stormwater management and drainage system, which discharges into the WVDOH drainage systems of Rt 115 and Rt 9. These state systems then discharge into unknown tributary of Elk Branch. Per my conversations with Jefferson County Engineering Department, the Burr Industrial Parks stormwater management/drainage system is designed with best management practices which are engineered systems that detain the post-development stormwater flows to pre-development stormwater flows. The Jefferson County Engineering Department says there are no known sinkholes within the Burr Industrial Parks stormwater management/drainage system.	ALL	APPLICANT	KNECHTEL, KEVIN
		Section 19: Storm Water pollution Prevention Plan (SWPPP)	02/04/2019	The facility site sketch has the location of the floor drain and where they discharge to the sanitary sewer. The combined stormwater/groundwater protection plan has been	ALL	APPLICANT	KNECHTEL, KEVIN

revised to include a weekly inspection schedule for the inspection of all outlets for plastic pellets.

<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>02/04/2019</p>	<p>Unlock to revise SWPPP</p>	<p>ALL</p>	<p>APPLICANT KNECHTEL, KEVIN</p>
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>02/01/2019</p>	<p>Please indicate on the facility site sketch the location of all floor drains and where they discharge to.</p>	<p>ALL</p>	<p>REVIEWER BURCH, PATRICK</p>
		<p>The combined stormwater/groundwater protection plan must be revised to include an inspection schedule for the inspection of all outlets for plastic pellets.</p>		
		<p>When complete, scan and the attach the entire plan, mark section complete, save changes and resubmit within 10 days.</p>		
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/29/2018</p>	<p>The Groundwater Program has reviewed the combined SWPPP and GPP. The plan was found to satisfy the requirements of 47 CSR 58 (the Groundwater Protection Rule) and is approved.</p>	<p>ALL</p>	<p>REVIEWER BARBERY, ALBERT MARSHALL</p>
		<p>If you have any questions contact albert.barbery@wv.gov or 304-926-0499 ext. 1336.</p>		
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/26/2018</p>	<p>To Correct an error</p>	<p>ALL</p>	<p>APPLICANT KNECHTEL, KEVIN</p>
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/26/2018</p>	<p>The corrections concerning fluids has not been made as requested please revise the plan to include this and resubmit within 15 days. For questions contact Patrick Burch at 304-926-0499 ext. 1067.</p>	<p>ALL</p>	<p>REVIEWER BURCH, PATRICK</p>
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/25/2018</p>	<p>The Pollution Prevention Plan is a combined SW and Groundwater Prevention plan and has been revised per the comments from Mr Patrick Burch during our recent site visit.</p>	<p>ALL</p>	<p>APPLICANT KNECHTEL, KEVIN</p>
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/25/2018</p>	<p>Revised PPP to replace original</p>	<p>ALL</p>	<p>APPLICANT KNECHTEL, KEVIN</p>
<p>Section 19: Storm Water pollution Prevention Plan (SWPPP)</p>	<p>10/15/2018</p>	<p>Please list all 55 gallon drums and all other tanks containing fluids located on the site. List where all these are located, the contents of all of them and the type and size of secondary containment provided for each. Also list all other materials that may impact stormwater such as</p>	<p>ALL</p>	<p>REVIEWER BURCH, PATRICK</p>

plastic pellets and how these materials are stored. Then mark section complete, save changes and resubmit within 15 days. For questions contact Patrick Burch at 304-926-0499 ext. 1067.

Section 19: Storm Water pollution Prevention Plan (SWPPP)	10/12/2018	The Pollution Prevention Plan is a combined SW and Groundwater Prevention plan	ALL	APPLICANT KNECHTEL, KEVIN
Section 18A: Waste Characteristics	10/09/2018	This facility is built but is not in operation at this time. Samples will be taken once facility is operating.	ALL	APPLICANT KNECHTEL, KEVIN
Section 18A: Waste Characteristics	10/09/2018	This facility is built but is not in operation at this time. Samples will be taken once facility is operating.	ALL	APPLICANT KNECHTEL, KEVIN

	Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY Reference ID: 0103-17-0430 NPDES Permit (10/08/2018) Status: ERS - Closed - Issued	Type: New NPDES Industrial Permit #1 Permit ID: WVG611874 Printed: May. 09, 2019 11:21 AM
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Sections 1 - 2: Facility Information

Name of Facility:	<input type="text"/>	
2. Location (Street or Highway):	<input type="text"/>	
City:	<input type="text"/>	
County:	<input type="text" value="v"/>	
Postal Code:	<input type="text"/>	<input type="text" value="PostalCode Ref."/>
4. Facility Telephone Number:	<input type="text"/>	(### ### ####)
Email Address:	<input type="text"/>	
Directions to Site:	<input type="text"/>	

Sections 3 - 4: Owner Information

3. Owner:	<input type="text" value="JEFFERSON COUNTY DEVELOPMENT AUTHORITY"/>	
Title:	<input type="text"/>	
Federal Employer Identification Number (FEIN):	<input type="text" value="31-1570791"/>	
4. Owner Telephone Number:	<input type="text" value="304-728-3255"/>	(### ### ####)
Mailing Address		
Address Line 1:	<input type="text" value="PO BOX 237"/>	
Address Line 2:	<input type="text"/>	
City:	<input type="text" value="CHARLES TOWN"/>	
Country:	<input type="text" value="v"/>	
State:	<input type="text" value="v"/>	
Zip:	<input type="text" value="25414"/>	<input type="text" value="PostalCode Ref."/>
Email Address:	<input type="text" value="janejones@jcda.net"/>	

Sections 5 - 9: Operator Information

Same as Owner?	<input type="radio"/> Yes <input checked="" type="radio"/> No
5. Operator:	<input type="text" value="TeMa North America, LLC"/>

Federal Employer Identification Number (FEIN):

6. Operator Telephone Number: (###-###-####)

7. Mailing Address
 Address Line 1:
 Address Line 2:
 City:
 Country: ▾
 State: ▾
 Zip:
 Email Address:

8. Contact Person:
 Title:
 Phone: (###-###-####)

9. Status of Operator
 F - Federal
 S - State
 P - Private
 M - Public
 O - Other

Section 10: Receiving Stream Information

10. Receiving Streams to Major River (e.g., unnamed tributary of Little Creek of Large Creek of Kanawha River; if discharge is not directly into a stream, report nearest stream to any storm water discharge)*:

Name of Immediate Receiving Stream Unnamed Tributary of
 tributary of tributary of
 tributary of tributary of
 Major Basin: ▾

For each outlet, list the latitude and longitude to the nearest second and the River mile Point (if known). Refer to instructions Document.

Outlet Number:

Latitude: ¹/₂ ¹/₂ ¹/₂

Longitude: ¹/₂ ¹/₂ ¹/₂ Interactive Mapper

UTM Zone: ▾

UTM Northing:

UTM Easting:

River Mile Point:	<input type="text"/>
Geo Spatial Method:	GPS/GNSS <input type="button" value="v"/>
Datum:	NAD83 <input type="button" value="v"/>
Actual Average Flow:	<input type="text" value="3798"/> GPD (Gallons Per Day)

Section 18A: Waste Characteristics

18. Is this application for a **NEW FACILITY** or for facilities that significant changes have been made?
 Yes No

Waste Characteristics: For each storm water outlet, samples must be taken for the following parameters and the results submitted with this registration form:

A. Pollutant analyses required for outlets at all sites:

Is Attached: Yes No

Oil & Grease	<input type="text" value="NA"/>	TSS	<input type="text" value="NA"/>
pH	<input type="text" value="NA"/>	TKN	<input type="text" value="NA"/>
BOD-5	<input type="text" value="NA"/>	Nitrate plus nitrite	<input type="text" value="NA"/>
COD	<input type="text" value="NA"/>	Total Phosphorous	<input type="text" value="NA"/>

Section 18B: Toxic Pollutants (Table No. 2)

Toxic Pollutants required to be identified by applicant if expected to be present

If no pollutant is believed present, in this list: All not present

Toxic Pollutants and Total Phenols

	RESULTS	PRESENT	
Total Antimony	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Arsenic	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Beryllium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Cadmium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Chromium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Copper	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Lead	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Mercury	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Nickel	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Selenium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Silver	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Thallium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Zinc	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Cyanide			

	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Phenols	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

GC/MS Fraction Volatile Compounds

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT	
Acrolein	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Acrylonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bromoform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Tetrachloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorobromomethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chloromethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-ChloromethylVinyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chloroform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlorobromomethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1-Dichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.2-Dichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1-Dichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.3-Dichloropropylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylbenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Bromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methylene Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1.2.2-Tetrachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Tetrachloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Toluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.2-Trans-Dichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1.1-Trichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1.2-Trichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.2 Dichloropropane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Acid Compounds

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT	
2-Chlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,6- Dinitro-O-Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dinitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dimethylphenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-Nitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Nitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
p-Chloro-M-Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pentachlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4,6-Trichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Base/Neutral

If no pollutant is believed present, in this list: All not present

Acenaphthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Acenaphthylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzidine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Diphenylthydrazine (as Azobenzene)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3, 4-Benzofluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(k)fluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(ghi)perylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(Bischloroethyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroisopropyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethoxy)methane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-ethylhexyl)phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Bromophenyl Phenyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butylbenzyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

2-Dinitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Chlorophenyl Phenyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-Chloronaphthalene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chrysene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dibenzo(a,h)anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 3-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 4-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3,3-Dichlorobenzidine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Butyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Octylphthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2, 4-Dinitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2, 6-Dinitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fluorene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobutadiene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Indeno(1.2.3cd)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isophorone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Napthalene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodimethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodi-N-Propylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodiphenylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenanthrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2, 4-Trichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Pesticides

If no pollutant is believed present, in this list: All not present

Aldrin Yes No

Alpha-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Gamma-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Delta-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorodane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDT	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDE	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDO	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dieldrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-Endosulfan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Beta-Endosulfan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endosulfan Sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Beta-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endrin Aldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor Epoxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1242	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1254	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1221	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1232	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1248	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1260	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1016	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Toxaphene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Hazardous Substances (Table No. 3)

<u>Toxic Pollutant</u>

If no pollutant is believed present, in this list: All not present Yes No

Asbestos

Hazardous Substances

If no pollutant is believed present, in this list: All not present Yes No

Acetaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Alcohol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Amyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Aniline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Captan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbaryl	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbofuran	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Disulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorpyrifos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Coumaphos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Crotonaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Cyclohexane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-D (2,4-Dichlorophenoxyacetic acid)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diazinon	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dicamba	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlobenil	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,2-Dichloropropionic acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlorvos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dinitrobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diquat	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Disulfoton	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Diuron	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Epichlorohydrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylene Diamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylene Dibromine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Formaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Furfural	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Guthion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isoprene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isopropanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Kelthane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Kepone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Malathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mercaptodimethur	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methoxchlor	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Mercaptan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Methacrylate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methy Parathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mevinphos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mexacarbate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Monoethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Monomethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Naled	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Napthenic Acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Parathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenolsulfonate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phosgene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Propargite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Propylene Oxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pyrethrins	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Quinoline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Resorcinol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Strontium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Strychnine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Styrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
TDE (Tetrachlorodiphenyl ethane)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2.4.5-TP (2.4.5-Trichlorophenoxy acetic acid)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trichlorofon	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Triethanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Triethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trimethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Uranium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vanadium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Xylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Xylenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Zirconium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Conventional and Nonconventional Pollutants (Table No.4)

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED BY EXISTING DISCHARGER IF EXPECTED TO BE PRESENT

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT	
Bromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorine, Total Residual	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Color	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fecal Coliform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrate-Nitrite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrogen, Total Kjeldahl	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Oil and Grease	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Surfactant	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Aluminum, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Barium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Boron, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Cobalt, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Iron, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Manganese, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Molybdenum, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Magnesium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Tin, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Titanium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (A - C)

If no pollutant is believed present, in this list: All not present

<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
75-07-0	Acetaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-02-8	Acrolein	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-13-1	Acrylonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
309-00-2	Aldrin [1, 4:5, 8-Dimethanonaphthalene, 1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a hexahydro - (1.alpha., 4.alpha., 4a.beta., 5.alpha., 8.alpha., 8a.beta.)-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-05-1	Allyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7429-90-5	Aluminum (fume or dust)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-41-7	Ammonia	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
62-53-3	Aniline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
120-12-7	Anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-36-0	Antimony	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7647189	Antimony pentachloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
28300745	Antimony potassium tartrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789619	Antimony tribromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10025919	Antimony trichloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783564	Antimony trifluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1309644	Antimony trioxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-38-2	Arsenic	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303328	Arsenic disulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303282	Arsenic pentoxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784341	Arsenic trichloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1327533	Arsenic trioxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303339	Arsenic trisulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

1332-21-4	Asbestos (friable)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
542621	Barium cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
71-43-2	Benzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
92-87-5	Benzidine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100470	Benzonitrile	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
218019	Benzo(a)phenanthrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
50328	Benzo(a)pyrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
205992	Benzo(b)fluoranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
205823	Benzo(j)fluoranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
207089	Benzo(k)fluranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
189559	Benzo(rst)pentaphene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56553	Benzo(a)anthracene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-44-7	Benzyl chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-41-7	Beryllium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787475	Beryllium chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787497	Beryllium fluoride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787555	Beryllium nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
111-44-4	Bis(2-chloroethyl) ether	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-25-2	Bromoform	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-83-9	Bromomethane (Methyl bromide)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
85-68-7	Butyl benzyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-43-9	Cadmiunum	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
543908	Cadmium acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789426	Cadmium bromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10108642	Cadmium chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7778441	Calcium arsenate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
52740166	Calcium arsenite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
13765190	Calcium chromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
592018	Calcium cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
133-06-2	Captan [1H-Isoindole-1, 3(2H)- dione, 3a, 4,7, 7a-tetrahydro-2- [(trichloromethyl)thio]-]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-15-0	Carbon disulfide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1563662	Carbofuran	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56-23-5	Carbon tetrachloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
57-74-9	Chlordane [4, 7-Methanoindan, 1, 2, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro-]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

7782-50-5	Chlorine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
59-50-7	4-Chloro 3-methyl phenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
	p-Chloro-m-cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-90-7	Chlorobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-00-3	Chloroethane (Ethyl chloride)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
67-66-3	Chloroform	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-87-3	Chloromethane (Methyl chloride)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-57-8	2-Chlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-48-9	4-Chlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75729	Chlorotrifluoromethane	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1066304	Chromic acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
11115745	Chromic acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10101538	Chromic sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-47-3	Chromium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1308-14-1	Chromium (Tri)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10049055	Chromous chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789437	Cobaltous bromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
544183	Cobaltous formate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14017415	Cobaltous sulfamate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-50-8	Copper	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-39-4	m-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
9548-7	o-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-44-5	p-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
4170303	Crotonaldehyde	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1319-77-3	Cresol (mixed isomers)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
142712	Cupric acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
12002038	Cupric acetoarsentie	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7447394	Cupric chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
3251238	Cupric nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
5893663	Cupric oxalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7758987	Cupric sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10380297	Cupric sulfate, ammoniated	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
815827	Cupric tartrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
57-12-5	Cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
506774	Cyanogen chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (D - L)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>
333415	Diazinon	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
94-75-7	2, 4-D [Acetic acid, (2, 4-dichlorophenoxy)-]	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
226368	Dibenz(a,h)acridine	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
224420	Dibenz(a,j)acridene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
5385751	Dibenzo(a,e)fluoranthene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
192654	Dibenzo(a,e)pyrene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
53703	Dibenzo(a,h)anthracene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
189640	Dibenzo(a,l)pyrene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
191300	Dibenzo(a,h)pyrene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
194592	7, H-Dibenzo(c,g)carbazole	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
106-93-4	1,2-Dibromoethane (Ethylene diadromide)	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
84-74-2	Dibutyl phthalate	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
1929733	2,4 D Butoxyethyl ester	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
94804	2,4 D Butyl ester	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
2971382	2,4 D Chlorocrotyl ester	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
1918009	Dicamba	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
95-50-1	1,2-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
541-73-1	1,3-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
106-46-7	1,4-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
91-94-1	3,3'-Dichlorobenzidine	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
75-27-4	Dichlorobromomethane	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
75434	Dichlorofluoromethane	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
540-59-0	1,2-Dichloroethylene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
120-83-2	2,4-Dichlorophenol	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
78-87-5	1,2-Dichloropropane	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
10061026	trans-1,3-Dichloropropene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
542-75-6	1,3-Dichloropropylene	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)-]	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
177-81-7	Di-(2-ethylhexyl) phthalate (DEHP)	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No

84-66-2	Diethyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
124403	Dimethylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
57976	7,12-Dimethylbenz(a)anthracene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
105-67-9	2,4-Dimethylphenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
131-11-3	Dimethyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
534-52-1	4,6-Dinitro- <u>o</u> -cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
51-28-5	2,4-Dinitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
121-14-2	2,4-Dinitrotoluene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
606-20-2	2,6-Dinitrotoluene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
117-84-0	<u>n</u> -Dioctyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
122-66-7	1,2-Diphenylhydrazine (Hydrazibenzene)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
94111	2,4-D Isopropyl ester	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-89-8	Epichlorohydrin	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1320189	2,4-D Propylene glycol butyl ether ester	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
330541	Diuron	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-41-4	Ethylbenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106934	Ethylene dibromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
50-00-0	Formaldehyde	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
76-448	Heptachlor [1, 4, 5, 6, 7, 8, 8-Heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methano-1H-indene]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
118-74-1	Hexachlorobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
319846	alpha-Hexachlorocyclohexane	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
87-68-3	Hexachloro-1, 3-butadiene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
77-47-4	Hexachlorocyclopentadiene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
67-72-1	Hexachloroethane	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7647-01-0	Hydrochloric acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-90-8	Hydrogen cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-39-3	Hydrogen fluoride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
193395	Indeno [1, 2, 3,-cd]pyrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7439-92-1	Lead	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
301042	Lead acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784409	Lead arsenate1	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7645252	Lead arsenate2	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10102484	Lead arsenate3	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7758954	Lead chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
13814965	Lead fluoborate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

7783462	Lead fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10101630	Lead iodide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10099748	Lead nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
742848	Lead stearate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1072351	Lead stearate1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
52652592	Lead stearate2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7446142	Lead sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1314870	Lead sulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
592870	Lead thiocyanate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
58-89-9	Lindane [Cyclohexane, 1, 2, 3, 4, 5, 6-hexachloro-(1.alpha.,3.beta., 4.alpha., 5.alpha., 6.beta.)-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
14307258	Lithium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (M - S)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
121755	Malathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-31-6	Maleic anhydride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
592041	Mercuric cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10045940	Mercuric nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783359	Mercuric sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
592858	Mercuric thiocyanate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782867	Mercurous nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7439-97-6	Mercury	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
72-43-5	Methoxychlor [Benzene, 1,1'-(2, 2, 2-trichloroethylidene) bis [4-methoxy-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
80-62-6	Methyl methacrylate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
5865	2-Methylacetonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3697243	5-Methylchrysene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
298000	Methyl parathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7786347	Mevinphos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
300765	Naled	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
91-20-3	Naphthalene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-02-0	Nickel	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
15699180	Nickel ammonium sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
37211055	Nickel chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

7718549	Nickel chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
12054487	Nickel hydroxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14216752	Nickel nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7786814	Nickel sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7697-37-2	Nitric acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
98-95-3	Nitrobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
88-75-5	2-Nitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-02-7	4-Nitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
5522430	1-Nitropyrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
62-75-9	<u>N</u> -Nitrosodimethylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
86-30-6	<u>N</u> -Nitrosodiphenylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
621-64-7	<u>N</u> -Nitrosodi- <u>n</u> -propylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56-38-2	Parathion [Phosphorothioic acid, O, O-diethyl-O-(4-nitrophenyl) ester]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
87-86-5	Pentachlorophenol (PCP)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
85018	Phenanthrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-95-2	Phenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-38-2	Phosphoric acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7723-14-0	Phosphorus (yellow or white)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1336-36-3	Polychlorinated biphenyls (PCBs)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
778410	Potassium arsenate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10124502	Potassium arsenite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7778509	Potassium bichromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789006	Potassium chromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
151508	Potassium cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
2312358	Propargite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-56-9	Propylene oxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
91-22-5	Quinoline	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782-49-2	Selenium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7446084	Selenium oxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-22-4	Silver	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7761888	Silver nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7631892	Sodium arsenate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784465	Sodium arsenite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10588019	Sodium bichromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7775113	Sodium chromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

143339	Sodium cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7632000	Sodium nitrite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10102188	Sodium selenite1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782823	Sodium selenite2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789062	Strontium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
NA	Strychnine & salts	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-42-5	Styrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-93-9	Sulfuric acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (T - Z)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
79-34-5	1, 1, 2, 2-Tetrachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
127-18-4	Tetrachloroethylene (Perchloroethylene)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
935-95-5	2, 3, 5, 6-Tetrachlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
78002	Tetraethyl lead	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-28-0	Thallium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10031591	Thallium sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-88-3	Toluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
8001-35-2	Toxaphene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
52-68-6	Trichlorfon [Phosphonic acid, (2, 2, 2-trichloro-1-hydroxyethyl)-dimethylester]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
120-82-1	1, 2, 4-Trichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
71-55-6	1, 1, 1-Trichloroethane (Methyl chloroform)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
79-00-5	1, 1, 2-Trichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
79-01-6	Trichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-95-4	2, 4, 5-Trichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
88-06-2	2, 4, 6-Trichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
121448	Triethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-62-2	Vanadium (fume or dust)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-05-4	Vinyl acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

75-01-4	Vinyl chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-35-4	Vinylidene chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-38-3	<u>m</u> -Xylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-47-6	<u>o</u> -Xylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-42-3	<u>p</u> -Xylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1330-20-7	Xylene (mixed isomers)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-66-6	Zinc (fume or dust)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
557346	Zinc acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
14639975	Zinc ammonium chloride1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
14639986	Zinc ammonium chloride2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
52628258	Zinc ammonium chloride3	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1332076	Zinc borate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7699458	Zinc bromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3486359	Zinc carbonate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7646857	Zinc chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
557211	Zinc cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783495	Zinc fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
557415	Zinc formate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7779864	Zinc hydrosulfite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7779886	Zinc nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
127822	Zinc phenolsulfonate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1314847	Zinc phosphide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
16871719	Zinc silicofluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7733020	Zinc sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 10: Receiving Stream Information

10. Receiving Streams to Major River (e.g., unnamed tributary of Little Creek of Large Creek of Kanawha River; if discharge is not directly into a stream, report nearest stream to any storm water discharge)*:

Name of Immediate Receiving Stream Unnamed Tributary of

tributary of tributary of

Elk Branch tributary of Elk Run tributary of
 Major Basin: Potomac River Drains

For each outlet, list the latitude and longitude to the nearest second and the River mile Point (if known). Refer to instructions Document.

Outlet Number: 002

Latitude: 39 21 22

Longitude: 77 52 12 Interactive Mapper

UTM Zone: [dropdown]

UTM Northing: [input]

UTM Easting: [input]

River Mile Point: [input]

Geo Spatial Method: GPS/GNSS

Datum: NAD83

Actual Average Flow: 2717.08 GPD (Gallons Per Day)

Section 18A: Waste Characteristics

18. Is this application for a **NEW FACILITY** or for facilities that significant changes have been made?
 Yes No

Waste Characteristics: For each storm water outlet, samples must be taken for the following parameters and the results submitted with this registration form:

A. Pollutant analyses required for outlets at all sites:
 Is Attached: Yes No

Oil & Grease	NA	TSS	NA
pH	NA	TKN	NA
BOD-5	NA	Nitrate plus nitrite	NA
COD	NA	Total Phosphorous	NA

Section 18B: Toxic Pollutants (Table No. 2)

Toxic Pollutants required to be identified by applicant if expected to be present

If no pollutant is believed present, in this list: All not present

Toxic Pollutants and Total Phenols

	RESULTS	PRESENT
Total Antimony	[input]	<input type="radio"/> Yes <input type="radio"/> No
Total Arsenic	[input]	<input type="radio"/> Yes <input type="radio"/> No
Total Beryllium	[input]	<input type="radio"/> Yes <input type="radio"/> No

Total Cadmium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Chromium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Copper	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Lead	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Mercury	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Nickel	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Selenium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Silver	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Thallium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Zinc	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Total Phenols	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

GC/MS Fraction Volatile Compounds

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT	
Acrolein	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Acrylonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bromoform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Tetrachloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorobromomethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chloromethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-ChloromethylVinyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chloroform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlorobromomethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1,1-Dichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1,2-Dichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1,1-Dichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1,3-Dichloropropylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylbenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Bromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methylene Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

1.1.2.2-Tetrachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Tetrachloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Toluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.2-Trans-Dichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1.1-Trichloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.1.2-Trichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trichloroethylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1.2 Dichloropropane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Acid Compounds

If no pollutant is believed present, in this list: All not present

	RESULTS	PRESENT	
2-Chlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2.4-Dichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4.6- Dinitro-O-Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2.4-Dinitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-Dimethylphenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-Nitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Nitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
p-Chloro-M-Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pentachlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2.4.6-Trichlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Base/Neutral

If no pollutant is believed present, in this list: All not present

Acenaphthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Acenaphthylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzidine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Diphenylhydrazine (as Azobenzene)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(a)anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Benzo(a)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3, 4-Benzofluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(k)fluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzo(ghi)perylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(Bischloroethyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroisopropyl)ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-chloroethoxy)methane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Bis(2-ethylhexyl)phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Bromophenyl Phenyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butylbenzyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-Dinitrophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4-Chlorophenyl Phenyl Ether	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2-Chloronaphthalene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chrysene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dibenzo(a,h)anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 3-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 4-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3,3-Dichlorobenzidine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Butyl Phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Di-N-Octylphthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2, 4-Dinitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2, 6-Dinitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fluorene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachlorobutadiene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Hexachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Indeno(1.2.3cd)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isophorone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Napthalene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

N-Nitrosodimethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodi-N-Propylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
N-Nitrosodiphenylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenanthrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1, 2, 4-Trichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Pesticides

If no pollutant is believed present, in this list: All not present

Aldrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Gamma-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Delta-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorodane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDT	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDE	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
4,4-DDO	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dieldrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Alpha-Endosulfan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Beta-Endosulfan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endosulfan Sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Beta-BHC	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Endrin Aldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Heptachlor Epoxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1242	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1254	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

PCB-1221	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1232	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1248	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1260	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
PCB-1016	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Toxaphene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Hazardous Substances (Table No. 3)

<u>Toxic Pollutant</u>			
If no pollutant is believed present, in this list:		<input checked="" type="checkbox"/> All not present	
Asbestos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

<u>Hazardous Substances</u>			
If no pollutant is believed present, in this list:		<input checked="" type="checkbox"/> All not present	
Acetaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Alcohol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Allyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Amyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Aniline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Benzyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Butylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Captan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbaryl	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbofuran	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Carbon Disulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chloropyrifos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Coumaphos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Cresol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Crotonaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Cyclohexane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,4-D (2,4-Dichlorophenoxyacetic acid)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Diazinon	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dicamba	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlobenil	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2,2-Dichloropropionic acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dichlorves	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dimethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Dinitrobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diquat	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Disulfoton	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Diuron	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Epichlorohydrin	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylene Diamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Ethylene Dibromine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Formaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Furfural	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Guthion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isoprene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Isopropanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Kelthane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Kepone	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Malathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mercaptodimethur	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methoxchlor	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Mercaptan	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methyl Methacrylate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Methy Parathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mevinphos	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Mexacarbate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Monoethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Monomethyl Amine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Naled	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Napthenic Acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrotoluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Parathion	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phenolsulfonate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Phosgene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Propargite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Propylene Oxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Pyrethrins	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Quinoline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Resorcinol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Strontium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Strychnine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Styrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
TDE (Tetrachlorodiphenyl ethane)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2.4.5-TP (2.4.5-Trichlorophenoxy acetic acid)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trichlorofon	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Triethanolamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Triethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Trimethylamine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Uranium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vanadium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Vinyl Acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Xylene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Xylenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Zirconium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Conventional and Nonconventional Pollutants (Table No.4)

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED BY EXISTING DISCHARGER IF EXPECTED TO BE PRESENT			
If no pollutant is believed present, in this list:		<input checked="" type="checkbox"/> All not present	
	RESULTS	PRESENT	
Bromide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Chlorine, Total Residual	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Color	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Fecal Coliform	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrate-Nitrite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Nitrogen, Total Kjeldahl	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Oil and Grease	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Sulfite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Surfactant	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Aluminum, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Barium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Boron, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Cobalt, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Iron, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Manganese, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Molybdenum, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Magnesium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Tin, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
Titanium, Total	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (A - C)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present	
<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
75-07-0	Acetaldehyde	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-02-8	Acrolein	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-13-1	Acrylonitrile	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
309-00-2	Aldrin [1, 4:5, 8-Dimethanonaphthalene, 1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a hexahydro - (1.alpha., 4.alpha., 4a.beta., 5.alpha., 8.alpha., 8a.beta.)-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
107-05-1	Allyl Chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7429-90-5	Aluminum (fume or dust)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-41-7	Ammonia	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
62-53-3	Aniline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
120-12-7	Anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-36-0	Antimony	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7647189	Antimony pentachloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

28300745	Antimony potassium tartrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789619	Antimony tribromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10025919	Antimony trichloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783564	Antimony trifluoride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1309644	Antimony trioxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-38-2	Arsenic	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303328	Arsenic disulfide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303282	Arsenic pentoxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784341	Arsenic trichloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1327533	Arsenic trioxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1303339	Arsenic trisulfide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1332-21-4	Asbestos (friable)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
542621	Barium cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
71-43-2	Benzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
92-87-5	Benzidine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100470	Benzonitrile	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
218019	Benzo(a)phenanthrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
50328	Benzo(a)pyrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
205992	Benzo(b)fluoranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
205823	Benzo(j)fluoranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
207089	Benzo(k)fluoranthene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
189559	Benzo(rst)pentaphene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56553	Benzo(a)anthracene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-44-7	Benzyl chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-41-7	Beryllium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787475	Beryllium chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787497	Beryllium fluoride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7787555	Beryllium nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
111-44-4	Bis(2-chloroethyl) ether	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-25-2	Bromoform	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-83-9	Bromomethane (Methyl bromide)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
85-68-7	Butyl benzyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-43-9	Cadmium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
543908	Cadmium acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789426	Cadmium bromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

10108642	Cadmium chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7778441	Calcium arsenate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
52740166	Calcium arsenite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
13765190	Calcium chromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
592018	Calcium cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
133-06-2	Captan [1H-Isoindole-1, 3(2H)-dione, 3a, 4,7, 7a-tetrahydro-2- [(trichloromethyl)thio]-]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-15-0	Carbon disulfide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1563662	Carbofuran	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56-23-5	Carbon tetrachloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
57-74-9	Chlordane [4, 7-Methanoindan, 1, 2, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro-]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782-50-5	Chlorine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
59-50-7	4-Chloro 3-methyl phenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
	p-Chloro-m-cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-90-7	Chlorobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-00-3	Chloroethane (Ethyl chloride)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
67-86-3	Chloroform	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-87-3	Chloromethane (Methyl chloride)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-57-8	2-Chlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-48-9	4-Chlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75729	Chlorotrifluoromethane	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1066304	Chromic acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
11115745	Chromic acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10101538	Chromic sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-47-3	Chromium	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1308-14-1	Chromium (Tri)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10049055	Chromous chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789437	Cobaltous bromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
544183	Cobaltous formate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14017415	Cobaltous sulfamate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-50-8	Copper	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-39-4	m-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
9548-7	p-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-44-5	p-Cresol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
4170303	Crotonaldehyde	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

1319-77-3	Cresol (mixed isomers)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
142712	Cupric acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
12002038	Cupric acetoarsentie	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7447394	Cupric chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
3251238	Cupric nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
5893663	Cupric oxalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7758987	Cupric sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10380297	Cupric sulfate, ammoniated	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
815827	Cupric tartrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
57-12-5	Cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
506774	Cyanogen chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (D - L)

If no pollutant is believed present, in this list: All not present

<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
333415	Diazinon	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
94-75-7	2, 4-D [Acetic acid, (2, 4-dichlorophenoxy)-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
226368	Dibenz(a,h)acridine	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
224420	Dibenz(a,j)acridene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
5385751	Dibenzo(a,e)fluoranthene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
192654	Dibenzo(a,e)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
53703	Dibenzo(a,h)anthracene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
189640	Dibenzo(a,l)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
191300	Dibenzo(a,h)pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
194592	7, H-Dibenzo(c,g)carbazole	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-93-4	1,2-Dibromoethane (Ethylene diadromide)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
84-74-2	Dibutyl phthalate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1929733	2,4 D Butoxyethyl ester	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
94804	2,4 D Butyl ester	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2971382	2,4 D Chlorocrotyl ester	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1918009	Dicamba	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-50-1	1,2-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
541-73-1	1,3-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-46-7	1,4-Dichlorobenzene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
91-94-1	3,3'-Dichlorobenzidine		Yes	No

		<input type="checkbox"/>	<input type="checkbox"/>
75-27-4	Dichlorobromomethane	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
75434	Dichlorofluoromethane	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
540-59-0	1,2-Dichloroethylene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
120-83-2	2,4-Dichlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
78-87-5	1,2-Dichloropropane	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
10061026	trans-1,3-Dichloropropene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
542-75-6	1,3-Dichloropropylene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)-]	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
177-81-7	Di-(2-ethylhexyl) phthalate (DEHP)	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
84-66-2	Diethyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
124403	Dimethylamine	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
57976	7,12-Dimethylbenz(a)anthracene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
105-67-9	2,4-Dimethylphenol	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
131-11-3	Dimethyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
534-52-1	4,6-Dinitro-p-cresol	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
51-28-5	2,4-Dinitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
121-14-2	2,4-Dinitrotoluene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
606-20-2	2,6-Dinitrotoluene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
117-84-0	n-Dioctyl phthalate	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
122-66-7	1,2-Diphenylhydrazine (Hydrazibenzene)	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
94111	2,4-D Isopropyl ester	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
106-89-8	Epichlorohydrin	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
1320189	2,4-D Propylene glycol butyl ether ester	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
330541	Diuron	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
100-41-4	Ethylbenzene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
106934	Ethylene dibromide	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
50-00-0	Formaldehyde	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
76-448	Heptachlor [1, 4, 5, 6, 7, 8, 8-Heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methano-1H-indene]	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
118-74-1	Hexachlorobenzene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
319846	alpha-Hexachlorocyclohexane	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No
87-68-3	Hexachloro-1, 3-butadiene	<input type="checkbox"/>	<input type="radio"/> Yes <input type="radio"/> No

77-47-4	Hexachlorocyclopentadiene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
67-72-1	Hexachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7647-01-0	Hydrochloric acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
74-90-8	Hydrogen cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-39-3	Hydrogen fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
193395	Indeno [1, 2, 3,-cd]pyrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7439-92-1	Lead	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
301042	Lead acetate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784409	Lead arsenate1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7645252	Lead arsenate2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10102484	Lead arsenate3	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7758954	Lead chloride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
13814965	Lead fluoborate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783462	Lead fluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10101630	Lead iodide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10099748	Lead nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
742848	Lead stearate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1072351	Lead stearate1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
52652592	Lead stearate2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7446142	Lead sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1314870	Lead sulfide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
592870	Lead thiocyanate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
58-89-9	Lindane [Cyclohexane, 1, 2, 3, 4, 5, 6-hexachloro-(1.alpha.,3.beta., 4.alpha., 5.alpha., 6.beta.)-]	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
14307258	Lithium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (M - S)

If no pollutant is believed present, in this list:			<input checked="" type="checkbox"/> All not present
CAS Number	Common Name	Result	Present
121755	Malathion	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
108-31-6	Maleic anhydride	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
592041	Mercuric cyanide	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
10045940	Mercuric nitrate	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
7783359	Mercuric sulfate	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
592858	Mercuric thiocyanate	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No

7782867	Mercurous nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7439-97-6	Mercury	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
72-43-5	Methoxychlor [Benzene, 1,1'-(2, 2, 2-trichloroethylidene) bis [4-methoxy-]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
80-62-6	Methyl methacrylate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
5865	2-Methylacetonitrile	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
3697243	5-Methylchrysene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
298000	Methyl parathion	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7786347	Mevinphos	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
300765	Naled	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
91-20-3	Naphthalene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-02-0	Nickel	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
15699180	Nickel ammonium sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
37211055	Nickel chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7718549	Nickel chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
12054487	Nickel hydroxide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14216752	Nickel nitrate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7786814	Nickel sulfate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7697-37-2	Nitric acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
98-95-3	Nitrobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
88-75-5	2-Nitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-02-7	4-Nitrophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
5522430	1-Nitropyrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
62-75-9	<u>N</u> -Nitrosodimethylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
86-30-6	<u>N</u> -Nitrosodiphenylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
621-64-7	<u>N</u> -Nitrosodi- <u>n</u> -propylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
56-38-2	Parathion [Phosphorothioic acid, O, O-diethyl-O-(4-nitrophenyl) ester]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
87-86-5	Pentachlorophenol (PCP)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
85018	Phenanthrene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-95-2	Phenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-38-2	Phosphoric acid	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7723-14-0	Phosphorus (yellow or white)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1336-36-3	Polychlorinated biphenyls (PCBs)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
778410	Potassium arsenate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
10124502	Potassium arsenite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7778509	Potassium bichromate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

7789006	Potassium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
151508	Potassium cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
2312358	Propargite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-56-9	Propylene oxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
91-22-5	Quinoline	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782-49-2	Selenium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7446084	Selenium oxide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-22-4	Silver	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7761888	Silver nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7631892	Sodium arsenate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7784465	Sodium arsenite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10588019	Sodium bichromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7775113	Sodium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
143339	Sodium cyanide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7632000	Sodium nitrite	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10102188	Sodium selenite1	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7782823	Sodium selenite2	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7789062	Strontium chromate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
NA	Strychnine & salts	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
100-42-5	Styrene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7664-93-9	Sulfuric acid	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Section 18B: Section 313 Water Priority Chemicals (Table No. 5) (T - Z)

If no pollutant is believed present, in this list: All not present


<u>CAS Number</u>	<u>Common Name</u>	<u>Result</u>	<u>Present</u>	
79-34-5	1, 1, 2, 2-Tetrachloroethane	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
127-18-4	Tetrachloroethylene (Perchloroethylene)	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
935-95-5	2, 3, 5, 6-Tetrachlorophenol	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
78002	Tetraethyl lead	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-28-0	Thallium	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
10031591	Thallium sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-88-3	Toluene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
8001-35-2	Toxaphene	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

52-68-6	Trichlorfon [Phosphonic acid, (2, 2, 2-trichloro-1-hydroxyethyl)-dimethylester]	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
120-82-1	1, 2, 4-Trichlorobenzene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
71-55-6	1, 1, 1-Trichloroethane (Methyl chloroform)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
79-00-5	1, 1, 2-Trichloroethane	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
79-01-6	Trichloroethylene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-95-4	2, 4, 5-Trichlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
88-06-2	2, 4, 6-Trichlorophenol	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
121448	Triethylamine	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-62-2	Vanadium (fume or dust)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-05-4	Vinyl acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-01-4	Vinyl chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
75-35-4	Vinylidene chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
108-38-3	<u>m</u> -Xylene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
95-47-6	<u>o</u> -Xylene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
106-42-3	<u>p</u> -Xylene	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1330-20-7	Xylene (mixed isomers)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7440-66-6	Zinc (fume or dust)	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
557346	Zinc acetate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14639975	Zinc ammonium chloride1	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
14639986	Zinc ammonium chloride2	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
52628258	Zinc ammonium chloride3	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
1332076	Zinc borate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7699458	Zinc bromide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
3486359	Zinc carbonate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7646857	Zinc chloride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
557211	Zinc cyanide	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7783495	Zinc fluoride	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
557415	Zinc formate	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No
7779864	Zinc hydrosulfite	<input type="checkbox"/>	<input type="radio"/> Yes	<input type="radio"/> No

7779886	Zinc nitrate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
127822	Zinc phenolsulfonate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
1314847	Zinc phosphide	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
16871719	Zinc silicofluoride	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No
7733020	Zinc sulfate	<input type="text"/>	<input type="radio"/> Yes	<input type="radio"/> No

Sections 11 - 13: Standard Industrial Classification (SIC), Nature of Business, Existing Permits

11. List the Standard Industrial Classification (SIC) Code designated for your facility:
 Plastics products, not elsewhere classified

12. List any existing WV/NPDES Permits previously issued by the Division of Water and Waste Management:
 Number:
 Date: 
 If you have none check this box:

13. Nature of Business (provide brief description):



^
v

Sections 15 - 17: Topographic Map, Sketch of Treatment System, Runoff Characteristics


15. Attach to this application a topographic map of the area. The map must mark the location of the facility, location of all wells, sinkholes, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the facility.

16. Attach to this application a sketch of the facility showing the location of any treatment system for storm water, each location of outlets carrying storm water, and the site and runoff characteristics of each drainage area carrying runoff in square feet.

Runoff Characteristics - Determination of Areas:

		Sketches
		Determination of Area
A.	Paved, roofed or other impervious areas	<input type="text" value="104630"/> Square Feet
B.	Graveled or stoned areas	<input type="text" value="4578"/> Square Feet
C.	Exposed or barren ground	<input type="text" value="0"/> Square Feet
D.	Vegetated areas	<input type="text" value="57707"/> Square Feet
	Total	<input type="text" value="166915"/> Square Feet

17. Average Annual Rainfall (in inches) for your precipitation zone

Zone 4 - Eastern Panhandle - 37.0 inches/year <input type="button" value="v"/>	 Precipitation Zones
Average Runoff in Gallons per Day	<input type="text" value="6515"/>

For attached SHP files, please select from below:

Datum: Projection:

Section 19: Storm Water pollution Prevention Plan (SWPPP)

19. ALL NEW FACILITIES APPLYING FOR GENERAL STORM WATER PERMIT COVERAGE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP)/ GROUND WATER PROTECTION PLAN (GPP), IS REQUIRED, SIGNED WITH A CERTIFICATION EXACTLY LIKE THAT AT THE END OF THIS APPLICATION FORM. All other facilities should already have a SWPPP/GPP in place.

PLEASE NOTE: All facilities applying for multi-sector general storm water permit coverage **MUST** submit a Stormwater Pollution Prevention Plan (SWPPP) and a Groundwater Protection Plan (GPP) for the facility. Each plan or a combined plan must be certified (See Item No. 23 for certification language) by the designated signatory authority of the facility.

Has your facility developed a Storm Water pollution Prevention Plan (SWPPP) /Ground Water Protection Plan (GPP), and is a copy of the plan(s) retained on site? YES NO

If YES, attach the plan(s) to the permit application. If the plans have not been revised / updated within the last five years please revise and update plan(s) prior to submittal.

If NO, permit coverage cannot be granted until a SWPPP/GPP for the site is submitted and approved.

19a. Has the facility at any time been required to maintain a Spill Prevention Control and Countermeasures Plan (SPCC) per 40 CFR 112.8-12 or a Facility Response Plan (FRP) per 40 CFR 122.2? If so please attach the SPCC Plan or FRP for review. YES NO

Section 21: Pond on the Facility

21. If there is a pond on your facility, please determine whether or not it collects storm water from areas on which industrial activities occur. If no, mark no for Parts A and B. If yes, mark yes for A or B depending on the type of pond and enter the total acres drained by the pond. Please indicate if there are any oil / water separators at your facility. If so, please list which outlets have an oil / water separator.

A. Is there a wet pond at your facility? (See instructions for definition)

YES NO Acres Drained:

B. Is there a dry pond at your facility? (See instructions for definition)

YES NO Acres Drained:

C. Do any of your storm water outlets discharge through an oil water separator?


YES NO Acres Drained: Outlet:

Section 22: Tank(s) Information


22. A. List the total number of chemical, fuel and lubricant storage tanks including raw material, product, intermediate, and waste storage tanks located at your facility that store at least 1,320 gallons.

B. List the maximum size of each tank and what materials are stored in EACH tank. Also for each tank please include the date the tank's integrity was last tested and whether the tank has ever had an observed release. If a release has occurred please attach the release report and describe what repairs

to the tank have been made to prevent future releases. Use additional pages as necessary. If this information is already included in an Above Storage Tank (AST) registration program or permitting program there is no need to supply this information.

Tank ID/Number	<input type="text" value="NA"/>
Size of Tank	<input type="text" value="NA"/>
Material stored in Tank	<input type="text" value="NA"/>
Date tank integrity last tested	<input type="text" value="NA"/> 
Observed Release	<input type="radio"/> Yes <input checked="" type="radio"/> No

C. For each tank indicated above list whether secondary containment is provided for the tank, what type of secondary containment type is used (double walled tank, containment wall etc.) and the volume in percent this secondary containment provides for the largest tank within the secondary containment. Also for each tank please include the date the secondary containment's integrity was last tested and whether the containment has ever had an observed release. If a release has occurred please attach the release report and describe what repairs to the secondary containment have been made to prevent future releases. Use additional pages as necessary.


Secondary Containment	<input type="text" value="NA"/>
Size of Secondary Containment	<input type="text" value="NA"/>
Type of Secondary Containment	<input type="text" value="NA"/>
Date Integrity Testing of Secondary Containment	<input type="text" value="NA"/> 
Observed Release	<input type="radio"/> Yes <input checked="" type="radio"/> No

For tanks of 5,000 gallons or more that are not already included in either the facility's SWPPP, GPP or SPCC Plans please indicate spill prevention and control measures that are employed at the facility including procedures for notifying downstream receptors in the case of a release of materials that could potentially migrate off the facility's property. Use additional pages as necessary. If this information is already included in an AST registration program or permitting program there is no need to supply duplicate information.

Section 23: Certification

By completing and submitting this application, I have reviewed, understood and agreed to the terms and conditions of the general permit. I understand that provisions of the permit are enforceable by law. Violations of any term and condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining 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.

23. SIGNATURE of OWNER _____
 Owner Name and/or Authorized Official of Company:
 TITLE:
 DATE: 

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 , 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 , 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:
 Address Line 1:
 Address Line 2:
 Country:
 City:
 State:
 Zip:
 (### ### ####)
 authorized representative area code phone number

 Signature of Authorized Representative

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

 Notary Public

 Commission Expires

POLLUTION PREVENTION PLAN

*TeMa North America, LLC
Jefferson County Operations
Burr Business Park
Jefferson County, West Virginia*

Prepared for:

TeMa North America, LLC
395 Steeley Way
Kearneysville, West Virginia 25430

Prepared by:

Potesta & Associates, Inc.
15 South Braddock Street
Winchester, Virginia 22601
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E-Mail: potesta@potesta.com

Project No. 0103-17-0435

October 2018 – Revised February 4, 2019



POTESTA

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POLLUTION PREVENTION PLAN

*TeMa North America, LLC
Jefferson County Operations
Burr Business Park, Jefferson County, West Virginia*

1.0 INTRODUCTION

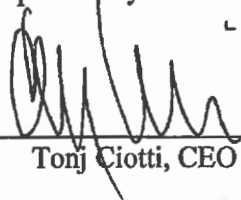
TeMa's Jefferson County Operations is located in the Burr Business Park, Jefferson County, West Virginia. The facility produces insulation and drainage systems for residential, commercial and industrial use. The Standard Industrial Classification (SIC) code for the facility is 3089. The facility is subject to Sector N, *Stormwater Discharges Associated with Industrial Activity from Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries* of the West Virginia/National Pollutant Discharge Elimination System (WV/NPDES) Multi-Sector General Water Pollution Control Permit No. WV0111457. This facility's Registration Number is WVG611874.

This Pollution Prevention Plan (PPP) combines a Storm Water Pollution Prevention Plan and a Groundwater Protection Plan. This PPP has been prepared to comply with the terms and conditions of the Multi-Sector Permit. This Plan is organized in accordance with the information requirements set forth in the Multi-Sector Permit.

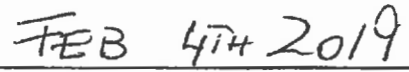
This PPP shall be submitted as part of the facility's initial registration under the Multi-Sector Permit and shall otherwise be made available, upon request, to the Director of the Division of Water and Waste Management or authorized representative.

2.0 CERTIFICATION

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.



Tony Ciotti, CEO



Date

3.0 GENERAL SITE INFORMATION

TeMa's Jefferson County Operations (Charles Town, West Virginia) is owned and operated by TeMa North America, LLC. This facility is a manufacturing facility which produces insulation and drainage systems for residential, commercial, and industrial use.

Facility Name: TeMa North America, LLC
Location: Burr Business Park, Jefferson County, West Virginia.
Mailing Address: 395 Steeley Way, Kearneysville, West Virginia 25430
Contact Person: Mr. Tonj Ciotti CEO – (304) 707-2290
Type of Facility: Manufacturing Facility that produces Insulation and Drainage Systems for Residential, Commercial and Industrial Use.
Primary SIC Code: Primary Activity Code: 3089
Operating Schedule: The facility is in operation eight (8) hours a day, five (5) days per week, Monday thru Friday.
Depth to Groundwater: Unknown.
General Permit Registration No: WVG611874

** See Location Map in Appendix A.*

4.0 SITE HISTORY AND EXISTING WATER CONDITIONS

TeMa North America, LLC currently leases the properties Lots 21A, 21, and 20 at Burr Business Park from the Jefferson County Development Authority for the use of manufacturing insulation and drainage systems for residential, commercial, and industrial use. The adjoining properties surrounding this site to the west, northwest, north, northeast, east, and southeast are unimproved lots inside the Burr Business Park. The adjoining properties to the south and southwest are in the name of Norton Investments, LLC, Zoned (IC) Industrial Commercial.

The site currently is supplied with public water and sanitary sewer services. No wells are used for this operation nor are known to exist on this site. The facility is unaware of historical sampling or data on groundwater at the site.

According to the United States Department of Agriculture's Soil Survey of Jefferson County, West Virginia, the approximately 92.5 percent of the 3.8-acre site's soils are classified as Vertrees Silt Loam (VrB). The entire building structure and all except the far southwest corner of the paved areas are inside this Vertrees Silt Loam soils boundary. The Vertrees Silt Loam soil is characterized as being well drained. The runoff is low and is very rocky clayey residue from weathered limestone. Slopes average between 3 percent to 8 percent. Funkstown Silt Loam

(Fk), makes up the remainder (approximately 7.5 percent) of the site, which is located at the southwest corner of the site. Only a small portion of pavement and gravel area are located within this soils group. The Funkstown Silt Loam soil is moderately to well drained. Slopes average between 0 to 3 percent of loamy alluvium derived from limestone.

5.0 HISTORICAL SPILLS AND LEAKS

The facility is unaware of previous spills or leaks of pollutants at this site.

6.0 REGULATORY REQUIREMENTS

The following is a summary of regulatory requirements to which the facility is subject that may have an impact on groundwater protection.

6.1 WVDEP/DWWM Storm Water Permitting

The facility has applied for coverage under the West Virginia National Pollution Discharge Elimination System Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity. This permit is the primary reason for the creation of this plan and the implementation of Best Management Practices aimed at protecting surface waters and groundwater.

6.2 Treatment System for Sanitary Wastewater

This site currently has no pre-treatment system for sanitary wastewater. The sanitary connection will be to Jefferson County Public Service District. This facility will recycle its process water and will not discharge non-domestic water to Jefferson County Public Service District and therefore, a Non-Domestic (Industrial) Wastewater permit is not required to be permitted through the WVDEP Underground Injection Control (UIC) Program.

6.3 Spill Prevention Control and Countermeasures (SPCC) Plan

This facility does not have petroleum storage aboveground or underground and therefore, is not required to have a SPCC plan. Spill response and reporting for this facility is covered in Section 8.1.8.

7.0 INVENTORY OF OPERATIONS AND POTENTIAL POLLUTANT SOURCES AND POLLUTION PREVENTION PROCEDURES

The following discussion provides:

- 1) A description of potential sources which may be reasonably expected to add significant amounts of pollutants to storm water discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility, with an assessment of the potential risk of storm water contamination.
- 2) A description of significant materials that have been treated, stored or disposed in a manner to allow exposure to storm water between the time of three years prior to the date of the coverage under this permit and the present.
- 3) A narrative inventory of operations that may reasonably be expected to contaminate the groundwater resources with an indication of the potential for soil and groundwater contamination from those operations.
- 4) The method of on-site storage or disposal, materials management practices employed to minimize contact of these materials with storm water runoff, the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff, a description of any treatment the storm water receives, and a description of the procedures designed to protect groundwater.

See Site Map located in Appendix A.

7.1 Loading and Unloading of Dry Bulk Materials or Liquids

Loading and unloading of raw material and finished product will take place at enclosed loading docks that are not exposed to storm water. These loading docks are located on the front and west side of the building. A minimal amount of material may drop onto the paved areas outside of the loading docks, but regular sweeping will minimize the possible stormwater exposure of this material. Stormwater drainage from these loading dock areas will sheet flow over pavement towards the front and west side of the site to a vegetated buffer area and into a grass-lined drainage swale flowing to Outlet 001. The front loading docks also have a trench drain which discharges via storm sewer to Outlet 002. The storm water discharges from the site's outfalls into the Burr Industrial Park's stormwater drainage system.

7.2 Outdoor and Indoor Storage of Raw Materials, Intermediary Products or Products

All raw material will be stored indoors which will not be exposed to stormwater. This facility will not require storage of hydraulic oils, fuels, or process liquids other than standard cleaning detergents for kitchen and bathrooms. All cleaning detergents will be kept indoors, therefore not be exposed to stormwater. The manufacturing floor has one floor drain which discharges to the sanitary sewer and therefore does not discharge to the storm water drainage system. Outdoor storage of finished plastic products, which are wrapped and sealed in plastic wrap, will also be covered to protect the finished products from stormwater. All outdoor storage will occur at this site in the southwest corner within the gravel storage area. Stormwater drainage from this area will sheet flow towards the gravel storage lot to a vegetated buffer area and into a grass-lined drainage swale flowing to Outlet 001. The storm water discharges from the site's outfalls into the Burr Industrial Park's stormwater drainage system.

7.3 Outdoor Process Activities

No outdoor process activities will occur at this facility.

7.4 Dust or Particulate Generating Processes

The majority of the facility's outside travel area where vehicle traffic occurs will be paved, with the exception of the gravel storage lot. Dust or particulates generated from these areas will be minimal. Also, the vegetated areas within the facility will also help minimize the potential for dust or particulate generation.

7.5 Illicit Connections or Management Practices

The facility will not have illicit connections or management practices that could lead to pollution of surface waters or groundwater.

7.6 Waste Disposal Practices

Waste disposal practices at this facility consist of the collection and disposal of wastes collected during good housekeeping activities. Trash receptacles are kept free of liquids and the garbage contained. The trash receptacles are emptied on a routine basis to prevent overflow and kept closed, except when materials are added. Spilled debris is cleaned up on a daily basis.

In accordance with §4.11.6. of 47 CSR 58, no wastes will be used for deicing, fills, or for any other purpose, unless specifically allowed by applicable regulations.

7.7 Areas with the Potential for Soil Erosion

Vehicle and pedestrian traffic will be on paved areas. The vegetated areas will be kept maintained; therefore, no erosion of soil is expected.

7.8 Materials Handling

Materials are handled in accordance with the information provided above.

7.9 Equipment Cleaning

The only equipment required for this operation are material handling equipment and trucks to transport raw material and product, which do not require cleaning or maintenance on site. Spills and leaks will be completely cleaned and properly disposed.

7.10 Construction Activities

Construction on the site is not anticipated. Should construction activities be initiated, Erosion and Sediment Control practices, such as silt fencing, will be employed.

7.11 Maintenance Activities

Anticipated on-site maintenance involves the regular inspection of facility material handling equipment and operating systems. Any facility equipment maintenance will occur within the building and will not be exposed to stormwater. These preventive maintenance activities should reduce the potential for breakdowns and failures.

7.12 Pipelines Carrying Contaminants

There are no pipelines used to convey materials that could contaminant storm water or groundwater.

8.0 STORM WATER MANAGEMENT CONTROLS

Storm water management controls, or best management practices (BMPs), will be implemented to reduce the amount of pollutants in storm water discharged.

8.1 Non-structural BMPs

Non-structural controls are practices that are specifically intended to reduce the potential of pollution reaching surface waters. They are generally implemented to address the problem at the source and do not require structural changes to the facility. The following non-structural controls (8.1.1 through 8.1.9) are implemented at the facility.

8.1.1 Pollution Prevention Committee

The following group of people comprise the facility Pollution Prevention Committee (PPC). These individuals are responsible for pollution prevention activities, including the implementation, revision and maintenance of this plan.

Supervision/Management:	Jerome Matthews III - Facility Manager
Oversight of Plant Operations:	Patrick James - Facility Operator

8.1.2 Employee Training

The PPC is responsible for training employees in the provisions and goals of this plan. This training will stress employee responsibilities regarding storm water pollution prevention and will cover proper spill response and reporting, good housekeeping and maintenance. Training will be conducted on at least an annual basis and will be refreshed as soon as practical if the plan

undergoes substantial revision or in the event of a spill or release incident that indicates the need for additional training. All new employees will be trained within one month of their start date. Training records can be found in Appendix B.

8.1.3 Site and Visual Inspections

8.1.3.1 Weekly Visual Examinations of Outlets

Each Outlet (001 and 002) shall have a weekly visual examination (storm event not required) to ensure that solid debris, such as the facility's raw material (plastic pellets) do not enter into the storm water system thus having a potential to be discharged from the site. Weekly Visual Examination of Outlets reports, found in Appendix K, shall be completed and maintained on-site in this plan. If debris is found, it shall be cleaned from the storm water system and additional BMPs shall be put in-place to remediate the situation.

8.1.3.2 Quarterly Inspections

The PPC is responsible for conducting visual inspections and plan reviews. These inspections are conducted on a quarterly basis and are intended to ensure that the elements and equipment specified in this plan are in place, properly functioning and appropriately managed.

A record of quarterly inspections can be found in Appendix C of this document. These records will be maintained at the site for at least three years.

8.1.3.3 Visual Examinations of Storm Water

During each storm water monitoring period (twice per year) a visual examination of the storm water must be conducted. Samples will be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging from the outlets. The examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. Visual Examination Reports, found in Appendix E, shall be completed and maintained on-site in this plan.

8.1.3.4 Annual Inspections

On an annual basis, a site inspection will be conducted for the purpose of reviewing the plan regarding current operations and conditions. During this inspection, the PPC verifies that the description of potential pollutant sources is accurate, reviews the drainage map to ensure that it reflects current conditions, and verifies that the structural controls described in the plan are intact and properly functioning. The inspection also includes, as necessary, tests of site equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants.

The plan shall be updated to reflect current conditions, if necessary. Records of quarterly, annual, and visual inspections can be found in Appendices C, D, and E, respectively, and will be maintained at the site for at least three years.

In addition to the annual site inspection, WV/NPDES Permit requires daily, weekly, and monthly visual inspections.

8.1.4 Record Keeping and Reporting

TeMa will maintain records of inspections, training, and laboratory results associated with sampling the Order outlets for a minimum of three years. Documentation of any spill or leak will also be maintained for a minimum of three years.

The laboratory results for the required semiannual sampling. The reports of sampling results are to be mailed to the agency headquarters in Charleston, West Virginia, and copies are to be submitted to the local Environmental Enforcement office in Romney, West Virginia.

8.1.5 Risk Identification and Assessment/Material Inventory

Outlet 001 discharges storm water associated with the western half of the building and site. This area of the site will include truck loading and unloading traffic and material storage. Potential storm water pollutants associated with this area are floatable plastic pellets and zinc.

Outlet 002 discharges storm water associated with the eastern half of the building and site. This area of the site will include some truck loading and unloading traffic, staff and customer parking. Potential storm water pollutants associated with this area are floatable plastic pellets and zinc.

8.1.6 Preventive Maintenance Activities

Maintenance of the facility is performed to avoid and prevent releases to the environment. The preventative maintenance program is associated with the visual inspections discussed in Section 8.1.9. During these inspections, pollution control structures are examined for signs of wear or deterioration. Additionally, should a pollution prevention control structure fail, the cause of the failure will be determined and included as an area of special concern during routine inspections.

As a follow-up to the visual inspections, items that are identified as in need of maintenance or repair are brought to the attention of appropriate personnel. The action(s) taken and the date(s) of completion of repair or maintenance are documented. Forms used to document preventative maintenance activities can be found in Appendix F.

8.1.7 Housekeeping

Good housekeeping requires the maintenance of a clean, orderly facility. Good housekeeping procedures conducted at this site include the appropriate disposal of wastes, proper material storage, and prompt cleanup of spilled materials.

8.1.8 Spill Prevention and Response Procedures

Spills, leaks or accidental releases of potential storm water or groundwater contaminants will be reported to a member of the PPC as soon as reasonably possible. A record of any significant spill must be maintained for three years following the spill. The spill report form is included as Appendix G.

It will be the responsibility of the PPC to initiate containment and cleanup activities and to determine if the spill incident requires a report to state or federal authorities. Appendix H contains a copy of the West Virginia Emergency Response Spill Alert System for use in complying with Title 47, Series 11, Section 2 of the Legislative Rules as they pertain to the reporting of spills and accidental discharges.

8.1.9 Storm Water Pollution Prevention

If the laboratory results of the semiannual sampling of the outlets indicates Benchmark Values are being exceeded, TeMa will investigate implementing additional BMPs at the affected outlet(s).

8.1.10 Sediment and Erosion Prevention

The vast majority of the site's area will be roofed, paved, or vegetated and are relatively level. Due to the types of surfaces present at the facility, there is little potential for soil erosion to occur.

8.2 Structural BMPs

Structural control measures are in place to prevent storm water from interacting with potential pollutants. These structural control measures include the two perimeter grass drainage swales that flow to each outfall. The following structural controls (8.2.1 through 8.1.3) are in-place.

8.2.1 Engineering and Design

The facility is designed to prevent or minimize the release of potential pollutants to the storm water. These measures include the presence of two perimeter grass drainage swales that flow from behind the building along each side of the building and outfall into the Burr Industrial Park drainage ditches.

8.2.2 Sedimentation Control Measures

The grass swales are lined with grass and have minimal slope to allow pollutants to settle out before discharging from the site.

8.2.3 Maintenance of Structural BMPs

BMPs implemented as a result of this plan must be maintained in proper operating condition. If visual inspections identify inefficient BMPs, corrective measures must be performed as soon as practical in order to ensure the effectiveness of storm water controls.

9.0 STORM WATER DISCHARGES

Storm water runoff discharges through Outlet 001 and Outlet 002. An estimate of the impervious surfaces relative to the total area drained by each outlet is contained in Appendix I.

All outlets are to be sampled on a semiannual basis, in conjunction with a precipitation event that meets the agency definition of being suitable for the collection of samples. The parameters to be analyzed or measured at each outlet are as follows:

TeMa facility has not been registered with the West Virginia/National Pollutant Discharge Elimination System Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity. Therefore, benchmark parameters are not assigned. Sector N of the permit assigns the pollutant of concern as zinc.

10.0 SAMPLING DATA

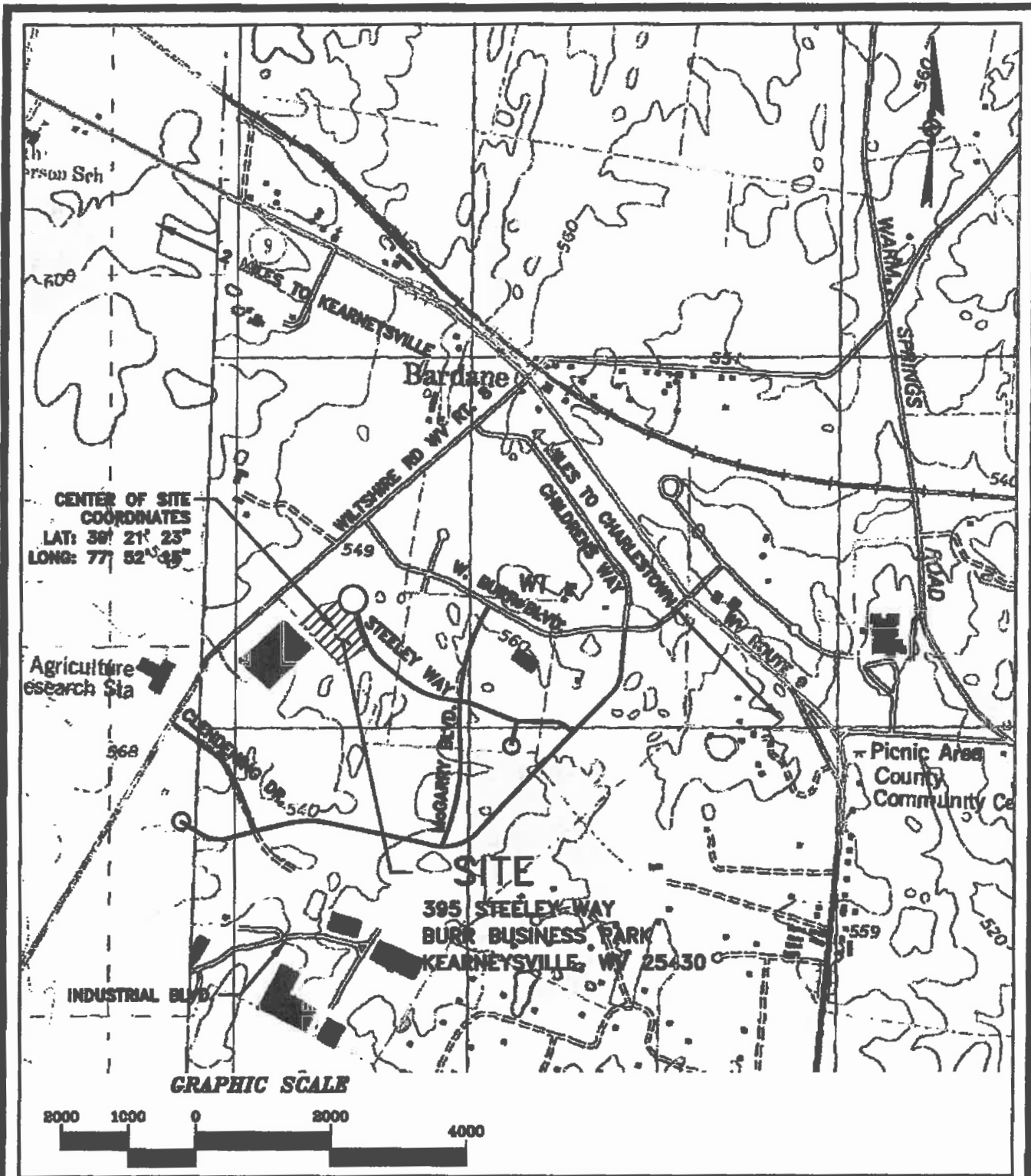
The WV/NPDES Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity for this facility has not been issued; therefore, there are no sampling data available.

11.0 NON-STORM WATER DISCHARGES

The existing discharges from this facility will be observed for the presence of non-storm water discharges. The certification of this observance is contained in Appendix J.

This facility has an air compressor/air dryer condensate discharge pipe at the rear wall of the building that disperses onto the paved travel lane behind the building. This uncontaminated condensate is considered non-stormwater discharge, allowable per section B.2 of the general permit.

APPENDIX

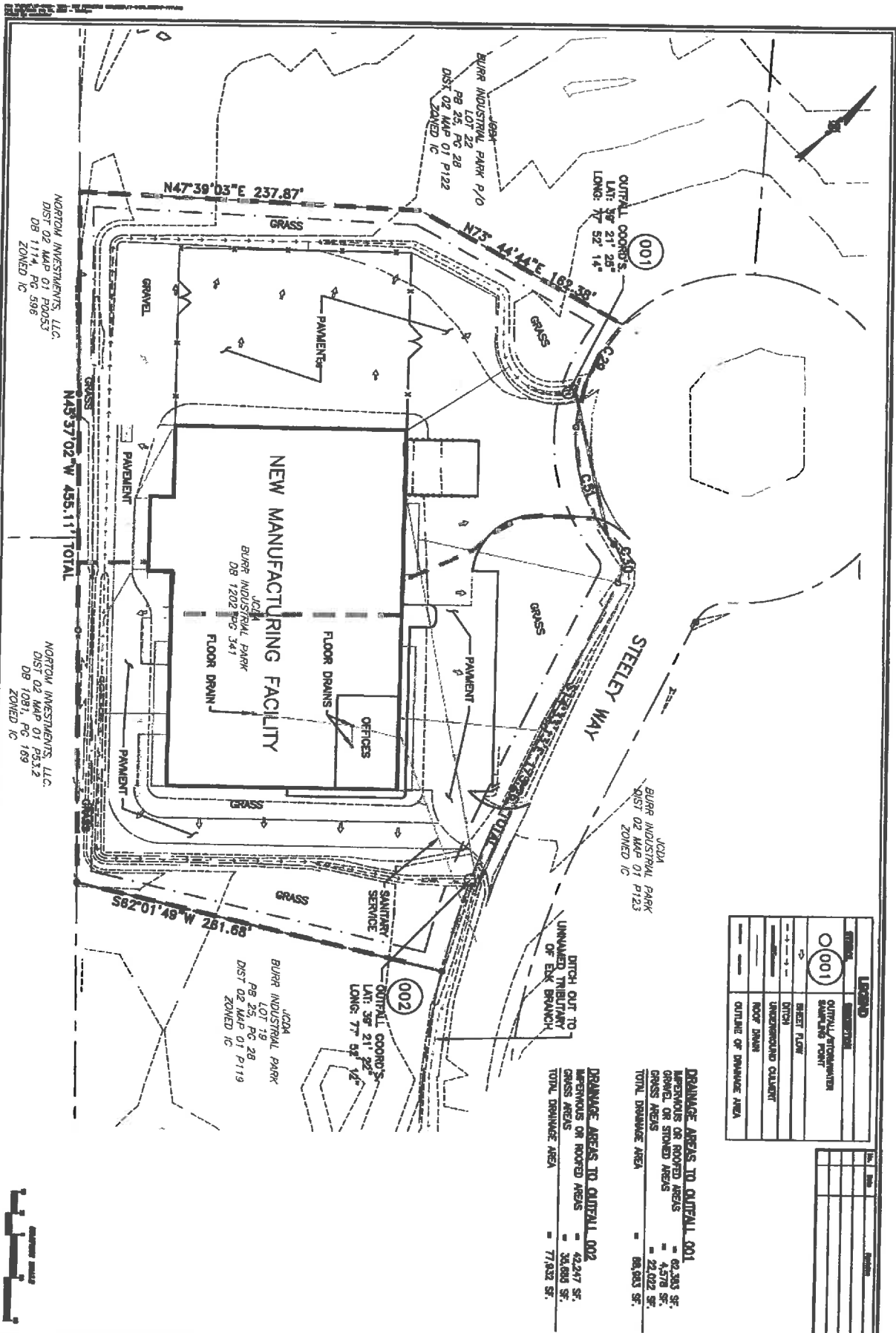


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 IMAGE Files: T:\2017\17-0435-TEMA-ENV PERMITTING SERVICES\17-0435_TOPO-VICINITYMAP.dwg
 Plot Date/Time: Oct 11, 2018 - 10:56am
 Plotted By: cmcsholder

POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS

15 South Braddock St., Winchester, VA. 22801
 TEL: (540) 450-0180 FAX: (540) 450-0182
 E-Mail Address: potesta@potesta.com

Project		STORM WATER PERMIT TOPOGRAPHIC/VICINITY MAP Tella NORTH AMERICA LLC JEFFERSON COUNTY OPERATIONS JEFFERSON COUNTY, WEST VIRGINIA
Scale	1"=2,000'	Dwg. No.
Date	OCTOBER 2018	FIGURE 1



LEGEND	
○ 001	OUTFALL/ATMOSPHERIC SAMPLING POINT
→	PIPE FLOW
---	DITCH
---	UNDERGROUND CULVERT
---	ROOF DRAIN
---	OUTLINE OF DRAINAGE AREA

DRAINAGE AREAS TO OUTFALL 001
 IMPERVIOUS OR ROOFED AREAS = 62,200 SF.
 GRASS AREAS = 4,578 SF.
 TOTAL DRAINAGE AREA = 22,202 SF.
 TOTAL DRAINAGE AREA = 66,803 SF.

DRAINAGE AREAS TO OUTFALL 002
 IMPERVIOUS OR ROOFED AREAS = 42,247 SF.
 GRASS AREAS = 36,693 SF.
 TOTAL DRAINAGE AREA = 77,932 SF.

<p>STONE VENEER FINISH GED MAP TYPICAL FINISH SEE DISTRICT OFFICE FOR MORE INFORMATION</p>	<p>Toll-free NORTH AMERICA, LLC BURR INDUSTRIAL PARK ONE STEELY WAY CHARLOTTEVILLE, WEST VIRGINIA 25800</p>	<p>POTESTA</p>	<p>POTESTA & ASSOCIATES, INC. ENGINEERS AND ARCHITECTS 41 South Boulevard, Charlottesville, VA, 22902 Phone: 800-222-2222 FAX: 800-222-2222 P.O. Box 40000, Charlottesville, VA 22940</p>	<p>DATE: 11/14/03</p>	<p>SCALE: AS SHOWN</p>
				<p>FIGURE 2</p>	<p>PROJECT NO. 03-00053</p>

APPENDIX B

APPENDIX C

QUARTERLY INSPECTION RECORD

		Inspector:	Date:
Yes	No	N/A	Inspection Item
			<i>Engineering controls, including dikes, berms, secondary containment structures, and ditches are in good condition.</i>
			<i>Aboveground Storage Tanks (ASTs) in good condition, no leaks are evident.</i>
			<i>55-gallon drums are clearly labelled, closed when not in use and provided with secondary containment if stored outdoors.</i>
			<i>Sediment ditches and retention structures are free of accumulated sediment.</i>
			<i>Wastes are in proper containers and all facility areas are free of litter.</i>
			<i>There is no evidence of, or observable potential for, pollutants entering the drainage system in materials handling areas.</i>
			<i>Any spills or leaks over the last quarter have been properly cleaned-up.</i>

If you answered "No" to any question, provide an explanation: _____

Description of any other conditions noted: _____

Provide a description of the action(s) taken or planned: _____

APPENDIX

ANNUAL INSPECTION RECORD

Inspector:		Date:
Yes	No	Inspection Item
		<i>The description of the potential pollutant sources accurate.</i>
		<i>The site map reflects current site conditions.</i>
		<i>The controls described in the plan to reduce the potential for pollution of groundwater are being implemented and are adequate.</i>
		<i>Quarterly Inspection reports are current and in the plan.</i>

If you answered "No" to any question, provide an explanation:

Description of any other conditions noted:

Provide a description of the action(s) taken or planned:

APPENDIX E

VISUAL EXAMINATION OF STORM WATER QUALITY

Facility Name: _____		Outlet Number: _____	
Observed by: _____	Nature of Discharge: Runoff Snow Melt (Circle One)		Date/Time: _____
Visual Examination of Sample Properties	Present	Absent	Comments
Color: Hold the sample jar against a sheet of white paper to determine if there is an unusual tint or discoloration present.			
Odor: Does the sample have an unusual odor?			
Clarity: The sample should reasonably clear. If not, describe it as slightly, moderately or extremely turbid.			
Floating Solids: Are solids observed on the surface of the sample? If so, describe.			
Settled Solids: Are solids observed in the bottom of the sample jar? If so, describe.			
Suspended Solids: Are solids observed in the water column of the sample? If so, describe.			
Foam: Is foam present on the surface of the sample? If so, describe.			
Oil Sheen: Is a rainbow-like sheen observed on the surface of the sample?			
Other: Are there any other obvious indicators of storm water pollution? If so, describe.			

If all of the above check boxes are marked "Absent," sign this form and file it in the Pollution Prevention Plan. If the visual examination indicates contamination, contact members of the Pollution Prevention Team to initiate further action, then sign this form and file in the Pollution Prevention Plan.

Signature of Observer: _____ Referred to Pollution Prevention Team? Yes No

If observed, probable source(s) of storm water contamination: _____

APPENDIX

MAINTENANCE/REPAIR RECORD

Action Taken	Reason for Action	Date	Initials

APPENDIX

SPILL REPORT FORM

LIST OF SIGNIFICANT SPILLS AND LEAKS		Completed by:						
		Date:						
Directions: Record below all significant spills and leaks of toxic or hazardous pollutants that occur at the facility.								
Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.								
Date of Spill or Leak	Location (as indicated on site map)	Description				Response Procedure		Prevention Measures Taken
		Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

APPENDIX

**EMERGENCY RESPONSE SPILL ALERT SYSTEM
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

REQUIREMENTS:

Title 47, Series 11, Section 2, of the West Virginia Legislative Rules, Environmental Protection Water Resources – Waste Management, Effective July 1, 1994.

RESPONSIBILITY FOR REPORTING:

Each and every person who may cause or be responsible for any spill or accidental discharge of pollutants into the waters of the State shall give immediate notification to the Division of Water and Waste Management's Emergency Notification number, 1-800-642-3074. Such notification shall set forth insofar as possible and as soon thereafter as practical the time and place of such spill or discharge, the type or types and quantity or quantities of the material or materials therein, action or actions taken to stop such spill or discharge and to minimize the polluting effect thereof, the measure or measures taken or to be taken in order to prevent a recurrence of any such spill or discharge and such additional information as may be requested by the Division of Water and Waste Management. This also applies to spills to the waters of the State resulting from accidents to common carriers by highway, rail and water.

It shall be the responsibility of each industrial establishment or other entity discharging directly to a stream to have available the following information pertaining to those substances that are employed or handled in its operation in sufficiently large amounts as to constitute a hazard in case of an accidental spill or discharge into a public stream:

- 1) Potential toxicity in water to man, animals and aquatic life;
- 2) Details on analytical procedures for the quantitative estimation of such substances in water and
- 3) Suggestions on safeguards or other precautionary measures to nullify the toxic effects of a substance once it has gotten into a stream.

Failure to furnish such information as required by Section 14, Article 11, Chapter 22, Code of West Virginia shall be punishable under Section 24, Article 11, Chapter 22, and/or Section 22, Article 11, Chapter 22 Code of West Virginia.

It shall be the responsibility of any person who causes or contributes in any way to the spill or accidental discharge of any pollutant or pollutants into State waters to immediately take any and all measures necessary to contain such spill or discharge. It shall further be the responsibility of such person to take any and all measures necessary to clean-up, remove and otherwise render such spill or discharge harmless to the waters of the State.

When the Director determines it necessary for the effective containment and abatement of spills and accidental discharges, the Director may require the person or persons responsible for such spill or discharge to monitor affected waters in a manner prescribed by the Director until the possibility of adverse effect on the waters of the State no longer exist.

VOLUNTARY REPORTING BY LAW OFFICERS, U. S. COAST GUARD, LOCK MASTERS AND OTHERS:

In cases involving river and highway accidents where a responsible party may or may not be available to report the incident, law officers, U. S. Coast Guard, Lock Masters and other interested person should make the report.

WHO TO CONTACT:

Notify the following number: **1-800-642-3074**

INFORMATION NEEDED:

- | | |
|--|---------------------------------------|
| - Source of spill or discharge | - Personnel at the scene |
| - Location of incident | - Actions initiated |
| - Time of incident | - Shipper/Manufacturer identification |
| - Material spilled or discharged | - Railcar/Truck identification number |
| - Amount spilled or discharged | - Container type |
| - Toxicity of material spilled or discharged | |

CERTIFICATION OF NON-STORM WATER DISCHARGE TESTING

Methods used to test: The site and the storm water outlet were observed during dry conditions for indications of non-storm water discharges. This involved a walk-through of the site followed by direct observations of the discharge points.

Discharge points that were directly observed during the testing:

Outlet 001 & Outlet 002

Date of test: _____

I hereby certify that the discharge from this facility has been tested for the presence of non-storm discharges in accordance with the aforementioned methods.

Signature of Responsible Official

Date

APPENDIX

OUTLET DRAINAGE AREAS

Outlet Number	Type Of Surface	Area In Square Feet	Impervious Surface %
Area 001	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u>62,383 Ft²</u> <u>4,578Ft²</u> <u>0 Ft²</u> <u>22,022Ft²</u> TOTAL <u>88,983 Ft²</u>	70%
Area 002	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u>42,247 Ft²</u> <u>0 Ft²</u> <u>0 Ft²</u> <u>35,685 Ft²</u> TOTAL <u>77,932 Ft²</u>	54%
	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u> Ft²</u> <u> Ft²</u> <u> Ft²</u> <u> Ft²</u> TOTAL <u> Ft²</u>	
	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u> Ft²</u> <u> Ft²</u> <u> Ft²</u> <u> Ft²</u> TOTAL <u> Ft²</u>	
	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u> Ft²</u> <u> Ft²</u> <u> Ft²</u> <u> Ft²</u> TOTAL <u> Ft²</u>	
	Paved, Roofed (Impervious) Graveled (Semi pervious) Barren Ground Vegetated	<u> Ft²</u> <u> Ft²</u> <u> Ft²</u> <u> Ft²</u> TOTAL <u> Ft²</u>	

APPENDIX A

WEEKLY VISUAL EXAMINATION OF OUTFALL

Facility Name:		Outlet Number:	
Observed by:		Date/Time:	
	Present	Absent	Comments
Solid Debris, such as Raw Material (Plastic Pellets)			

If the above check box is marked "Absent," sign this form and file it in the Pollution Prevention Plan. If the above check box is marked "Present" (indicating contamination), contact members of the Pollution Prevention Team to initiate further action, then sign this form and file in the Pollution Prevention Plan.

Signature of Observer: _____

Referred to Pollution Prevention Team? Yes No

If observed, list probable source(s) of storm water contamination: _____

STORM WATER PERMIT FEE CALCULATION

TeMa NORTH AMERICA LLC.
NEW MANUFACTURING FACILITY
BURR BUSINESS PARK
395 STEELEY WAY,
JEFFERSON COUNTY, WEST VIRGINIA

PRECIPITATION ZONE 4

OCTOBER 10, 2018

Drainage Area (Outfall 001 & 002)

	(001)	(002)	COMBINED
Impervious or Roofed Area	= 62,383 SF	42,247 SF	104,630 SF
Gravel or Stoned Areas	= 4,578 SF	0 SF	4,578 SF
Vegetated Areas (Pasture/Forest)	= 22,022 SF	35,685 SF	57,707 SF
Total Area	=	166,915 Square Feet	

Fee Calculation Based on Total Area

IMPERVIOUS OR ROOFED AREAS: $7.48 \text{ GALLONS} \times 0.85 \times 104,630 \text{ FT}^2 \times 3.08' \div 365$
DAYS/YEAR=5,613.51 GALLONS PER DAY

SEMI-PERVIOUS (GRAVE/STONED) AREAS: $7.48 \text{ GALLONS} \times 0.60 \times 4,578 \text{ FT}^2 \times 3.08' \div 365$
DAYS/YEAR= 173.38 GALLONS PER DAY

VEGETATED (PASTURE/WOODDED) AREAS: $7.48 \text{ GALLONS} \times 0.20 \times 57,707 \text{ FT}^2 \times 3.08' \div 365$
DAYS/YEAR=728.48 GALLONS PER DAY

TOTAL RUNOFF $5,613.59+173.38+728.48= 6,515.45$ GALLONS PER DAY (GPD)

REGISTRATION FEE (NEW FACILITY 5,001 TO 50,000 GPD) = \$1170.00

Fee Calculation Based on Area 001

IMPERVIOUS OR ROOFED AREAS: 7.48 GALLONS X 0.85 X 62,383 FT² X 3.08' ÷ 365
DAYS/YEAR=3,346.91 GALLONS PER DAY

SEMI-PERVIOUS (GRAVE/STONED) AREAS: 7.48 GALLONS X 0.60 X 4,578 FT² X 3.08' ÷ 365
DAYS/YEAR= 173.38 GALLONS PER DAY

VEGETATED (PASTURE/WOODED) AREAS: 7.48 GALLONS X 0.20 X 22,022 FT² X 3.08' ÷ 365
DAYS/YEAR=278 GALLONS PER DAY

**TOTAL RUNOFF AT (001) 3,346.91+173.38+278= 3,798.29 GALLONS
PER DAY (GPD)**

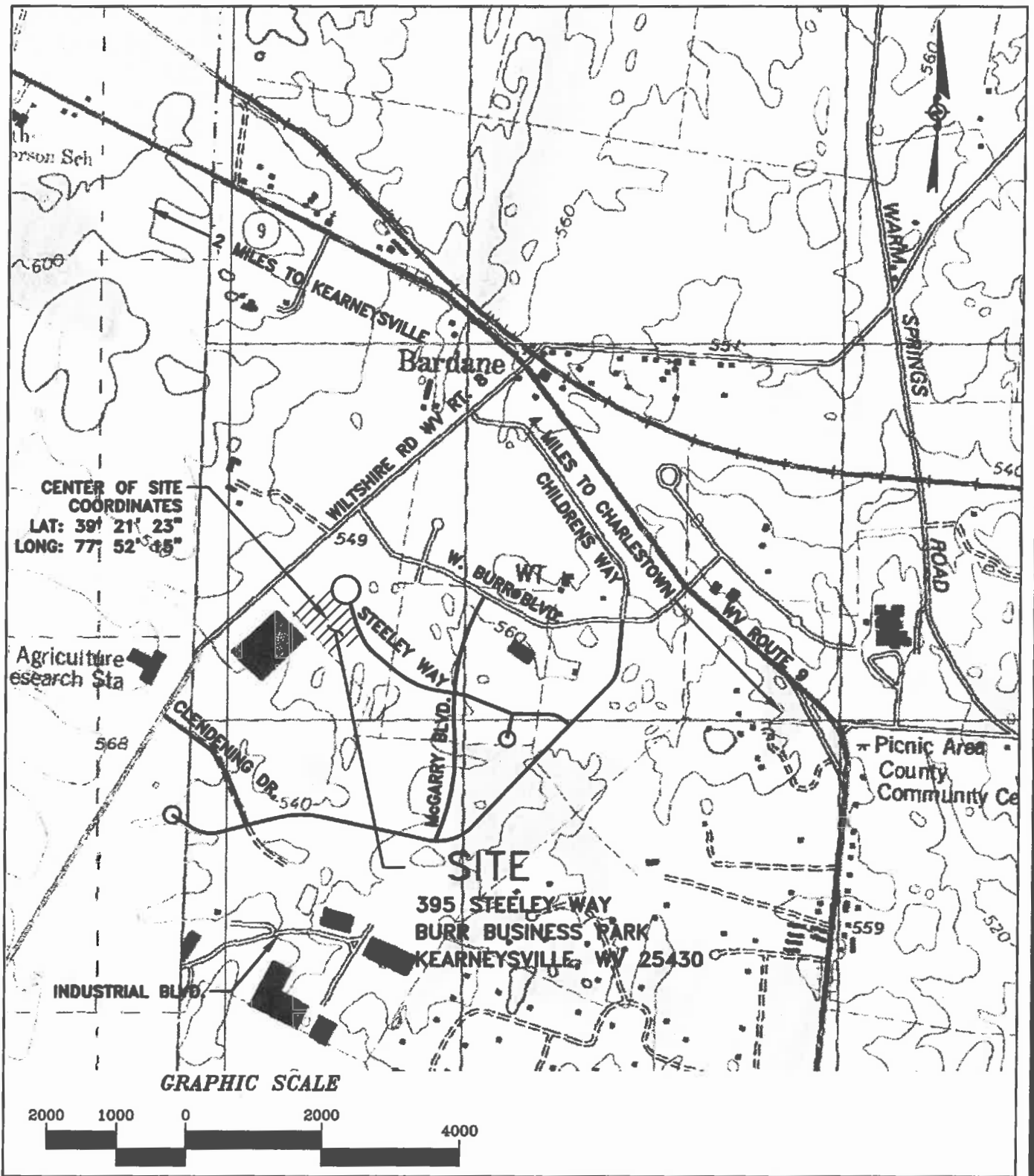
Fee Calculation Based on Area 002

IMPERVIOUS OR ROOFED AREAS: 7.48 GALLONS X 0.85 X 42,247 FT² X 3.08' ÷ 365
DAYS/YEAR=2,266.60 GALLONS PER DAY

SEMI-PERVIOUS (GRAVE/STONED) AREAS: 7.48 GALLONS X 0.60 X 0 FT² X 3.08' ÷ 365
DAYS/YEAR= 0 GALLONS PER DAY

VEGETATED (PASTURE/WOODED) AREAS: 7.48 GALLONS X 0.20 X 35,685 FT² X 3.08' ÷ 365
DAYS/YEAR=450.48 GALLONS PER DAY

**TOTAL RUNOFF AT (002) 2,266.60+0+450.48= 2,717.08 GALLONS
PER DAY (GPD)**

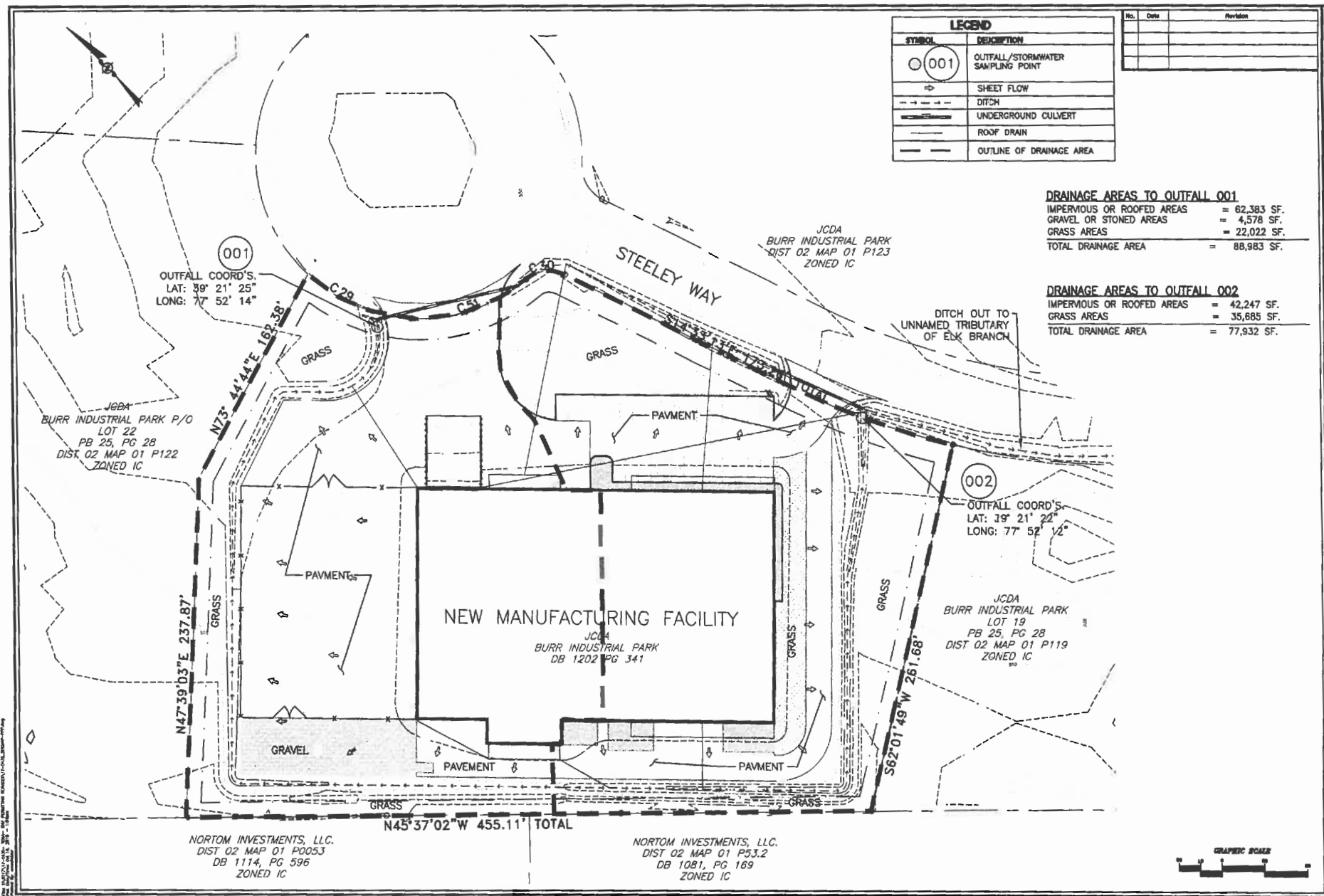


XREF Files: charles.town.tif
 IMAGE Files: LOCATION-AREA-MAP1.jpg
 File: T:\2017\17-0435-TEMA-ENV PERMITTING SERVICES\17-0435_TOPO-VICINITYMAP.dwg
 Plot Date/Time: Oct 11, 2018 - 10:56am
 Plotted By: crnsholder

POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS

15 South Braddock St., Winchester, VA. 22601
 TEL: (540) 450-0180 FAX: (540) 450-0182
 E-Mail Address: potesta@potesta.com

Project		STORM WATER PERMIT TOPOGRAPHIC/VICINITY MAP TeMa NORTH AMERICA LLC. JEFFERSON COUNTY OPERATIONS JEFFERSON COUNTY, WEST VIRGINIA	
Scale 1"=2,000'	Dwg. No.		FIGURE 1
Date OCTOBER 2018			



LEGEND	
SYMBOL	DESCRIPTION
○ 001	OUTFALL/STORMWATER SAMPLING POINT
→	SHEET FLOW
- - - - -	DITCH
- - - - -	UNDERGROUND CULVERT
- - - - -	ROOF DRAIN
- - - - -	OUTLINE OF DRAINAGE AREA

No.	Date	Revision

DRAINAGE AREAS TO OUTFALL 001

IMPERVIOUS OR ROOFED AREAS	= 62,383 SF.
GRAVEL OR STONED AREAS	= 4,578 SF.
GRASS AREAS	= 22,022 SF.
TOTAL DRAINAGE AREA	= 88,983 SF.

DRAINAGE AREAS TO OUTFALL 002

IMPERVIOUS OR ROOFED AREAS	= 42,247 SF.
GRASS AREAS	= 35,685 SF.
TOTAL DRAINAGE AREA	= 77,932 SF.

POTESTA & ASSOCIATES, INC.
 14 South Main Street, Suite 200, Raleigh, NC 27601
 TEL: (919) 876-8888 FAX: (919) 876-8188
 E-MAIL: jpotesta@potesta.com

POTESTA

Check: T-44 NORTH AMERICA, LLC
 BURR INDUSTRIAL PARK
 285 S STEELEY WAY
 KENNESAW, WV, WEST VIRGINIA, 26149

STORM WATER PERMIT SITE MAP
 FOR NORTH AMERICA, LLC
 BURR INDUSTRIAL PARK
 285 S STEELEY WAY
 KENNESAW, WV, WEST VIRGINIA, 26149

FIGURE 2
 Drawing No.






Applicant:	JEFFERSON COUNTY DEVELOPMENT AUTHORITY	Type:	New NPDES Industrial Permit
Reference ID:	0103-17-0430 NPDES Permit (10/08/2018)	Permit ID:	New/Pending
Section 23: Certification			
Status	New	Printed:	Oct. 11, 2018 8:47 AM


By completing and submitting this application, I have reviewed, understood and agreed to the terms and conditions of the general permit. I understand that provisions of the permit are enforceable by law. Violations of any term and condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining 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.

23. SIGNATURE of OWNER 

Owner Name and/or Authorized Official of Company: ERIC LEWIS

TITLE: JCOA President

DATE: 10/8/2018 

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

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Applicant:	JEFFERSON COUNTY DEVELOPMENT AUTHORITY	Type:	New NPDES Industrial Permit
Reference ID:	0103-17-0430 NPDES Permit (10/08/2018)	Permit ID:	New/Pending
Form: Statement For Billing, Class I			
Status:	New	Printed:	Oct. 12, 2018 1:02 PM

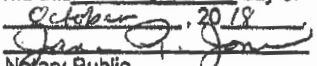
The Jefferson County Development Authority, of which I am an
 name of company or facility
 authorized representative, has applied for a West Virginia National Pollutant Discharge Elimination System permit from the West Virginia Department of Environmental Protection, Division of Water and Waste Management. 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 Jefferson County Development Authority, 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: Jefferson County Development Authority
 Address Line 1: PO BOX 237
 Address Line 2:
 Country: United States of America
 City: Charles Town
 State: West Virginia
 Zip: 25414 Postal Code Ref

Eric Lewis 304-728-3255 (### ### ####)
 authorized representative area code phone number


 Signature of Authorized Representative

Sworn and subscribed to before me this 12th day of October, 2018

 Notary Public
 Commission Expires December 16, 2023

Official Seal
 Notary Public, State of West Virginia
 Jene R Jones
 Jefferson County Development Authority
 PO Box 237
 Charles Town WV 25414
 My commission expires December 16, 2023

-136-

Public Notice Documents

Burch, Patrick D

From: Mullins, Sharon A
Sent: Tuesday, October 30, 2018 11:04 AM
To: janejones@jcda.net; Burch, Patrick D
Subject: Draft WVG611874
Attachments: Draft WVG611874.docx; PN WVG611874.rtf; DMR WVG611874.pdf

Jefferson County Development Authority
Attn: Eric Lewis
PO Box 237
Charles Town, WV 25414

Your forms for General Permit Registration Permit# WVG611874 have been found to be complete.

For your information, 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 7th day of November, 2018 in the Spirit of Jefferson newspaper.

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
601 57th Street SE
Charleston, WV 25304-2345
Attention: Sharon Mullins

Attached are copies of your draft permit registration, any required fact sheet and the public notice. If you have any questions, please do not hesitate to contact this office at 304-926-0499 ext 1132 or e-mail me at Sharon.A.Mullins@wv.gov. Thank you,

Sharon A. Mullins

WV DEP - Division of Water & Waste Mgmt
601 57th St. SE
Charleston, WV 25304-2345
Phone# (304) 926-0499 Ext 1132
Sharon.A.Mullins@WV.Gov

Jefferson County Development Authority
Attn: Eric Lewis
PO Box 237
Charles Town, WV 25414

Physical Site Location: 395 Steeley Way, Kearneysville

Please be advised that this e-mail constitutes approval for your stormwater activity and your Registration No. is WVG611874. You are now authorized to operate under WV/NPDES General Water Pollution Control Permit No. WV0111457, issued on March 3, 2014. You should carefully read the contents of this General Permit and become familiar with all requirements needed to remain in compliance with your permit. The General Permit is located on our website at <http://www.dep.wv.gov/WWE/Programs/stormwater/multisection/Pages/home.aspx>. The approved Groundwater Protection Plan (GPP) shall be maintained at the plant site and shall be available for inspection by the Division of Water and Waste Management personnel. The GPP approval afforded by this permit shall not relieve the permittee of any requirements pertaining to the Above Ground Storage Tank (AST) Program. All monitoring required by this permit is benchmark monitoring. This monitoring is not an effluent limitation and should not be construed as such it is merely an indicator of whether or not the facilities discharges indicates if there is a reasonable potential to violate state water quality standards. If the benchmarks are exceeded then the permittee must immediately review both the stormwater and groundwater protection plans to reduce pollutant levels to meet the benchmark levels. During the review of your site registration application form it was discovered that the pollutant analysis for the eight baseline parameters required of all sites was not submitted for Outlets 001 and 002. Within sixty (60) days of your initial plant start-up, or as soon thereafter as climatic conditions allow, you must submit this analysis. Please be advised that your monitoring requirements may be subject to change based upon this analysis.

This data is to be submitted as an attachment thru the Electronic Submission System (ESS). Facilities permitted to discharge pollutants to the waters of the State under Chapter 22, Article 11 of the West Virginia Code are required to test their effluent in order to verify permit compliance. This testing is the responsibility of the permittee and these test results are required to be submitted to this office thru our Electronic Submission System (ESS) per the Discharge Monitoring Report (DMR) attached. Please refer to the User's Guide on our ESS webpage for guidance. If required by the industrial sector, you must perform this sampling analysis once every six (6) months. **Failing to submit required DMRs electronically is a violation of the permit and can lead to enforcement actions being taken by this agency for noncompliance.** Your next DMR is due on or before 20 days following your required sampling period per Users Guide and is based on this registration coverage. These records must be readily available at the site for inspection by DEP personnel either in electronic or hard copy format. Finally, note that copies of all future correspondence regarding the permit registration must be sent to the following addresses:

WV Department of Environmental Protection
Division of Water & Waste Management

Permitting and Engineering Branch
601 57th Street SE
Charleston, WV 25304-2345

WV Department of Environmental Protection
Environmental Enforcement
22288 Northwestern Pike
Romney, WV 26757

This agency requires the permittee to sign up for a login id on our website at <https://apps.dep.wv.gov/eplogin.cfm> to utilize our ESS system which is mandatory if you currently do not already have one. The permittee is not required to submit hard copies of the DMRs to the addresses listed above when using eDMR. Please be advised that these records must be readily available at the site for inspection by DEP personnel either in electronic or hard copy format. If you're unable to participate in the e-Permitting/eDMR process, you must submit a detailed letter stating why to DEP to the attention of Alice Cooper.

Your annual permit fee has been assessed as \$250.00. You will be invoiced by this agency one month prior to the anniversary date of your original approval date. Failure to submit the annual fee within ninety (90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

If you have any questions regarding this registration approval, please do not hesitate to contact Patrick Burch at (304) 926-0499 Ext 1067 or by email at Patrick.D.Burch@wv.gov.

Harold D. Ward, Acting Director
WV DEP, Division of Water & Waste Mgt.
601 57th St. SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0496

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 coverage under the General West Virginia National Pollutant Discharge Elimination System Water Pollution Control Permit No. WV0111457

Public Notice No.: SM-88-2018

Public Notice Date: November 07, 2018

Paper: Spirit of Jefferson

The following has applied for coverage under the General WV/ NPDES Water Pollution Control Permit No. WV0111457 for this facility or activity:

Appl. No.: WVG611874

Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY
PO BOX 237
CHARLES TOWN, WV 25414

Location: KEARNEYSVILLE, JEFFERSON COUNTY

Latitude: 39:21:25

Longitude: 77:52:14

Receiving Stream:

UNT/Elk Branch/Elk Run/Potomac River

Activity:

To discharge stormwater associated with industrial activities - Outlet number 1 and 2. the facility is proposed to be covered under Sector N of the existing general permit.

Business conducted:

Manufacture construction products for insulation and drainage systems for residential, industrial & commercial use.

Implementation:

N/A.

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 site registration permit application 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: Sharon Mullins, Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

The public comment period begins November 07, 2018 and ends December 07, 2018.

Comments received within this period will be considered prior to acting on the permit 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. The Director shall hold a public hearing whenever a finding is made, on the basis of requests, that there is a significant degree of public interest on issues relevant to the site registration permit application and this facility's coverage under the General Permit. Interested persons may contact the Public Information Office to obtain further information.

The application may be inspected, by appointment, at the Division of Water and Waste Management Public Information Office, at 601 57th Street, Charleston, WV, between 8:00 a.m. and 4:00 p.m. on business days. Copies of the application and the General Permit and Fact Sheet may be obtained from the Division at a nominal cost. Individuals requiring Telecommunication Device (TDD) may contact our agency by calling 1-800-422-5700. Calls must be made 8:30 a.m. to 3:30 p.m. Monday through Friday.

WRD 2A-82
 SECTOR: N-1
 GEN. PMT. REGISTRATION NO. WVG611874

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 STORMWATER MONITORING REPORT

Final Limitations

FACILITY NAME: (TeMa North America, LLCJefferson County Operations) JEFFERSO
 LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County
 PERMIT NO.: WV0111457 OUTLET NO.: 001
 WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity	Units	N.E.	Other Units			CEL*	Units	N.E.	Measurement Frequency	Sample Type
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported						N/A	mg/l		1/6 months	Grab
	Permit Limits	N/A	N/A		N/A	N/A		Rpt Only Max. Daily			
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed	
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

FACILITY NAME: (TeMa North America, LLC Jefferson County Operations) JEFFERSON

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0111457 OUTLET NO.: 002

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity				Other Units				Measurement Frequency	Sample Type	
			Units	N.E.			Units	N.E.			
									N/A		
									N/A		
									N/A		
									N/A		
									N/A		
									N/A		
									N/A		
									N/A		

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed	
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	

WRD 2A-82
 SECTOR: N-1
 GEN. PMT. REGISTRATION NO. WVG611874

STATE OF WEST VIRGINIA
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Final Limitations

FACILITY NAME: (TeMa North America, LLC Jefferson County Operations) JEFFERSON
 LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County
 PERMIT NO.: WV0111457 OUTLET NO.: 002
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity				Other Units							Measurement Frequency	Sample Type
			Units	N.E.					CEL*	Units	N.E.		
									N/A				
									N/A				
									N/A				
									N/A				
									N/A				
									N/A				
									N/A				
									N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

**STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER MONITORING REPORT**

FACILITY NAME: (TeMa North America, LLC Jefferson County Operations) JEFFERSON
 LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County
 PERMIT NO.: WV0111457 OUTLET NO.: 002
 WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____
 CERTIFIED LABORATORY ADDRESS: _____
 INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity	Other Units			Measurement Frequency	Sample Type		
		Units	N.E.	CEL*			Units	N.E.
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported Permit Limits	N/A	N/A	N/A	N/A	mg/l	1/6 months	Grab
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

Burch, Patrick D

From: Bosley, Jon M
Sent: Wednesday, December 12, 2018 12:12 PM
To: Glance, Jacob P
Cc: Burch, Patrick D
Subject: FW: Public Hearing Ad, Class Action 1, WVG611874, Jefferson County

Importance: High

Follow Up Flag: Follow up
Flag Status: Completed

Jake,

The date for a public hearing in Jefferson County would be January 21, 22, or 23.

--Jon Michael
--Stormwater Permitting Supervisor

From: Mullins, Sharon A
Sent: Tuesday, December 11, 2018 4:34 PM
To: Burch, Patrick D <Patrick.D.Burch@wv.gov>
Cc: Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: Public Hearing Ad, Class Action 1, WVG611874, Jefferson County
Importance: High

From: Legals <legals@spiritofjefferson.com>
Sent: Tuesday, December 11, 2018 3:22 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: Public Hearing Ad, Class Action 1, WVG611874, Jefferson County
Importance: High

The next available date is Dec. 19.

Thank you.

On Dec 11, 2018, at 2:12 PM, Mullins, Sharon A <Sharon.A.Mullins@wv.gov> wrote:

If I sent you a public hearing ad, class action 1, when can it be published in your paper?

Sharon A. Mullins
WV DEP - Division of Water & Waste Mgmt
601 57th St. SE
Charleston, WV 25304-2345
Phone# (304) 926-0499 Ext 1132
Sharon.A.Mullins@WV.Gov

Mullins, Sharon A

From: Mullins, Sharon A
Sent: Tuesday, October 30, 2018 10:49 AM
To: 'Legals'
Subject: Class 1 Legal Ad WVG611874
Attachments: PN WVG611874.rtf; Statement for Billing, WVG611874.pdf

RE: SM-88-2018/Jefferson County Development Authority/Jefferson/ TeMa North America, LLC Jefferson County Operations /WVG611874

To Whom It May Concern:

Please publish the attached public notice as a class 1 legal advertisement on Wednesday, November 7, 2018.

Send the affidavit of publication and invoice to: Jefferson County Development Authority
Attn: Eric Lewis
PO Box 237
Charles Town, WV 25414

Please send a copy of the affidavit of publication to Sharon Mullins, DEP/Division of Water & Waste Management, 601 57th Street SE, Charleston, WV 25304.

If you have any questions or need other information, please contact me at (304) 926-0499, extension 1132, or e-mail me at Sharon.A.Mullins@wv.gov. Thank you,

Sharon A. Mullins

WV DEP - Division of Water & Waste Mgmt
601 57th St. SE
Charleston, WV 25304-2345
Phone# (304) 926-0499 Ext 1132
Sharon.A.Mullins@WV.Gov

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 coverage under the General West Virginia National Pollutant Discharge Elimination System Water Pollution Control Permit No. WV0111457

Public Notice No.: SM-88-2018

Public Notice Date: November 07, 2018

Paper: Spirit of Jefferson

The following has applied for coverage under the General WV/ NPDES Water Pollution Control Permit No. WV0111457 for this facility or activity:

Appl. No.: WVG611874

Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY
PO BOX 237
CHARLES TOWN, WV 25414

Location: KEARNEYSVILLE, JEFFERSON COUNTY

Latitude: 39:21:25

Longitude: 77:52:14

Receiving Stream:

UNT/Elk Branch/Elk Run/Potomac River

Activity:

To discharge stormwater associated with industrial activities - Outlet number 1 and 2. the facility is proposed to be covered under Sector N of the existing general permit.

Business conducted:

Manufacture construction products for insulation and drainage systems for residential, industrial & commercial use.

Implementation:

N/A.

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 site registration permit application 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: Sharon Mullins, Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

The public comment period begins November 07, 2018 and ends December 07, 2018.

Comments received within this period will be considered prior to acting on the permit 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. The Director shall hold a public hearing whenever a finding is made, on the basis of requests, that there is a significant degree of public interest on issues relevant to the site registration permit application and this facility's coverage under the General Permit. Interested persons may contact the Public Information Office to obtain further information.

The application may be inspected, by appointment, at the Division of Water and Waste Management Public Information Office, at 601 57th Street, Charleston, WV, between 8:00 a.m. and 4:00 p.m. on business days. Copies of the application and the General Permit and Fact Sheet may be obtained from the Division at a nominal cost. Individuals requiring Telecommunication Device (TDD) may contact our agency by calling 1-800-422-5700. Calls must be made 8:30 a.m. to 3:30 p.m. Monday through Friday.




Applicant:	JEFFERSON COUNTY DEVELOPMENT AUTHORITY	Type:	New NPDES Industrial Permit
Reference ID:	0103-17-0430 NPDES Permit (10/08/2018)	Permit ID:	New/Pending
Form: Statement For Billing, Class I			
Status	New	Printed:	Oct. 12, 2018 1:02 PM

The Jefferson County Development Authority, 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 Jefferson County Development Authority, 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: Jefferson County Development Authority
Address Line 1: PO BOX 237
Address Line 2:
Country: United States of America
City: Charles Town
State: West Virginia
Zip: 25414 PostalCode Ref.

Eric Lewis 304-728-3255 (###-###-####)
authorized representative area code phone number


Signature of Authorized Representative

Sworn and subscribed to before me this 18th day of October, 2018
Jane R. Jones
Notary Public
December 16, 2023
Commission Expires

-150-

Mullins, Sharon A

From: Mullins, Sharon A
Sent: Tuesday, December 18, 2018 10:31 AM
To: 'legals@spiritofjefferson.com'
Subject: Class 1 Legal Ad WVG611874
Attachments: Public Hearing, WVG611874.doc

RE: SM-102-2018/Jefferson County Development Authority/Jefferson/TeMa North America, LLC, Jefferson Co Operations/WVG611874

To Whom It May Concern:

Please publish the attached public hearing notice as a class I legal advertisement on Wednesday, December 26, 2018.

Send the affidavit of publication and invoice to: WVDEP

Attn: Sharon Mullins
601 57th St., S.E.
Charleston, WV 25304

If you have any questions or need other information, please contact me at (304) 926-0499, extension 1132, or e-mail me at Sharon.A.Mullins@wv.gov. Thank you,

Sharon A. Mullins

WV DEP - Division of Water & Waste Mgmt
601 57th St. SE
Charleston, WV 25304-2345
Phone# (304) 926-0499 Ext 1132
Sharon.A.Mullins@WV.Gov

Notice of Public Hearing

A public hearing has been scheduled for Jefferson County Development Authority, 431 W. 2nd Avenue Kearneysville, WV 25430 (WVG611874).

The purpose of the hearing is to take additional comments on the draft permit registration for operation of the facility.

The hearing has been scheduled from 6 to 8 p.m. on Wednesday, January 30, 2019 at the:

**Ranson Civic Center
431 W. 2nd Avenue
Ranson, WV 25438**

The public notice for this draft permit was published in The Spirit of Jefferson on November 7, 2018, and the comment period ended December 7, 2018.

Oral and written comments will be accepted at the hearing. After the public hearing, the comment period will be extended until 5 p.m. on Sunday, February 9, 2019.

A copy of the draft permit can be obtained by calling Sharon Mullins, Division of Water & Waste Management, (304) 926-0499, ext. 1132; or e-mail her at Sharon.A.Mullins@wv.gov.

NOTICE OF PUBLIC HEARING

A public hearing has been scheduled for Jefferson County Development Authority, 431 W. 2nd Avenue Kearneysville, WV 25436 (WVG611874).

The purpose of the hearing is to take additional comments on the draft permit registration for operation of the facility.

The hearing has been scheduled from 6 to 8 p.m. on Wednesday, January 30, 2019 at the:

Ranson Civic Center
431 W. 2nd Avenue
Ranson, WV 25438

The public notice for this draft permit was published in The Spirit of Jefferson on November 7, 2018, and the comment period ended December 7, 2018.

Oral and written comments will be accepted at the hearing. After the public hearing, the comment period will be extended until 5 p.m. on Sunday, February 9, 2019.

A copy of the draft permit can be obtained by calling Sharon Mullins, Division of Water & Waste Management, (304) 926-0499, ext. 1132; or e-mail her at Sharon.A.Mullins@wv.gov. 12/26/18

Certificate of Publication

JEFFERSON PUBLISHING COMPANY, INC., Publisher
SPIRIT OF JEFFERSON ADVOCATE

Charles Town, W. Va. December 26 20 18

annexed Notice of public hearing

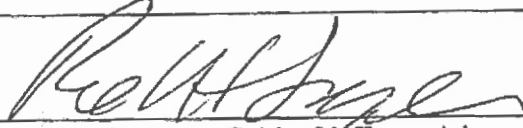
A draft permit registration for operation of the

reg

1 week for one successive weeks, in the Spirit of Jefferson

published in Charles Town, Jefferson County, West Virginia, in the issues of

December 26, 20 18.

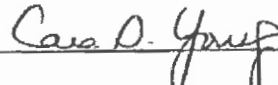


Editor/Manager, Spirit of Jefferson Advocate

State of West Virginia
County of Jefferson

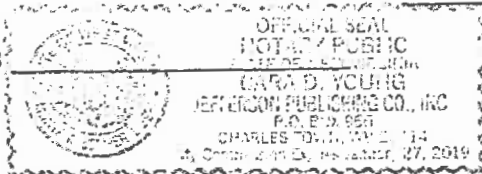
Personally appeared before me, Robert Snyder, Editor/Manager

of the Spirit of Jefferson Advocate, and made oath that the above certificate is true and correct.



Notary Public

Commission expires



Public Comments Received

November 7, 2018

Director, Division of Water and Waste Management, DEP
ATTN: Sharon Mullins, Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

RECEIVED

NOV - 9 2018

Dear Ms. Mullins,
Please deny the following permit:

Appl. No.: WVG611874
Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY
PO BOX 237
CHARLES TOWN, WV 25414
Location: KEARNEYSVILLE, JEFFERSON COUNTY
Latitude: 39:21:25 Longitude: 77:52:14
Receiving Stream:
UNT/Elk Branch/Elk Run/Potomac River

Activity:

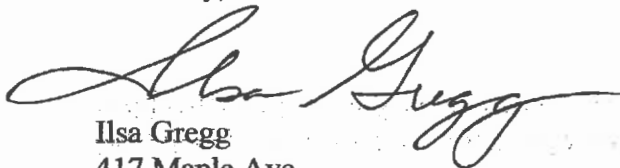
To discharge stormwater associated with industrial activities - Outlet number 1 and 2, the facility is proposed to be covered under Sector N of the existing general permit.

Business conducted:

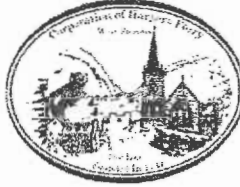
Manufacture construction products for insulation and drainage systems for residential, industrial & commercial use.

The use of delicate stream ecosystems for stormwater drainage around this industrial site is ill advised. The vents of this factory are short, keeping all discharged pollution falling close to the ground adjacent to the building, thus contaminating that ground around the building. Any stormwater drainage from the site would contain hazardous chemicals that would damage streams and rivers. The stormwater needs to be treated first before it is released into the river. Please deny the JCDA this permit to pollute the receiving stream - UNT/Elk Branch/Elk Run/Potomac River. I also request a public hearing due to recent violations of open meeting rules of the JCDA in regards to environmental protection of Jefferson County air and water.

Sincerely,



Ilsa Gregg
417 Maple Ave.
Harpers Ferry, WV 25425
720-261-3601
greggilsa@yahoo.com



Corporation of Harpers Ferry

1000 WASHINGTON STREET • P.O. BOX 217

Harpers Ferry, West Virginia 25425

304-535-2206 • FAX 304-535-8520

Wayne Bishop

MAYOR

RECORDER
KEVIN GARDEN

TOWN CLERK
NANCY CUMMINS

COUNCIL MEMBERS

BARBARA HUMES
HARDWICK S. JOHNSON, JR.
CHARLOTTE THOMPSON
ED WHEELLESS
MIDGE FLINN YOST

November 14, 2018

Mr. McLaughlin, Mr. Diehl & JCDA Members
P.O. Box 237
Charles Town, WV 25414

Dear Mr. McLaughlin, Mr. Diehl and JCDA Members:

On November 7th, the public received word that the following permit has been applied for by the JCDA:

Appl. No.: WVG611874

Applicant: JEFFERSON COUNTY DEVELOPMENT AUTHORITY, P.O. Box 237, Charles Town, WV 25414.

Location: Kearneysville, Jefferson County

Latitude: 39:21:25 Longitude: 77:52:14

Receiving Stream: UNT/Elk Branch/Elk Run/Potomac River

Activity: To discharge stormwater associated with industrial activities – Outlet number 1 and 2. The facility is proposed to be covered under Sector N of the existing general permit.

Business conducted: Manufacture construction products for insulation and drainage systems for residential, industrial & commercial use.

Implementation: N/A

As you may know, the Corporation of Harpers Ferry draws its water directly from the Elks Run. This permit would allow stormwater run-off to go directly into our drinking source. We respectfully request that you withdraw this permit application until such time that The Corporation of Harpers Ferry has had time to do due diligence in researching and understanding the potential impacts of any permitted runoff on our drinking water and water treatment plant.

It is our understanding as part of the permitting for the facility that an NPDES (National Pollutant Discharge Elimination System) permit will be required for the industrial waste water and storm water discharge for the projects. This is administered by the West Virginia D.E.P. and can also be facilitated at the County level.

Historic District
Where the Shenandoah Meets the Potomac

Mr. McLaughlin, Mr. Diehl & JCDA Members
November 14, 2018
Page Two

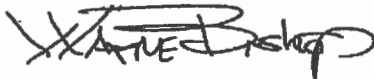
As a stakeholder (Elks Run Water System), the town of Harpers Ferry is also directing a letter to the D.E.P. and the JCDA demanding strict conformance with water quality from both the stormwater and industrial waste water permits and request we be included with any correspondence as it directly impacts our residents and customers.

We also ask that baseline testing be conducted and on-going testing (after construction) of the Elks Run water supply near the proposed site to ensure the public water supply remains safe.

We have asked our Water Commission and Elks Run Study Committee to forward their request that this project should be studied and monitored and that they request that the Jefferson County Commission and the Jefferson County Public Service District ensure the watershed remain safe.

I look forward to a response and meeting with you at your earliest convenience.

Sincerely,

A handwritten signature in black ink that reads "Wayne Bishop". The signature is written in a cursive style with a large, stylized "W" and "B".

Wayne Bishop
Mayor

Electronic copy: Alpha Engineers
Michael Scales, Esq.

Burch, Patrick D

From: DEP Comments
Sent: Tuesday, December 4, 2018 8:57 AM
To: Patel, Yogesh P; Burch, Patrick D
Subject: FW: County Development Authority NPDES Permit WVG611874

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: bernard demartini <bdemartini2@email.com>
Sent: Monday, December 3, 2018 9:00 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: County Development Authority NPDES Permit WVG611874

To Whom It May Concern:

These comments are concerning the Jefferson County Development Authority's application for the NPDES permit WVG611874 for the TeMa Facility located in the Burr Industrial Park. it's my understanding that Jefferson county residents have until Dec 7th to send comments to the WV DEP about this. today is December 3rd.

The proposed TeMa Facility, located in Jefferson County, would produce insulation and drainage systems for residential, commercial and industrial use.

This project is being brought forward here in Jefferson County by the JCDA, a volunteer organization that was, until very recently, dominated by individuals with a heavy industry agenda that in no way is supported by any but a very small minority of our county's residents.

in the recent mid-term elections that occurred on November 6th, five out of six anti-JCDA agenda candidates were elected. shortly after, twelve of the twenty members of the JCDA resigned, stating that the election made it clear that the county's voters do not want the current JCDA agenda - that is, a heavy industry agenda.

it will take time for the County Commission to fill the vacancies on the JCDA Board; when they do we are expecting the new JCDA to withdraw the request for a permit for TeMa. it is heavy industry and not welcome in our county. here are some reasons why.

(1) The proposed TeMa facility is located in karst topography and is in the wellhead protection area for Walnut Grove Utilities, North Jefferson Elementary School and within 1.5 miles of Harpers Ferry Water Works' zone of critical concern.

(2) The permit lists floatable plastic pellets and zinc as potential stormwater pollutants associated with the facility. While there are monitoring requirements for zinc in the permit, there are no monitoring requirements for detecting plastic in the outfalls. There is no plan or Best Management Practices listed in the application to manage the plastic pellets and prevent them from entering the stormwater.

(3) Pollutants leaving the facility are more likely to impact groundwater because of the karst terrain. Less than half a mile from the facility location, a sinkhole opened up in the Burr Industrial Park into which stormwater was draining without a permit. This is an example of how the groundwater has been and could be further impacted at the location.

(4) The Pollution Prevention Plan (PPP) which includes the Stormwater Pollution Prevention Plan and the Groundwater Protection Plan submitted with the permit application makes no mention of the karst terrain and provides no specific details on how the groundwater will be protected from pollutants.

if the permit request is not withdrawn by the new JCDA, it is requested that the permit be denied.

thank you,

Bernard DeMartini

Shepherdstown WV

Burch, Patrick D

From: Burch, Patrick D
Sent: Thursday, December 6, 2018 8:32 AM
To: Barbery, Albert
Subject: FW: County Development Authority NPDES Permit WVG611874

Comments on Tema

See below.

Just write up something about how you reviewed the combine plan and I will add it to the comments that I am working on.

Any questions let me know.

Thanks,
PB

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Tuesday, December 4, 2018 8:57 AM
To: Patel, Yogesh P <Yogesh.P.Patel@wv.gov>; Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: FW: County Development Authority NPDES Permit WVG611874

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: bernard demartini <bdemartini2@email.com>
Sent: Monday, December 3, 2018 9:00 PM

To: DEP Comments <DEP.Comments@wv.gov>

Subject: County Development Authority NPDES Permit WVG611874

To Whom It May Concern:

These comments are concerning the Jefferson County Development Authority's application for the NPDES permit WVG611874 for the TeMa Facility located in the Burr Industrial Park. it's my understanding that Jefferson county residents have until Dec 7th to send comments to the WV DEP about this. today is December 3rd.

The proposed TeMa Facility, located in Jefferson County, would produce insulation and drainage systems for residential, commercial and industrial use.

This project is being brought forward here in Jefferson County by the JCDA, a volunteer organization that was, until very recently, dominated by individuals with a heavy industry agenda that in no way is supported by any but a very small minority of our county's residents.

in the recent mid-term elections that occurred on November 6th, five out of six anti-JCDA agenda candidates were elected. shortly after, twelve of the twenty members of the JCDA resigned, stating that the election made it clear that the county's voters do not want the current JCDA agenda - that is, a heavy industry agenda.

it will take time for the County Commission to fill the vacancies on the JCDA Board; when they do we are expecting the new JCDA to withdraw the request for a permit for TeMa. it is heavy industry and not welcome in our county. here are some reasons why.

(1) The proposed TeMa facility is located in karst topography and is in the wellhead protection area for Walnut Grove Utilities, North Jefferson Elementary School and within 1.5 miles of Harpers Ferry Water Works' zone of critical concern.

(2) The permit lists floatable plastic pellets and zinc as potential stormwater pollutants associated with the facility. While there are monitoring requirements for zinc in the permit, there are no monitoring requirements for detecting plastic in the outfalls. There is no plan or Best Management Practices listed in the application to manage the plastic pellets and prevent them from entering the stormwater.

(3) Pollutants leaving the facility are more likely to impact groundwater because of the karst terrain. Less than half a mile from the facility location, a sinkhole opened up in the Burr Industrial Park into which stormwater was draining without a permit. This is an example of how the groundwater has been and could be further impacted at the location.

(4) The Pollution Prevention Plan (PPP) which includes the Stormwater Pollution Prevention Plan and the Groundwater Protection Plan submitted with the permit application makes no mention of the karst terrain and provides no specific details on how the groundwater will be protected from pollutants.

if the permit request is not withdrawn by the new JCDA, it is requested that the permit be denied.

thank you,

Bernard DeMartini

Shepherdstown WV

Burch, Patrick D

From: Patel, Yogesh P
Sent: Thursday, December 6, 2018 9:02 AM
To: Burch, Patrick D; Bosley, Jon M
Subject: FW: Sharon Mullins Permit# WVG611874

Follow Up Flag: Follow up
Flag Status: Completed

From: DEP Comments
Sent: Thursday, December 6, 2018 8:36 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Subject: FW: Sharon Mullins Permit# WVG611874

Not sure who else needs to see this,

Thanks -

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <sssi27@yahoo.com>
Sent: Wednesday, December 5, 2018 1:22 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Sharon Mullins Permit# WVG611874

December 5, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins;

I have some additional concerns/questions to my letter dated December 3, 2018 regarding the TeMa Facility in Jefferson County, West Virginia. Along with my concerns to the building permit issues pertaining to the floodplain, water sheds, sinkholes and pollution, I am curious to the water-cooled extruders.

It is my understanding that three extrusion lines equipped with electrical resistance heat, that can reach a melting temperature of about 480° Fahrenheit, will be operating in this facility and that the product will be water cooled on rollers. The unanswered and disturbing question is where is all this extremely hot water going? Is this a part of the storm water permit request or part of a sewer request? I am not able to locate how and where the water is going to go within the permitting.

Is this actually being requested as a Class V injection well? If so, this requires a different public comment procedure to enhance the previous comments and request as noted above.

I reserve the right to make further comment on this issue due to the fact that I don't have all the technical information. I would appreciate that information being forward to me.

Respectfully submitted,

David Tabb

107 Tabb Lane

Harpers Ferry, WV 25425



P.O. Box 1186
Harpers Ferry, WV 25425

December 2, 2018

Director
Division of Water and Waste Management
DEP
ATTN: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

RECEIVED
DEC 3 2018

RE: Public Notice No.: SM-88-2018 Public Notice Date
General WV/NPDES Water Pollution Control Permit No. WV0111457
Application No.: WVG611874

Dear Ms. Mullins:

I am requesting that a public hearing be held on the above named application to discharge stormwater associated with industrial activities. I am requesting that such a hearing will take place in Jefferson County where the industry in question is located. There are many questions that are of concern to me and other members of the public. Among them are:

What chemicals are associated with the industrial activities?

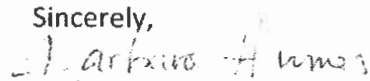
What plans have been submitted to deal with each of the potential contaminants?

What plans are in place to measure and detect stormwater contaminants?

Although the applicant is named as the Jefferson County Development Authority, the published notice fails to identify the actual manufacturer.

I would also like to know why doesn't the Division of Water and Waste Management, DEP, give the public access to an electronic copy of the application and the General Permit and Fact Sheet?

Sincerely,


Barbara Humes

Casto, Cassie B

From: Kathy <sweens1205@gmail.com>
Sent: Friday, December 7, 2018 5:39 AM
To: DEP Comments
Subject: NPDES permit WVG611874

I am deeply concerned about the water issues here. This is a dangerous undertaking our karst geology.
I am opposed.

Kathy Lloyd
650 Main Drag Way
Harpers Ferry, WV 25425

Sent from my iPad

Burch, Patrick D

From: Bosley, Jon M
Sent: Tuesday, December 11, 2018 8:44 AM
To: Burch, Patrick D
Subject: Fwd: WVG611874
Attachments: WV Rivers Comments WVG611874 TeMa NPDES.pdf; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

From: "Mullins, Sharon A" <Sharon.A.Mullins@wv.gov>
Date: December 11, 2018 at 8:24:49 AM EST
To: "Bosley, Jon M" <Jon.M.Bosley@wv.gov>
Subject: FW: WVG611874

FYI: Comments

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Friday, December 7, 2018 1:06 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Cc: Maguire, Edward F <Edward.F.Maguire@wv.gov>
Subject: FW: WVG611874

See attached comments.

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: Autumn Crowe <acrowe@wvrivers.org>
Sent: Friday, December 7, 2018 12:49 PM
To: DEP Comments <DEP.Comments@wv.gov>
Cc: Angie Rosser <arosser@wvrivers.org>
Subject: WVG611874

Please find attached WV Rivers' comments on the TeMa NPDES Permit WVG611874. Thank you for the opportunity to comment.

Autumn Crowe
Staff Scientist
West Virginia Rivers Coalition
304-992-6070
WVRivers.org | [Sign up for E-news](#)



December 7, 2018

WV Department of Environmental Protection
Division of Water and Waste Management
601 57th Street South East
Charleston, WV 25304

Re: WVG611874

Attn: Sharon Mullins, Permitting Section

Ms. Mullins:

West Virginia Rivers Coalition, on behalf of our members and the organizations signed below, respectfully submit the following comments on Jefferson County Development Authority's application for the NPDES permit WVG611874 for the TeMa Facility (permit).

The TeMa facility, which produces insulation and drainage systems, is located within the Burr Industrial Park. Stormwater associated with the facility drains into the Elk Run Watershed, a Potomac River Direct Drain and within the Chesapeake Bay Watershed. Additionally, the facility is located in karst topography and is in the wellhead protection area for Walnut Grove Utilities, North Jefferson Elementary School and within 1.5 miles of Harpers Ferry Water Works' zone of critical concern. Because of these sensitive water resources, additional scrutiny of this facility and its potential impacts on water quality is warranted.

Chesapeake Bay: The facility is located within the Chesapeake Bay Watershed. Restoration efforts are underway to improve the Chesapeake Bay and significant progress has been made. The region is currently developing Phase III of the Watershed Implementation Plan (WIP III). This facility will contribute to the impervious area associated with Industrial NPDES Permits. Load-based waste load allocations must be determined for this new source of pollution in the Chesapeake Bay Watershed.

Municipal Separate Storm Sewer System (MS4) Community: The facility lies within the MS4 Community of Jefferson County and is subject to additional stormwater management permit requirements through WVDEP. The facility must work with Region 9 and WVDEP's regional stormwater specialist to ensure high quality stormwater management measures are in place. The permit should comply with "WV Model Stormwater Ordinance Specifically Designed for Region 9." The Model is designed to: "limit the Post-Construction Runoff rates to rates equal to or less than Predevelopment Runoff rates, include provisions that will improve water quality by reducing Nonpoint Source Pollution and nutrients, encourage flexible BMP requirements and Low Impact Development (LID) design criteria, provide an incentives program to encourage BMP features, and address the vast areas of Karst Terrain and specify BMP criteria in these areas." Because the facility is proposed within an MS4 Community, we

request that DEP require the project to comply with this model. All new sources of industrial stormwater must be subject to the one-inch capture and onsite management requirements. WVDEP must encourage implementation of post-construction controls and track installation of implemented qualified BMPs.

Karst Terrain: Enhanced Stormwater BMPs should be required in karst terrain. Pollutants leaving the facility are more likely to impact groundwater in karst terrain. Less than half a mile from the facility location, a sinkhole opened up in the Burr Industrial Park into which stormwater was draining without a permit. The sinkhole is currently being remediated and stormwater is being diverted. However, this is an example of how the groundwater has been and could be further impacted at the location. The applicant should be aware that the facility is located in an area that has a high potential to impact groundwater. The Pollution Prevention Plan (PPP), which includes the Stormwater Pollution Prevention Plan and the Groundwater Protection Plan, submitted with the permit application makes no mention of the karst terrain and provides no specific details on how the groundwater will be protected from pollutants. More specific details must be included in the PPP. A Sinkhole Mitigation Plan should also be included with the permit application.

Elk Branch: The stormwater from the facility drains into an unnamed tributary of Elk Branch. Elk Branch is listed on the 303d list for fecal coliform and biological criteria. A TMDL for the watershed has been developed. Urban Pervious and Construction Stormwater are the largest users of the pollution load (TMDL, 2008). Nutrient loads in stormwater runoff, including from new development, are prescribed to stay the same. Monitoring the outfalls at Outlets 1 & 2 from this facility is needed to insure no net increase of pollutants within the watershed.

Potential Pollutants: The permit lists floatable plastic pellets and zinc as potential stormwater pollutants associated with the facility. While there are monitoring requirements for zinc in the permit, there are no monitoring requirements for detecting plastic in the outfalls. There is no plan or Best Management Practices listed in the application to manage the plastic pellets and prevent them from entering the stormwater.

Assign Benchmark Parameters: Section 8.9.1 Stormwater Pollution Prevention states that TeMa will implement additional BMPs if laboratory results determine that benchmark values are being exceeded. However, the only parameter assigned for monitoring is zinc. Benchmark parameters are put in place to determine if a stormwater discharge from any given facility merits further monitoring to insure that the facility has been successful in implementing a stormwater pollution prevention plan. DEP cannot determine if the facility is successful in preventing stormwater pollution if no monitoring is required. As a new facility, DEP must require all 40 benchmark parameters be monitored initially to determine which pollutants should require continuous monitoring.

Source Water Protection Area: This facility is located within the wellhead protection area for Walnut Grove Utilities, a half a mile from North Jefferson Elementary Wellhead Protection

Area, and 1.5 miles from Harpers Ferry Water Works' zone of Critical Concern. Because the facility is within and in close proximity to source water protection areas, monitoring is critical to protect drinking water resources. Analytical results should be shared with water utilities that could be potentially impacted from a pollution event.

Thank you for your careful consideration of these comments.

Signed,

Angie Rosser, Executive Director
West Virginia Rivers Coalition

Charles W. Marsh, President
Sleepy Creek Watershed Association

Burch, Patrick D

From: Bosley, Jon M
Sent: Tuesday, December 11, 2018 10:15 AM
To: Burch, Patrick D
Subject: FW: Sharon Mullins Permit# WVG611874

--Jon Michael
--Stormwater Permitting Supervisor

From: Mullins, Sharon A
Sent: Tuesday, December 11, 2018 9:55 AM
To: Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: Sharon Mullins Permit# WVG611874

Comments re: WVG611874 below.

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Thursday, December 6, 2018 8:36 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Subject: FW: Sharon Mullins Permit# WVG611874

Not sure who else needs to see this,

Thanks -

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <sssi27@yahoo.com>
Sent: Wednesday, December 5, 2018 1:22 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Sharon Mullins Permit# WVG611874

December 5, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins;

I have some additional concerns/questions to my letter dated December 3, 2018 regarding the TeMa Facility in Jefferson County, West Virginia. Along with my concerns to the building permit issues pertaining to the floodplain, water sheds, sinkholes and pollution, I am curious to the water-cooled extruders.

It is my understanding that three extrusion lines equipped with electrical resistance heat, that can reach a melting temperature of about 480° Fahrenheit, will be operating in this facility and that the product will be water cooled on rollers. The unanswered and disturbing question is where is all this extremely hot water going? Is this a part of the storm water permit request or part of a sewer request? I am not able to locate how and where the water is going to go within the permitting.

Is this actually being requested as a Class V injection well? If so, this requires a different public comment procedure to enhance the previous comments and request as noted above.

I reserve the right to make further comment on this issue due to the fact that I don't have all the technical information. I would appreciate that information being forward to me.

Respectfully submitted,

David Tabb

107 Tabb Lane

Harpers Ferry, WV 25425

Burch, Patrick D

From: Bosley, Jon M
Sent: Tuesday, December 11, 2018 3:08 PM
To: Burch, Patrick D
Subject: FW: Jefferson County Development Authority NPDES Permit WVG611874
Attachments: TeMaLetter.pdf

--Jon Michael
--Stormwater Permitting Supervisor

From: Mullins, Sharon A
Sent: Tuesday, December 11, 2018 3:02 PM
To: Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: Jefferson County Development Authority NPDES Permit WVG611874

Comments

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Friday, December 7, 2018 3:16 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Cc: Maguire, Edward F <Edward.F.Maguire@wv.gov>
Subject: FW: Jefferson County Development Authority NPDES Permit WVG611874

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: Katelyn Walters <katelyn@potomacaudubon.org>
Sent: Friday, December 7, 2018 3:08 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Jefferson County Development Authority NPDES Permit WVG611874

Ms. Mullins,

Attached are comments on behalf of the Potomac Valley Audubon Society regarding the NPDES Permit WVG611874 for the TeMa facility.

Thank you,
Katelyn "KC" Walters
Land and Conservation Manager
Potomac Valley Audubon Society
(304) 283-7319



Potomac Valley Audubon Society

www.PotomacAudubon.org | P.O. Box 578, Shepherdstown, WV 25443 | 304-676-3397

To: West Virginia Department of Environmental Protection
From: Potomac Valley Audubon Society
Re: Jefferson County Development Authority NPDES Permit WVG611874

The Potomac Valley Audubon Society (PVAS) has served Berkeley, Jefferson and Morgan Counties in West Virginia since its founding in 1982 as a chapter of the National Audubon Society. We currently have 828 household members; 301 of those households are located in Jefferson County. Our mission is “preserving, restoring, and enjoying the natural world through education and action.” The organization provides leadership in environmental, conservation, and natural history concerns in our region. We manage four nature preserves in the Eastern Panhandle totaling over 500 acres, provide science education to over 8,000 school children annually, serve children in our community through our nature camp programs, and offer adult programs focused on natural history. We participate in efforts to save natural habitat locally and in other areas of WV and provide assistance to citizens in monitoring conservation actions in our community.

The TeMa facility in Burr Industrial Park would set a dangerous and unnecessary precedent for water pollution in Jefferson County. Placement of a heavy industry and a new major source of water pollutants in the heart of Jefferson County goes against our mission. We want to see drinking water quality and aquatic habitats preserved so that the residents of the county, particularly children, can enjoy the outdoors in a healthy environment.

Our main concerns stem from:

1. **Threats to Drinking Water Quality:** PVAS is concerned that pollutants such as zinc and plastic pellets, originating at the TeMa facility will contaminate ground water and wells. This facility is located within the wellhead protection area for Walnut Grove Utilities, a half a mile from North Jefferson Elementary Wellhead Protection Area, and 1.5 miles from Harpers Ferry Water Works’ zone of Critical Concern. The facility is also located on karst terrain, which is highly susceptible to sinkholes, increasing the chances of potential groundwater contamination.
2. **Threats to Streams, Wetlands, and Rare Marl Marshes:** PVAS is also concerned that the zinc and plastic pellet pollutants originating at the TeMa facility will contaminate streams and wetlands resulting in habitat degradation. The potential impact is loss of critical wetland and riparian habitat for threatened and endangered species of plants and other forms of wildlife.
3. **Threats to Endangered, Threatened, and Rare Species:** In addition to the twenty-seven rare species found in our local marl marshes, there is one federally-listed Threatened Species identified in Jefferson County: the Madison Cave Isopod. This isopod, a small crustacean that lives in groundwater, has been documented in three locations in Jefferson County including two sites near TeMa. There are other species of great concern found in streams, marshes, fields and ridges in our area. For example, the WVDNR identified several “High Quality and State Mussel Streams” in Jefferson County including Evitts Run, Bullskin Run, Elks Run, and Long Marsh Run. The USFWS and the WVDNR also maintain lists of species of concern. The Baltimore Checkerspot butterfly and Sedge Wren have also been identified at our Cool Spring Preserve, and are both conservation species of concern. As far as we know, TeMa has not investigated the environmental impact that its proposed water pollutants will have on these species of concern.

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and the Combined Federal Campaign (#29061).*



Page 2

In light of these threats, and the fact that TeMa has not fully investigated the potential environmental impacts that we mention, we urge you to reject NPDES Permit WVG611874 for the TeMa facility.

Thank you for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Suzanne Offutt". The signature is written in black ink and is positioned above the typed name.

Suzanne Offutt,
Board President

*A proud partner of the United Way of the Eastern Panhandle
and the Combined Federal Campaign (#29061).*



Burch, Patrick D

From: Mullins, Sharon A
Sent: Tuesday, December 18, 2018 10:44 AM
To: Burch, Patrick D; Kanehl, Michael K; 'barbara_douglas@fws.gov'; Ivey, Walter M; 'susan.a.porter@usace.army.mil'; Pierce, Susan M; janejones@jcda.net
Cc: Hancock, Billie S
Subject: Draft Public Hearing, WVG611874
Attachments: Public Hearing, WVG611874.doc

Jefferson County Development Authority
PO Box 237
Charles Town, WV 25414

Your forms for General Permit Registration Permit# WVG611874 have been found to be complete.

For your information, the public hearing 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 26th day of December 2018 in the Spirit of Jefferson newspaper.

Within twenty (20) days after publication of the public hearing 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
601 57th Street SE
Charleston, WV 25304-2345
Attention: Sharon Mullins

Attached is the public hearing notice. If you have any questions, please do not hesitate to contact this office at 304-926-0499 ext 1132 or e-mail me at Sharon.A.Mullins@wv.gov. Thank you,

Sharon A. Mullins

WV DEP - Division of Water & Waste Mgmt
601 57th St. SE
Charleston, WV 25304-2345
Phone# (304) 926-0499 Ext 1132
Sharon.A.Mullins@WV.Gov

Notice of Public Hearing

A public hearing has been scheduled for Jefferson County Development Authority, 431 W. 2nd Avenue Kearneysville, WV 25430 (WVG611874).

The purpose of the hearing is to take additional comments on the draft permit registration for operation of the facility.

The hearing has been scheduled from 6 to 8 p.m. on Wednesday, January 30, 2019 at the:

**Ranson Civic Center
431 W. 2nd Avenue
Ranson, WV 25438**

The public notice for this draft permit was published in The Spirit of Jefferson on November 7, 2018, and the comment period ended December 7, 2018.

Oral and written comments will be accepted at the hearing. After the public hearing, the comment period will be extended until 5 p.m. on Sunday, February 9, 2019.

A copy of the draft permit can be obtained by calling Sharon Mullins, Division of Water & Waste Management, (304) 926-0499, ext. 1132; or e-mail her at Sharon.A.Mullins@wv.gov.

Burch, Patrick D

From: Mullins, Sharon A
Sent: Tuesday, December 18, 2018 7:23 AM
To: Bosley, Jon M
Cc: Burch, Patrick D
Subject: FW: Attn: Ms. Mullins Permit #WVG611874
Attachments: Appendix-IV-Endangered-Species-Act-Review.pdf; cave-71-03-193.pdf

Comments attached.

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Monday, December 17, 2018 10:26 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Subject: FW: Attn: Ms. Mullins Permit #WVG611874

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <sssi27@yahoo.com>
Sent: Monday, December 17, 2018 9:19 AM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Attn: Ms. Mullins Permit #WVG611874

David Tabb
107 Tabb Lane
Harpers Ferry, WV 25425
(304) 676-5976
SSSI27@Yahoo.com

December 17, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins,

I, David Tabb, through my research, I have found additional information (see attachment) that I believe is required for Permit #WVG611874, to be submitted to the US Fish and Wildlife Service before application of permit.

If you have any questions, please call or email me. The Madison Cave Isopod existence depend on it. That's right, it's the law.

Sincerely,



David Tabb

APPENDIX IV

Endangered Species Act Guidance and Eligibility Criteria

A. Background

In order to meet its obligations under the Clean Water Act and the Endangered Species Act (ESA), and to promote the goals of those Acts, the Environmental Protection Agency (EPA) is seeking to ensure the activities regulated by the NCCW General Permit do not adversely affect endangered and threatened species or critical habitat. Facilities applying for permit coverage must assess the impacts of their dewatering discharges and discharge-related activities on federally listed endangered and threatened species (“listed species”) and designated critical habitat (“critical habitat”) to ensure that those goals are met. For the purposes of this appendix, “discharge related activities” include: activities which cause, contribute to, or result in point source dewatering discharges; and measures including the siting, construction and operational procedures to control, reduce or prevent water pollution.

Prior to obtaining general permit coverage, applicants must meet the ESA eligibility provisions of this permit by following the steps in this appendix. EPA strongly encourages applicants to begin this process at the earliest possible stage to ensure the notification requirements for general permit coverage are complete upon Notice of Intent (NOI) submission.

Facilities seeking coverage also have an independent ESA obligation to ensure that their activities do not result in any prohibited “take” of listed species¹. The term “take” is used in the ESA to mean harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in any such conduct. “Harm” is further defined to include significant habitat modification or degradation that results in death or injury to listed species by significantly impairing essential behavioral patterns including breeding, feeding, or sheltering. “Harass” is defined as intentional or negligent actions that create the likelihood of injury to listed species to such an extent as to significantly disrupt normal behavior patterns which include, but are not limited to, breeding, feeding, or sheltering.

Many of the measures required in the Dewatering General Permit and this appendix to protect species may also assist in ensuring that the applicant’s activities do not result in a prohibited take of species in violation of section 9 of the ESA. If the applicant has plans or activities in an area where endangered and threatened species are located, they may wish to ensure that they are protected from potential take liability under ESA section 9 by

¹ Section 9 of the ESA prohibits any person from “taking” a listed species unless: (1) the taking is authorized through an “incidental take statement” as part of completion of formal consultation according to ESA section 7; (2) where an incidental take permit is obtained under ESA section 10 (which requires the development of a habitat conversion plan; or (3) where otherwise authorized or exempted under the ESA. This prohibition applies to all entities including private individuals, businesses, and governments.

obtaining an ESA section 10 permit or by requesting formal consultation under ESA section 7. Applicants that are unsure whether to pursue a section 10 permit or a section 7 consultation for takings protection should confer with the appropriate United States Fish and Wildlife Service (USFWS)² office or the National Marine Fisheries Service (NMFS), jointly referred to as the Services.

The following are species of concern in Massachusetts and New Hampshire related to the Endangered Species Act:

Massachusetts (13)

Dwarf wedgemussel (*Alasmidonta heterodon*)
Northeastern bulrush (*Scirpus ancistrochaetus*)
Sandplain gerardia (*Agalinis acuta*)
Piping Plover (*Charadrius melodus*)
Roseate Tern (*Sterna dougallii*)
Northern Red-bellied cooter (*Pseudemys rubriventris*)
Bog Turtle (*Glyptemys mühlenbergii*)
Small whorled Pogonia (*Isotria medeoloides*)
Puritan tiger beetle (*Cicindela puritana*)
American burying beetle (*Nicrophorus americanus*)
Northeastern beach tiger beetle (*Cicindela dorsalis*)
Atlantic Sturgeon (*Acipenser oxyrinchus*)*
Shortnose Sturgeon (*Acipenser brevirostrum*)*

New Hampshire (10)

Dwarf wedgemussel (*Alasmidonta heterodon*)
Northeastern bulrush (*Scirpus ancistrochaetus*)
Jesup's milk-vetch (*Astragalus robbinsii* var. *jesupii*)
Piping Plover (*Charadrius melodus*)
Roseate Tern (*Sterna dougallii*)
Karner Blue Butterfly (*Lycaeides melissa samuelis*)
Canada Lynx (*Lynx Canadensis*)
Small whorled Pogonia (*Isotria medeoloides*)
Atlantic Sturgeon (*Acipenser oxyrinchus*)*
Shortnose Sturgeon (*Acipenser brevirostrum*)*

*These species are listed under the jurisdiction of NMFS, all others are listed under the jurisdiction of USFWS.

Any facility seeking coverage under the Dewatering General Permit must consult with the Services. EPA may designate the applicants as non-Federal representatives for the general permit for the purpose of carrying out formal or informal consultation with the Services. By terms of this permit, EPA has automatically designated operators as non-Federal representatives for the purpose of conducting formal or informal consultations. (See 50 CFR §402.08 and §402.13).

When listed species are present, permit coverage will only be available if EPA determines, or the applicant determines and EPA concurs, that the discharge and related activities will have “no affect” on the listed species or critical habitat, or the applicant determines that the discharge and related activities are “not likely to adversely affect” listed species or critical habitat and formal or informal consultation with the Services has been concluded and results in written concurrence by the Services that the dewatering discharge and related activities are “not likely to adversely affect” an endangered or threatened species or critical habitat.

² Discharges to marine waters may require consultation with the National Marine Fisheries Service instead.

B. ESA Eligibility Criteria for the U.S. Fish and Wildlife Service

Before submitting a notice of intent (NOI) for coverage under this permit, applicants must determine whether they meet the ESA eligibility criteria by following the steps in Sections B and C of this Appendix. Applicants that cannot meet the eligibility criteria in Sections B and C must apply for an individual permit.

The USFWS ESA eligibility requirements of this permit relating to the Dwarf wedgemussel, Northeastern bulrush, Jesup's milk-vetch, Sandplain gerardia, Piping Plover, Northern Red-bellied cooter, Bog Turtle, Small whorled Pogonia, Roseate Tern, Canada Lynx, Puritan tiger beetle, Northeastern beach tiger beetle, American burying beetle, and Karner Blue Butterfly may be satisfied by documenting that one of the following criteria has been met:

USFWS Criterion A:No endangered or threatened species or critical habitat are in proximity to the discharges or related activities.

USFWS Criterion B:Formal or informal consultation with USFWS under section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by USFWS on a finding that the discharges and related activities are "not likely to adversely affect" listed species or critical habitat (informal consultation).

USFWS Criterion C:Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the applicant and affirmed by EPA, that the discharges and related activities will have "no affect" on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the USFWS.

Steps to Determine if the USFWS ESA Eligibility Criteria Can Be Met

To determine eligibility, you must assess the potential effects of your discharges and related activities on listed species or critical habitat, PRIOR to completing and submitting a Notice of Intent (NOI). You must follow the steps outlined below and document the results of your eligibility determination.

The USFWS Information, Planning, and Conservation (IPaC) online system can be used to develop a preliminary determination of federally listed species or designated critical habitats within the action area of your discharge and related activities. Further information on IPaC is available on the Fish and Wildlife Services' website at <http://ecos.fws.gov/ipac/>. Instructions for using IPaC are available in an attachment to this Appendix (end of document).

Step 1 – Determine if you meet USFWS Criterion A:

You can certify eligibility, according to USFWS Criterion A, for coverage by this permit if, upon completing the IPaC online system process, you printed and saved the preliminary determination which indicated that federally listed species or designated critical habitats are not present in the action area.

If you have met USFWS Criterion A skip to Step # 4.

If you have not met USFWS Criterion A, go to Step # 2.

Step 2 – Determine if you meet USFWS Criteria B

You can certify eligibility according to USFWS Criteria B for coverage by this permit if you answer “Yes” to **all** of the following questions:

- 1) Does your action area contain one or more of the following species: Dwarf wedgemussel, Northeastern bulrush, Jesup’s milk-vetch, Piping Plover, Northern Red-bellied cooter, Bog Turtle, Roseate Tern, Puritan tiger beetle, and Northeastern beach tiger beetle? (IPaC system may be used to answer this question)
- 2) Did your assessment of the discharge and related activities indicate that they “may affect” or are “not likely to adversely affect” listed species or critical habitat? ³
- 3) Did you contact the USFWS and did formal or informal consultation result in either a “no jeopardy” opinion by the USFWS (for formal consultation) or concurrence by the USFWS that your discharge and related activities would be “not likely to adversely affect” listed species or critical habitat (for informal consultation)? ³
- 4) Do you agree to implement all measures upon which the consultation was conditioned?

Use the guidance below Step 3 to understand effects determination and to answer these questions.

If you answered “Yes” to all four questions above, you have met eligibility USFWS Criteria B. Skip to Step 4.

If you answered “No” to any of the four questions above, go to Step 3.

Step 3 – Determine if you meet USFWS Criterion C

USFWS Criterion C: You can certify eligibility according to USFWS Criterion C for coverage by this permit if you answer “Yes” to **either** of the following questions:

- 1) Does your action area contain one or more of the following species: Canada Lynx, Sandplain gerardia, Small whorled Pogonia, Karner Blue Butterfly, and/or

³ See USFWS Effects Determination Guidance.

American burying beetle and does not contain any of the following species: Dwarf wedgemussel, Northeastern bulrush, Jesup's milk-vetch, Piping Plover, Northern Red-bellied cooter, Bog Turtle, Roseate Tern, Puritan tiger beetle, and Northeastern beach tiger beetle? ⁴

- 2) Did the assessment of your discharge and related activities and indicate that there would be "no affect" on listed species or critical habitat ⁵ and EPA provided concurrence with your determination?

Use the guidance below to understand effects determination and to answer these questions.

If you answered "Yes" to either question above, you have met eligibility USFWS Criterion C. Go to Step 4.

If you answered "No" to both of the questions above, you are not eligible for coverage by this permit. You must submit an application for an individual permit for your NCCW discharges. (See 40 CFR 122.21).

Step 4 - Document results of the Eligibility Determination

Once the USFWS ESA eligibility requirements have been met, you shall include documentation of USFWS ESA eligibility in your NOI. Documentation for the various eligibility criteria are as follows:

- USFWS Criterion A: A copy of the IPaC generated preliminary determination letter indicating that no listed species or critical habitat is present within your action area. You shall also include a statement on how you determined that no listed species or critical habitat are in proximity to your discharges.
- USFWS Criterion B: A dated copy of the USFWS letter of concurrence on a finding of "no jeopardy" (for formal consultation) or "not likely to adversely affect" (for informal consultation) regarding the ESA section 7 consultation.
- USFWS Criterion C: A copy of the IPaC generated preliminary determination letter indicating that the only listed species in your action area are the Canada Lynx, Sandplain gerardia, Small whorled Pogonia, Karner Blue Butterfly and/or American burying beetle. OR a dated copy of the EPA concurrence with the operator's determination that the discharges and related activities will have "no affect" on listed species or critical habitat.

USFWS Effects Determination Guidance:

⁴ EPA has considered the effects of dewatering discharges and related activities on the Canada Lynx, Sandplain gerardia, Small whorled Pogonia, Karner Blue Butterfly and American burying beetle and determined that discharges in compliance with the Dewatering general permit will have no effect on these threatened or endangered species.

⁵ See USFWS Effects Determination Guidance.

If you are unable to certify eligibility under USFWS Criterion A, you must assess whether your discharges or related activities “may affect”, will have “no affect” or are “not likely to adversely affect” listed species or critical habitat. “Discharge-related activities” include: activities which cause, contribute to, or result in point source dewatering discharges; and measures including the siting, construction and operational procedures to control, reduce or prevent water pollution. Please be aware that no protection from incidental take liability is provided under this criterion.

The scope of effects to consider will vary with each facility. If you are having difficulty in determining whether your discharge is likely to cause adverse effects to a listed species or critical habitat, you should contact the USFWS for assistance. In order to complete the determination of effects it may be necessary to follow the formal or informal consultation procedures in section 7 of the ESA.

Upon completion of your assessment, document the results of your effects determination. If your results indicate that discharges and related activities will have “no affect” on threatened or endangered species or critical habitat and EPA concurs with your determination, you are eligible under USFWS Criterion C of this Appendix. Your determination may be based on measures that you implement to avoid, eliminate, or minimized adverse effects.

If the determination is “May affect” or “not likely to adversely affect” you must contact the USFWS to discuss your findings and measures you could implement to avoid, eliminate, or minimize adverse effects. If you and the USFWS reach agreement on measures to avoid adverse effects, you are eligible under USFWS Criterion B. Any terms and/or conditions to protect listed species and critical habitat that you relied on in order to complete an adverse effects determination, must be attached to your NOI.

In order to be eligible for this permit, the Dewatering discharges must be uncontaminated as described in the permit. The only effects from dewatering discharges and related activities which could pose an adverse effect include:

- *Toxicity:* In some cases, chlorine from potable water sources could be a part of the dewatering discharge. The permit requires discharges containing chlorine to be at the water quality standard for the receiving water, however chlorine may have toxic effects on listed species.

If endangered species issues cannot be resolved: If you cannot reach agreement with the USFWS on measures to avoid or eliminate adverse effects, you are not eligible for coverage under this permit. You must seek coverage under an individual permit.

C. The ESA Eligibility Criteria for the National Marine Fishery Service

Listed species under the jurisdiction of NMFS are the Atlantic Sturgeon and the Shortnose Sturgeon. EPA has reviewed available data for facilities previously covered under the dewatering general permit and determined that the terms of the permit

adequately prevent adverse effects or the take of listed species and adverse effects on critical habitat due to limited duration of the discharge, the limited volume of the discharge and minimal pollutant loading. For facilities seeking coverage under the dewatering general permit, EPA will review the information provided in the NOI and determine whether there are likely to be adverse effects. Information that must be included in the NOI related to endangered species under the jurisdiction of NMFS:

- Whether the discharge is in a marine water
- Whether there has been any previous formal or informal consultation with NMFS, and the result of the consultation.

EPA's biological assessment of listed species and critical habitat in consultation with NMFS is available on the dewatering general permit website at: <http://www.epa.gov/region1/npdes/dewatering.html>

D. Submittal of Notice of Intent

Once the ESA eligibility requirements of Part B and C of this Appendix have been met, and you have determined NHPA eligibility (see Appendix III), you may submit the Notice of Intent. Signature and submittal of the NOI constitutes your certification, under penalty of law, of eligibility for permit coverage under 40 CFR 122.21.

E. Duty to Implement Terms and Conditions upon which Eligibility was Determined

You must comply with any terms and conditions imposed under the ESA eligibility requirements to ensure that your dewatering discharges and related activities do not pose adverse effects or jeopardy to listed species and/or critical habitat. If the ESA eligibility requirements of this permit cannot be met, then you may not receive coverage under this permit and must apply for an individual permit.

F. Services Information

United States Fish and Wildlife Service Office

National websites for Endangered Species Information:

Endangered Species home page: <http://endangered.fws.gov>

ESA Section 7 Consultations: <http://endangered.fws.gov/consultation/index.html>

Information, Planning, and Conservation System (IPAC):

<http://ecos.fws.gov/ipac/>

U.S. FWS – Region 5

Supervisor

New England Field Office

U.S. Fish and Wildlife Services

70 Commercial Street, Suite 300

Concord, NH 03301

National Marine Fisheries Service Office

Website: http://www.nmfs.noaa.gov/pr/species/esa_species.htm

National Marine Fisheries Service
Northeast Region, Protected Resource Division
Attn: Endangered Species Coordinator
One Blackburn Drive
Gloucester, MA 01930

Natural Heritage Network

The Natural Heritage Network comprises 75 independent heritage program organizations located in all 50 states, 10 Canadian provinces, and 12 countries and territories located throughout Latin America and the Caribbean. These programs gather, manage, and distribute detailed information about the biological diversity found within their jurisdictions. Developers, businesses, and public agencies use natural heritage information to comply with environmental laws and to improve the environmental sensitivity of economic development projects. Local governments use the information to aid in land use planning.

The Natural Heritage Network is overseen by NatureServe, the Network's parent organization, and is accessible online at: http://www.natureserve.org/nhp/us_programs.htm, which provides websites and other access to a large number of specific biodiversity centers.

New Hampshire Natural Heritage Inventory
Department of Resources & Economic Development
172 Pembroke Street, P.O. Box 30370
Concord, NH 03302
603.271.3623

APPENDIX IV- ATTACHMENT 1
U.S. Fish and Wildlife IPaC system instructions

Use the following protocol to determine if any federally listed species or designated critical habitats under USFWS jurisdiction exist in your action area:

Enter your project specific information into the “Initial Project Scoping” feature of the Information, Planning, and Conservation (IPaC) system mapping tool, which can be found at:

<http://ecos.fws.gov/ipac/>

- a. Indicate the action area⁶ for the facility by either:
 - a. Drawing the boundary on the map.
 - b. Uploading a shapefile.
 - c. Selecting the “State/county list” button and choosing your facility location.Select “Continue”.

- b. Select your project type from the dropdown menu on the Activities step. If you do not have a specific activity of concern, select “**Other**”. Select “Continue” to generate a preliminary species list.

- c. On the “Trust Resources List” step, you will be provided a list of natural resources of concern, which will include an Endangered Species Act Species list. On this page, select the “Request an Official Species List” and follow the directions indicated. You will be provided with a preliminary species list in pdf format for your facility. Retain a copy of this letter for your records.

⁶ The action area is defined by regulation as all areas to be affected directly or indirectly by the action and not merely the immediate area involved in the action (50 CFR §402.02). This analysis is not limited to the “footprint” of the action nor is it limited by the Federal agency's authority. Rather, it is a biological determination of the reach of the proposed action on listed species. Subsequent analyses of the environmental baseline, effects of the action, and levels of incidental take are based upon the action area.

The documentation used by a Federal action agency to initiate consultation should contain a description of the action area as defined in the Services' regulations and explained in the Services' consultation handbook. If the Services determine that the action area as defined by the action agency is incorrect, the Services should discuss their rationale with the agency or applicant, as appropriate. Reaching agreement on the description of the action area is desirable but ultimately the Services can only consult when an action area is defined properly under the regulations.

For dewatering discharges or discharge related activities, the action area should encompass the following:

- The immediate vicinity of, or nearby, the point of discharge into receiving waters.
- The path or immediate area through which or over which the discharge flows to the receiving water, including areas in the receiving water downstream from the point of discharge.

The action area will vary with the size and location of the outfall pipe, the nature and quantity of the discharges, and the type of receiving waters, among other factors.

EFFECTIVENESS AND ADEQUACY OF WELL SAMPLING USING BAITED TRAPS FOR MONITORING THE DISTRIBUTION AND ABUNDANCE OF AN AQUATIC SUBTERRANEAN ISOPOD

BEN HUTCHINS¹ AND WILLIAM ORNDORFF^{*2}

Abstract: Land-use practices in karst can threaten aquatic subterranean species (stygobionts). However, since their habitat is mostly inaccessible, baseline ecological data such as distribution and population size are not known, making monitoring and risk assessment difficult. Wells provide easy and inexpensive access for sampling subterranean aquatic habitats. Over three years, including a two-month period of intensive sampling, the authors sampled sixteen wells (ten repeatedly) in Jefferson County, West Virginia, USA, for a threatened stygobiont, the isopod crustacean *Antrolana lira* Bowman, in two areas where the species was known to occur. *A. lira* was collected during 21 of 54 sampling events. *A. lira* was collected from 6 wells in which a total of 31 of the sampling events took place. Borehole logs suggest that only these 6 wells intersected appropriate habitat. Using the binomial approximation, the authors conclude that a random well has a 29% to 91% chance of intersecting appropriate habitat. In a well that intersects appropriate habitat, a single sampling event has a 51% to 85% chance of successful capture. The species occurs heterogeneously throughout the aquifer both in space and time, and thus, repeated sampling of multiple wells is needed to confidently establish presence or absence. In a contiguous block of phreatic carbonate-aquifer habitat analogous to that in the study area, at least 6 wells need to be sampled at least one time each to determine absence or presence of *A. lira* with 95% confidence. Additional studies with larger sample size would better constrain confidence intervals and facilitate refinement of minimum sampling requirements. In one well that consistently yielded from 8 to 19 animals, the population was estimated by mark-recapture methods. The limited data only allowed a very rough result of 112.3 ± 110 (95% CI) individuals. Successful recapture suggests that animals are largely stationary when a food source is present. Animals were collected at depths below the water surface from <1m (hand-dug well and cave) to ~ 30 meters in drilled wells. No migration of animals between wells was observed.

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INTRODUCTION

The Shenandoah Valley of West Virginia and Virginia is a karst landscape experiencing rapid population growth. Agricultural and urban modification of karst landscapes can lead to contamination and drawdown of karst aquifers, potentially threatening stygobionts (species limited to subterranean aquatic habitats). However, population sizes, ranges, and the distribution of individuals within aquifers is not known for many species, making monitoring and assessment of populations difficult. As international recognition of the significance of groundwater fauna grows, various methods are being developed and tested to sample groundwater habitats and develop predictive models to better understand stygobiont distributions, patterns of abundance, and autecological data (Castellarini et al., 2007, Dole-Oliver et al., 2007, Eberhard et al., 2007, Hancock and Boulton, 2007). For threatened and endangered stygobionts, these

data are even more important. The paucity of basic ecological data for most stygobiont species can primarily be attributed to the challenges associated with sampling subterranean habitats. Caves, springs, and wells where biological sampling of karst aquifers is possible are small, isolated points of access into a potentially extensive, complex habitat.

For the majority of stygobionts and troglobionts in the United States, distributional data and population-size estimates have been based on collection efforts in caves (Culver et al., 2003; Fong et al., 2007; Krejca, 2004), while other access points to subterranean habitats, such as springs and wells, have been sampled less thoroughly. However, a large amount of literature demonstrates that

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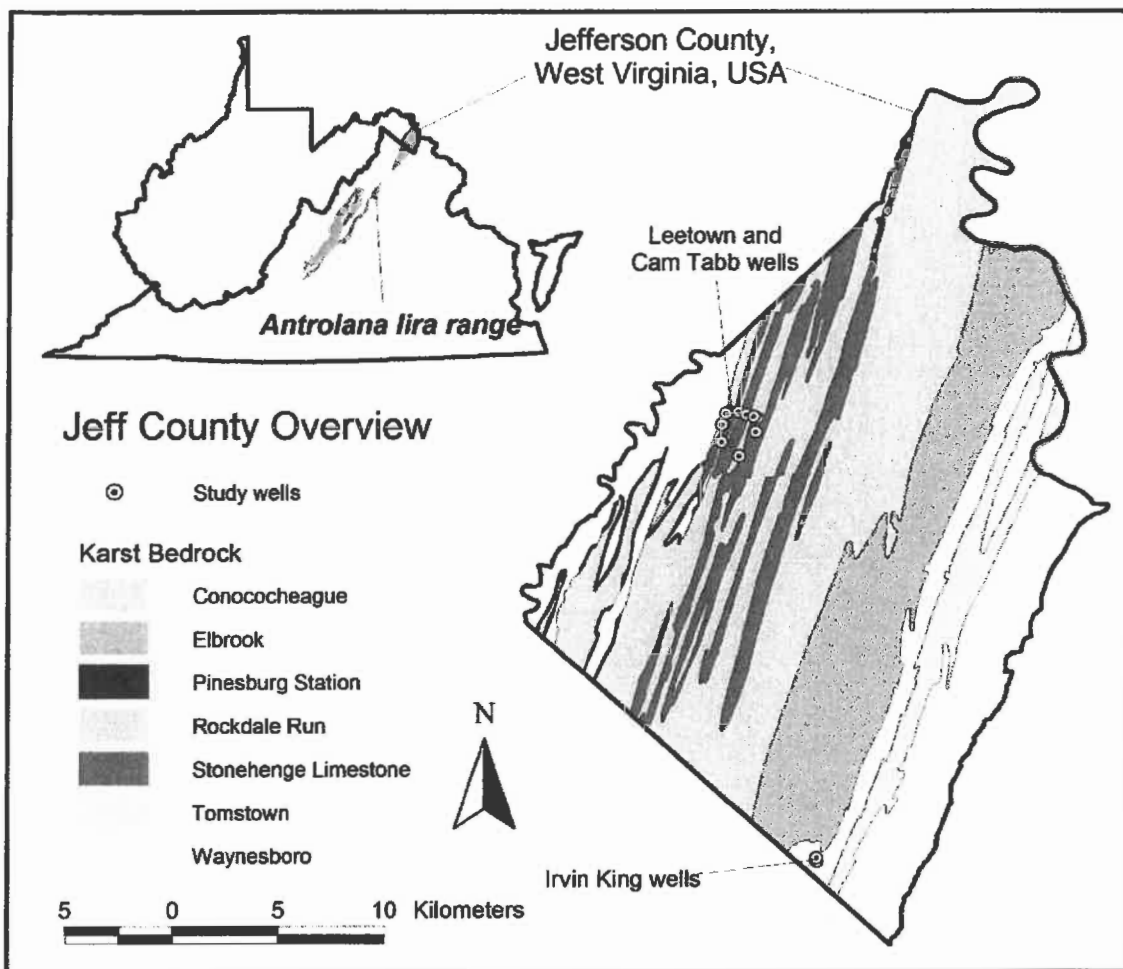


Figure 1. Project location with wells and geology.

wells can be important sampling sites for stygobionts inhabiting the phreatic zone (the saturated zone) in many types of aquifers, including karst (Allford et al., 2008; Culver and Sket, 2000; Eberhart et al., 2007; Hershler and Longley, 1986; Holsinger and Longley, 1980; Malard et al., 1997; Malard and Simon, 1997; Watts and Humphreys, 2003). For carnivorous taxa including amphipods, isopods, and planarians, baited traps can be used (Ginet and Décou, 1977) as an effective and inexpensive, albeit qualitative, sampling method. Wells are more easily accessed than groundwater in caves and are, in some areas, more numerous. This is especially true for the northern Shenandoah Valley, where surface expression of karst is minimal and few known caves extend to the water table.

In 2000, a population of the phreatic stygobiont crustacean *Antrolana lira* was discovered in a small cave in Jefferson County, West Virginia, extending the known range of the federally threatened species 50 km to the northeast. Potential degradation of the phreatic aquifer in this region has prompted concern from the U.S. Fish and Wildlife Service, but baseline ecological data, such as distribution,

are needed to assess risk and implement recovery recommendations developed for the species (Fong, 1996).

Here, we present the results of a well sampling effort in Jefferson County, West Virginia, at the north end of *A. lira's* range. This effort included one sampling event in May 2005, one in July 2006, and several over a three-month period during the summer of 2007. Results are used to assess the effectiveness of well sampling for determining presence or absence for *A. lira*. The proportion of wells that intersect habitat where *A. lira* is present was calculated, along with 95% confidence intervals. Furthermore, the probability of capturing *A. lira* at wells where the species is present was also calculated, along with associated 95% confidence intervals. Several wells were sampled simultaneously at multiple depths corresponding to water-bearing fractures or voids to investigate the vertical distribution of the species in these wells. At one well, animals were marked and recaptured to estimate population size. These data are used to develop some preliminary guidelines for future well sampling in other parts of the species range and for efforts targeting other species.

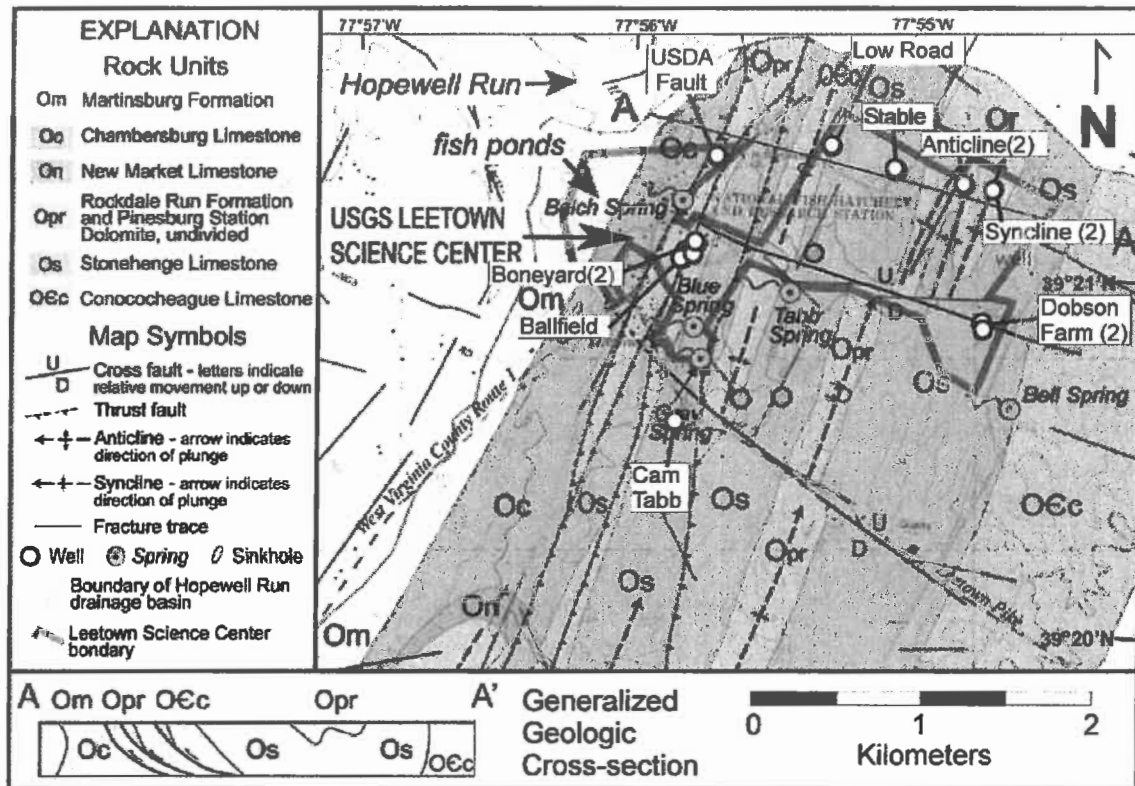


Figure 2. Leetown Science Center wells with topography and geology (modified from Kozar et al., 2007a).

METHODS

SAMPLING METHODOLOGY

Seventeen wells were sampled between July 1, 2007, and September 3, 2007. Four of these wells were sampled a single time, and the remaining thirteen wells were sampled between two and seven times. Data from a single sampling event in May 2005 and another in July 2006 were also used for analysis. Wells were located in the karst of Jefferson County, West Virginia, on private property or federal land (Fig. 1). The study area lies within a single contiguous habitat block, here defined as a block of carbonate bedrock bounded by a combination of non-carbonate rocks and base-level streams receiving discharge from the aquifer. The contiguous habitat block involved in this study is bounded to the east and south by the Shenandoah River, to the north by the Potomac River, and to the west by the Martinsburg shale. Analysis of the mitochondrial *COI* gene in *Antrolana lira* by Hutchins et al. (2010, in press) showed that animals from sites distributed across this bedrock block constitute a single genetic population. Three types of wells were sampled: hand-dug wells, potential production wells, and monitoring wells. Hand-dug wells were usually wide (1 m or more in diameter) and shallow (less than 10 m deep). Potential production wells and monitoring wells had ~15-cm-diameter well casings. All but two of the wells were located on or immediately adjacent to the USGS Leetown Science Center in west-central

Jefferson County (Fig. 2) and had been the subject of prior intensive geohydrological investigations (Kozar et al., 2007a; Kozar et al., 2007b). This earlier work provided an unusual amount of detail in terms of the physical characteristics, hydrological properties, and geological setting of the wells used in this study, as summarized in Table 1.

Wells were sampled with a baited trap modified from Boutin and Boulanouar (1983). Baited traps were chosen for this study because they have a history of effective recovery of *A. lira*, as well as numerous other crustacean stygobionts (Collins and Holsinger, 1981; Fong, 2007). Traps were constructed using a 23-cm-long, 1.54-cm-diameter PVC pipe with a cap at the bottom. This narrow design was less likely to get lodged in the well than wider designs. Eight 8-mm holes were drilled around the top six inches of the trap. A piece of raw shrimp, wrapped in pantyhose to minimize ingestion by stygobionts, was used as bait. Traps were lowered into wells using kite string or nylon cord. A surveying tape was used to lower traps to arbitrary depths or to depths corresponding to water-bearing fractures identified in Kozar et al. (2007b). Traps were left for 20 to 28 hours. After animals were counted and possibly marked, they were released using a "release trap" made from a short length of 1.54-cm-diameter PVC pipe (Fig. 3). A piece of panty hose was secured around the bottom opening in the pipe using a rubber band. At the other end, a string was attached for lowering the trap into the well. Traps were

Table 1. Characteristics of wells sampled in study (adapted from Kozar et al, 2007b).

Well Name	Depth, m	Geology	Soil Thickness, m	Regolith Thickness, m	Top of Bedrock, m	Casing Depth, m	Well Diameter, m	Yield, L min ⁻¹
Lower Road	125	SH	6.7	1.2	7.9	11.3	15.24	68
Stable Piez	14	SH	3.8	N/A	3.8	11.3	7.62	132
Ball Field	49	RR	3.0	0.0	3.0	11.7	15.24	19
Ball Field Piez	0	RR	...	0.0	...	...	15.24	...
Boneyard Upper	34	RR	4.3	0.0	4.3	13.1	15.24	151
Boneyard Lower	28	RR	3.0	2.0	5.0	5.8	15.24	379
Cam Tabb	~10	SH	...	...	...	N/A	>100	...
USDA Fault	61	RR	1.2	0.0	1.2	29.9	15.24	1135
Syncline	67	RR	3.7	4.9	8.5	28.3	15.24	1135
Syncline Piez	24	RR	5.0	0.5	5.5	18.0	7.62	379
Anticline	79	RR	6.1	1.5	7.6	11.7	15.24	76
Anticline Piez	13	RR	7.3	0.0	7.3	9.4	7.62	26
Irvin King #1	53	WE	...	...	...	...	15.24	38
Irvin King #2	38	WE	...	...	...	...	15.24	57
Old Dodson	19	SH	...	...	...	6.1	15.24	...
New Dodson	51	SH	...	...	...	11.7	15.24	...

Geology: SH – Stonehenge Formation, RR – Rockdale Run Formation, WE -Waynesboro-Elbrook Formations

lowered slowly through the water column until reaching the approximate depth at which the animals were captured, at which point the trap was repeatedly lifted and dropped (causing water to flow through the pipe, dislodging the panty hose and the animals).

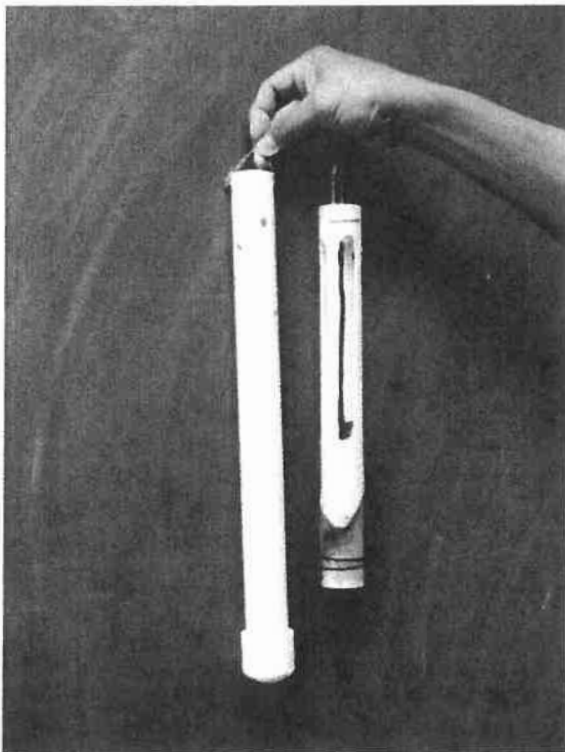


Figure 3. Capture and release traps.

CAPTURE PROBABILITIES

Data on the capture rates of *A. lira* were used to estimate both the success rate at wells where *A. lira* was captured at least once and the proportion of wells in the contiguous habitat block that intersect habitat where *A. lira* are present. Days when multiple traps were used in a single well at different depths were treated as single sampling events, with capture of *A. lira* in one or more traps constituting a positive result.

By approximating capture data as a binomial approximation to the normal distribution, the standard deviation σ_p of capture rates was calculated using

$$\sigma_p = \sqrt{\frac{p(1-p)}{n}} \quad (1)$$

where n is the number of trials and p is the success rate (Lichter, 1999). Standard deviation σ was then used to approximate 95% confidence intervals ($p \pm 2 \sigma$, Ott and Longnecker, 2001).

The probability of capture during a single sampling event at a well n in an area where a target species is present was calculated by

$$P_{capture,n} = P_{habitat,n} \times P_{success,n} \quad (2)$$

where $P_{habitat}$ is the probability that the well intersects habitat where *A. lira* is present, and $P_{success}$ is the probability that a single sampling event in a well that intersects such habitat will result in capture. The standard deviation of the product was calculated using conventional error-propagation calculations as described in Lichten (1998).

The minimum number of sampling events T needed to determine if the species was present in an individual well

Table 1. Extended.

Depths to Water Bearing Features, m						Depth to Water (7/2003–10/2005)				
						Mean	S.D.	Min.	Max.	Range
35.1	113.4	121.6	...	...	...	14.1	0.50	12.8	14.8	2.0
...	...	...	...	...	...	10.5	0.85	8.8	11.7	2.9
10.7	...	...	...	...	...	6.0	0.53	4.7	7.2	2.5
...
16.8	20.4	...	...	...	...	6.3	0.37	5.5	7.1	1.7
10.4	14.9	19.8	21.6	23.8	...	5.5	0.41	4.6	6.5	1.9
...
9.4	14.3	18.6	35.1	39.9	47.2	5.2	0.28	4.7	6.0	1.2
12.5	31.1	43.3	...	...	...	4.3	1.02	2.4	6.1	3.6
7.6	21.3	...	...	...	...	3.3	0.97	3.6	7.1	3.5
8.8	41.8	51.8	76.2	...	...	5.9	0.99	4.1	7.6	3.5
7.3	...	...	...	...	...	5.5	0.97	3.6	7.1	3.5
...
...
...	...	...	...	...	...	2.7	0.54	1.7	4.3	2.5
...

and the number of wells W that needed to be sampled to determine if the species was present in an area were calculated from the probability of encountering all negative results after a number of trials N using

$$P_{neg,N} = (1 - P_{pos})^N \tag{3}$$

where $P_{neg,N}$ is the probability of all negative results after N trials and P_{pos} is the probability of a positive result (assumed constant) for any individual trial. For multiple sampling events at a single well, $N = T$ and $P_{pos} = P_{success}$. For a single sampling event at multiple wells in a contiguous habitat block, $N = W$ and $P_{pos} = P_{capture}$. When $P_{neg,N} = 0.05$ after N trials, this means there is only a 5% chance of no positive results (i.e., a false negative) if a species was present in an area. Conversely, this means that there is a 95% chance that all negative results after N trials constitutes a true negative, in our case, no animals present. Plugging in the certainty value of 0.05 and solving for N produces

$$N = \frac{\ln(0.05)}{\ln(1 - P_{pos})} \tag{4}$$

In general, a species may be absent from a well either because it is not present in the area or because the well does not intersect appropriate habitat. Since this study was confined to a contiguous habitat block where the species is present, a consistently negative result within any individual well most likely reflects a failure to intersect appropriate habitat.

VERTICAL DISTRIBUTION

Eight wells were chosen to study the vertical distribution of *A. lira* based on their water yields and the existence of data on the depths of water-bearing fractures or voids (Kozar et al., 2007b). Depending on the number of reported water bearing features in each well, from two to six traps were placed at depths corresponding to these features. In addition to these eight wells, four wells for which no data about water bearing voids was known (Irvin King #1, Irvin King #2, Old Dodson, New Dodson) were sampled. For these wells, traps were placed at 7.6-m intervals starting at the bottom of the well.

POPULATION-SIZE ESTIMATION

At one well, animals were marked and recaptured to estimate population size. Trapped animals were stored in cool spring water on site for mark and release. To mark animals, we first patted the animal's dorsal surface with a napkin before using a Sharpie brand marker to make an identifiable mark. Population size was estimated using a weighted mean method (Begon, 1979). This method is similar to the traditional Peterson estimate, but employs data from more than one sampling event and uses the equation

$$\hat{N} = \frac{\sum n_i M_i}{\sum m_i + 1} \tag{5}$$

where n_i is the number of individuals caught on sampling day i , m_i is the number of individuals collected on day i that are already marked. $M_i = (r_2 - m_2) + (r_3 - m_3) \dots + (r_i - m_i)$, where r_i represents the total number of animals marked and released on the indicated days, including those captured that had

Table 2. Summary of sampling results for Madison Cave Isopod (*Antrolana lira*).

Site Name	5/5/2005	7/8/2006	7/1/2007	7/8/2007	7/15/2007	7/29/2007	8/17/2007	8/26/2007	9/3/2007
Lower Road Well	0	...	0	...	...	...	...	...	...
Stable Piezometer	0	...	0	...	...	...	...	...	...
Ball Field Well ^a	1	...	...	0	...	...	0	0	...
Ball Field Piezometer	...	...	0	...	...	...	...	...	...
Boneyard Upper Well	...	...	0	...	...	...	...	...	...
Boneyard Lower Well	...	...	0	...	...	...	...	...	...
Cam Tabb Well ^a	...	68	1	7	1	...	2	2	5
USDA Fault Well ^a	0	...	0	...	...	2	1	...	...
Syncline Well ^a	0	...	2	1	0	1	0	1	...
Syncline Piezometer	...	...	0	...	...	0	...	...	0
Anticline Well	0	...	0	...	...	0	...	0	0
Anticline Piezometer	...	...	...	...	...	...	...	...	0
Irvin King #1 Well ^a	...	0	...	...	...	...	...	0	2
Irvin King #2 Well ^a	...	20	8	20	13	12	9	...	...
Old Dodson Well	0	...	...	0	...	...	...	0	0
New Dodson Well	...	...	...	0	...	...	...	0	0

^a Captured well.

previously been marked. The standard error is calculated using

$$SE_{\hat{N}} = \hat{N} \sqrt{\frac{1}{\sum m_i + 1} + \frac{2}{(\sum m_i + 1)^2} + \frac{6}{(\sum m_i + 1)^3}} \quad (6)$$

RESULTS

Fifty-four sampling events were performed at a total of 18 wells (Table 2). Six wells, referred to as capture wells, yielded *Antrolana lira* at least once. The physical and hydrological characteristics of these wells are summarized in Table 1. Of all the sampling events at capture wells, individuals were captured 21 out of 31 sampling events (68%). Ten wells were sampled between three and seven times to accumulate data on the temporal variation in the presence and abundance of species collected. Table 2 shows results of all sampling events performed during this study. Days when multiple traps were placed in a well on the same day were treated as a single sampling event. Figure 4 illustrates the variation over time of capture rates at each well in which *Antrolana* was captured at least once.

Positive capture rates at wells where *A. lira* was captured at least once ranged from 25% to 100%. In the two wells with relatively high numbers of individuals, Cam Tabb and Irvin King #2, *A. lira* was present 100% of the time. In the other four capture wells, a maximum of two animals were captured during any single sampling event. Furthermore, each of these wells had at least one sampling event in which no animals were captured.

CAPTURE PROBABILITY RESULTS

The probability of success at capture wells was estimated at $P_{success} = 0.68 \pm 0.08$, with 95% confidence intervals of $0.51 < P_{success} < 0.85$. Applying Equation (4) to the results for $P_{success}$, the minimum number of sampling events at a well to determine whether it intersects habitat, based on successful capture during one or more event, is three ($T = 2.63$) using the predicted value of $P_{success}$, and five ($T = 4.2$) based on the lower end of the 95% confidence interval. The criteria for use of the binomial approximation as described in Ott and Longnecker (2001) are met for $P_{success}$.

Wells within the study area sampled three or more times can then be used to estimate the habitat intersection rate $P_{habitat}$. *A. lira* was captured at least once in 6 of the 10 wells sampled 3 or more times, resulting in $P_{habitat} = 0.60 \pm 0.16$. Within 95% confidence limits, $0.29 < P_{habitat} < 0.91$.

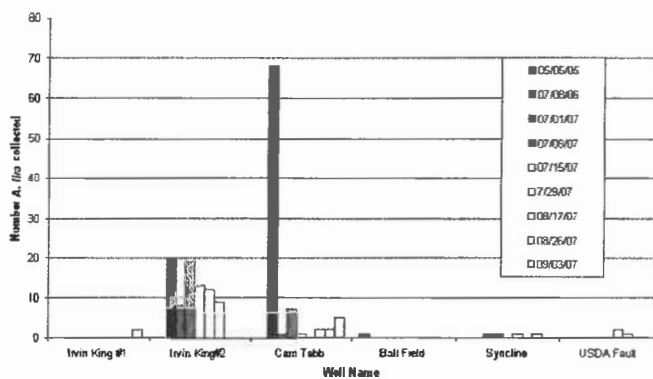


Figure 4. Capture rate variation at wells where *Antrolana lira* was collected at least one time.

Table 3. Vertical distribution of Madison Cave Isopod (*Antrolana lira*) in wells.

Well Name	Depth (m)	Number of Individuals by Date Sampled			
		7/29/2007	8/17/2007	8/26/2007	9/3/2007
USDA Fault	9	0	0	...	...
	14	0	0	...	...
	19	0	0	...	...
	35	2	0	...	...
	40	0	1	...	...
	47	0	0	...	...
Syncline	12	0	0	0	...
	31	1	0	1	...
	43	0	0	0	...
Irvin King #1	15	...	...	0	0
	24	...	...	0	2
	37	...	...	0	0
Irvin King #2	23	0	0	...	...
	30	0	0	...	...
	38	10	0	...	...
	44	2	9	...	...

Applying Equation (4), the minimum number of wells necessary to sample to ensure intersection of habitat is four ($W = 3.27$) for the predicted value of $P_{habitat}$, and nine at the lower end of the 95% confidence interval ($W = 8.75$). The low number of wells (ten) sampled enough times to determine $P_{habitat}$ limits the significance of these numbers, because the criteria for use of the binomial approximation, as described in Ott and Longnecker (2001), are not met.

Applying Equation (2), the probability of capture $P_{capture}$ for a single sampling event at a single well within the study area is 0.41 ± 0.12 . Within 95% confidence limits, $0.17 < P_{capture} < 0.65$. High standard deviation and large confidence intervals are a result of the low number (ten) of wells sampled three or more times combined with the propagation of uncertainty in $P_{success}$ and $P_{habitat}$. For the calculated $P_{capture}$ of 0.41, the corresponding minimum number of unique sampling events (individual wells sampled one time each) necessary to determine whether the species is present in a contiguous phreatic habitat block such as the study area is six ($N = 5.68$). However, if the lower end of the 95% confidence interval is used, the minimum number of trials for such a determination increases to sixteen ($N = 16.07$).

VERTICAL DISTRIBUTION RESULTS

Table 3 shows the dates and depths at which individual wells were sampled at multiple levels and when and at what level individuals of *A. lira* were recovered. Four of those wells yielded *A. lira*. In USDA Fault Well, *A. lira* was

Table 4. Mark recapture data for Irvin King #2 well.

Variable	Number of Individuals by Date Sampled		
	7/1/2007	7/8/2007	7/15/2007
Number captured, n	8	19	13
Number marked, m	...	2	3
Number marked and released, r	8	19	13

found at water-bearing horizons at 35 m and 40 m. In Syncline Well, *A. lira* was collected from traps at the 31-m water-bearing horizon during four out of six sampling events, while horizons at 12 m and 43 m yielded no individuals. Irvin King #2 yielded multiple individuals at depth of 38 m and 44 m, and no animals at 23-m and 30-m depths. Irvin King #1 yielded individuals at a depth of 24 m. On average, *A. lira* was collected from $31\% \pm 4\%$ of water-bearing horizons in each of these four wells.

POPULATION SIZE ESTIMATION RESULTS

Marked animals were only recaptured at Irvin King Well #2, and consequently, population size could not be estimated at other locations. At Irvin King Well #2, animals were captured, marked, and released on July 1, July 8, and July 15, 2007. Table 4 summarizes the data used to calculate the population estimate and uncertainty using Equations (4) and (5). The limited population being sampled at Irvin King Well #2 only allowed a very rough estimate of 112.3 individuals ± 110 (95% CI).

DISCUSSION

CAPTURE PROBABILITY DISCUSSION

While it is clear that well sampling using baited traps is an effective way to sample for stygobiont crustacean fauna such as the Madison Cave isopod *Antrolana lira*, interpretations of results must be performed conservatively and with caution. At least three conditions must be met for a successful capture. First, the sampling site must be within the range of the species. Second, the well must intersect appropriate habitat, in this case interconnected, permeable voids beneath the water table that are large enough to be traversable by the species. Finally, the trap must effectively attract and retain animals. The efficiency with which a particular sampling method attracts and retains animals must also be considered when comparing data from multiple sampling methods. Allford et al. (2008) tested three different sampling methods on wells in the Yilgarn region of Australia and found differences in the number of species and total number of individuals collected, but no significant difference in the relative probability for capturing a particular species as a function of sampling method.

In Leetown, capture wells appear randomly distributed within a contiguous phreatic habitat block, suggesting that the entire study area lies within the potential range of the species. However, within this range, the species is heterogeneously distributed, depending on the presence of favorable habitat, which is patchy but interconnected (Hutchins et al., 2010, in press). The fact that this habitat is hidden from view complicates any sampling strategy. This study seeks to calculate the probability that the last two conditions are met: a given well intersects favorable habitat ($P_{habitat}$) and that the species is collected during the sampling event ($P_{success}$). We found that $P_{habitat} = 0.60 \pm 0.31$ (95% C.I.) and that $P_{success} = 0.68 \pm 0.17$ (95% C.I.) for *A. lira* in our study area. These values were used to predict that for a unique sampling event for *A. lira* within the study area the probability of capture is 0.41 ± 0.12 (95% C. I.: $0.17 < P_{capture} < 0.65$) and to estimate that approximately six sampling events are necessary to determine if the species is present in a similar contiguous phreatic habitat block (sixteen events if the lower end of the confidence interval is used). Exporting the results to outside the study area assumes that neither $P_{success}$ nor $P_{habitat}$ varies significantly from one contiguous phreatic habitat block to another. Unfortunately, enough data points were not collected in the study to tightly constrain the predicted value of $P_{capture}$ in the study area, although $P_{success}$ and $P_{habitat}$ were moderately well constrained. Our results were similar to those of Eberhard et al. (2007), who used net-haul sampling in the Pilbara region of Australia and found detection probabilities for species to average $33 \pm 5\%$ or $39 \pm 3\%$ (two different methods) and that six samples collect 95% of species present in a well.

For those interested in determining with certainty the absence or presence of a stygobiont in an area, a paucity of sampling locations and low densities of animals presents a high risk of false negatives. Obviously, the best way to reduce this risk is to increase the number of sites sampled and the number of sampling events. However, the number of available sampling sites in a contiguous phreatic habitat block is essentially fixed. This makes desirable a sampling scheme that samples sites on multiple occasions to achieve the desired level of certainty in the presence or absence of a species.

MacKenzie et al. (2002) developed such a technique and applied it to a data-set investigating site occupancy of amphibians in Maryland, USA. Their model considered the probability of the presence of a species at a site, the number of sites, the number of sampling events, and the probability of detection. Such a model could be effectively applied to the stygobiont sampling scenario described in this paper if the probability of the presence of a species was replaced with that of habitat intersection. Unfortunately, the data-set in this study was too small for these methods to be applied.

There was no obvious relationship between physical and hydrological properties of the individual wells (Table 1) and the presence or absence of *Antrolana lira*. While the two

highest-yield wells (Syncline and USDA Fault, each 1135 L min^{-1}) both yielded specimens, so did low-yield wells such as Irvin King #1 (38 L min^{-1}), Irvin King #2 (57 L min^{-1}), and Ball Field (19 L min^{-1}), with Irvin King #2 being the most consistent producer of *A. lira*. In terms of geology, specimens were successfully captured from at least one well in all formations in which wells were sampled.

Differences in the May 2005, July 2006, and summer 2007 sampling events suggest that groundwater levels may strongly influence sampling success rates, both in terms of numbers and of stygobiont species. This is in contrast with the results of Eberhard et al. (2007), who found no seasonal turnover in faunal composition in sampling wells over a 4-year period in the Pilbara region of Western Australia. Figure 5 shows water levels in the aquifer at Leetown Science Center over the period of interest. Both the May 2005 and July 2006 sampling events took place during relatively high groundwater levels, immediately after significant recharge events, while the summer 2007 sampling was performed under drought conditions. In May 2005 the water level was more than a meter higher than in summer 2007, and numerous amphipods were captured in the Old Dodson Farm Well and the Ballfield Well, which also yielded a single *Antrolana lira*. Neither of these wells yielded a single crustacean specimen during summer 2007 sampling. The July 2006 sampling event at Cam Tabb Well stands out as well. Sixty-eight individuals were collected in that event, compared with a range of 1 to 7 individuals captured during 2007 sampling events, when water levels were approximately 0.6 m lower than in 2006. This apparent water-level influence on sampling results may have to do with water levels reaching the elevation of specific conduits, allowing the animals to move within the aquifer. Alternatively, the presence of larger numbers of animals following recharge events may reflect flushing of animals from different hydrological realms in the subsurface. A third possible explanation is that the animals may be more active within the aquifer in response to a higher food supply associated with a recharge event. In any case, these results showed that the probability of successful recovery of *A. lira* at wells that intersected habitat varied both from well to well and at an individual well over time.

VERTICAL DISTRIBUTION DISCUSSION

While the depth sampling did not yield enough data to be conclusive, it did suggest that specific water-bearing horizons are associated with the presence of certain stygobiont species, and that many of these horizons are at considerable depths (up to $\sim 30 \text{ m}$) below the water table. During all sampling events in drilled wells, *Antrolana lira* was only collected in traps placed at least 25 m beneath the land surface. During July 2007, only traps placed at least 30 m below the land surface yielded specimens. This does not hold for cave or hand-dug-well collections, neither of which generally allow for the trap to be placed more than 10 m beneath the water surface. The risk of false

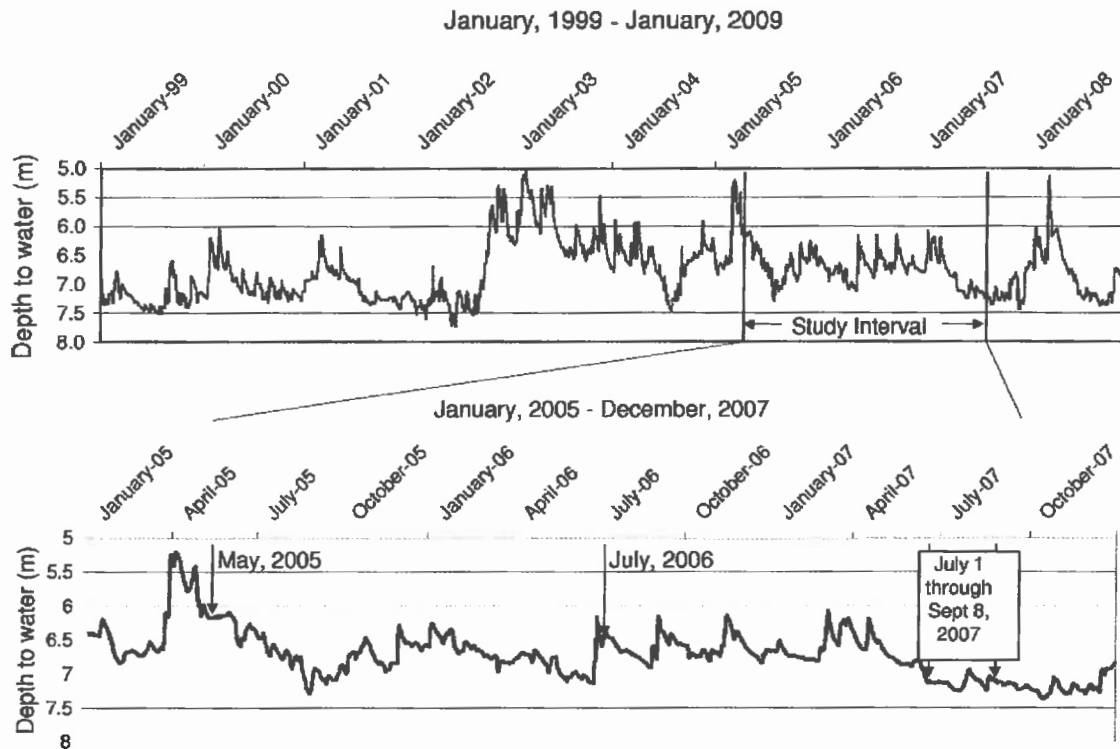


Figure 5. Water levels at Leetown Science Center monitoring wells (USGS, 2009).

negatives for wells is significant, as discussed above, and may be increased when a single trap is placed at an arbitrary depth. However, this risk may be overcome through the use of alternative sampling methods, such as haul nets that sample the entire water column (Allford et al., 2008). Results from Irvin King #2 Well show that trap level will not affect capture rate in all instances. During the mark-recapture phase of the project, a single trap was placed at an arbitrary depth (25 m, approximately 6 m beneath the surface of the water) during weeks one to three, yielding 8, 19, and 13 animals, respectively. During the horizon-sampling phase, traps at 23 m and 30 m yielded no specimens, while traps at 38 m and 44 m yielded combined totals of 12 and 9 individuals for weeks four and five. This suggests that animals were present at lower levels in the well during the mark-recapture phase and swam up the well to reach the bait. It is likely that the reason they are present lower in the well is that they are closer to the intersection of the well bore with water-bearing voids or fractures (e.g., USDA Fault and Syncline Wells, Table 2). Alternatively, Hahn and Matzke (2005) suggest that detritus and sediment that preferentially accumulates at the bottom of wells may act as habitat islands in aquifers, attracting a higher abundance of taxa than elsewhere in the aquifer. This potential relationship depends strongly on the identity and life history of the species involved.

POPULATION SIZE ESTIMATION DISCUSSION

Population size estimation was only possible at one sampling location due to the lack of recaptured specimens elsewhere. At Irvin King Well #2, 112.3 ± 110 individuals were estimated to compose the population sampled during this study. Obviously, this estimation has a large degree of uncertainty. Furthermore, as with other population-size estimation methods, this method makes a variety of assumptions. First, it assumes no births, deaths, immigration, or emigration during the sampling period. This first assumption is probably not significantly violated, given that subterranean organisms have low reproductive potential and metabolic rate and that *Antrolana lira* has no known predators. This method also assumes that capture and marking does not affect an individual's chance at subsequent capture. In another population size estimation study for *A. lira*, one week was found to be a sufficient period of time for previously captured and marked animals to be re-trapped (Fong, unpublished data). Finally, the method assumes that all individuals have an equal chance of being caught. Given the heterogeneous nature of phreatic passages, complex flow routes, and the fact that no ovigerous females have ever been captured, this final assumption may be violated in the case of *A. lira*. Nevertheless, Hahn and Matzke (2005) suggest that taxa may be preferentially distributed near wells that serve as habitat islands, and at least one

mathematical model suggests that vagile taxa such as *A. lira* may be able to travel significant distances within aquifers (Eberhard et al., 2007). What these data do suggest is that this is a small population. This is corroborated by low genetic variability within the site (Hutchins et al., 2010, in press). This has implications for the conservation of the species, because low population size that is potentially clustered near the well puts the population at risk.

The only other population size estimates for *A. lira* have been performed using identical methods at Cave Hill in Augusta County, Virginia (Fong, 2007). Population size estimates at Cave Hill were much higher than at Irvin King, ranging from 0.36 to 1.02×10^3 at Madison Saltpetre Cave and 2.24 to 3.42×10^3 at Steger's Fissure (Fong, 2007). Population estimates at other documented sites within the range need to be performed to determine what population sizes are more typical for *A. lira*.

CONCLUSIONS

In some areas, the abundance of wells in proximity to one another relative to that of caves and springs allows for more comprehensive sampling across the potential range of a stygobiont species. Some karst areas, like the lower (northern) Shenandoah Valley, are particularly cave-poor, and wells afford a much better way of accessing habitat. This study has shown that if preliminary sampling efforts are sufficient to constrain the probabilities of habitat intersection and successful recovery of animals, then it is possible to develop a meaningful protocol for sampling wells with baited traps to determine presence or absence of a phreatic stygobiont. The results of such sampling are likely to vary with aquifer water levels and in response to recharge events. Use of wells with comprehensive hydrological and borehole descriptions combined with sampling at discrete depths increased understanding of the three-dimensional subterranean habitat structure. Animals were shown to be present at significant depths (up to 30 m) beneath the water table, and they appear to be using specific conduits within the aquifer. Successful completion of a mark-recapture population estimate showed that known populations of *Antrolana lira* in the northern end of its range are at much lower densities than those at the type locality of Cave Hill. Future research on this topic should include extensive additional sampling within the project area to better constrain detection and habitat intersection probabilities, replication of the study in other contiguous habitat blocks of the Madison Cave isopod to test the assumption that detection and habitat intersection probabilities are relatively constant between such blocks, and application of these methods to other phreatic stygobiont species to determine inter-species variations in detection and habitat-intersection probabilities.

ACKNOWLEDGEMENTS

This research was funded by a West Virginia Wildlife Diversity Program grant. Mike Beck, Penelope Pooler, and Walt Pirie served as invaluable sounding boards for the statistical portions of this paper. Special thanks to the USGS Leetown Science Center for allowing use of research wells for this investigation.

REFERENCES

- Allford, A., Cooper, S.J.B., Humphreys, W.F., and Austin, A.D., 2008, Diversity and distribution of groundwater fauna in a calcare aquifer: Does sampling method influence the story?: *Invertebrate Systematics*, v. 22, p. 127–138.
- Begon, M., 1979, Investigating animal abundance: capture-recapture for biologists: London, Edward Arnold, 97 p.
- Boutin, C., and Boulanouar, B., 1983, Méthodes de capture de la faune stygobie: Expérimentation de différents types de pièges appâtés dans les puits de Marrakech: *Bulletin, Faculty of Science, Marrakech (Section Science de la Vie)*, v. 2, p. 5–21.
- Castellarini, F., Dole-Oliver, M.J., Malard, F., and Gibert, J., 2007, Modeling the distributions of stygobionts in the Jura Mountains (eastern France): Implications for the protection of groundwaters: *Diversity and Distributions*, v. 13, p. 213–224.
- Collins, T.L., and Holsinger, J.R., 1981, Population ecology of the troglitic isopod crustacean *Antrolana lira* Bowman (Cirolanidae): *Proceedings of the 8th International Congress of Speleology*, v. 1, p. 129–132.
- Culver, D.C., Christman, M.C., Elliott, W.R., Hobbs, H.H. III., and Reddell, J.R., 2003, The North American obligate cave fauna: regional patterns: *Biodiversity and Conservation*, v. 12, p. 441–468.
- Culver, D.C., and Sket, B., 2000, Hotspots of subterranean biodiversity in caves and wells: *Journal of Cave and Karst Studies*, v. 62, no. 1, p. 11–17.
- Dole-Oliver, M.J., Castellarini, F., Coineau, N., Galassi, D.M.P., Mori, N., Valdecasas, A., and Gibert, J., 2007, Towards an optimal sampling strategy to assess groundwater biodiversity: Comparison across six European regions: *Freshwater Biology*, v. 54, no. 4, p. 777–796.
- Eberhard, S.M., Halse, S.A., Williams, M.R., Scanlon, M.D., Cocking, J., and Barron, H.J., 2007, Exploring the relationship between sampling efficiency and short-range endemism for groundwater fauna in the Pilbara region, Western Australia: *Freshwater Biology*, v. 54, no. 4, p. 885–901.
- Fong, D.W., 2007, Mark-recapture populations size estimates of the Madison Cave isopod, *Antrolana lira* [abs.]: *Journal of Cave and Karst Studies*, v. 69, no. 3, 360 p.
- Fong, D.W., 1996, Madison Cave Isopod (*Antrolana lira*) Recovery Plan, Hadley, MA, U.S. Fish and Wildlife Service, 32 p.
- Fong, D.W., Culver, D.C., Hobbs, H.H. III., and Pipan, T., 2007, The invertebrate cave fauna of West Virginia, 2nd ed: *West Virginia Speleological Survey Bulletin* 16, 163 p.
- Ginet, R., and Décou, V., 1977, *Initiation à la biologie et à l'écologie souterraines*: Paris, J.P. Delarge, 345 p.
- Hahn, H.J., and Matzke, D., 2005, A comparison of stygofauna communities inside and outside groundwater bores: *Limnologia*, v. 35, p. 31–44.
- Hancock, P.J., and Boulton, A.J., 2007, Sampling groundwater fauna: Efficiency of rapid assessment methods tested in bores in eastern Australia: *Freshwater Biology*, v. 54, no. 4, p. 902–917.
- Hershler, R., and Longley, G., 1986, Phreatic Hydrobiids (Gastropoda: Prosobranchia) from the Edwards (Balcones Fault Zone) Aquifer region, South-Central Texas: *Malacologia*, v. 27, no. 1, p. 127–172.
- Holsinger, J.R., and Longley, G., 1980, The Subterranean Amphipod Crustacean Fauna of an Artesian Well in Texas: Washington, D. C., Smithsonian Contributions to Zoology no. 308, 62 p.
- Hutchins, B., Fong, D.W., and Carlini, D.B., 2010, Genetic Population Structure of the Madison Cave Isopod, *Antrolana lira* (Flabellifera; Cirolanidae) in the Shenandoah Valley of the eastern United States: *Journal of Crustacean Biology*, v. 30 (in press).
- Kozar, M.D., McCoy, K.J., Weary, D.J., Field, M.S., Pierce, H.A., Schill, W.B., and Young, J.A., 2007a, Geohydrology and water quality of the

- Leetown Area, West Virginia: U.S. Geological Survey Open-file Report 2007-1358, 100 p, <http://pubs.usgs.gov/of/2007/1358>. [accessed April 14, 2009]
- Kozar, M.D., Weary, D.J., Paybins, K.S., and Pierce, H.E., 2007b, Hydrogeologic Setting and Ground-Water Flow in the Leetown Area, West Virginia, U.S. Geological Survey Scientific Investigations Report 2007-5066, 72 p.
- Krejca, J., 2004, Inventory of karst fauna in Sequoia, Kings Canyon, and Yosemite National Parks, 2nd Progress Report, National Park Service, 8 p.
- Lichten, W., 1998, Data and Error Analysis, Second Edition: Upper Saddle River, New Jersey, Prentice-Hall, 192 p.
- MacKenzie, D.I., Nichols, J.D., Lachman, G.B., Droege, S., Royle, J.A., and Langtimm, C.A., 2002, Estimating site occupancy rates when detection probabilities are less than one: *Ecology*, v. 83, no. 8, p. 2248–2255.
- Malard, F., and Simon, K., 1997, Sampling in wells for describing ecological patterns at a microscale in karst aquifers, *in* Sasowsky, I.D., Fong, D.W., and White, E.L., eds., Conservation and Protection of the Biota of Karst, Charlestown, West Virginia, Karst Water Institute, p. 46–55.
- Malard, F., Reygobellet, J.L., Laurent, R., and Mathieu, J., 1997, Developments in sampling the fauna of deep water-table aquifers: *Archiv für Hydrobiologie*, v. 138, p. 401–432.
- Ott, R.L., and Longnecker, M., 2001, An introduction to Statistical Methods and Data Analysis, Fifth Edition: Pacific Grove, California, Duxbury Press, 1152 p.
- U.S. GEOLOGICAL SURVEY, 2009, USGS Real-time water data for West Virginia, Groundwater: U.S. Geological Survey, http://waterdata.usgs.gov/wv/nwis/current/?type=gw&group_key=county_cd [accessed January 27, 2009].
- Watts, C.H.S., and Humphreys, W.F., 2003, Twenty-six New Dytiscidae (Coleoptera) of the Genera *Limbodessus* Guignot And *Nirripiriti* Watts & Humphreys, from Underground Waters in Australia: *Transactions of the Royal Society of South Australia*, v. 30, p. 123–185.

Burch, Patrick D

From: Burch, Patrick D
Sent: Monday, January 28, 2019 2:12 PM
To: Adams, Rick D
Subject: FW: Permit# WVG611874 Attn: Sharon Mullins
Attachments: 2018-04-26_FWS_Request_-_Ranson (2).pdf; 2018-i-0498
_US_FWS_Determination_-_Ranson (3).pdf; Madison Cave Isopod.pdf

Another one.

From: Bosley, Jon M <Jon.M.Bosley@wv.gov>
Sent: Wednesday, December 12, 2018 3:22 PM
To: Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: FW: Permit# WVG611874 Attn: Sharon Mullins

--Jon Michael
--Stormwater Permitting Supervisor

From: DEP Comments
Sent: Wednesday, December 12, 2018 2:45 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Sweeney, Matthew L <Matthew.L.Sweeney@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>; Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: Permit# WVG611874 Attn: Sharon Mullins

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <ssi27@yahoo.com>
Sent: Wednesday, December 12, 2018 2:13 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Permit# WVG611874 Attn: Sharon Mullins

David Tabb
107 Tabb Lane
Harpers Ferry, WV 25425

December 12, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins;

On December 10, 2018, I participated in a public comment for the NPDES App # WV0022349 for the Charles Town Utilities Board (CTUB) project, of which is an adjacent project to the TeMa Facility.

When preparing for the CTUB public comment, I discovered documentation from the United States Department of the Interior Fish and Wildlife Service. I have attached the documentation, dated June 29, 2018, where it appears that page 2 is missing. I am attempting to obtain page 2 and when I find the missing page, I will forward it. The other document is dated May 4, 2018 from Wetland Studies and Solutions, Inc. This document has identified the Madison Cave Isopod could be found along this area. *"The project area does overlay karst topography in the vicinity where sinkholes have been observed... which could have an effect on the Madison Cave Isopod, if present."* The study also indicates *"The project team proposes approaching the project as if the Madison Cave Isopod is present and will include avoidance and mitigation measures..."*. The Madison Cave Isopod was placed on the threatened species list in November 1982. This isopod lives in a 200 mile range from Lexington, VA to Charles Town, WV, with a documented population in Jefferson County, WV.

My concerns even though this is for a different project, the TeMa facility is adjacent to the Ranson Route 9 Infrastructure Project and will share the same utilities. I have not found where the permit has addressed the Endangered Species Act. Non-analyzation of any project could affect downstream species of

fish and wildlife. If this study was required for the Route 9 project, then where is the study for the TeMa project?

Therefore, I ask again, for the permit to be revoked or put on hold until all studies are complete and all proposed cost to protect the endangered species are in place.

Sincerely,

A handwritten signature in black ink, appearing to read "David Tabb", written in a cursive style.

David Tabb



May4, 2018

VIA UPS GROUND

U.S. Fish and Wildlife Service
West Virginia Field Office
90 Vance Drive
Elkins, WV 26241
Attn: Project Review Request

Re: Request for Project Review
Ranson Route 9 Infrastructure Project
Jefferson County, West Virginia
Consultation Code: 05E2WV00-2018-SLI-0498
WSSI #30073.02

Dear Sirs:

We would like to request a Project Review, for the Ranson Route 9 Infrastructure Project. The proposed project consists of the installation of 4.82 miles of sewer line and approximately 1.81 miles of water line. Exhibit 1 is a vicinity map that depicts the approximate location of the project, which is along Route 9 between Charles Town and Kearneysville in Jefferson County, West Virginia. Exhibit 2 is an excerpt from the Charles Town, WV-VA-MD 1997, Middleway, WV 1978, Shepherdstown, WV-MD 1994 and Martinsburg, WV 1997 USGS quadrangles. The centroid location of the project is: 39°22'29"N, 77°52'31"W.

The project consists of the installation of water and sewer lines including pump stations and associated infrastructure, with a total project area of 6.63 miles (4.82 miles of sewer line, and 1.81 miles of water line). An IPaC Official Species List has been obtained for this project and is included as Exhibit 3. The Official Species List identified the following species: Indiana Bat (*Myotis sodalis*), Northern Long-Eared Bat (*Myotis septentrionalis*), and Madison Cave Isopod (*Antrolana lira*).

Limited tree clearing is anticipated for this project, as most of the area is non-forested. Tree clearing is anticipated to be less than the 17-acre threshold. No wetlands or streams are present within the study area. Mining is not known to have taken place in the past, and no known mine portals or cave openings have been identified in the project vicinity. Aerial photograph of the project area is included as Exhibit 4.

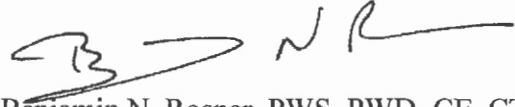
The project area does overlay karst topography in the vicinity where sinkholes have been observed and the project team recognizes that karst features may be discovered or impacted during the construction of the project, which could have an effect on the Madison Cave Isopod, if present. The project team proposes approaching the project as if the Madison Cave Isopod is present and will include avoidance and mitigation measures in the project plans to minimize any potential effects on the Madison Cave Isopod. Example specifications and other protection measures to be included in the project plan are included as Exhibit 5.

U.S. Fish and Wildlife Service
May 4, 2018
WSSI Project #30073.02
Page 2 of 2

Please contact me at 703-679-5647 or brosner@wetlands.com if you have any questions.
We appreciate your prompt response.

Sincerely,

WETLAND STUDIES AND SOLUTIONS, INC.

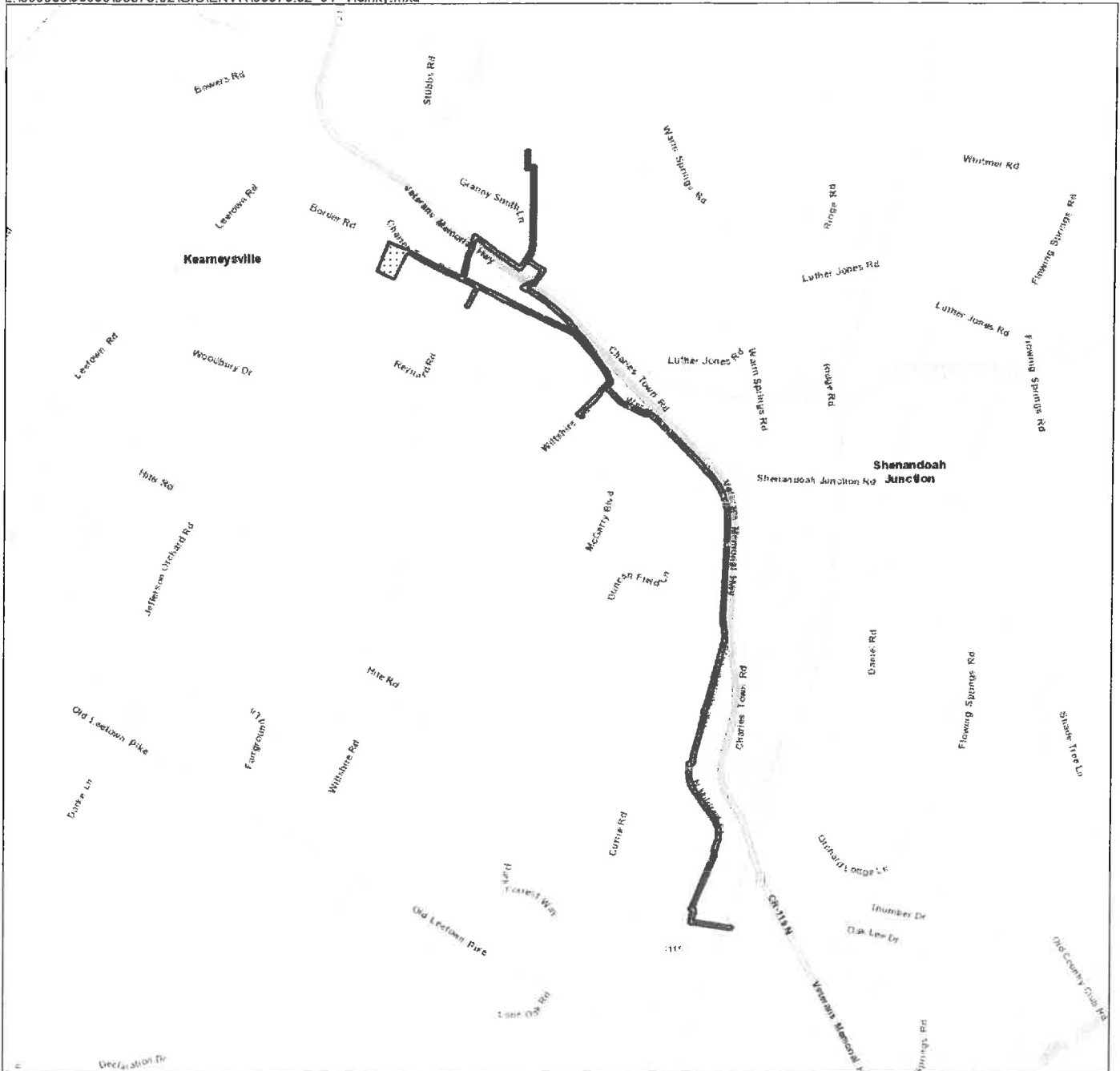
A handwritten signature in black ink, appearing to read 'B N R', written over a horizontal line.

Benjamin N. Rosner, PWS, PWD, CE, CT
Manager – Environmental Science

Enclosures

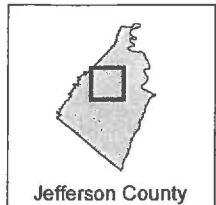
cc: Ms. Melany Aliston-Brick, P.E., Toole Design Group (w/enc.)

L:\30000s\30000\30073.02\Admin\05-ENVR\ETS\USFWS review request.doc

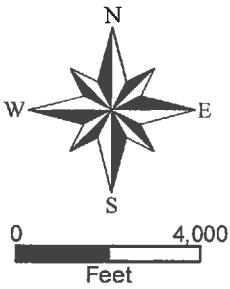


Base Map Source: ESRI



- Water Corridor
- Sewer Corridor



Vicinity Map
Ranson - Route 9 Infrastructure
WSSI #30073.02
Original Scale: 1" = 4000'

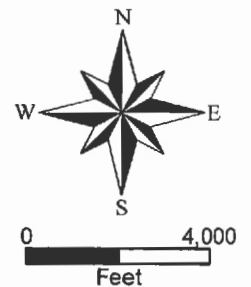




-  Water Corridor
-  Sewer Corridor

Latitude: 39°22'29" N
 Longitude: 77°52'31" W
 Hydrologic Unit Code (HUC): 020700041105
 and 020700040908
 Name of Watershed: Rockymarsh Run
 and Evans Run-Opequon Creek
 COE Region: Eastern Mountains and Piedmont

USGS Quad Maps
Charles Town, WV-VA-MD 1997, Middleway, WV 1978,
Shepherdstown, WV-MD 1994 & Martinsburg, WV 1997
Ranson - Route 9 Infrastructure
WSSI #30073.02
Original Scale: 1" = 4000'





United States Department of the Interior



FISH AND WILDLIFE SERVICE
West Virginia Ecological Services Field Office
694 Beverly Pike
Elkins, WV 26241-9475
Phone: (304) 636-6586 Fax: (304) 636-7824
<http://www.fws.gov/westvirginiafieldoffice/>

In Reply Refer To:
Consultation Code: 05E2WV00-2018-SLI-0498
Event Code: 05E2WV00-2018-E-01007
Project Name: Ranson- Route 9 Infrastructure

February 27, 2018

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement.

If the official species list you receive identifies any listed, proposed, or candidate species as potentially occurring in the proposed project area, then further section 7 consultation under the ESA is required with the Fish and Wildlife Service. Please submit a project review request to the West Virginia Field Office. To find out what information needs to be submitted with your project review request go to this link: <http://www.fws.gov/westvirginiafieldoffice/projectreview.html>

Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you should submit to our office.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be

completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). For information on bald and golden eagles in your project area please contact the West Virginia Division of Natural Resources, Natural Heritage Program at P.O. Box 67 Elkins, WV 26241, or call 304-637-0245.

Additionally, wind energy projects should follow the Service's wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>; and [http://www.fws.gov/westvirginiafieldoffice/PDF/Communication%20Tower%20Letter%20\(1\).pdf](http://www.fws.gov/westvirginiafieldoffice/PDF/Communication%20Tower%20Letter%20(1).pdf)

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

West Virginia Ecological Services Field Office

694 Beverly Pike

Elkins, WV 26241-9475

(304) 636-6586

Project Summary

Consultation Code: 05E2WV00-2018-SLI-0498

Event Code: 05E2WV00-2018-E-01007

Project Name: Ranson- Route 9 Infrastructure

Project Type: DEVELOPMENT

Project Description: This is a linear project about 6 miles long that runs along the western edge of Route 9 (Veterans Memorial Highway) between Old Leetown Pike and Leetown Road. This is a proposed utility infrastructure project.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/39.34892706423875N77.85897053717187W>



Counties: Jefferson, WV

Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

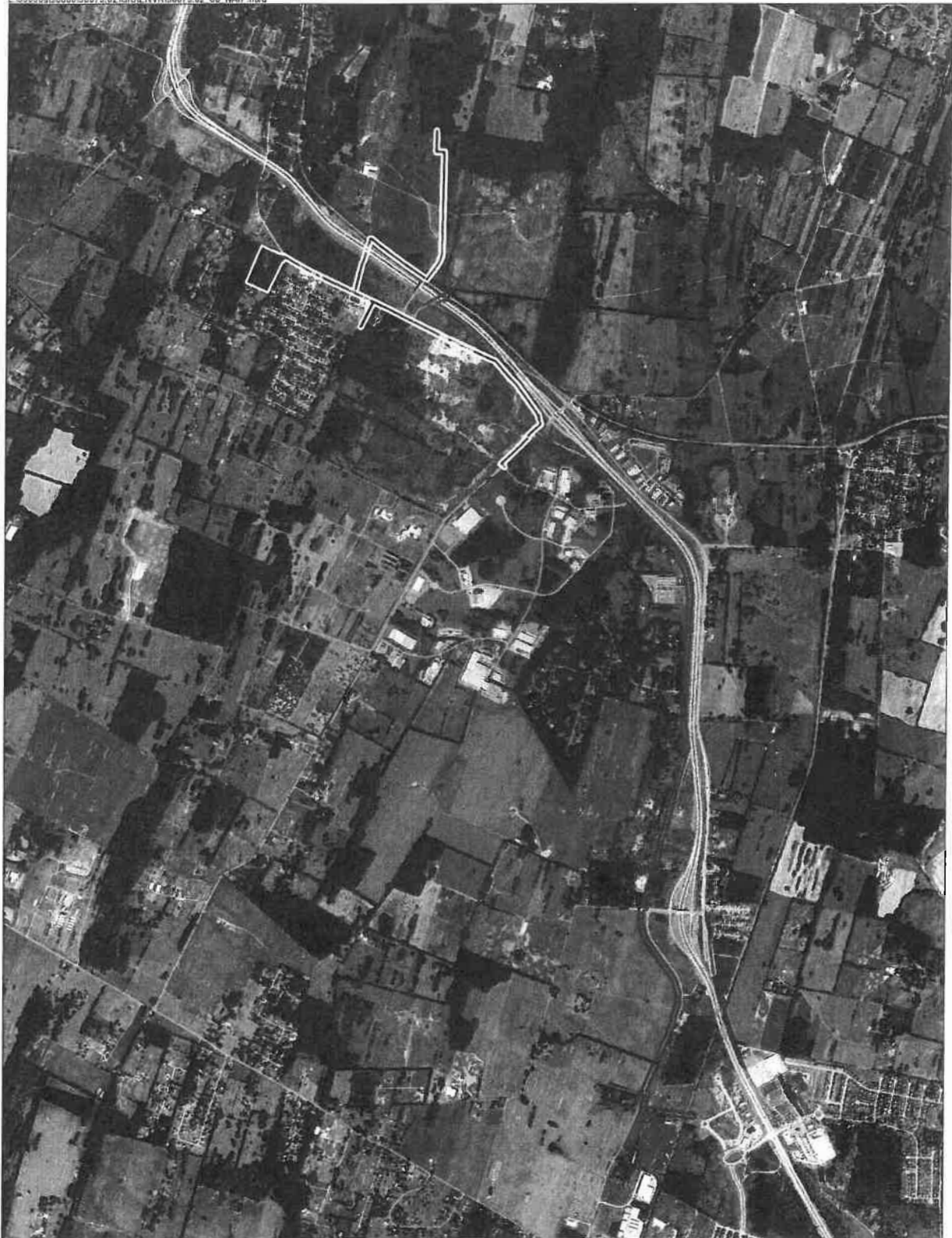
NAME	STATUS
<p>Indiana Bat <i>Myotis sodalis</i></p> <p>There is final critical habitat for this species. Your location is outside the critical habitat. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ All activities in this location should consider potential effects to this species. This project is not within a known-use area, but potentially occupied habitat may exist. Please contact the WVFO for additional consultation. <p>Species profile: https://ecos.fws.gov/ecp/species/5949</p>	Endangered
<p>Northern Long-eared Bat <i>Myotis septentrionalis</i></p> <p>No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ No known hibernacula or maternity roost trees occur within the action area. Any 'take' that may occur incidental to this project is not prohibited under the final 4(d) rule. Please submit a Streamlined 4(d) Rule Consultation form to the WVFO. <p>Species profile: https://ecos.fws.gov/ecp/species/9045</p>	Threatened


Crustaceans

NAME	STATUS
<p>Madison Cave Isopod <i>Antrolana lira</i></p> <p>No critical habitat has been designated for this species.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/4162</p>	Threatened

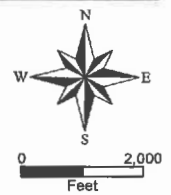
Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



Water Corridor
 Sewer Corridor

Summer 2016 Natural Color Imagery
Ranson - Route 9 Infrastructure
WSSI #30073.02
Original Scale: 1" = 2000'



Source: United States Department of Agriculture

Wetland Studies and Solutions, Inc.
a  company

Exhibit 4



TECHNICAL MEMORANDUM

Date: April 27, 2018
Organization: City of Ranson, West Virginia
Project: Route 9 Infrastructure Project
Re: Groundwater Protection Plan

BACKGROUND

A review by the U.S. Fish and Wildlife Service (USFWS) of their Information Planning and Conservation (IPaC) database indicated that a threatened species, the Madison Cave Isopod (*Antrolana lira*) may be present within the project vicinity. Due to the presence of Karst Terrain and the known difficulty in surveying and detecting the species, the design team proposes to conservatively assume that the species is present on the site, and implement appropriate avoidance and mitigation measures.

GEOLOGICAL FINDINGS

The regional bedrock is predominantly limestone with secondary shale and dolomite features consistent with USGS defined Conococheague Formation and Elbrook Formation (Cardwell et al., 1986). The soluble nature of these rocks has led to dissolution and the development of a mature Karst geology over time, often evidenced by the presence of sinkholes. Environmentally sensitive underground network aquifers consisting of water-saturated cavities and larger caverns connected to vertical passageways are characteristic of Karst terrain. For this project it is important to note that solution-enlarged joints are enough to transport sediment into karstic formations and aquifers, thus the absence of large caverns does not eliminate the necessity of protective precautions (Wilson and Beck, 1988).

The TDG Team performed fracture trace and electrical resistivity analyses in an attempt to locate areas of the site with a high potential for sinkhole development. While the findings did show there are three (3) locations where the sewer and roadway alignments will cross over known fracture zones, no active sinkholes were detected.

In a survey of 83 boreholes along the project alignment, evidence of water was only found in six (6) boreholes that sampled from known on-site floodplains. Standing water was not found at any of the sampled boreholes. With these findings the presence of Madison Cave Isopods is unlikely, however precautions aimed at protecting groundwater from contamination and sedimentation will still be considered, as consulted isopod experts noted that their presence is difficult to detect.

GROUNDWATER PROTECTION MEASURES

Measures to protect existing sinkholes from sediment, increased surface flows and contamination began in the planning stage, where proposed placement of the right-of-way and utilities strategically avoids the existing sinkholes and a surrounding buffer area.

The TDG Team proposes the following additional measures be implemented during construction:

- Implement a robust erosion and sediment control program to prevent sediment -laden runoff from entering known sinkholes
- Engage in routine inspections of known fracture areas, and implement repairs immediately if new sinkholes open during construction
- Divert new surface water flows away from existing sinkholes while maintaining existing flows necessary to maintain groundwater hydrology
- Disperse concentrated surface water flows
- Repair new sinkholes, slope failures, and bridge over any fractures encountered per the attached drawings
- Provide native tree and wildflower plantings around existing sinkholes, if encountered

At additional cost an easement may be sought for the two pre-existing sinkholes to ensure continued protection of these environmentally sensitive sites both during and after the project is completed.

REMEDIATION PRACTICES FOR NEWLY-FORMED SINKHOLES

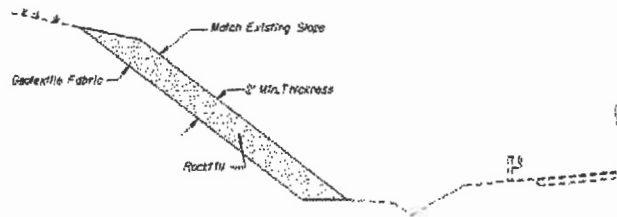
To ensure proper implementation of the measures listed above, this Groundwater Protection Plan will be made a part of construction contract documents, and the attached details will be included in the contract drawings.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

DATE	TIME	DATE	TIME	DATE	TIME

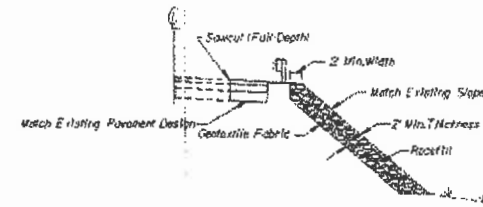
SHALLOW CUT SLOPE FAILURE

(NOT TO SCALE)



SHALLOW SLOPE FAILURE THROUGH SHOULDER

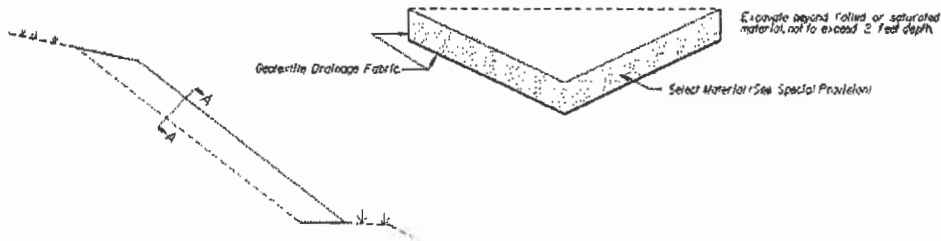
(NOT TO SCALE)



MODIFIED V-DITCH FOR SLOPE SCOUR

SECTION A-A

(NOT TO SCALE)



GENERAL NOTES:

1. PRIOR TO ANY SLOPE EXCAVATION THE CONTRACTOR SHALL CONTACT THE DISTRICT MATERIALS ENGINEER.
2. EACH SLOPE SHOULD BE TREATED BASED ON THE SPECIFIC CONDITIONS OF THE SITE.
3. ROCKFILL FRESH SLOPE SHALL MATCH EXISTING CONDITION UNLESS APPROVED BY THE DISTRICT MATERIALS ENGINEER.
4. TREATMENT SHALL INCLUDE CLEANING AND CRUSHING STRIPPING TOPSOIL AND REMOVING EXCESS ORGANIC MATERIAL. ALL FOREIGN MATTER INCLUDING TRASH AND OTHER REFUSE OR WASTE MATERIALS SHALL BE REMOVED.
5. EXCAVATION NECESSARY FOR PLACEMENT OF THE SLOPE FILL SHALL BE MEASURED AND PAID FOR AS REGULAR EXCAVATION IN ACCORDANCE WITH THE SECTION 505 OF THE SPECIFICATIONS. ALL OTHER MATERIAL SHALL CONFORM TO AND BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE APPLICABLE SECTIONS.
6. GEOTEXTILE MATERIAL SHALL CONFORM TO THE CURRENT SPECIAL PROVISION FOR GEOTEXTILES.
7. WHEN GRADE OF DITCH IS LESS THAN 3% MODIFIED FC-2A IS REQUIRED. EXTENDED TO BEYOND DISCLOSED AREA WHEN GRADE OF DITCH EXCEEDS 3%. CONSTRUCT FOR VDOT ROAD AND BRIDGE SPEC'S OR MATCH EXISTING, AS APPROVED BY THE ENGINEER.
8. IN THE EVENT SURFACE DRAINAGE CANNOT BE DIRECTED AWAY FROM THE SLOPE THE DITCH FOR SLOPE PROTECTION SHALL BE USED.

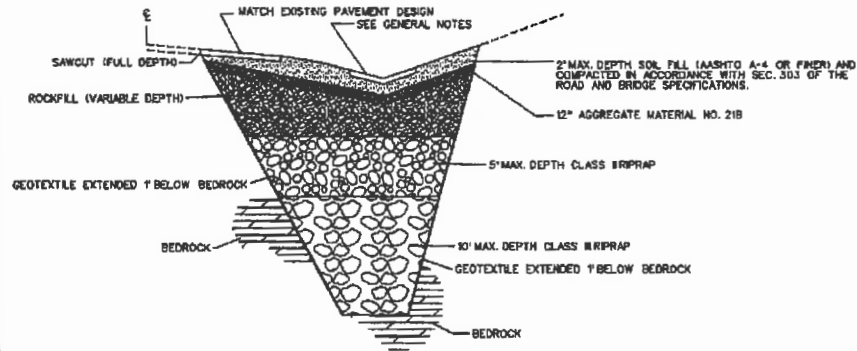
SLOPE TREATMENT DETAILS

1. DATE: 11/15/11
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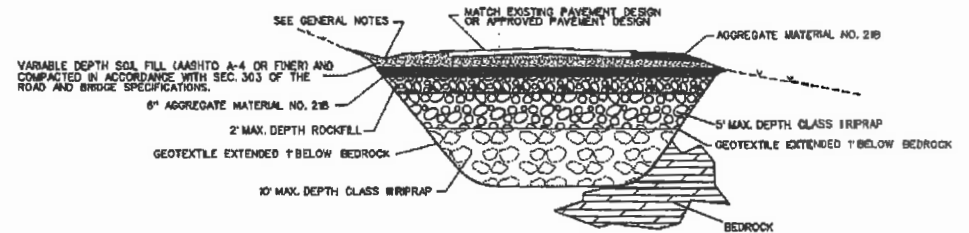
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	FWA REGION	STATE	FEDERAL RD PROJECT	ROUTE	STATE PROJECT	DATE
	7	IL				

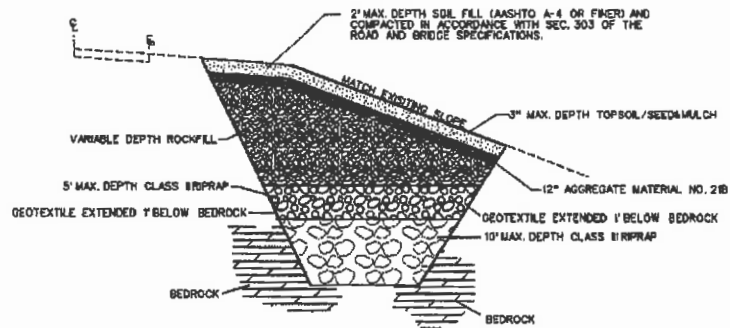
SINKHOLE IN DITCHLINE
(NOT TO SCALE)



SINKHOLE AT GRADE/UNDER FILL
(NOT TO SCALE)



SINKHOLE IN SLOPE
(NOT TO SCALE)



GENERAL NOTES:

1. PRIOR TO ANY SINKHOLE EXCAVATION THE CONTRACTOR SHALL CONTACT THE DISTRICT MATERIALS ENGINEER.
2. EACH SINKHOLE SHOULD BE TREATED BASED ON THE SPECIFIC CONDITIONS OF THE SITE.
3. CONSECUTIVE LAYERS OF AGGREGATE SHALL BE PLACED IN SUCH A MANNER AS TO PREVENT MIGRATION OF SMALLER AGGREGATES INTO VOIDS IN LARGER AGGREGATES.
4. WHEN THE DEPTH OF A SINKHOLE OR A DEPRESSION IS LESS THAN 10", ROCKFILL SHALL BE USED FOR BACKFILL IN LIEU OF DRY RIP-RAP AND SHALL BE CAPPED WITH NO. 21B AGGREGATE, AND GEOTEXTILE AS NOTED ON THE APPLICABLE DETAIL.
5. TREATMENT SHALL INCLUDE CLEARING AND GRUBBING, STOPPING TOPSOIL AND REMOVING EXCESS ORGANIC MATERIAL. ALL FOREIGN MATTER INCLUDING TRASH, AND OTHER REFUSE OR WASTE MATERIALS SHALL BE REMOVED.
6. EXCAVATION NECESSARY FOR PLACEMENT OF THE SINKHOLE FILL SHALL BE MEASURED AND PAID FOR AS REGULAR EXCAVATION IN ACCORDANCE WITH THE SECTION 303 OF THE SPECIFICATIONS. ALL OTHER MATERIAL SHALL CONFORM TO AND BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE APPLICABLE SECTIONS.
7. GEOTEXTILE MATERIAL SHALL CONFORM TO THE CURRENT SPECIAL PROVISION FOR GEOTEXTILES.
8. WHEN GRADE OF DITCH IS LESS THAN 5% MODIFIED PG-2A IS REQUIRED, EXTENDED 10' BEYOND DISTURBED AREA WHEN GRADE OF DITCH EXCEEDS 5% CONSTRUCTED PER VDOT ROAD AND BRIDGE SPECS OR MATCH EXISTING, AS APPROVED BY THE ENGINEER.
9. IN THE EVENT SURFACE DRAINAGE CANNOT BE DIRECTED AWAY FROM THE SINKHOLE OR ROCK IS NOT ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE DISTRICT MATERIALS ENGINEER PRIOR TO ANY CONSTRUCTION.

SINKHOLE TREATMENT DETAILS

REVISED 04/07
SPECIAL DESIGN SECTION
DRAWING NO. 2944

DESIGNED BY: _____
CHECKED BY: _____
DATE: _____

NO.	DATE	BY	DESCRIPTION



United States Department of the Interior

FISH AND WILDLIFE SERVICE

West Virginia Field Office
90 Vance Drive
Elkins, West Virginia 26241



June 29, 2018

Mr. Benjamin Rosner
Wetland Studies and Solutions, Inc.
5300 Wellington Branch Drive, Suite 100
Gainesville, Virginia 20155

Re: Ranson Route 9 Infrastructure Project, Jefferson County, West Virginia
(FWS File Number 2018-I-0498)

Dear Mr. Rosner:

This letter is in response to your request dated May 4, 2018, and supplemental information dated June 21, 2018, for information regarding the potential occurrence of federally listed endangered and threatened species and their designated critical habitats within the vicinity of the project mentioned above. The City of Ranson proposes to install 4.82 miles of sewer line and approximately 1.81 miles of water line between Charles Town and Kearneysville in Jefferson County, West Virginia. These comments are provided pursuant to the Endangered Species Act (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*). This project has been assigned FWS File Number 2018-I-0498; please reference this number in all future correspondence.

The U.S. Fish and Wildlife Service (Service) has determined that three federally listed species may occur within the project area and may be affected by the construction of this project. These are the endangered Indiana bat (*Myotis sodalis*), and the threatened Madison Cave isopod (*Antrolana lira*) and the northern long-eared bat (*Myotis septentrionalis*) (NLEB).

Federally Listed Bats

The Indiana bat and NLEB may use the project area for foraging and roosting between April 1 and November 15. Indiana bat summer foraging habitats are generally defined as riparian, bottomland, upland forest, and old fields or pastures with scattered trees. Roosting/maternity habitat consists primarily of live or dead hardwood tree species which have exfoliating bark that provides space for bats to roost between the bark and the bole of the tree. Tree cavities, crevices, splits, or hollow portions of tree boles and limbs also provide roost sites. In West Virginia, the Service considers all forested habitat containing trees greater than or equal to 5 inches in diameter at breast height to be potentially suitable as summer roosting and foraging habitat for the Indiana bat.

Madison Cave Isopod

Portions of the proposed project are underlain by the Cambrian-aged Conococheague Formation, which is known to host populations of the Madison Cave isopod (MCI), a freshwater crustacean that is only known to occur in the Shenandoah Valley in West Virginia and Virginia. MCI potential habitat consists of ground water and aquifers in karst (limestone) areas near surface-to-ground-water interfaces such as vertical fissures, sinkholes, or caves. Activities with the potential to impact MCI habitat include those that disrupt karst hydrology, increase erosion, cause pollution, or decrease groundwater levels.

In correspondence dated April 27, 2018, Toole Design Group evaluated the potential for MCI within the project area and provided recommendations to the City of Ranson for avoidance and minimization measures regarding karst features and potential MCI habitat. The project will cross over known fracture zones (where there is a high potential for sinkhole development) in three locations, though there are no active sinkholes within the vicinity of the project. In a correspondence dated June 21, 2018, the City of Ranson has committed to the following avoidance and minimization measures:

- Implement a robust erosion and sediment control program to prevent sediment-laden runoff from entering known sinkholes;
- Engage in routine inspections of known fracture areas, and implement repairs immediately if new sinkholes open during construction;
- Divert new surface water flows away from existing sinkholes while maintaining existing flows necessary to maintain groundwater hydrology;
- Disperse concentrated surface water flows;
- Repair new sinkholes, slope failures, and bridge over any fractures encountered per the drawings provided by Toole Design Group in their April 27, 2018, correspondence;
- Provide native tree and wildflower plantings around existing sinkholes, if encountered.

Based on the City of Ranson's commitment to adhere to the above avoidance and minimization measures, the Service does not anticipate that the project is likely to adversely affect the MCI. Should any new sinkholes open during construction, the Service should be notified within 24 hours.

Summary

Based on the information provided to us, the Service has concluded that no federally listed species are expected to be adversely affected by the project and any that any take of NLEB associated with this project is exempt under the 4(d) rule.

This letter provides technical assistance only and does not serve as a completed section 7 consultation document. If there is a Federal nexus for the project (e.g., Federal funding provided, Federal permits required to construct), no tree clearing or any project construction activities on any portion of the parcel should occur until consultation under section 7 of the ESA, between the Service and the Federal action agency, is completed. Section 7 consultation is not complete until the federal action agency submits a determination of effects to this office, the Service concurs with the federal action agency's determination, and the federal action agency agrees to incorporate all the proposed conservation measures as mandatory conditions for any permit

Mr. Ben Rosner
June 29, 2018

4

decision rendered for this project. All measures must be installed prior to the start of any construction, and all measures must be implemented as proposed and be maintained until construction is complete. If there is no Federal nexus associated with this project, then no further coordination with this office is required.

Should project plans change or amendments be proposed that we have not considered in your proposed action, or if additional information on listed and proposed species becomes available, or if new species become listed or critical habitat is designated, this determination may be reconsidered. This technical assistance letter regarding effects to any federally listed endangered and threatened species does not apply if erosion and sedimentation measures fail due to improper maintenance. If erosion and sedimentation measures fail, further consultation with the Service will be required.

If you have any questions regarding this letter, please contact Amanda Selnick of my staff at (304) 636-6586, Ext. 24, or amanda_selnick@fws.gov, or at the letterhead address.

Sincerely,

A handwritten signature in black ink, appearing to read "John Schmidt", with a large, sweeping flourish at the end.

John Schmidt
Field Supervisor



Madison Cave Isopod

Antrolana lira

Description

The Madison Cave isopod is an eyeless, unpigmented, freshwater crustacean. It belongs to a family that consists of mostly marine species and a small number of freshwater species. The species is the only member of its genus and is the only freshwater cirrolanid isopod north of Texas. Its body is flattened and bears seven pairs of long walking legs. The first pair of legs are modified as grasping structures. It has a pair of short antennae and a pair of long antennae. Males reach a length of 0.6 inches; females reach a length of 0.7 inches. While most cave isopods spend the majority of their time walking along the bottoms of streams and pools, *Antrolana lira* spends much of its time swimming freely through flooded caves formed in ancient limestone.

Distribution and Habitat

The Madison Cave isopod is found in flooded limestone caves beneath the Great Valley of Virginia and West Virginia where it swims freely through calcite-saturated waters of deep karst aquifers. Recent discoveries in caves and wells have extended the range of the species 200 miles. The range of the isopod is now known from a 15 mile wide belt stretching from Lexington VA to Charles Town, WV. There are documented population centers in the Waynesboro-Grottoes area (Augusta County, VA), the Harrisonburg area (Rockingham County, VA), and the valley of the main stem of the Shenandoah River (Warren and Clarke counties, VA, and Jefferson County, WV).

Life History

The population size of the Madison Cave isopod is unknown at most sites. Sampling results suggest that the population is dominated by adults. The population structure of the Madison

Cave isopod suggests that it has a lengthy life span with a low rate of reproduction. It is not known how this species reproduces. Its feeding habitats are also unknown, however, it is believed to be carnivorous.

Conservation

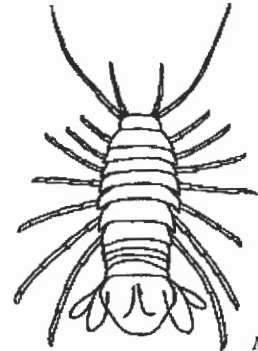
The Madison Cave Isopod was federally listed as a threatened species on November 3, 1982. Agriculture and encroaching industrial and urban development threaten the quality of groundwater habitat and thus the survival of this species.

What you can do to help

If you reside on property that borders a stream or other waterway within the range of this isopod, avoid using chemicals or fertilizers. To help control erosion and reduce run-off, maintain a buffer of natural vegetation along waterbodies and sinkholes. Sinkholes are natural depressions in the land surface that are formed by the collapse of an underground cavern roof. Never place anything into sinkholes because harmful materials can end up in underground streams. Install fencing to prevent livestock from entering streams, which will reduce siltation and input of waste products. Properly dispose of household wastes, including used motor oil, at recycling facilities and permitted landfills. Have your septic tank inspected regularly by a licensed professional. By following these land use practices, you are not only protecting the habitat of cave creatures but also protecting the quality of your drinking water.

To find out more about the Madison Cave isopod contact:

**Virginia Department of
Conservation and Recreation
Division of Natural Heritage
217 Governor Street, 3rd Floor
Richmond, Virginia 23219
804/786 7951**



M. Drummond

Virginia Department of Game and Inland Fisheries

P.O. Box 11104
Richmond, Virginia 23230
804/367 1000

References

Orndorff, W.D., and C.S. Hobson. 2007. Status Survey for the Madison Cave Isopod (*Antrolana lira*) in Virginia, 2005-2007. Natural Heritage Technical Report 07-11. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, Virginia. 17pp.

U.S. Fish and Wildlife Service. 1996. Madison Cave isopod (*Antrolana lira*) recovery plan. Hadley, Massachusetts.

U.S. Fish and Wildlife Service Virginia Field Office

6669 Short Lane
Gloucester, Virginia 23061
804/693 6694

<http://www.fws.gov/northeast/virginiafield/>

**Federal Relay Service
for the deaf and hard-of-hearing
1 800/877 8339**

**U.S. Fish & Wildlife Service
1 800/344 WILD
<http://www.fws.gov>**

October 2010

Burch, Patrick D

From: Burch, Patrick D
Sent: Monday, January 28, 2019 2:15 PM
To: Adams, Rick D
Subject: FW: Sharon Mullins Permit# WVG611874

Another one

From: Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Sent: Thursday, December 6, 2018 9:02 AM
To: Burch, Patrick D <Patrick.D.Burch@wv.gov>; Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: Sharon Mullins Permit# WVG611874

From: DEP Comments
Sent: Thursday, December 6, 2018 8:36 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Patel, Yogesh P <Yogesh.P.Patel@wv.gov>
Subject: FW: Sharon Mullins Permit# WVG611874

Not sure who else needs to see this,

Thanks -

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <sssi27@yahoo.com>
Sent: Wednesday, December 5, 2018 1:22 PM

To: DEP Comments <DEP.Comments@wv.gov>
Subject: Sharon Mullins Permit# WVG611874

December 5, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins;

I have some additional concerns/questions to my letter dated December 3, 2018 regarding the TeMa Facility in Jefferson County, West Virginia. Along with my concerns to the building permit issues pertaining to the floodplain, water sheds, sinkholes and pollution, I am curious to the water-cooled extruders.

It is my understanding that three extrusion lines equipped with electrical resistance heat, that can reach a melting temperature of about 480° Fahrenheit, will be operating in this facility and that the product will be water cooled on rollers. The unanswered and disturbing question is where is all this extremely hot water going? Is this a part of the storm water permit request or part of a sewer request? I am not able to locate how and where the water is going to go within the permitting.

Is this actually being requested as a Class V injection well? If so, this requires a different public comment procedure to enhance the previous comments and request as noted above.

I reserve the right to make further comment on this issue due to the fact that I don't have all the technical information. I would appreciate that information being forward to me.

Respectfully submitted,

David Tabb

107 Tabb Lane

Harpers Ferry, WV 25425

Burch, Patrick D

From: Burch, Patrick D
Sent: Monday, January 28, 2019 2:16 PM
To: Adams, Rick D
Subject: FW: Permit # WVG611874 (See attachments Public Comments review)
Attachments: Letter to Steven Pursley 10-31-18.pdf; letter from EPA 11-6-18.pdf; Motion Itr Appeal 11-28-18.pdf; TEMA permit DEP-DAQ request termination-Pursley.docx

Another one

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Monday, December 3, 2018 10:42 AM
To: Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: FW: Permit # WVG611874 (See attachments Public Comments review)

Another comment -

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

From: David Tabb <sssi27@yahoo.com>
Sent: Sunday, December 2, 2018 1:57 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Permit # WVG611874 (See attachments Public Comments review)

December 3, 2018

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins,

I, David Tabb a lifelong resident, property owner (farmer) with multiple businesses that is required to file reports weekly to the State and Federal governments, object to the approval of the above requested permit WVG611874. This project founded by the Jefferson County Development Authority has not followed any of the required studies or procedures to fund or build this facility. Building permit issued 3/23/18, expires 9/23/18 is further marked whether it is in a floodplain with no documentation to substantiate their marking the permit and further indicates no certification of their water or sewer source.

The TeMa facility is already built with building, driveways and parking lots already shedding water from the site with no retention or holding ponds to retain run-off on site. Any other project would have had to install stormwater management first, before the erecting a 41,590 square feet facility with an additional 40 to 50 thousand of square feet of driveways and parking. Ninety percent (90) of this building site is covered by either the building or asphalt. There is no place to even put a catch basic or retention pond in, if you requested one.

The Burr Business Park is already inundated with sinkholes with no consideration of the Karst topography. Several other businesses have been allowed to build within the Burr Business Park of which has overwhelmed the marsh area and has caused other sinkholes to develop.

This sixty plus tons of particulate matter projected to come from the TeMa facility will eventual go into the Karst topography water reserve and further effect the Elk Run/Chesapeake Bay Watershed. A hundred percent of residents/businesses receive their water from wells. Even the public water system is from a well on the Burr Business Park site.

The WVDEP/DAQ has already rewritten DAQ permit R13-3414, TeMa facility because of my research. The permit is now under appeal because of the best available control technology (BACT) has not been applied. I have enclosed my public comments dated October 6, 2018 for the WVDAQ permit R13-3414. The appeal of the permit dated October 31, 2018 and the notice of appeal to the Air Quality Board October 28, 2018 and the letter from EPA Region III stamp dated October 6, 2018. I request these documents to be reviewed prior to any decisions made during this public comment portion of which the public comments are to insure the integrity of the requested stormwater permit.

There has been no study of what the effect of building this facility would be and/or how it will affect the ground water. Then put 60 tons a year of particulate matter into the equation. How can you have a stormwater management permit without implementing any of the stormwater management requirements, this in itself is a violation of the so-called word "stormwater management".

Wherefore, reasons stated above I, David Tabb, request this permit to be rejected or at least put on hold until the notice of appeal to the Air Quality Board has render a decision, the stormwater management of the facility is unacceptable.

Awaiting a public hearing and/or a decision, of the constitutional rights to protect the resident's watershed,



David C. Tabb

David Tabb
107 Tabb Lane
Harpers Ferry, WV 25425
sssi27@yahoo.com
304-676-5976

October 31, 2018

Steven R. Pursley
West Virginia Department of Environmental Protection
Division of Air Quality
601m 57th Street, S.E.
Charleston, WV 25304

RE: Permit #R13-3414 TeMa North America, LLC
Plant #037-00110

Dear Mr. Pursley,

I appreciate your time that gave me incite on how to proceed further on the issues related to the TeMa air quality and construction permits.

I hereby request an appeal of the approved permit dated October 31, 2018, and to be set aside until further public hearings are held in accordance with WVDEP and WVDAQ public notice requirements. The approved permit listed above is not of the same content as listed at the previous public hearing held Ranson, West Virginia.

I have submitted some of the same issues, in my previous response of October 6, 2018, because I still believe the permits have not been properly addressed. Once again, I ask the WVDEP and WVDAQ to properly address all concerns of the residents in Jefferson County, that are directly affected by the allowance of this permit, without consideration of the health concerns and the quality of air and water that the residents of Jefferson County are accustom. I have also included additional concerns to the updated permits that you are required to address.

(1) The permit states the usage of natural gas. You informed the audience that natural gas is not on site yet and propane was going to be the alternative until natural gas is available. The usage of the propane requires storage tanks, that is not listed on the permit nor has the safety protocol been addressed or positioned in relation to the manufacturing site. I believe this is in direct violation of the permit itself and should terminate the existing permit. My argument is justified by the statement within their permit listed, **future** building of storage silos for raw materials, with size and all the safety protocols.

If TeMa U.S., LLC wishes to resubmit for an air quality permit that's ok. What's not okay is if the WVDEP/WVDAQ allows a partial request change of permit, remember the term complete, non-complete. Non-complete means terminate. This request is regarding rule 45CSR-13.

(2) The permit states the usage of a street sweeper to clean around the property. Where is the cleaning process of the roofs and sidewalks to reduce stormwater contamination of particulate matter? Since there are no stacks to dissipate the particulate matter one would assume the 50 plus tons per year will be right on site. Since their permit does not address the particulate matter on the rest of the property/grounds and/or surface water contact with the accumulation, this permit should be terminated. Remember the term complete/non-complete. This permit is not complete.

If TeMa U.S., LLC wishes to resubmit for an air quality permit that's okay. This request is regarding rule 45CSR-7.

(3) The WVDEP/WVDAQ is required to monitor a moderate pollution permitted facility. Within your presentation at the Ranson Civic Center, the monitoring from WVDEP/WVDAQ was not going to occur which is a violation within your own rules once a permit is approved.

(4) Within the approved October 31, 2018 permits I believe there are still deficiencies that the WVDEP and WVDAQ have failed to properly address. 1(a) In particular is the change from frack gas fuel to propane. This does not reflect in the air quality permit nor the existence of the propane tanks that can periodically vent during change of temperature. This also occurs within the filing process which directly affects the air quality permit since natural gas doesn't need to be vented. 2(a) The WVDEP and WVDAQ have failed to address the fire suppression requirement in proximity to the propane tanks due to the flammability in emissions, that the TeMa facility will produce.

It is my belief the WVDEP and WVDAQ are also additionally to protect the health and well being of the residents of Jefferson County. Failure to do so is unacceptable and violates the resident's constitutional rights. Of which, the residents are accustomed to clean air, water, and a safe environment.

I, David Tabb, request WVDEP/WVDAQ to set aside any permitting until which time the DEP/DAQ can construct and monitor the ambient air. Which will ensure the monitoring will occur prior to start up.

I will also be sending this to EPA Region III for review as well. I would appreciate a response of receiving this complaint request.

Wherefore, I request the WVDEP and WVDAQ to set aside the above listed permits and follow the rules on the required additional hearing, because of the changes to the permits **REQUESTED** by TeMa N.A. LLC.

Respectfully submitted,



David Tabb

P.S. Is TeMa U.S. LLC required to have a liability insurance policy pertaining to the air quality permit? In case of a possible incident, that could cause damage to the public and surrounding areas.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Mr. David C. Tabb
107 Tabb Lane,
Harpers Ferry, West Virginia 25425

NOV 06 2018

Dear Mr. Tabb:

Thank you for your October 6, 2018 letter to Administrator Wheeler seeking the Environmental Protection Agency's (EPA) oversight and intervention in the preconstruction permitting procedures related to the draft air quality permit for TeMa North America, LLC's Jefferson County Operations in Kearneysville, West Virginia. In your letter, you highlighted several concerns with the proposed permit. These are concerns you also raised with the West Virginia Department of Environmental Protection (WVDEP) via a letter dated October 6, 2018; a copy of which you shared with us.

Under the framework of the federal Clean Air Act, EPA is a co-regulator along with various state and local clean air agencies that have been approved to issue permits by EPA. As an oversight agency and a co-regulator, EPA reviewed this permit and provided our comments to WVDEP during the public comment period. Along with EPA, fifty-two members of the public also provided written comments on the draft permit, and a further nineteen provided oral comments at a public hearing organized by WVDEP on October 4, 2018 at the Ranson Civic Center in Jefferson County.

WVDEP addressed EPA's and TeMa's comments in its Final Determination, and it addressed the public comments in a separate Response to Comments document, both dated October 31, 2018. The specific concerns you raised have also been addressed by WVDEP. Further, WVDEP made certain changes to the permit record that address these comments. In our assessment, the final permit issued to TeMa on October 31, 2018 meets all the federal and state requirements as they apply to such an industrial facility, and that WVDEP followed all due procedures before issuing the permit to TeMa.

If you have any questions, please do not hesitate to contact Mr. Himanshu Vyas of my staff at 215-814-2112 or at vyas.himanshu@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Cristina Fernandez".

Cristina Fernandez, Director
Air Protection Division

WEST VIRGINIA AIR QUALITY BOARD

David C. Tabb

APPELLANT,

V.

Appeal No.

DIRECTOR, DIVISION OF AIR QUALITY,

William Durham,

DEPARTMENT OF ENVIRONMENTAL PROTECTION,

Appellee.

Burr Business Park
Permit Application No. R13-3414
Facility ID No. 037-00110
TeMa North America, LLC
Jefferson County Facility
395 Steeley Way
Kearneysville, WV 25430
Approved October 31, 2018

NOTICE OF APPEAL

MOTION TO STAY

MOTION TO DENY/DISMISS PERMIT

Now comes Appellant, David C. Tabb from the County of Jefferson and the State of West Virginia, hereby give **Notice of Appeal**, with **Motion to Stay and/or Motion to Deny/Dismiss** the above listed TeMa North America permit #R13-3414, Facility ID #037-00110, approved October 31, 2018.

The Appellant files this appeal under the authority of the West Virginia Air Quality Board appeal process within these 30 days allowed of the permit approval dated October 31, 2018. The Appellant further makes note, the WVDEP/DAQ failed to make notice in any publication listing the procedures for "Notice of Appeal" or allow public review of the revised permit before final approval. Appellant filed a request of an appeal (exhibit D) dated October 31, 2018 to Steven R. Pursley of the WVDEP/DAQ. Only after Mr. Pursley advised Mr. Tabb, the appellant become aware of the now filed notice of appeal. The appellant's good faith attempt to appeal the TeMa permit should be also considered as a proper notice of filing. Appellant has also included a letter date stamped November 6, 2018 (exhibit E), from the USEPA, to assist within the appeal process indicating improper procedures that took place. Appellant believes this is grounds to grant the "Motion to Stay" and/or "Motion to Deny/Dismiss Permit" to wit:

(1) WVDEP/DAQ failed to include how and when to file notice of appeal of the above listed permit. WVDEP/DAQ ignored allowing public review of the revised permit before final approval (exhibit A) and or DEP "response to public comment (exhibit B). WVDEP/DAQ further failed to include the WV Codes of Authority within any of the notices and/or proposed permit release such as WV Codes §22-5-1 to §22-5-

18/§22-1-6 or §22-1-8. The Appellant has included (exhibit C) Construction Permit, issued: Draft, as required for the record.

Appellant further states that the WVDEP failed to make notice of its primary obligations WV Code §22-1-1: "Restoring and protecting the environment is fundamental to the health and welfare of individual citizens, and our government has a duty to provide and maintain a healthful environment for our citizens." At what point was the WVDEP going to inform the public of their fiduciary responsibility in accordance with WV Code §22-1-1 through §22-1-17? And to further include WV code §22-1A-2 "It is the policy of this state that action by the Division of Environmental Protection affecting private real property is subject to such protection as is afforded by the Constitutions of the United States and of West Virginia and the principles of nuisance law. The Legislature intends that the Division of Environmental Protection follows certain procedures to ensure Constitutional protection of private real property rights, while also meeting its obligation to protect the quality of the environment, and reduce the burden on citizens, local governments and this state caused by certain actions affecting private real property."

(2) Statutory Authority of the DAQ

GENERAL RESPONSE TO COMMENTS

Statutory Authority of the DAQ

The statutory authority of the of the DAQ is given under the Air Pollution Control Act (APCA) – West Virginia Code §22-5-1, et. seq. – which states, under §22-5-1 ("Declaration of policy and purpose"), that:

It is hereby declared the public policy of this state and the purpose of this article to achieve and maintain such levels of air quality as will [underlining and emphases added] protect human health and safety, and to the greatest degree practicable, prevent injury to plant and animal life and property, foster the comfort and convenience of the people, promote the economic and social development of this state and facilitate the enjoyment of the natural attractions of this state.

Therefore, while the code stated that the intent of the rule included the criteria outlined in the latter part of the above sentence, it is clear by the underlined and bolded section of the above sentence that the scope of the delegated authority does not extend beyond the impact of air quality on these criteria. Based on the language under §22-5-1, et. seq., the DAQ, in making determinations on issuance or denial of permits under 45CSR13, does not take into consideration substantive non-air quality issues such as job creation, economic viability of proposed product, strategic energy issues, non-air quality environmental impacts, etc. Beyond the DAQ's position that the code does not grant us the authority to take into consideration such issues, it is also self-evident that these issues are beyond the expertise of the Division of Air Quality and that most are regulated by other bodies with the mandates and expertise to do so.

The Appellant has posted the above quote from the "WVDEP Response to Public Comment" (Exhibit B) page 2 as listed above WV Code §22-5-1 is the primary code of law to insure the health, safety, economic well-being of people, plants, animals and property.

The WVDAQ has made the statement of not having the experience nor the authority that the WV Code does not grant. If the statement is true then why did the DEP respond for the DAQ public

comments? The Appellant once again believes the DAQ and DEP are of one of the same agencies. The WV Code does not distinguish the authority of the WVDAQ or WVDEP (WV Code §22-5-1 thru 18).

Once again, the DAQ will argue this is not under their authority. The Appellant believes, what was the DAQ's authority to allow the DEP to address every question during the public comments? The Appellant presents this variety of questions to the air quality board, is the DEP separate from the DAQ? And versus is the DAQ separate of the DEP? If separate then the public comments are invalid. If both DEP and DAQ are of equal of responsibility and requirements, the DEP has failed to uphold the WV Code §22-5-1 thru 18.

The Appellant believes the WVDEP/DAQ are of the same agency and neither is excluded from the requirements of law "To provide a framework within which all values maybe balanced in the public interest." (WV Code §22-5-1)

The WVDEP response to public comments (Exhibit B) was never properly responded to, just because you made a response does not mean it's an appropriate legal response. On October 4, 2018 a public hearing was held in Ranson, WV. The majority of comments were about the health, safety and property of the general public and their children. Concerns were raised about the long-term effect of the pollution including and not limited to the loss of property values, crops, livestock and horses with potential long-term disability.

The Appellant has already witnessed the toll taken on the people of the Appalachian Region of which were to be included within these proceedings. (WV Code §22-5-1) "to facilitate cooperation across jurisdictional lines in dealing with problems of air pollution not confined within single jurisdictions." WV Code §7-12-7 also requires the Appalachian Region to be included, not excluded and to insure economic prosperity. The WVDEP/DAQ failed to include the Appalachian Region within their notice, therefore breaking the law that is to protect the public and their livelihood and or property. The health of the public is required to be protected and has been ignored. There has already been one death in the County of Jefferson, Mrs. Ramey at age 46, who was posting on social media 24/7. The local hospitals and doctors have reported an uptick in stress related illnesses associated with a type of PTSD syndrome.

Appellant believes even with the statement above should be ample to dismiss the TeMa permit #R-13-3414, when in fact there are abundant issues that were never addressed within the permitting application.

(3) Statutory Basis for Permit Denial:

On page (2) and (3) of the WVDEP "Response to Public Comments" states the following to wit:

Statutory Basis for Permit Denial

The basis for issuance or denial of an air quality permit is given under WV Legislative Rule 45CSR13 – "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits and Procedures for Evaluation." Pursuant to §45-13-5.7, the DAQ shall issue a permit unless:

a determination is made that the proposed construction, modification, registration or relocation will violate applicable emission standard, will interfere with attainment or maintenance of an applicable ambient air quality standard, cause or contribute to a violation of an applicable air quality increment, or be inconsistent with the intent and purpose of this rule or W. Va. Code §22-5-1 et seq., in which case an order denying such construction, modification, relocation and operation shall be issued. The Secretary shall, to the extent possible, give priority to the issuance of any such permit so as to avoid undue delay and hardship.

It is clear under 45CSR13 that denial of a permit must be based on one of the above explicitly stated criteria or, as noted, is inconsistent with the intent of 45CSR13 or §22-5-1, et. seq. As is stated above, it is the DAQ's position that the intent of both the APCA and in West Virginia's State Implementation Plan (SIP).

The air quality issues evaluated relating to TeMa's application to construct a plastics extrusion facility are outlined in the DAQ's Engineering Evaluation/Fact Sheet made public on September 12, 2018. The issues covered under that document represent the extent of the substantive air quality issues over which the DAQ believes it has authority to evaluate under 45CSR13 and the APCA as relating to TeMa's Permit Application R13-3414.

The Appellant further points out the WVDEP/DAQ with their own listings support the motion to dismiss the above listed permit, by listing the requirements to insure "Ambient Air Quality Standards" and failed to implement the requirements of the WV Code §22-5-1 to §22-5-18. The public comments list numerous times the concerns of the health and safety of all living things including plants and animals with no insurance or precedence one can follow or file claim of one's loss. The WVDEP responses to public comments further failed to "foster the comfort and convenience of the people, promote the economic and social development of this state and facilitate the enjoyment of the natural attractions of this state." Appellant also includes the notice from the Jefferson County Historic Landmark Commission condemning such facilities without the approval and/or it's input to historic preservation that is required by law WV Code §8-26A-1 to §8-26A-18.

(4) Response from EPA and return response from WVDEP/DAQ. Appellant has not received correspondence from the EPA nor the WVDEP/DAQ and reserve the right to respond after receiving such correspondence through discovery.

(5) WVDEP/DAQ response:

The TeMa facility is a "light industry, not a heavy industry"

Appellant response:

The Jefferson County Building Permit indicates moderate. To respond with no substance is not a response, it is a coverup.

(6) Appellant further believes the Jefferson County Building Permit indicates this building is a type IIB facility that is exposed to fire. This is in the building and contents code. Appellant once again believes the WVDEP/DAQ under WV Code §22-5-1 to §22-5-18 are required to insure the health and safety of the

County of Jefferson. Such a structure, some 41,591 square feet, full of combustible materials, if burned it would produce toxic materials into the air and water which the WVDEP/DAQ are required to prevent. WV Code §22-5-1 to §22-5-18, are required to reduce and prevent pollution not to increase pollution and to employ the requirement of Best Available Control Technology (BACT). Appellant makes note to the fact BACT has not been implemented within this permit. If BACT was implemented, Appellant believes majority of the pollution would be eliminated. Failure to do so would violate the residents and their properties including plants and animals, WV Code §22-5-1 to §22-5-18 is clearly in control WVDEP/DAQ and has no right to ignore this WV Code. The WVDEP/DAQ is required to monitor all air and water pollution to insure the residents of the Appalachian Region a healthy, safe and a prosperous environmental environment. The closest monitoring system is upwind some 20 miles away with over 15 schools/college campuses within this radius. The USDA fruit and berry research facility, is across the street with 600 acres of experiments. Appellant has stated this before with no response, again violating the processes of public hearings and including the controversy of those who will be affected. Appellant further believe the WVDEP/DAQ failed to address the requirement of the WV Code to implement BACT and ignored public comments, that violates the rights of the public, of those who will suffer the burden of loss.

Wherefore Appellant appeals the TeMa #R-13-3414 permit for ignoring the laws of authority. The WVDEP/DAQ, that has been presented have failed to properly include the rules and procedures of notice and ignored a second public hearing of the revised permit. The WVDEP/DAQ response to public comments were incomplete statements that ignored the concerns that were presented. The WVDEP/DAQ failed to implement the BACT requirement to insure compliance of WV Code §22-5-1 to §22-5-18.

Appellant further sites the WVDEP/DAQ the failure to review the requirements and obligations of WV Code §22-1-1 thru §22-1-17 and WV Code §22-1A-2, constitutional responsibilities to the properties of the residents and to include the Appalachian Region. (WV code 7-17-7)

Appellant hereby request a stay on the above listed Air/Construction permit and properly address this appeal before TeMa is permitted a startup. Appellant further requests reimbursement of expenses and allowed teleconference within these proceedings. Appellant has also discovered frequency of postponements of hearings to furthering discourage the appellant appeal without compensations.

The Appellant takes the position the WVDEP/DAQ are to protect, not exploit, this world's air and water. If pollution goes into the air it will end up in the water. TeMa's permitted pollution, that the Appalachian Region is not accustomed to, is unacceptable. BACT has not been properly applied, therefore with the reasons listed above the Appellant, David Tabb, a guardian of the Appalachian Region, hereby requests the Permit #R-13-3414 and Facility #037-00110 respectfully be denied after the hearing process.

Respectfully submitted,



David C. Tabb

CERTIFICATE OF SERVICE

I, David C. Tabb, do hereby certify that I, on this 28th day of November, 2018 served the attached *Notice of Appeal, Motion to Stay, Motion to Deny/Dismiss Permit* to all parties in Appeal no.

(to be inserted and distributed) as follows:

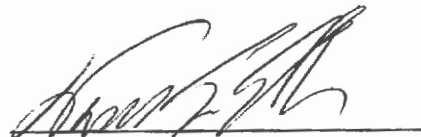
By United States Mail, postage prepaid:

Jackie Shultz, Clerk
Air Quality Board
601 57th Street, SE
Charleston, WV 25304

Jason Wandling and distributed parties
WVDEP – Office of Legal Services
601 57th Street, SE
Charleston, WV 25304

William Durham
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304

TeMa USA, LLC
Jefferson County Facility
395 Steeley Way
Kearneysville, WV 25430



David C. Tabb

cc:
EPA – Region III
1650 Arch St
Philadelphia, PA 19103

Via – Email
Vyas.himanshu@epa.gov

October 6, 2018

David Tabb
107 Tabb Lane
Harpers Ferry, WV 25425
sssi27@yahoo.com
304-676-5976

Steven R. Pursley
West Virginia Department of Environmental Protection
Division of Air Quality
601m 57th Street, S.E.
Charleston, WV 25304

RE: Permit #R13-3414 TeMa North America, LLC
Plant #037-00110

Dear Mr. Pursley,

I appreciate your time spent with the residents/taxpayers of Jefferson County. I have separated my questions from which I believe is a violation of the permit to wit:

(1) The permit states the usage of natural gas. You informed the audience that natural gas is not on site yet and propane was going to be the alternative until natural gas is available. The usage of the propane requires storage tanks, that is not listed on the permit nor has the safety protocol been addressed or positioned in relation to the manufacturing site. I believe this is in direct violation of the permit itself and should terminate the existing permit. My argument is justified by the statement within their permit listed, **future** building of storage silos for raw materials, with size and all the safety protocols.

If TeMa U.S., LLC wishes to resubmit for an air quality permit that's ok. What's not okay is if the WVDEP/WVDAQ allows a partial request change of permit, remember the term complete, non-complete. Non-complete means terminate. This request is regarding rule 45CSR-13.

(2) The permit states the usage of a street sweeper to clean around the property. Where is the cleaning process of the roofs and sidewalks to reduce stormwater contamination of particulate matter? Since there are no stacks to dissipate the particulate matter one would assume the 50 plus tons per year will be right on site. Since their permit does not address the particulate matter on the rest of the property/grounds and/or surface water contact with the accumulation, this permit should be terminated. Remember the term complete/non-complete. This permit is not complete.

If TeMa U.S., LLC wishes to resubmit for an air quality permit that's ok. This request is regarding rule 45CSR-7.

(3) The WVDEP/WVDAQ is required to monitor a moderate pollution permitted facility. Within your presentation at the Ranson Civic Center, the monitoring from WVDEP/WVDAQ was not going to occur which is a violation within your own rules once a permit is approved.

I, David Tabb request WVDEP/WVDAQ to delay any permitting until which time the DEP/DAQ can construct and monitor the ambient air prior to permit being issued. Which will insure the monitoring will occur prior to start up.

I will also be sending this to EPA Region III for review as well. I would appreciate a response of receiving this complaint request.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'David Tabb', written in a cursive style.

David Tabb

P.S. Does TeMa U.S. LLC required to have a liability insurance policy pertaining to the air quality permit, in case of a possible incident that would cause damage to the public and surrounding areas?

Burch, Patrick D

From: Burch, Patrick D
Sent: Monday, January 28, 2019 2:16 PM
To: Adams, Rick D
Subject: FW: WVG611874

Another one

-----Original Message-----

From: DEP Comments <DEP.Comments@wv.gov>
Sent: Monday, December 3, 2018 10:41 AM
To: Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: FW: WVG611874

Please see below,

Thanks -

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

-----Original Message-----

From: Mullins, Gladys K
Sent: Monday, December 3, 2018 10:11 AM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: RE: WVG611874

It is Patrick Burch

-----Original Message-----

From: DEP Comments
Sent: Monday, December 3, 2018 9:06 AM

To: Mullins, Gladys K <Gladys.K.Mullins@wv.gov>; Bosley, Jon M <Jon.M.Bosley@wv.gov>
Subject: FW: WVG611874

Is this permit yours?

Jake Glance
Communications Director

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Office: (304) 926-0499 ext. 1335
Mobile: (304) 993-0473

Online: www.dep.wv.gov/
Facebook: www.facebook.com/depwv/
Twitter: www.twitter.com/depwv
YouTube: www.youtube.com/wvenvironment

Please consider the environment before printing this email.

-----Original Message-----

From: Nancy <nfeeney11@gmail.com>
Sent: Sunday, December 2, 2018 12:45 AM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: WVG611874

Please deny this permit.

The waterways do not need the pollution that will be generated by this plant. The soil topography is not suited for this type of runoff.

It is time that the state look to keep Clean Water and eliminate toxic plants.

Denying this permit will help West Virginia ensure a better future for the children.

Thank You
Nancy Feeney

PUBLIC HEARING SIGN IN SHEET

TeMa • Permit WVG611874 – TeMa/Jefferson County project
January 30, 2019 – 6 p.m. • Ranson Civic Center - Ranson, WV

The West Virginia Department of Environmental Protection asks for the information below so that agency staff may provide responses and information about decisions to you. *The information you voluntarily provide on this sheet becomes part of the public record related to this topic and may be released if requested under the Freedom of Information Act.*

Name (PLEASE PRINT)	Mailing Address	Phone Number	Email Address	Organizations Represented	Do you wish to speak at this hearing?
Barbara Graver	443 Turner Rd Shepherdstown WV		bagraver@yahoo.com	Self	NO
Shaun Amos	1091 WEST RIDGE HARRIS FERRY		PROFATL6506@AOL	SHAUN AMOS HFWW	YES.
Aileen Curtman	1067 Cornstock Dr, Shepherdstown, WV 25493		acurtman@gmail	self	YES

PUBLIC HEARING SIGN IN SHEET

TeMa • Permit WVG611874 – TeMa/Jefferson County project
January 30, 2019 – 6 p.m. • Ranson Civic Center - Ranson, WV

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Name (PLEASE PRINT)	Mailing Address	Phone Number	Email Address	Organizations Represented	Do you wish to speak at this hearing?
Tim Ross	1853 FLOWINGSPRING LN CHARLES TOWN WV 25414	304 724 7612	RedROSS44@yahoo.com	SELF	YES
David Lillard	82 Sybil Court Shepherds town WV 25413	304 876 2860	david@ lillard.s.com	EIKS Run watershed GROUP	YES
REGINA HENDRIX	65 BRADFORD AVE CHAS. TOWN WV 25414	304-725- 0223	REGINA.HENDRIX @comcast.net	SELF	YES
Dennis Flynn	152 Fraughn Hill Charles town WV 25414	304-660-0088	—	SELF	NO
Tracy Cannon	251 Sapwood Dr Hedgesville WV 25427	304-616-0422	tracycannon27@ gmail.com	Self Sierra Club	NO
Math McKinney	8375 LEETOWN RD KEANSVILLE WV	301-513-7841	—	SELF	NO
Ned Marshall	589 Edgewood S. 2nd Rd Shen. Jct., W.V	304 876 6716	Nmarzke@gmail.com	self	YES

PUBLIC HEARING SIGN IN SHEET

TeMa • Permit WVG611874 – TeMa/Jefferson County project
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Name (PLEASE PRINT)	Mailing Address	Phone Number	Email Address	Organizations Represented	Do you wish to speak at this hearing?
Mary Ellen Ross	1853 Flowing Springs Rd Charles Town, WV PO Box 547	304-724-762	paigntonct@frontier.net.net	self	No
Ruth Hatcher	Ranson, WV 25438	304-671-7214	ruthhatcher756@hotmail.com	self	?
Mary B. Reed	245 Lariat Dr. Kearneysville, WV 25430		marybreed@frontier.com	self	
David TAB	107 TABB LN. Harpers Ferry, WV 25425	304 676 5976	555127@whop.com	self	yes
KAREN GLENNON	67 BRIERLY COURT SHEPHERDSTOWN WV 25443		kkellyglennan@gmail.com		no
Jennifer King	55 EVCHART Dr. Kearneysville	304-837-3837	info@evchart.com	self	YES
Aaron Lennox	PO Box 1747 Shepherdstown, WV 25443	304 839 2321	aaron.lennox@outlook.com	self	No
Addison Reese	122 Larkspur Lane Shepherdstown, WV 25442	301-788-7239	addisonreese@gmail.com	self	yes
MARY ELLEN FOWLER	306 S GEORGE ST RANSON, WV 25438	304-725-1974	EMMYfowler@aol.com	SELF	No thanks

BEFORE THE WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
PUBLIC INFORMATION OFFICE

* * * * *

IN RE: PERMIT WVG611874-TEMA/JEFFERSON COUNTY PROJECT
PUBLIC HEARING

* * * * *

BEFORE: TERRY FLETCHER, DEP
RICK ADAM, DEP
PATRICK BURCH, DEP

ORIGINAL

HEARING: Wednesday, January 30, 2019
6:00 p.m.

LOCATION: Ranson Civic Center
431 West 2nd Avenue
Ranson, WV 25438

WITNESSES: David Tab, Jennifer King, Addison Reese, Tim
Ross, David Lillard, Regina Hendrix, Shaun Amos, Aileen
Curfman, Ruth Hatcher, Dennis Flynn, Shaun Amos, Dennis
Flynn

Reporter: Bernadette M. Black
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TESTIMONY

By Mr. Amos

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TESTIMONY

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CLOSING REMARKS

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CERTIFICATE

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NONE OFFERED

P R O C E E D I N G S

1
2 -----
3 MR. FLETCHER: Good evening. My name is
4 Terry Fletcher and I'm with the West Virginia Department
5 of Environmental Protection's Public Information Office.
6 Welcome to the public hearing on Permit WVG611874 the
7 TeMa Jefferson County Project. With me tonight is
8 Patrick Burch and Rick Adams with the DEP's Division of
9 Water and Waste Management. And Dennis Stottlemeyer with
10 the DEP's Office of Environmental Advocate. And court
11 reporter, Bernadette Black.

12 The purpose for a public hearing is to
13 give you the opportunity to share your comments or
14 information about the permit with the DEP. Tonight's
15 meeting is being recorded by a court reporter so that the
16 comments you share can be taken into consideration and
17 entered into the public record for this permit. A
18 decision will not be made this evening. The transcript
19 will be reviewed and considered by the staff and you will
20 receive notification once a decision is made.

21 Because we are here to hear your comments
22 and get them on the record, this is not a form to engage
23 the DEP in an open discussion for debate about the
24 permit. After those who wish to speak have done so we

1 will close the hearing and the record.

2 If you have questions you would like to
3 ask about the permit, some of the staff will stick around
4 to try and answer your questions. However, we cannot
5 answer them during the hearing portion.

6 To ensure that we successfully achieve the
7 purpose of this meeting, we ask that everyone be
8 respectful and considerate of each other by refraining
9 from using foul language, name calling, interrupting
10 others while they are speaking and by keeping your
11 comments on the topic of this permit so that our time
12 together can be used efficiently.

13 I will call you up in the order we have
14 your name on the sign-in sheets. Please state your name,
15 where you live and if you're with any groups or
16 organizations. If you have written comments that you
17 would like to submit in addition to your spoken comments,
18 please hand them to me after you speak or at the
19 conclusion of the meeting.

20 We will now begin with our first speaker.
21 First we have David Tab followed by Jennifer King and
22 Addison Reese.

23 MR. TAB: David Tab. Jefferson County
24 resident, lifelong history back to 1636. First off, I

1 would like to thank all of the DEP people for coming here
2 tonight. This has not happened by an accident. We've
3 already made our statements. We've already made our
4 structures. They do listen when you get to the right
5 people. So for that I appreciate them being here. It's
6 cold out. I was hoping to see a lot more - or a lot of
7 other people here tonight, but they're starting to get
8 the message.

9 The biggest concern I have is the
10 endangered species. I've already sent some of this
11 documentation to the DEP on this stormwater management
12 permit. And have made it very clear that this facility
13 is up and ready to run. All they have to do is push a
14 button. I'm not sure if they have pushed the button yet
15 but they're not supposed to. And the only reason why
16 they even need a stormwater permit is because of the
17 amount of pollution that's going to be produced, between
18 50 and 60 tons of plastic particulate matter, that's
19 going to come out that will go into the air but will end
20 up in the water.

21 This facility was built and was given
22 clearance by the county with a - just a building. 4200
23 square feet that was okay for that but it was never okay
24 for the amount of pollution that came out. They were

1 supposed to put in centrifuges and air collection or a
2 filter system that that permit is being challenged in
3 this town and by the end of this week will be challenged
4 in the Jefferson County Circuit Court due to the fact
5 that there was a rewrite on the air quality permit
6 construction that was never brought to the people's
7 attention and Region 3 - the EPA is going to be involved.

8 The Madison Cave Isopod is the endangered
9 species. This facility is built on two lots, Lot 19 and
10 20 with an option on Lot 18 and 21. Which on Lot 21 is a
11 sinkhole. There's been a request for the water to cross
12 over Lot 21 and possibly get to the Highway Department.
13 And well, guess what, it doesn't get there because it
14 goes in the sinkhole first.

15 This is a direct violation of any
16 endangered species. I'm in contact with Fish and
17 Wildlife and they know of no study or request for this
18 permit and its structure. And they are here, both above
19 ground and underground. This needs to be looked at. It
20 needs to be studied. We really don't have to study it
21 because they are here. And actually the Leetown Fish and
22 Wildlife facility actually produced the study over about
23 a five year period. They are here, they are endangered,
24 they are protected. And if the construction and air

1 quality would do their job and put in the equipment that
2 was requested you wouldn't even need one. You would not
3 need a stormwater management because there wouldn't be
4 any pollution.

5 I am not against business. I am for zero
6 emissions. I have to follow the laws and rules, so
7 should everybody else. Especially when this facility is
8 costing the taxpayers somewhere close to \$10 million
9 already built push button and these people haven't paid a
10 penny. And the contract was signed in '17 before even
11 any of the permits and stuff were brought forth.

12 This is a bad deal. We have another bad
13 deal, but I think we can use this as a stepping stone.
14 Everyone needs to stand up, they need to be heard. These
15 people are here to listen to us. Be nice to them,
16 please. I have and they listen to me. And they granted
17 my request here tonight. I'm not the only one but I was
18 pretty fortunate. They came a long way. I appreciate
19 your time. Hopefully they're listening and will study
20 this. And will make sure that - the human race is not an
21 endangered species yet. So they're allowed to kill us,
22 but they're not allowed to kill the Madison Cave Isopod.
23 So again, that's illegal.

24 So I hope everyone here enjoys themselves.

1 I think we got a pretty cool group. And again, I thank
2 you for your time. I hope they're listening. I will be
3 sending some more information of some other violations
4 that are occurring. And please respond to the public
5 comments. And release that at least 30 days prior to
6 admitting the permit. Due to the fact that the EPA is
7 watching and they agree along with me that you cannot
8 submit the public comment and structure before or at -
9 just right at the same time that you do the permit. So
10 you really need to understand that this is a requirement.
11 Just take your time.

12 MR. FLETCHER: Okay.

13 Next we have Jennifer King followed by
14 Addison Reese.

15 MS. KING: Hi everyone. I'm Jennifer
16 King. I really don't have a speech prepared but I would
17 just like to say I don't think anybody should be allowed
18 to dump waste onto the ground, no one, or into rivers.
19 And we don't know what exactly their waste is going to
20 be. It's a plastic company and there's a lot of nasty
21 stuff that's in plastic. And I think that the Hopewell
22 Run will be affected as well. And the Hopewell Run is
23 out there by the USGS, so -. And actually I think that's
24 a closer body of water than what Elk Run might be.

1 I'd just like to say that I don't
2 understand. Haven't we learned anything from accidents
3 that's happened? Have we not learned anything about
4 companies dumping their waste onto the ground? What
5 about Minden? You know, the people of Minden are
6 scraping and scratching to get out of there. They're
7 begging the EPA to declare it a Superfund. They need to
8 get out. Cancer is coming up, clusters like crazy there.
9 And that's because a company dumped their waste. It was
10 contained full of PCP. So again, have we not learned
11 anything?

12 And yes, the Madison Cave Isopods, we
13 don't have to study them. We know they're here. We've
14 done lots of studies to know they're already here. And
15 nothing is being done to protect them. Rockwell already
16 probably killed thousands of them. JUI is probably
17 killing thousands of them right now. This is crazy.
18 This is madness. We need to gain control of our county
19 again and our state. Thank you.

20 MR. FLETCHER: Next we have Addison Reese
21 followed by Tim Ross and David Lillard.

22 MS. REESE: My name is Addison Reese.
23 A-D-D-I-S-O-N, R-E-E-S-E. I didn't really have time to
24 prepare much for this. So these are just my thoughts on

1 the public notice. It was unacceptably vague. It didn't
2 say the company in question, the facility, the type of
3 permit, the facility ID number. I contacted the person
4 listed on the notice, Sharon Mullens, I emailed her and
5 called her several times with no response asking for a
6 copy of the permit and telling her my concerns about the
7 public notice.

8 The address for the Jefferson County
9 Development Authority is the same as the Civic Center. I
10 was only able to confirm what the hearing was for when I
11 Google searched the permit number. And West Virginia
12 River's website had an original posted on the comment
13 period that we had before in the hearing. Because when I
14 looked on the DEP's website I searched the permit number
15 with no results. I typed in TeMa and still wasn't able
16 to find it. So if I would have spent more time maybe I
17 could have, but it shouldn't be that difficult. Thanks.

18 MR. FLETCHER: Next we have Tim Ross
19 followed by David Lillard and Regina Hendrix.

20 MR. ROSS: Tim Ross. It's tango, Indian,
21 Mike, Romeo, Oscar, sierra, sierra. I live in Charles
22 Town. I agree with everything that David and Jennifer
23 has said so far. But I also - I had a difficult time -
24 and I've gone to the permit thing a lot. It's easy to

1 find the permits that are approved but it's very
2 difficult to find the permits that are submitted. Okay.
3 So - I mean, I've gone there time after time and I've
4 bookmarked it and I can't find it.

5 But anyway, my main concern as alluded to,
6 I did finally find the permit where you go from section
7 to section to section. And the owner of this permit is
8 the JCDA and the responsible person is Jane Jones. Jane
9 Jones is the administrative assistant out at the JCDA
10 building. You all may not be aware but I think - I think
11 she'd be a good administrative assistant but I don't know
12 if she's the person to be handling the permit. You may
13 not be aware, I think the last JCDA meeting was
14 September, maybe. The JCDA, the majority of the members
15 resigned on November 8th. So basically there is no JCDA.

16 If you would issue a permit to JCDA, it's
17 like going to the intensive care unit and giving a driver
18 license to someone in a coma. Okay. There should not be
19 any permit given to the JCDA because it doesn't really
20 exist. Two weeks ago our county commissioners
21 entertained the idea of getting rid of the JCDA. And on
22 tomorrow's meeting on the agenda they're still talking
23 about rearranging it. Okay. So I don't think you should
24 issue the permit to somebody who is not really there.

1 Okay.

2 Second part, I looked and there's a list
3 of all the pollutants that could be entered into the
4 water. And there's none. So according to the permit
5 that I saw they're going to be taking - and I think it's
6 a few thousand gallons. It's hard for me to read the
7 thing. But it's basically pure water. Right. Which
8 doesn't make sense to me that pure water is coming out of
9 this factory. And it is going to go into Elk Run which
10 is the water supply for Harpers Ferry. It's the only
11 community that has their - gets their water from a
12 surface stream. Okay. So I don't think that's a good
13 idea to take water from a factory that says there's
14 nothing in the water. It just doesn't make sense to me.

15 All right.

16 So I don't think you should issue the
17 permit because there's nobody there to issue it to. All
18 right. There's an executive director but there's no
19 voting members on that Board. Okay. The person in
20 charge is an administrative assistant. I don't see
21 really how she could answer questions about it. And
22 you're dumping water into a municipality's water supply.
23 So I think that's about it. I do - I do appreciate you
24 all coming out here.

1 If you're cold, there's many stores that
2 sell sweatshirts like mine if you'd like one.

3 MR. FLETCHER: Next we have David Lillard
4 followed by Regina Hendrix and Ned Marshall.

5 MR. LILLARD: Thank you and thanks to all
6 of you for coming out on a cold night. My name is David
7 Lillard of Jefferson County. And I'm here tonight with
8 the Elks Run Watershed group. We're a group of
9 volunteers working with businesses and community groups
10 to restore Elks Run, which is the drinking water supply
11 for Harpers Ferry and Bolivar.

12 I reviewed the technical comments prepared
13 by West Virginia Rivers Coalition and a few of them stand
14 out. I'd like to comment on those. First is Elk Branch.
15 The stormwater from the facility drains into an unnamed
16 tributary of Elks Branch, which is a stream listed 303(d)
17 list for people with coliform and biological criteria.
18 It has a TMDL. Nutrient loads and stormwater runoff
19 including from new development are prescribed to stay the
20 same. So monitoring the outfalls of LS1 and 2 from this
21 facility is needed to ensure no net increase of
22 pollutants in the watershed by law.

23 Potential pollutants to permit floatable
24 plastic pellets and zinc as potential stormwater

1 pollutants associated with the facility. While they are
2 monitoring requirements for zinc in the permit there are
3 no monitoring requirements for detecting plastics in the
4 outfalls. There is no plan for best management practices
5 listed in the application to manage the plastic pellets
6 to prevent them from entering the stormwater and there
7 should be.

8 In terms of benchmark parameter Section
9 1.9.1, stormwater pollution prevention states that TeMa
10 will implement additional BMPs if laboratory results
11 determine that benchmark values are being exceeded.
12 However, only - the only parameter assigned is for
13 monitoring zinc.

14 Benchmark perimeters are put in place to
15 determine if stormwater discharge from any given facility
16 merits further monitoring to ensure the facility has been
17 successful in implementing stormwater pollution. DEP
18 cannot determine if the facility is successful in
19 preventing stormwater pollution if no monitoring is
20 required. So as a new facility DEP must require all 40
21 benchmark parameters to be monitored initially to
22 determine which pollution should require continuous
23 monitoring. And a karst terrain enhanced stormwater BMP
24 should be required in karst terrain. This is a given

1 here. Pollutants leaving the facility are more likely to
2 impact groundwater and karst terrain. You know, there's
3 less than a half a mile from here, a sinkhole opened up
4 in Burr Industrial Park in which stormwater has been
5 draining - or was draining without a permit. So a
6 sinkhole mitigation plan should also be included.

7 The facility lies within the MS4 community
8 of Jefferson County and is subject to stormwater
9 management permits required through DEP. So the facility
10 must work with Region 9 and DEP's regional stormwater
11 specialist to ensure high quality stormwater management
12 are in place. I think that will do it for me. Thanks so
13 much.

14 MR. FLETCHER: Next we have Regina Hendrix
15 followed by Ned Marshall.

16 MS. HENDRIX: Well, I have to thank you
17 all for coming out in this awful weather. My name is
18 Regina Hendrix and - and I live in Charles Town. And I'm
19 seriously concerned about the potential impacts the TeMa
20 facility could have on our drinking water. Because the
21 facility will be constructed on karst terrain and located
22 near a number of drinking water sources.

23 We are located within the Chesapeake Bay
24 Watershed and restoration efforts are underway to clean

1 up the Bay. Significant progress has been made and we
2 should not consider additional pollution of the Bay. The
3 permit lists floatable plastic pellets and zinc as
4 potential stormwater pollutants. There is no plan or
5 best management practices listed in the application to
6 manage the plastic pellets and prevent them from entering
7 the stormwater system. I'm sure you are keenly aware of
8 the damage to our economy and our environment which are
9 both suffering from contamination of the wells in the
10 coalfields and the 2014 contamination of the Elk River by
11 the leaking coal chemical --- the leaking coal cleaning
12 chemicals. Taxpayers funded the infrastructure to
13 provide city water from the Elk for coalfield residents.
14 And it wasn't the companies that did the pollution, it
15 was the taxpayer.

16 I'm going to digress just a little bit. I
17 would hope that - that you all would be allowed to
18 consider the economics of this too. We have had so much
19 - so much damage done in the southern part of the state.
20 And our state depends on taxes from this area, which is a
21 growing area. It's one of the only two growing areas in
22 the state. And I - I would hope that we could consider
23 these things when issuing polluting permits for this
24 area. We can't afford it. We can't afford to be in that

1 kind of a mess again.

2 Anyway, knowledge of this mistake has
3 exacerbated population loss. And we can't afford a
4 repeat of this catastrophe in the Eastern Panhandle. No
5 one wants to live in an area with polluted water. So I
6 urge you to deny this permit and help the - cure the
7 economy in West Virginia.

8 MR. FLETCHER: Next we have Ned Marshall
9 followed by Shaun Amos and Aileen Curfman.

10 MR. MARSHALL: I'm Ned Marshall and I have
11 nothing to say.

12 MR. FLETCHER: Okay.

13 Next we have Shaun Amos.

14 MR. AMOS: Good evening friends. My name
15 - my name is Shaun Amos and I am - I am actually the
16 Chair of the Harpers Ferry Water Works, the Water
17 Commission. You've been hearing a lot about our water
18 works tonight and the fact that our water is actually
19 taken directly from the Elks Run. I've actually been out
20 to visit TeMa. Have you guys actually been out there?
21 Have you seen the factory itself? Have you actually seen
22 the plastic pellets that they're talking about? So
23 you've seen these? All right.

24 So I brought you some samples tonight if

1 you'd like to see them. If you're just saying you've
2 seen them and you haven't really. These things are
3 actually what you all are permitting to be allowed to go
4 out into the stormwater into our - our drinking water.
5 Like you've heard tonight there is absolutely no plan
6 whatsoever to make sure that these don't get into our
7 water system. We went out to look to see what sort of
8 preventions were in there. There is absolutely no
9 physical barrier whatsoever that would trap these things
10 so we could see if they're actually making it out to the
11 ponds there at Burr.

12 There's any number of wildlife that lives
13 in those - those - those beautiful ponds out there. I
14 don't know if you guys have been but there are Canada
15 Geese, there are Black Cormorants. All sorts of things.
16 And you know, we're constantly finding these things in
17 the bellies of wildlife dead because they don't know what
18 these are and they could be potentially - you know,
19 potentially be food. But once we have rains like we did
20 today, these things actually go over into the Elk Run,
21 and where do they end up, they end up in our water
22 system. As you heard earlier we are the only
23 municipality in the county that actually draws its water
24 from surface water. Something that floats isn't quite

1 the same - same potential threat to a well because these
2 things don't go down. But anytime it rains these things
3 rise, they float through the cattails and the other
4 things that are out there and they end up in our water
5 system.

6 So when I went through the - when I went
7 through the permit looking for some sort of, you know,
8 best practices to keep these things out, TeMa is going to
9 look at it twice a year. Twice a year they self-monitor,
10 go out and look and see if they saw any or not. So
11 that's what - that's what we're being put up against in
12 this particular permit.

13 I also want to talk about the way the
14 permit was done. You heard today that this permit was
15 actually applied for by the JCDA. The JCDA knows where
16 we get our water. Do you think the JCDA did anything to
17 let Harpers Ferry know that this was coming down the
18 pike? In fact, when we called to find out what this was
19 the JCDA told us that we were crazy and we didn't have
20 anything to worry about. Don't worry about it the DEP is
21 going to take care of it. You just mind your business
22 over there. We asked time and time again for an
23 explanation of what this was. They wouldn't even tell us
24 it was TeMa. We had to dig and dig and dig and dig.

1 Finally someone over there from the small business
2 authority was kind enough to take us over there and meet
3 these people.

4 I don't have any - I don't have any doubt
5 that the TeMa people would like to do the right thing.
6 But we are asking you to deny this permit until such
7 protections can be put in place that we know exactly how
8 often these things are getting into our water. How many
9 of them are getting into our water. And what sort of
10 protections need to be put in place right there in the
11 stormwater runoff system at Burr. There are a number of
12 things out there at Burr. You would not believe the sort
13 of vehicles that you see out there leaking oil. There's
14 an auto parts thing out there. It's called auto parts.
15 It's not an auto parts store, it's a junkyard. And in
16 West Virginia you actually have to have a certain kind of
17 license to run a junkyard. That stuff's out there
18 dripping into that - into that water system all the time
19 and nobody is monitoring it.

20 Please, before you let this stuff get into
21 our water system in Harpers Ferry, I beg you to put some
22 sort of constraint on a permit that would require
23 somebody other than TeMa themselves to go out twice a
24 year to look around to see if they can find any of these

1 things. It's absolutely crazy. And in the future could
2 you please put something in these permits that allows the
3 citizens to know exactly where these things are, who's
4 applying for them and what sort of plastic - I had -. I
5 mean, if the president of the company hadn't been kind
6 enough to give me several bags of these I would have had
7 no idea what they were talking about.

8 So I don't have anything against TeMa.
9 I'm sure they would like to keep these out of the water.
10 The man seemed like a very nice man. But to call this
11 environmental protection is laughable. And to call the
12 JCDA any sort of neighbor to not even let us know that
13 this is going on is unconscionable. So I beg you to deny
14 this permit until something is in place to keep this out
15 of our drinking water. Thank you very much.

16 MR. FLETCHER: Next we have Aileen
17 Curfman.

18 MS. CURFMAN: Hello. My name is Aileen
19 Curfman. Can you hear me okay? My name is Aileen
20 Curfman and I live - I live in Berkley County. I'm just
21 over the county line from Jefferson County. I have a
22 nice prepared speech but I've heard the same thoughts but
23 were phrased a little differently. So I'm just going to
24 just kind of hand this to you now and tell you some

1 thoughts I had on the way over.

2 This has been a really hectic week for me
3 because we're on a water well and my husband and I just
4 got back a water test and we have had coliforms in our
5 well. History on this, we moved to the area and built a
6 house in 1988. It was real hard to get the septic system
7 in because we have all these ribs of limestone they had
8 to kind of finagle to fit the thing in. The guy that
9 inspected it didn't really like it. In fact he didn't -
10 he put a tag on it but then he didn't sign the tag. But
11 then the builder said oh good, he's been here and gone,
12 covered it up. Same thing happened with all of my
13 neighbors. Okay.

14 Through the years, more and more
15 developments. More and more little two acre lots of
16 septic systems. More and more big developments with lots
17 of pavement. Now we're getting more industrialization,
18 more pavement, more stormwater runoff. It's starting to
19 show. Thirty (30) years, this is the first time we've
20 had water that didn't pass the test. But I had a queasy
21 stomach that's been gone now for two days since I
22 bleached my well. I'm on water that I'm buying until I
23 do another test and it passes. The entire area is
24 becoming industrialized. We use to take clean water for

1 granted. It looks like that is not going to be something
2 we can take for granted anymore.

3 We have three water systems right in that
4 area where TeMa is going to be. And they are going to
5 get their public water. And the amount of pollution that
6 will be coming from TeMa while it's in and of itself may
7 be not that much. By the time you add it to every little
8 bit and little bit and little bit that we have seen with
9 increase over the years, eventually there's a breaking
10 point and we're just about there. I'm seeing in the
11 newspapers about families in some parts of West Virginia
12 that have not had drinkable water or even water that they
13 can bath in or wash their clothes in for years.

14 That's a horrible situation. I see us
15 headed that way. And the place to stop it is by
16 requiring that every permit be held to the standards that
17 will cause the water to be safe and clean to drink. For
18 that reason I'm urging you to deny this permit. Insist
19 that a permit be written which does ensure that
20 everything is held to appropriate standards so that the
21 water here can remain clean and safe. Thank you.

22 MR. FLETCHER: I know we had some people
23 come in after we got started. Is there anyone who didn't
24 get a chance to sign up and would like to come up and

1 speak?

2 Okay.

3 MS. HATCHER: Good evening. Thank you
4 very much for coming. First of all, my name is Ruth
5 Hatcher and I'm a resident of Jefferson County for 40
6 years. I live in Ranson. And I would like to ask you to
7 deny the permit for TeMa until more studies can be done.
8 And as the earlier speakers said there should be more
9 constraints on the permit. I would like to know what the
10 temperature of the water is going to be coming out of the
11 facility. Someone said it was extremely hot. I would
12 like to know that.

13 Also here's an article back in 2009 and
14 the title is Clean Water Laws Are Neglected, at a Cost in
15 Suffering. And it shows a picture of a little boy seven
16 years old, and they had to cap his teeth. And this was
17 in Charleston. And the reason they had to cap his teeth
18 is because of the chemical that ate away the enamel in
19 his teeth. Now, if those chemicals are doing that to his
20 teeth can you imagine what it's doing to the inside of
21 his body which we cannot see? We cannot tolerate this
22 being done to any child anywhere. We have seen West
23 Virginia pollute our state on a level that is
24 unacceptable for any state in the United States of

1 America. We are tired of being the dumping station for
2 polluters. And we cannot believe what people are saying
3 to protect us because look at this (indicating). We
4 should not have our children or us or our animals or
5 environment subjected to chemicals.

6 I just would like to say it appears that
7 there are an onslaught of new chemicals in our country
8 probably in the past 20, 25 years. And that it looks
9 like there's only what 100 or so chemicals that are
10 actually listed as toxic. So there's a lot of chemicals
11 out there that are not being looked at for a potential
12 harm to our health. And we need to start a movement in
13 our country, and especially in our state, to recognize
14 that we need to do more in our communities to prevent
15 further harm to our people. And I would like to thank
16 you again for coming out. And also I'm very concerned
17 about the plastic. What's in the plastic? What are the
18 chemicals? There are different types of plastic. I
19 would like to know more about the plastic. Thank you.

20 MR. FLETCHER: Okay.

21 Is there anyone else that would like to
22 come up and speak?

23 MR. FLYNN: Hi. Dennis Flynn. Charles
24 Town resident. Thank you all for listening to us

1 tonight. It seems to me to follow up on Sean's comment
2 about the plastic pellets. That doesn't seem like a big
3 deal to me because you can catch plastic pellets. But
4 they're talking about 150,000 pounds of pollutants in the
5 air - in the smoke stacks that would be coming from this
6 facility which are super-heated to almost 300 - I'm
7 sorry, 3,000 degrees Fahrenheit as they go out the
8 stacks. And as they cool they will settle down on A, the
9 elementary school right next door and on to the surface
10 of the ground around the facility. And will infiltrate
11 the water systems everywhere. It won't just be plastic
12 pellets. It will be whatever cools down from the
13 emissions, from those smoke stacks, and gets onto the
14 ground. Because most of these water sources are from
15 surface water. And if the pollutants are on the surface,
16 end of story. Thank you for hearing me. I appreciate
17 it.

18 MR. FLETCHER: Is there anyone else that
19 would like to come up and speak that hasn't had a chance?

20 AUDIENCE MEMBER: I have a question. I
21 don't know whether I can ask it here on the record or
22 afterwards, but I do have a question that I think would
23 be of interest to a lot of people.

24 MR. FLETCHER: If you have any questions

1 we can answer them after the hearing portion.

2 MR. AMOS: I do have one other thing to
3 say. I would like to just mention the fact that the
4 building that TeMa is currently in was built without this
5 permit. And the very fact that they would - and they
6 will tell them before they do this, you do this at your
7 own - you know, at your own risk. You don't get to come
8 in. You will just build a building and you won't be able
9 to use that building. I want you to think what it says
10 to a company that someone behind the closed door is
11 saying there's absolutely no way that you won't get this
12 permit. So go ahead and build it even if you don't have
13 the proper permits. If - if I were - if I were the
14 person who was looking at these permits and trying to do
15 some sort of environmental protection and people were
16 building buildings before I even gave them permission and
17 looked at that, I would be embarrassed of that.

18 Frankly this thing is already built. They
19 took me on a tour of it. They don't even have the proper
20 permits yet. But it is such a done deal in this state
21 that they went ahead and built it anyway. There - there
22 is something very wrong with that system. I would be
23 embarrassed if I was the person issuing those permits to
24 know it didn't even matter if anybody talked about it or

1 what they were going to do. That's embarrassing
2 frankly.

3 MR. FLYNN: Could I just add one more
4 thing? The emissions from the factory include 30
5 percent formaldehyde. That's what will settle down
6 on to the surface and get into the drinking water.
7 Which only been saying about just the pellets, that's
8 fine. But it's the unseen things that are coming out
9 of that smoke that settle down as it cools and get into
10 the drinking water.

11 Thank you.

12 MR. FLETCHER: If there are no other
13 speakers then this will conclude the public hearing on
14 permit WVG611874. To properly receive your agency
15 response please make sure your email address is complete
16 on the sign-in sheet. The comment period will end on
17 Saturday, February 9, 2019, at 8:00 p.m. Comments can be
18 submitted via email at DEP.comments@WV.gov. And for
19 those that spoke and didn't get a chance to sign up on
20 the sign-in sheet I'd ask that you please sign in and
21 mark that you did speak so that we have a paper record of
22 you so that way we have enough for the court reporter as
23 well. So thank you very much for your interest and for
24 taking the time to attend this hearing.

1 Good night and drive home safely.

2 * * * * *

3 HEARING CONCLUDED AT 6:45 P.M.

4 * * * * *

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1-800-727-4349

1 CERTIFICATE

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I hereby certify, as the stenographic reporter, that the foregoing proceedings were taken stenographically by me, and thereafter reduced to typewriting by me or under my direction; and that this transcript is a true and accurate record to the best of my ability.

Dated the 22nd day of February, 2019

Bernadette M. Black

Bernadette M. Black,

Court Reporter

Burch, Patrick D

From: Anderson, Connie J
Sent: Thursday, February 7, 2019 1:15 PM
To: Burch, Patrick D
Subject: Fwd: Permit # WVG611874 Public Comment

Sent from my iPhone

Begin forwarded message:

From: "Mullins, Sharon A" <Sharon.A.Mullins@wv.gov>
Date: February 6, 2019 at 2:10:44 PM EST
To: "Anderson, Connie J" <Connie.J.Anderson@wv.gov>
Cc: David Tabb <sssi27@yahoo.com>
Subject: FW: Permit # WVG611874 Public Comment

From: David Tabb <sssi27@yahoo.com>
Sent: Wednesday, February 6, 2019 12:46 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Permit # WVG611874 Public Comment

David Tabb
107 Tabb Lane
Harpers Ferry, WV

25425

(304) 676-5976
SSSI27@Yahoo.com

February 6, 2019

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV

25430

Park

Dear Ms. Mullins,

First, I will take a moment to thank the Staff of the DEP for hosting the January 30, 2019 Public Hearing meeting in Ranson, WV. This was a long trip under harsh conditions for your Staff and I for one appreciate their participation. I too have the made the trip to Charleston many times, it's a long trip, even in the best conditions. Thank you for coming.

The January 30th, 2019 Public Hearing meeting, I believe, was productive on both sides to wit:

(1) The Endangered Species: It appears the Staff was not aware of the Madison Cave Isopods. Even though, I wrote a letter to you on December 12, 2018, to inform that this stormwater permit is required for review for Endangered Species. Was my letter or the notice of such a requirement posted to the Staff and the DEP? If not, why not? Dennis O. Stottlemeyer seemed to be very interested, even to the point of calling me to learn more. I would appreciate if you would contact Mr. Stottlemeyer. His phone number is (304) 926-0441.

(2) The Applicant for the Permit is the Jefferson County Development Authority (JCDA). The JCDA is not in compliance to operate since eleven (11) voting board members resigned and the remaining board members maybe removed. The Jefferson County Commission (JCC) has yet to make any decisions on how to move forward, whether the JCDA will even continue to exist. I believe since this is a non-operational board to approve or make any request or decisions, the application should be put on hold until the JCC makes a decision on the fate of the applicant, the JCDA. I believe it would be inappropriate to approve a permit to any entity that cannot receive and act upon the application.

(3) Sink holes, Wet lands and Hot water: All three of these subjects have yet to be addressed. All three are required to be addressed by the Endangered Species Act. Once the staff addresses these issues, does this require another public hearing? I believe that under the Endangered Species Act the applicant was required to submit and/or comply before submitting an application. Since the JCDA cannot respond or make any decisions or requests, I believe this permit needs to be put on hold or denied.

Regardless of any rewrites or new additional requirements the permit will still need to come back to Public Comment before approval. I would appreciate to be included in any documented notifications regarding this permit. The response to the Public Comments needs to be published for review before any permit approval.

Awaiting Action,

A handwritten signature in black ink, appearing to be "H. Mullins", written in a cursive style.

Burch, Patrick D

From: Addison Reese <areese@k12.wv.us>
Sent: Friday, February 15, 2019 12:28 PM
To: Mullins, Sharon A; Burch, Patrick D
Subject: Re: WVG611874
Attachments: JCDA HEARING.JPG

Again, for reference, this was the permit notice for this hearing. The address for the JCDA is wrong and it does not mention the facility's name or exact permit type in question.

From: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Sent: Tuesday, February 12, 2019 3:53:06 PM
To: Burch, Patrick D
Cc: Addison Reese
Subject: FW: WVG611874

Please respond to Addison Reese's email below. Thank you,

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, February 12, 2019 1:45 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: WVG611874

Do you have any comments on the TEMA public legal notice in the paper? It is incomplete and has errors. Would this require publishing another notice?

Thank you,

Addison Reese

Get [Outlook for iOS](#)

From: Mullins, Sharon A <sharon.a.mullins@wv.gov>
Sent: Wednesday, February 6, 2019 1:35 PM
To: Addison Reese
Subject: RE: WVG611874

To look at this draft registration, please go to <http://www.dep.wv.gov> On the WVDEP homepage on the lower left hand side under Permitting you will see "Electronic Submission System" – click on it .

This will take you to the next page. On this page scroll down the page and look to the lower right hand side. Here you will see Public and then Query. Click on Query.

On the next page under permit number, type WVG611874. Then click go.

On this page, under Permit ID, you will see WVG611874 in blue, click on it.

On this screen you will see Storm Water Industrial in green, click on it.

The next screen you will see all sections of the applications. Click on any to review them.

To view the attachments please click on the Attachments button.

Click on any attachment to view the document.

To view comments between the permit reviewer and the applicant, click on comments.

To use the Electronic Submission System you will need Internet Explorer. To view attachments you will need Adobe PDF and Microsoft Word.

From: Addison Reese <areese@k12.wv.us>
Sent: Wednesday, February 6, 2019 11:19 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: WVG611874

Who should I reach out to? No one mentioned you were out of the office. Who can I contact about the legality of the legal permit?

Get [Outlook for iOS](#)

From: Mullins, Sharon A <sharon.a.mullins@wv.gov>
Sent: Wednesday, February 6, 2019 10:03 AM
To: Addison Reese
Subject: RE: WVG611874

I was out of the office due to my Mothers passing, I hope that you reached out to someone else to obtain the draft.

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, January 29, 2019 9:44 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: WVG611874

I would like a copy of the permit, WVG611874. The hearing is tomorrow but I think that the legal notice should be considered invalid because it does not mention the facility the permit is for (TEMA) or the type of permit (NPDES). Also, the address for the Jefferson County Development Authority is not correct.

Thank you,

Addison Reese

DEP Public Notice - Public Hearing Notice-Jefferson County-Jefferson County Development Authority

dep.online@wv.gov

to me ▾

Tue, Dec 18, 2018, 11:03 AM



The following was sent to you because you are a
Member of the DEP Public Notice mailing list.

=====

Tuesday, December 18, 2018 @ 11:02 AM

=====

Notice of Public Hearing

A public hearing has been scheduled for Jefferson County Development Authority, 431 W. 2nd Avenue Kearneysville, WV 25430 (WVG611874).

The purpose of the hearing is to take additional comments on the draft permit registration for operation of the facility.

The hearing has been scheduled from 6 to 8 p.m. on Wednesday, January 30, 2019 at the:

Ranson Civic Center
431 W. 2nd Avenue
Ranson, WV 25438

The public notice for this draft permit was published in The Spirit of Jefferson on November 7, 2018, and the comment period ended December 7, 2018.

Oral and written comments will be accepted at the hearing. After the public hearing, the comment period will be extended until 5 p.m. on Sunday, February 9, 2019.

A copy of the draft permit can be obtained by calling Sharon Mullins, Division of Water & Waste Management, (304) 926-0499, ext. 1132; or e-mail her at Sharon.A.Mullins@wv.gov.

Burch, Patrick D

From: David Tabb <sssi27@yahoo.com>
Sent: Monday, February 18, 2019 8:47 AM
To: DEP Comments
Subject: Permit# WVG611874

February 18, 2019

Director, Division of Water and Management, DEP
Attn: Sharon Mullins, Permitting Section
601 57th Street, SE
Charleston, WV 25304-2345

NPDES
Permit #WVG611874
Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins,

This permit appears to have a re-write on February 4, 2019. This was after the public hearing on January 30, 2019. I am requesting another public hearing since this re-write has not published.

Therefore, I am, requesting public comment again, to voice my and any other public concerns of what the re-write is and to reply to the DEP written response to the submitted public comments prior to any approval of the above listed permit.

Awaiting your response,



David Tabb
107 Tabb Lane
Harpers Ferry, WV 25425
(304) 676-5976
SSSI27@yahoo.com

Burch, Patrick D

From: Anderson, Connie J
Sent: Wednesday, February 27, 2019 12:26 PM
To: areese@k12.wv.us
Subject: WVG611874

Your email submitted to Sharon Mullins of this office was forwarded to me.
We have not received the hearing transcript as of this date.
Your message asked whether we had received comments. Yes, at the hearing verbal comments were recorded and we are waiting on the transcript of those comments.

Thank you,
Connie Anderson
WV DEP

Burch, Patrick D

From: DEP Comments
Sent: Tuesday, March 5, 2019 2:54 PM
To: Burch, Patrick D
Subject: FW: Permit# WVG611874 Request for public comment procedures

Another comment from David Tabb about TeMa facility

Terry Fletcher
Public Information Specialist - FOIA Officer

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Phone: 304-926-0499 ext. 1641

From: David Tabb [mailto:sssi27@yahoo.com]
Sent: Tuesday, March 5, 2019 1:35 PM
To: DEP Comments <DEP.Comments@wv.gov>
Subject: Permit# WVG611874 Request for public comment procedures

March 5, 2019

Director, Division of Water and Management, DEP

Attn: Sharon Mullins, Permitting Section

601 57th Street, SE

Charleston, WV 25304-2345

NPDES

Permit #WVG611874

Project: TeMa Facility

Location: 395 Steeley Way

Kearneysville, WV 25430

Dear Ms. Mullins,

On February 18, 2019, I David Tabb, sent you a letter requesting a public hearing on the February 4, 2019 revised/rewrite on the above listed permit. As of to date I have not received any response. After much trial and error, I was finally able to access this revised/rewrite document and after hours of review I will make comments to wit:

Page 1 – 2.0 CERTIFICATION

It appears Tonj Ciotti, CEO certified the information is, “to the best of my knowledge and belief, true, accurate and complete. Dated February 4, 2019

Page 2 – 3.0 GENERAL SITE INFORMATION

Operating Schedule: 8 hours a day 5 days a week

Response: Under the air permit was listed 24/7

Depth to Groundwater: Unknown

Response: This is a stormwater permit, to know what the groundwater depth and conditions are elementary. Without knowing what water is there how can one calculate the possibility of run off? On this site groundwater depth is less than 5 feet with standing water on 3 sides of the facility some less than 500 feet away. This needs further study and information.

4.0 SITE HISTORY AND EXISTING WATER CONDITIONS

TeMa NA, LLC lots 21a, 21 and 20 Burr Business Park in the Jefferson County
Development Authority Project.

Response: According to the least agreement Lots 19 and 20 are on the lease with options of Lots 18 and 21. It appears Mr. Ciotti doesn't know what lots the project is on. Furthermore,

the JCDA is no longer applicant for the permit since December 18, 2018. How can one still list
the applicant that does not exist?

This section also list Norton Investment LLC is the only facility near this project, when there is
a business across the street due north with only the street itself separating the two businesses. I question
whether Mr. Ciotti even visited the site.

Page 3 – 6.2 TREATMENT SYSTEM FOR SANITARY WATER

This list the Jefferson Public Service District as the Sanitary Waste Water provider.

Response: The Jefferson PSD is no longer in existence since November, 2018.

Page 4 – 7.1 LOADING AND UNLOADING OF DRY BULK MATERIALS OR LIQUIDS

This section list outlet 001 and outlet 002 and indicates both outfalls is into the Burr Industrial Park
stormwater drainage system.

Response: Outlet 001 is on the west side, drainage is to the west, the Burr Industrial Park
Storm Water System is to the east. How is 001 going to go up hill back to the east? Even the
previous permit request stated this water is going west, to the WVDOT Wiltshire Road drainage system. The
4.1 paragraph list this project as the Burr Business Park now it is listed as the Burr Industrial Park. The
question is does anyone know where this project is?

OR 7.2 OUTDOOR AND INDOOR STAGE OF RAW MATERIALS, INTERMEDIARY PRODUCTS PRODUCTS

This section is all new and was not in the original permit.

Park, Response: Again outlet 001 is going west not to the Burr Business Park/Burr Industrial
stormwater discharge system.

Page 5 – 7.3 OUTDOOR PROCESS ACTIVITIES

No outdoor process will occur at this facility.

Response: There are two large fans with stacks outside the building and a large air compressor system with temporary storage in the parking lot. Do you still consider this no activity within the process of the facility?

Page 8 – 8.1.5 RISK IDENTIFICATION AND ASSESSMENT/MATERIAL INVENTORY

This list both outlets 001 and 002 and pollution will channel into the grass before exiting to the stormwater system.

Response: It clear there is a risk of floatable plastic pellets and zinc. Both are dangerous to the waterways, above and/or in below ground yet there is no drainage trap system projected to collect these pellets or zinc. There is no mention of the 60 plus tons of particulate matter that will come out of the two stacks. When and who will monitor the grass for pollution? Who and how will it be cleaned up? The original air quality permit does not mention the release of zinc from the facility, so how is zinc just appearing on the site?

Page 9 – 8.1.8 SPILL PREVENTION AND RESPONSE PROCEDURES

This is a self-monitoring procedure.

Response: I believe a third party should review whether any action should take place.

8.1.9 STORM WATER POLLUTION PREVENTION.

Response: Again, a third party should determine protocols, procedures and/or DEP notification.

8.2.1 ENGINEERING AND DESIGN

Response: Again Mr. Ciotti doesn't know what Lots there on, which way the drainage goes, who is coming or how much out of two discharge stacks. What is the name of the site and who is the applicant or where is the sanitary waste is going? Mr. Ciotti should go across the street and check on his neighbor to see if they like what's going on.

8.2.2 SEDIMENTATION CONTROL MEASURES

Response: Again, who is going to monitor and/or clean up any violations?

Page 10 – 8.2.3 MAINTENANCE OF STRUCTURAL BMPs

Response: Again, third parties should monitor this facility.

9.0 STORM WATER DISCHARGES

Response: All outlets need monitoring after every rain event of a ½ inch of rain/precipitation or more by a third party. Is the DEP going to ignore the benchmark parameters of this project Industrial Activities?

11.0 NON-STORM WATER DISCHARGES

Response: All compressors have some type of lubrication and/or discharge. This discharge should go into the sanitary waste system with a grease trap prior to discharge and weekly inspections.

Once again, it's sad that a high school education farm boy has to come behind a dozen or so of college educated people and point out where this project is and which way the water flows. There are sinkholes on Lot 21. You don't know who the applicant is or who the sanitary sewer lines belong to, you don't know you have a neighbor across the street or surrounded by water on three sides. How hard is it to go to the project and look around? You don't even know what the benchmark parameters are to insure safety of the environment.

Just last week I had a valve on an oil tank sabotaged. Within hours the DEP contacted me. The next morning two DEP officers, one of which drove from Charleston proceeded to give me 72 hours of verbal notice to clean the oil spill, with no instructions to comply with. To date I have yet to receive any written documents at all. The site cleanup was complete within thirty-one hours from the time that DEP appeared.

The DEP doesn't even know what is allowable to be in the stormwater. You are ready to hand out a permit with self-monitoring, yet you want to lock me up. When someone sabotages my oil tank system, the best part is my design of safety protocol that contained the spill within a 12 x 12 containment area. The DEP agent could not believe it worked.

I once again ask the DEP to delay this stormwater permit until all safety protocols and you find out where this project is located. I still believe the public should have the right of public comment on a revised and/or rewritten permit request especially when the applicant no longer exist.

Awaiting your response,

A handwritten signature in black ink, appearing to read "David C. Tabb". The signature is fluid and cursive, with the first name being the most prominent.

David C. Tabb

Burch, Patrick D

From: DEP Comments
Sent: Tuesday, March 5, 2019 11:18 AM
To: Burch, Patrick D
Subject: FW: Permit WVG611874 / Permitting renewal for the next 5 years
Attachments: Permit# WVG611874

Follow Up Flag: Follow up
Flag Status: Completed

Patrick,
Two comments on the TeMa facility from David Tabb.

Thanks,

Terry Fletcher
Public Information Specialist - FOIA Officer

West Virginia Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Phone: 304-926-0499 ext. 1641

From: David Tabb [mailto:sssi27@yahoo.com]
Sent: Monday, February 25, 2019 1:10 PM
To: DEP Comments <DEP.Comments@wv.gov>; Stottlemeyer, Dennis O <Dennis.O.Stottlemeyer@wv.gov>; Williams, Jason <Jason.E.Williams@wv.gov>
Subject: Permit WVG611874 / Permitting renewal for the next 5 years

February 25, 2019

Director, Division of Water and Management, DEP

Attn: Sharon Mullins, Permitting Section

601 57th Street, SE

Charleston, WV 25304-2345

NPDES

Permit #WVG611874

Project: TeMa Facility
Location: 395 Steeley Way
Kearneysville, WV 25430
Jefferson County Burr Business Park

Dear Ms. Mullins,

On February 20, 2019, I received a Public Notice pertaining to the General Permit within the WV/NPDES, to be used in the issuing and/or renewing permits for Stormwater associated with Industrial activities.

After reviewing many permits and documents I request, that under all new Federal Clean Water Act, be updated and included within the protocol of issuing or renewing any Stormwater permit regarding the scope.

I received the St. Mary's Plant #14 Public Notice "USACE Permit: 2014-573-OHR. I believe all Stormwater Permits should include the language to wit:

SCOPE OF CERTIFICATION: Pursuant to Section 401 of the Federal Clean Water Act, the State may, either certify, certify with conditions, deny or waive certification that the proposed activity will comply with Sections 301, 302, 303, 306 and 307 of the Federal Clean Water Act and other appropriate requirements of State law. When issuing certification, the WVDEP may consider the proposed activity's impact on water resources, fish and wildlife, recreation, critical habitats, wetlands and other natural resources under its jurisdiction. Procedural and interpretive regulations governing the scope of the Department's certification, public comment, hearings and appeals are in Title 47, Series 5A.

I am requesting any and all violations within the stormwater permit enforcement to include notice of violations to the U.S. Department of Interior/Fish and Wildlife Enforcement Division.

I also request a copy of the proposed draft to be emailed sssi27@yahoo.com before the proposed procedure of permitting is approved.

Sincerely,

David Tabb

107 Tabb Lane

Harpers Ferry, WV 25425

(304) 676-5976

SSSI27@Yahoo.com

Burch, Patrick D

From: Mullins, Sharon A
Sent: Tuesday, March 12, 2019 7:37 AM
To: Burch, Patrick D
Cc: areese@k12.wv.us
Subject: FW: WVG611874

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, March 12, 2019 3:23 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: WVG611874

I'm guessing I'll never get a response about this issue? While I'm emailing you, I'd also like to express my interest in having a hearing about the gas pipeline in Jefferson County. We were told there would be a hearing then it was canceled. I, and many other citizens of this beautiful county, ask that the DEP hold a public hearing in Jefferson County on this very important project.

Thank you,

Addison Reese

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From: Mullins, Sharon A <sharon.a.mullins@wv.gov>
Sent: Tuesday, March 5, 2019 2:14 PM
To: Anderson, Connie J; Burch, Patrick D
Cc: Addison Reese
Subject: FW: WVG611874

I have forwarded your email to Patrick Burch again and also to Connie Anderson.

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, March 5, 2019 12:06 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: Re: WVG611874

I still have not heard back from anyone about this issue. Has the permit been accepted by the DEP at this point? Is there anyone else I can contact about the public notice?

Thanks,

Addison Reese

From: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Sent: Wednesday, February 27, 2019 1:09:32 PM
To: Burch, Patrick D
Cc: Addison Reese
Subject: FW: WVG611874

Patrick, please respond to Addison Reese's email below. Thank you,

From: Addison Reese <areese@k12.wv.us>
Sent: Wednesday, February 27, 2019 12:00 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>; Burch, Patrick D <Patrick.D.Burch@wv.gov>
Subject: Re: WVG611874

I've been trying to contact people for over a month and still have heard nothing about this permit. Who do I need to contact for some clarity on this issue?

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From: Addison Reese <areese@k12.wv.us>
Sent: Friday, February 15, 2019 12:28 PM
To: Mullins, Sharon A; Burch, Patrick D
Subject: Re: WVG611874

Again, for reference, this was the permit notice for this hearing. The address for the JCDA is wrong and it does not mention the facility's name or exact permit type in question.

From: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Sent: Tuesday, February 12, 2019 3:53:06 PM
To: Burch, Patrick D
Cc: Addison Reese
Subject: FW: WVG611874

Please respond to Addison Reese's email below. Thank you,

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, February 12, 2019 1:45 PM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: WVG611874

Do you have any comments on the TEMA public legal notice in the paper? It is incomplete and has errors. Would this require publishing another notice?

Thank you,

Addison Reese

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From: Mullins, Sharon A <sharon.a.mullins@wv.gov>
Sent: Wednesday, February 6, 2019 1:35 PM
To: Addison Reese
Subject: RE: WVG611874

To look at this draft registration, please go to <http://www.dep.wv.gov> On the WVDEP homepage on the lower left hand side under Permitting you will see "Electronic Submission System" – click on it . This will take you to the next page. On this page scroll down the page and look to the lower right hand side. Here you will see Public and then Query. Click on Query. On the next page under permit number, type WVG611874. Then click go. On this page, under Permit ID, you will see WVG611874 in blue, click on it. On this screen you will see Storm Water Industrial in green, click on it. The next screen you will see all sections of the applications. Click on any to review them. To view the attachments please click on the Attachments button. Click on any attachment to view the document. To view comments between the permit reviewer and the applicant, click on comments. To use the Electronic Submission System you will need Internet Explorer. To view attachments you will need Adobe PDF and Microsoft Word.

From: Addison Reese <areese@k12.wv.us>
Sent: Wednesday, February 6, 2019 11:19 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: Re: WVG611874

Who should I reach out to? No one mentioned you were out of the office. Who can I contact about the legality of the legal permit?

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From: Mullins, Sharon A <sharon.a.mullins@wv.gov>
Sent: Wednesday, February 6, 2019 10:03 AM
To: Addison Reese
Subject: RE: WVG611874

I was out of the office due to my Mothers passing, I hope that you reached out to someone else to obtain the draft.

From: Addison Reese <areese@k12.wv.us>
Sent: Tuesday, January 29, 2019 9:44 AM
To: Mullins, Sharon A <Sharon.A.Mullins@wv.gov>
Subject: WVG611874

I would like a copy of the permit, WVG611874. The hearing is tomorrow but I think that the legal notice should be considered invalid because it does not mention the facility the permit is for (TEMA) or the type of permit (NPDES). Also, the address for the Jefferson County Development Authority is not correct.

Thank you,

Addison Reese

Burch, Patrick D

From: Mullins, Sharon A
Sent: Tuesday, March 26, 2019 9:52 AM
To: Burch, Patrick D
Cc: sssi27@yahoo.com
Subject: TeMa North America, LLC Jefferson County Operations, WVG611874

FYI: David Tabb called to voice his concerns regarding an industrial permit. Application is currently in technical review. I advised him that the permit application was currently in review. If and when it goes to public notice, he can submit comments regarding the industrial application.

Sharon A. Mullins

WV DEP - Division of Water & Waste Mgmt

601 57th St. SE

Charleston, WV 25304-2345

Phone# (304) 926-0499 Ext 1132

Sharon.A.Mullins@WV.Gov

Responsiveness Summary

Burch, Patrick D

From: DEP NPDESEP
Sent: Monday, April 1, 2019 4:39 PM
To: DEP NPDESEP
Subject: Responsiveness Summary for Jefferson County Development Authority WVG611874
Attachments: WVG611874Responsivness.pdf

Dear Citizen,

The Division of Water and Waste Management (DWWM) would like to take this opportunity to thank those who submitted written and verbal comments on the application from Jefferson County Development Authority. Please find the Response to Public Comments which highlight the issues and concerns that were identified through the comments received during the public notice period. In many cases, multiple comments were provided on the same issue, therefore we have summarized to the greatest extent possible.

Harold D. Ward, Acting Director
WV DEP-Division of Water & Waste Mgt.
601 57th St SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0463



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Telephone (304) 926-0495
Fax: (304) 926-0463

Austin Caperton, Cabinet Secretary
dep.wv.gov

March 29, 2019

Re: WV NPDES Permit No. WV0111457
Jefferson County Development Authority
Registration Application No. WVG611874
Response to Public Comments

Dear Citizen,

The Division of Water and Waste Management (DWWM) would like to take this opportunity to thank those who submitted written and verbal comments on the application from Jefferson County Development Authority. This Response to Public Comments highlights the issues and concerns that were identified through the comments received during the public notice period. In many cases, multiple comments were provided on the same issue, therefore we have summarized to the greatest extent possible.

Comments appear first, followed by our response in bold type.

Comment 1: Petition for hearing

Response 1: A public hearing in response to this request was held at the Ranson Civic Center in Ranson, W.V., on January 30, 2019 from 6:00 pm until 8:00 pm. The public comment period was extended for ten days after the hearing and closed on Saturday February 9, 2019 at 8:00 pm.

Comment 2: What chemicals are associated with the industrial activities?

- What plans are prepared to deal with and detect pollutants?
- The facility will affect the quality of the drinking water for Harpers Ferry. Other drinking water systems may also be affected.
- Baseline sampling is required, and regular sampling is needed near the proposed site to ensure that the public water supply remains safe.
- The soil topography is not suited for the runoff created by this facility and will lead to pollution of state waters and so the registration should be denied.
- WV DEP must require all 40 benchmark parameters to be monitored initially.
- The public nor the agency knows what waste will be discharged from the site.

Promoting a healthy environment.

- The facility is located near drinking water sources.

Response 2: Sampling for all chemicals commonly associated with industrial activities is based upon the sites standard industrial classification (SIC) code. All facilities covered under the Multi – Sector Permit are required to have a complete Groundwater Protection Plan and Stormwater Pollution Prevention to prevent the contamination of groundwater and stormwater from permitted activities. These plans may be combined into one combined plan which was done by the facility. This plan was reviewed by DEP officials and was found to be complete and meet all environmental requirements. All materials that have the potential to contaminate stormwater and groundwater are listed in this plan. The eight baseline monitoring parameters are required for all sites covered under a Multi – Sector stormwater general permit registration. Based upon the results of this sampling additional sampling parameters may be required. Based upon the operations conducted at this site and the standard industrial classification (SIC) code, sampling for total recoverable zinc is required.

Comment 3: The permit registration is issued to Jefferson County Development authority but does not list the company operating the site.

Response 3: The operator of the site is listed under #5 of the application and is TeMa North America, LLC.

Comment 4: There is no electronic copy of permitting documents available for the public to review.

- Any correspondence that affects the water supply must be provided to the Town of Harpers Ferry and other utilities that provide drinking water in neighboring areas.
- All sampling needs to be shared with water utilities that could be affected by discharges from the site.
- There needs to be something in the permits that lets the public know exactly where industries are located.

Response 4: The Director has put forth considerable effort regarding transparency by creating the public query portal of the electronic submission system. The link for this system is <https://apps.dep.wv.gov/WebApp/dep/Search/ePermitting/ePermittingApplicationSearchPage.cfm>. All applications both pending and issued can be viewed at this site. Application #WVG611874 was processed using this transparent system.

Comment 5: The facility will impact groundwater since the groundwater protection plan is not acceptable.

- The facility is located in Karst Terrain and is therefore more likely to impact groundwater. A sinkhole mitigation plan should also be included.
- The facility needs a sinkhole mitigation plan.

Response 5: The Groundwater Program reviewed the Pollution Prevention Plan (combined stormwater and groundwater protection plans) for the requirements listed in 47 CSR 58 (The Groundwater Protection Rule). Those requirements were found to be addressed. As the activities associated with on-site maintenance, raw material storage, and processing occur indoors and under cover groundwater should be protected by following best management practices.

Comment 6: There is no monitoring for plastic pellets and there is no Best Management Practices to control plastic pellets.

- The ground surrounding the building will be contaminated by industrial activities.
- The permit registration does not address control of plastic pellets discharging off the site.
- There are no barriers to prevent plastic pellets from leaving the site.
- This permit will allow wastes to be dumped on the ground.
- Plastic pellets are being permitted to be discharged off site and may enter the Harpers Ferry public water supply. There is no plan or physical barrier to prevent these pellets from being discharged.

Response 6: The combined Stormwater and Groundwater Pollution Prevention Plan contain a good housekeeping component. This plan states that all raw materials including plastic pellets will be unloaded directly into the enclosed facility through enclosed loading docks and stored inside the building until used during the manufacturing process.

Comment 7: Stormwater from the facility will contain hazardous materials and will need treatment.

- The facility will threaten groundwater and therefore may lead to contamination of water supplies in the area.
- The facility will threaten streams, wetlands and other water bodies in the area including Hopewell Run.
- The facility does not have proper stormwater management and so will affect the quality of drinking water, ground water and the Chesapeake Bay. There are also no retention or holding ponds on site.

Response 7: Stormwater by definition is natural atmospheric precipitation. As stated in response # 2 the site is required to maintain a groundwater and stormwater protection plan and is required to sample common pollutants associated with this type of industrial activity once every six months.

Comment 8: The facility will damage the habitat of endangered, threatened and rare species and the stormwater permit is required to be reviewed for endangered species.

- Will another public hearing need to be held after the endangered species act requirements are satisfied?

Response 8: All draft permit registrations are forwarded to the U.S. Fish and Wildlife Service and the W.V. Division of Natural Resources either of which may conduct a review.

Comment 9: DAQ permit R-13-3414 must be reviewed before the stormwater permit can be issued. Fifty to sixty tons of plastic particulate matter will be discharged through the stacks and therefore the site will need some type of treatment before any air pollutants are discharged to the atmosphere. Air emissions from the facility include 30 percent formaldehyde.

- Plastic particulates discharged into the air will affect endangered and threatened species.
- There will be a large volume of particulates from the stacks that will be deposited on the ground of the site.

Response 9: Air Quality concerns are outside the purview of the Multi-Sector General Permit.

Comment 10: Water from the water cooled extrusion line is not indicated where it will be discharged and may lead to contamination of the ground and stormwater. The water discharged from this line is a high temperature.

- The facility is located in the Chesapeake Bay Watershed and load based wasteload allocations must be determined for this site.
- The water from the plant that is discharged will be too high in temperature since it is used to cool industrial equipment.

Response 10: This permit registration is for stormwater only.

Comment 11: The facility is in a MS4 community and therefore is subject to additional stormwater management permit requirements.

Response 11: WV DEP has researched the location of this site and has determined that it is not located in a MS4 community.

Comment 12: Elk Branch is listed in the 303D and TMDL list and sampling must be performed to ensure the facility is not violating this listing.

Response 12: The impairment in question is Fecal Coliform. All sewage from the site is to be sent to an offsite wastewater treatment plant for treatment.

Comment 13: The public notice advertised in the local paper is too vague.

Response 13: Specific information regarding this General Permit Registration was provided to the commenter prior to the close of the public comment period.

Comment 14: The permit registration is issued to a public authority that is no longer in existence.

- The applicant for the permit Jefferson County Development Authority in not in compliance to operate and may not be able to act on any applications. It is also not a functioning agency and may not be in existence much longer.

Response 14: The WV DEP has contacted the Jefferson County Development Authority and learned that it is still in existence.

Comment 15: The economic viability of the facility must be addressed in the permitting process. The site is located in one of two growing areas of the state which provides needed taxes to the State. This must be considered when making permitting decisions.

- The facility has not indicated if it is in a floodplain or if it will receive public water or sewer service.
- The facility will be taking in a few thousand gallons of potable water which supposedly will be discharged from the site as "pure" water.

Response 15: This permit registration deals with stormwater only.

Comment 16: Facilities near this site will add additional contaminants and therefore all these sites must be taken into account when addressing this permit registration.

Response 16: Should other industries apply for coverage the applications will be reviewed completely using the transparent electronic submission system.

Comment 17: The facility was built and cost the taxpayers money before they had the proper permit to operate.

Response 17: The facility may not start operations until the general permit registration is approved.

Comment 18: Past accidents are an issue for instance Minden has major pollution problems. Have we not learned anything from this? Other instances are contamination in the coal fields and the 2014 contamination of the Elk River. In addition, there is an auto parts store that is actually a junkyard that is adding pollutants near the TeMa site. Other parts of West Virginia do not have access to clean water, some for years. Finally, all of the Eastern Panhandle is being overdeveloped with housing, businesses, and now industry.

- An article has been published titled Clean Water Laws are Neglected, at a cost in suffering.
- There are many new chemicals being introduced into our country in the last 20 or 25 years. These chemicals are not being looked at for potential harm to peoples health.

Response 18: This application for registration is for the Jefferson County Development Authority's site only.

Comment 19: The permit needs to require people other than the facility itself to check the site more than twice a year to verify pollutants are not an issue.

Response 19: WV DEP has the authority to inspect the site at any time.

Comment 20: The permit registration will need to go back to public comment before approval. In addition, the public comments need to be published for review before the registration is approved

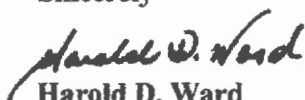
- Public comments must be replied to and the public must have a 30 day period after this to review before the general permit registration is issued.

Response 20: All public comments received during the comment period have been addressed.

This permit registration will be issued on March 29, 2019. Notice is hereby given of your right to appeal the terms and conditions of this permit registration of which you are aggrieved to the Environmental Quality Board by filling a NOTICE of APPEAL on the form prescribed by such Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after issuance of this permit registration. Thank you for your interest in this application.

If you have any further questions or concerns, please do not hesitate to contact Connie Anderson of my staff at 304-926-0499 ext. 1073 or by email at Connie.J.Anderson@wv.gov

Sincerely



**Harold D. Ward
Acting Director**

cc: Robin Dolly, Environmental Inspector Supervisor

Signed Copy General Permit

Burch, Patrick D

From: Burch, Patrick D
Sent: Friday, March 29, 2019 2:39 PM
To: Anderson, Connie J
Cc: Richmond, Christina L; Finney, Michelle L
Subject: Approval for WVG611874, Jefferson County Development Authority, Jefferson County
Attachments: WVG611874 Approval.pdf; WVG611874 DMR.pdf

WVG611874

Janejones@Jcda.net

Tonj.ciotti@Temanorthamerica.com

Mike Kanehl; Robin Dolly; Ashton Devereux; Patrick Burch; DEP NPDESEP

Dear Permittee:

The Division of Water and Waste Management has reviewed your General Permit Site Registration Application Form for the coverage of your activity. Based on the information you submitted on this registration form, you are now authorized to operate under WV/ NPDES General Water Pollution Control Permit No. WV0111457. Please find attached your permit approval with your registration number assigned to your facility.

The approved Groundwater Protection Plan (GPP) shall be maintained at the plant site and shall be available for inspection by the Division of Water and Waste Management personnel. The GPP approval afforded by this permit shall not relieve the permittee of any requirements pertaining to the Above Ground Storage Tank (AST) Program.

All monitoring required by this permit is benchmark monitoring. This monitoring is not an effluent limitation and should not be construed as such it is merely an indicator of whether or not the facilities discharges indicates if there is a reasonable potential to violate state water quality standards. If the benchmarks are exceeded then the permittee must immediately review both the stormwater and groundwater protection plans to reduce pollutant levels to meet the benchmark levels.

If you have any questions or concerns please contact Patrick Burch at 304-926-0499 ext. 1067 or email at Patrick.d.burch@wv.gov .



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, West Virginia 25304-2345
Phone: 304-926-0495
Fax: 304-926-0496

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

March 29, 2019

JEFFERSON COUNTY DEVELOPMENT AUTHORITY
1948 WILTSHIRE RD., STE 4
KEARNEYSVILLE, WV 25430

Re: WV/NPDES Permit No. WV0111457
General Permit Registration No. WVG611874
TeMa North America, LLC Jefferson County Operations,
Jefferson County

Dear Permittee:

The Division of Water and Waste Management has reviewed your General Permit Site Registration Application Form for the coverage of your activity. Based upon the information you submitted on this registration form, you are now authorized to operate under WV/NPDES General Water Pollution Control Permit No. WV0111457, issued March 3, 2014. The general permit can be found at: <http://www.dep.wv.gov/WWE/Programs/stormwater/multisector/Pages/home.aspx>. You should carefully read the contents of the permit and become familiar with all requirements needed to remain in compliance with the permit.

Although you should be aware of all the terms and conditions of this permit, we wish to advise you of the following important requirements:

1. You are subject to the monitoring requirements of Sector N-1 of the General Permit.
2. In accordance with Section B.18. of the General Permit, you are required to have a complete storm water pollution prevention plan (SWPPP) and a groundwater protection (GPP) plan. These plans are to be retained on site and be available for review by the Director or the Director's authorized representative.
3. The current General Permit expires on February 28, 2019. If you wish to continue a regulated activity after the expiration date of this permit, provisions for coverage will be made during the public notice process for any new General Permit to be issued at that time.
4. Facilities permitted to discharge pollutants to the waters of the State under Chapter 22, Article 11 of the West Virginia Code are required to test their effluent in order to verify permit compliance. This testing is the responsibility of the permittee and these test results are to be submitted to this office on the enclosed Discharge Monitoring Report (DMR) forms.

Promoting a healthy environment.

Special Condition. The approved Groundwater Protection Plan (GPP) shall be maintained at the plant site and shall be available for inspection by the Division of Water and Waste Management personnel. The GPP approval afforded by this permit shall not relieve the permittee of any requirements pertaining to the Above Ground Storage Tank (AST) Program.

All monitoring required by this permit is benchmark monitoring. This monitoring is not an effluent limitation and should not be construed as such it is merely an indicator of whether or not the facilities discharges indicates if there is a reasonable potential to violate state water quality standards. If the benchmarks are exceeded then the permittee must immediately review both the stormwater and groundwater protection plans to reduce pollutant levels to meet the benchmark levels.

During the review of your site registration application form it was discovered that the pollutant analysis for the eight baseline parameters required of all sites was not submitted for Outlets 001 and 002. Within sixty (60) days of your initial plant start-up, or as soon thereafter as climatic conditions allow, you must submit this analysis. Please be advised that your monitoring requirements may be subject to change based upon this analysis.

If required by the assigned industrial sector, you must perform this sampling and analysis once every six (6) months. However, the DMR forms are to be completed and submitted to this office 20 days following the end of each required six (6) month sampling period. Failure to submit required DMRs is a violation of the permit and can lead to enforcement actions being taken by this agency for noncompliance. It is suggested that several copies of the enclosed DMR forms be made for your future use, as this office does not supply permittees with DMR forms. Your first DMR is due on or before October 20, 2019.

Your annual permit fee has been assessed as \$250.00. You will be invoiced by this agency one month prior to the anniversary date of your original approval date. Failure to submit the annual fee within 90 days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect.

Finally, note that copies of all future correspondence regarding the permit registration must be sent to the following addresses:

Department of Environmental Protection
Division of Water and Waste Management
Permitting Section
601 57th Street SE
Charleston, WV 25304-2345

Department of Environmental Protection
Environmental Enforcement
22288 Northwestern Pike
Romney, WV 26757

The validity of this General Permit Registration is contingent upon payment of the applicable annual permit fee, as required by Chapter 22, Article 11, Section 10 of the Code of West Virginia.

JEFFERSON COUNTY DEVELOPMENT AUTHORITY

Page 3

March 29, 2019

Your efforts toward preventing the degradation of our natural resources are greatly appreciated. If you have any questions, please contact Patrick Burch of this Division at (304) 926-0499 extension 1067, or by email at Patrick.D.Burch@wv.gov or at Patrick.D.Burch@wv.gov.

Harold D. Ward
Acting Director
WV DEP-Division of Water & Waste Mgt.
601 57th St SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0463

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER MONITORING REPORT

FACILITY NAME: (TeMa North America, LLC Jefferson County Operations) JEFFERSC

LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County

PERMIT NO.: WV0111457 OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

CERTIFIED LABORATORY NAME: _____

CERTIFIED LABORATORY ADDRESS: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity	Units	N.E.	Other Units			CEL*	Units	N.E.	Measurement Frequency	Sample Type
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported										
	Permit Limits	N/A	N/A	N/A	N/A	Rpt Only Max. Daily	N/A	mg/l		1/6 months	Grab
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				
							N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

SECTOR: N-1

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

GEN. PMT. REGISTRATION NO. WVG611874

STORMWATER MONITORING REPORT

FACILITY NAME: (TeMa North America, LLC Jefferson County Operations) JEFFERSC

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: KEARNEYSVILLE; Jefferson County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0111457 OUTLET NO.: 002

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter	Quantity	Other Units			Measurement Frequency	Sample Type
		Units	N.E.	CEL*			Units	N.E.
01094 (ML-1) RF-C Zinc, Total Recoverable Year Round	Reported Permit Limits	N/A	N/A	N/A	N/A	mg/l 1/6 months Grab
					N/A	
					N/A	
					N/A	
					N/A	
					N/A	
					N/A	
					N/A	
					N/A	

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	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 a fine and imprisonment for knowing violations.	Date Completed	
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	

Burch, Patrick D

From: Joe Knechtel <KJKnechtel@potesta.com>
Sent: Tuesday, May 7, 2019 7:38 AM
To: Burch, Patrick D
Subject: RE: Baseline Samples for TEMA

Follow Up Flag: Follow up
Flag Status: Flagged

Patrick

I spoke with Doug Bowe and understand I only need to attach the lab results. Great. Problem is the signer from JCDA (Eric Lewis) from the original permit app is no longer there. Is there a problem with another officer signs?

Joe

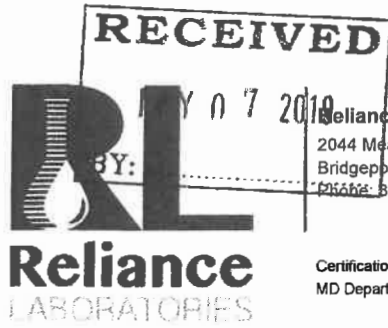
From: Joe Knechtel
Sent: Tuesday, April 30, 2019 6:52 AM
To: Patrick Burch <Patrick.D.Burch@wv.gov>
Subject: Baseline Samples for TEMA

Patrick

We have the results for the baseline samples for TEMA to enter into the ESS. Will you open the application to update? Thanks

Joe

Sent from my Verizon, Samsung Galaxy smartphone



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 Martinsburg, WV 25403
 Phone: 304.596.2084 | Fax: 304.596.2086

Certifications: WV Department of Health #: 00364, 00443 | WV Department of Environmental Protection #: 158, 181
 MD Department of Environment #: 336, 337 | US Environmental Protection Agency #: WV00042, WV00901

LABORATORY REPORT SUMMARY

Client: C05625 POTESTA & ASSOCIATES, INC. 15 S. BRADDOCK ST. WINCHESTER VA 22601-	Friday, April 26, 2019 Total Number of Pages: 5 (Not Including C.O.C.) Page 1 of 5
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Lab ID	Sample ID	Sample ID 2	Sample Date
303788-2019-W	TEMA #17-0435	Outlet 001 - Stormwater	4/14/2019
303789-2019-W	TEMA #17-0435	Outlet 002 - Stormwater	4/14/2019

The enclosed results have been analyzed according to the referenced method and SOP. Any deviations to the method have been noted on the report. Unless otherwise noted, all results have been verified to meet quality control requirements of the method. All analysis performed by Reliance Laboratories, Bridgeport, WV or Reliance Laboratories, Martinsburg, WV, as noted on laboratory report. This report may not be reproduced, except in full, without written approval of Reliance Laboratories, Inc.

Report Reviewed By: *Tenley Miller*
 Digitally signed by Tenley Miller
 Date: 2019.04.29 09:38:57 -04'00'



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Certifications: WV Department of Health #: 00354, 00443 | WV Department of Environmental Protection #: 158, 181
 MD Department of Environment #: 336, 337 | US Environmental Protection Agency #: WV00042, WV00901

POTESTA & ASSOCIATES, INC.
 15 S. BRADDOCK ST.

Friday, April 26, 2019
 Page 2 of 5

WINCHESTER, VA 22601-

Lab Number: 303788-2019-W **Sample ID:** TEMA #17-0435
 Outlet 001 - Stormwater

Parameter	Value	Units	Method	Date/Time Analyzed	Analyst	MDL	MRL
Analyte Group: <u>Inorganics</u>							
Total Nitrate as N	0.52	mg/l	EPA 300.0 R2.1	4/16/2019	16:43 AA	0.05	0.5
Total Nitrite as N	ND	mg/l	EPA 300.0 R2.1	4/16/2019	16:43 AA	0.02	0.2
Total Nitrogen as N	1.19	mg/l	CALCULATED		AA		
Total Phosphorus	J 0.07	mg/l	SM4500PE-11	4/16/2019	8:00 AJB	0.05	0.5
B.O.D. (5)	8.12	mg/l	SM5210B-11	4/16/2019	13:20 AJB	3	5
Field pH@@	8.20	S.U.			CM		
Chemical Oxygen Demand	39.3	mg/l	EPA 410.4 R2.0	4/23/2019	11:00 AJB	1.41	10
Oil and Grease	ND	mg/l	EPA 1664A	4/18/2019	8:20 AJB	6.74	10
Total Suspended Solids	39	mg/l	USGS I-3765-85	4/16/2019	9:00 AJB	3	5

Remarks:

Analysis performed by Reliance Laboratories Martinsburg, WV

Date Sample Collected: 4/14/2019 18:00
 Sample Submitted By: C. Mosholder
 Date Sample Received: 4/15/2019 8:56
 Sample temp. upon receipt: 2.0 Deg C
 MDL - Minimum Detectable Limit
 MCL - Maximum Contaminant Level, USEPA Regulated

ND = Not Detected at the MDL or MRL
 MRL - Minimum Reporting Limit
 J = Reported value is an estimate because concentration is less than the MRL

*Method Code: STANDARD METHODS ONLINE ED; US EPA METHODS FOR THE CHEMICAL ANALYSIS OF WATER AND WASTES, Rev. 83; US EPA METHODS FOR THE DETERMINATION OF METALS IN ENVIRONMENTAL SAMPLES, May 1994; TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd ED; USEPA Manual for Certification of Laboratories Analyzing Drinking Water, 6th ED. In accordance with EPA Regulations, all reports, including raw data and quality control data, are maintained by the laboratory for a minimum of 5 years.

@@Values supplied by client

NOTE: Method blank exceeds quality control criteria for SM5210B analytical batch.



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POTESTA & ASSOCIATES, INC.
 15 S. BRADDOCK ST.

Friday, April 26, 2019
 Page 3 of 5

WINCHESTER, VA 22601-

Lab Number: 303788-2019-W **Sample ID:** TEMA #17-0435
 Outlet 001 - Stormwater

Parameter	Value	Units	Method	Date/Time Analyzed	Analyst	MDL	MRL
Analyte Group: <u>Inorganics</u>							
Total Kjeldahl Nitrogen	0.67	mg/l	SM4500NB-11	4/22/2019	8:58	TM	0.17 0.5
Temperature(C)@@	19.5	Deg C			CM		

Remarks:

Analysis performed by Reliance Laboratories Bridgeport, WV

Date Sample Collected: 4/14/2019 18:00
 Sample Submitted By: C. Mosholder
 Date Sample Received: 4/15/2019 8:56
 Sample temp. upon receipt: 2.0 Deg C

ND = Not Detected at the MDL or MRL
 MRL - Minimum Reporting Limit
 MCL - Maximum Contaminant Level, USEPA Regulated J = Reported value is an estimate because concentration is less than the MRL

*Method Code: STANDARD METHODS ONLINE ED; US EPA METHODS FOR THE CHEMICAL ANALYSIS OF WATER AND WASTES, Rev. 83; US EPA METHODS FOR THE DETERMINATION OF METALS IN ENVIRONMENTAL SAMPLES, May 1994; TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd ED; USEPA Manual for Certification of Laboratories Analyzing Drinking Water, 5th ED. In accordance with EPA Regulations, all reports, including raw data and quality control data, are maintained by the laboratory for a minimum of 5 years.

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POTESTA & ASSOCIATES, INC.
 15 S. BRADDOCK ST.

Friday, April 26, 2019
 Page 4 of 5

WINCHESTER, VA 22601-

Lab Number: 303789-2019-W **Sample ID:** TEMA #17-0435
 Outlet 002 - Stormwater

Parameter	Value	Units	Method	Date/Time Analyzed	Analyst	MDL	MRL
Analyte Group: <u>Inorganics</u>							
Total Nitrate as N	0.57	mg/l	EPA 300.0 R2.1	4/16/2019	17:00 AA	0.05	0.5
Total Nitrite as N	ND	mg/l	EPA 300.0 R2.1	4/16/2019	17:00 AA	0.02	0.2
Total Nitrogen as N	1.07	mg/l	CALCULATED		AA		
Total Phosphorus	J 0.21	mg/l	SM4500PE-11	4/16/2019	8:00 AJB	0.05	0.5
B.O.D. (5)	8.72	mg/l	SM5210B-11	4/16/2019	13:20 AJB	3	5
Field pH@@	8.16	S.U.			CM		
Chemical Oxygen Demand	41.3	mg/l	EPA 410.4 R2.0	4/23/2019	11:00 AJB	1.41	10
Oil and Grease	ND	mg/l	EPA 1664A	4/18/2019	8:20 AJB	6.74	10
Total Suspended Solids	63	mg/l	USGS I-3765-85	4/16/2019	9:00 AJB	3	5

Remarks:

Analysis performed by Reliance Laboratories Martinsburg, WV

Date Sample Collected: 4/14/2019 18:15
 Sample Submitted By: C. Mosholder
 Date Sample Received: 4/15/2019 8:56
 Sample temp. upon receipt: 2.0 Deg C
 MDL - Minimum Detectable Limit
 MCL - Maximum Contaminant Level, USEPA Regulated

ND = Not Detected at the MDL or MRL
 MRL - Minimum Reporting Limit
 J = Reported value is an estimate because concentration is less than the MRL

*Method Code: STANDARD METHODS ONLINE ED; US EPA METHODS FOR THE CHEMICAL ANALYSIS OF WATER AND WASTES, Rev. 83; US EPA METHODS FOR THE DETERMINATION OF METALS IN ENVIRONMENTAL SAMPLES, May 1994; TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd ED; USEPA Manual for Certification of Laboratories Analyzing Drinking Water, 5th ED. In accordance with EPA Regulations, all reports, including raw data and quality control data, are maintained by the laboratory for a minimum of 5 years.

@@Values supplied by client

NOTE: Method blank exceeds quality control criteria for SM5210B analytical batch.



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POTESTA & ASSOCIATES, INC.
 15 S. BRADDOCK ST.

Friday, April 26, 2019
 Page 5 of 5

WINCHESTER, VA 22601-

Lab Number: 303789-2019-W **Sample ID:** TEMA #17-0435
 Outlet 002 - Stormwater

Parameter	Value	Units	Method	Date/Time Analyzed	Analyst	MDL	MRL
Analyte Group: <u>Inorganics</u>							
Total Kjeldahl Nitrogen	0.50	mg/l	SM4500NB-11	4/22/2019	8:58	TM	0.17 0.5
Temperature(C)@@	18.8	Deg C				CM	

Remarks:

Analysis performed by Reliance Laboratories Bridgeport, WV

Date Sample Collected: 4/14/2019 18:15
 Sample Submitted By: C. Mosholder
 Date Sample Received: 4/15/2019 8:56

Sample temp. upon receipt: 2.0 Deg C ND = Not Detected at the MDL or MRL

MDL - Minimum Detectable Limit MRL - Minimum Reporting Limit

MCL - Maximum Contaminant Level, USEPA Regulated J = Reported value is an estimate because concentration is less than the MRL

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@@Values supplied by client

NOTE: Method blank exceeds quality control criteria for SM5210B analytical batch.



Applicant:	JEFFERSON COUNTY DEVELOPMENT AUTHORITY	Type:	Electronic Reports with Permit
Reference ID:	8 Baseline samples (001 & 002) (05/06/2019)	Permit ID:	WVG611874
New Module: eRPT Certification			
Status	New	Printed:	May. 07, 2019 8:21 AM

I certify under penalty of law that this document and all attachments were prepared under the 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 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 a fine and imprisonment for knowing violations.

Name of Signee:

Nicolas H. Diehl

Principal Executive Officer or Authorized Agent

Title:

Executive Director

Date:

5/6/2019 