



Tennessee Department of Environment and Conservation
Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
(615) 532-0625

Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 INFORMATION

Name of MS4 MS4 Permit Number

Name of Contact Person Email Address

Telephone (including area code)

Mailing Address

City State ZIP code

What is the current population of your MS4?

What is the reporting period for this annual report? From to 6/30/16

2. WATER QUALITY PRIORITIES (SECTION 3.1)

- A. Does your MS4 discharge into waters listed as impaired on TN's most current 303(d) list and/or according to the on-line GIS mapping tool? If yes, please attach a list all impaired waters within your jurisdictional area.
B. Does your MS4's jurisdictional area contain any waterbodies where a TMDL has been approved for parameters other than pathogens, siltation and habitat alterations? If yes, please attach a list.
C. What specific sources of these pollutants of concern are you targeting?
D. Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWs)? If yes, please attach a list.
E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction? N/A

3. PROTECTION OF STATE OR FEDERALLY LISTED SPECIES (SECTION 3.2.1 General Permit for Phase II MS4s)

- A. Are there any state or federally listed species within the MS4's jurisdiction?
B. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species?
C. Please attach any authorizations or determinations by U.S. Fish & Wildlife Service on the effect of the MS4 discharges on state or federally listed species.

4. PUBLIC EDUCATION AND PUBLIC PARTICIPATION (SECTION 4.2.1 AND 4.2.2)

- A. Is your public education program targeting specific pollutants and sources of those pollutants?
B. Is your public education program targeting specific pollutants and sources of those pollutants, such as Hot Spots?
C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program? The City uses targeted stormwater-related articles or pamphlets in the semi-annual City newsletter to education homeowners and businesses. The City also gives new restaurants literature regarding proper oil and grease management. Construction-related stormwater pollution is addressed through land disturbance permit process. The City also distributes pamphlets related to oil and grease at the annual City picnic.

## Small Municipal Separate Storm Sewer System (MS4) Annual Report

D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. The City was notified of a suspected illicit discharge on 9/10/2015 by Metro, but the source was not determined. The City submitted a report to Metro and TDEC documenting the investigation. The City's land disturbance permit application and stormwater ordinance information on the City's website encourages design professional to contact the City early in the design process to incorporate stormwater management design elements in the site plans.

E. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program?  Yes  No

F. How do you facilitate, advertise, and publicize public involvement and participation opportunities? The City's newsletter and website, which includes City newsletters, Board of Commissioners meeting agendas, Board of Commissioners meeting minutes, and other stormwater content.

G. Do you have a webpage dedicated to your stormwater program? If so, what is the link/URL:  Yes  No

H. Are you tracking and maintaining records of public education, outreach, involvement and participation activities? Please attach a summary of these activities.  Yes  No

### 5. ILLICIT DISCHARGE DETECTION AND ELIMINATION (SECTION 4.2.3)

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system?  Yes  No

B. Have you completed a map of all storm drain pipes of storm sewer system?  Yes  No

C. How many outfalls have you identified in your system? \_\_\_\_\_

D. Have any of these outfalls been screened for dry weather discharges?  Yes  No

E. What is your frequency for screening outfalls for illicit discharges? Once per permit cycle. However, staff have been educated on illicit discharges and inspect for them on a daily basis during normal activities.

F. Do you have an ordinance that effectively prohibits illicit discharges?  Yes  No

G. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? \_\_\_\_\_

H. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? The source of the suspected illicit discharge on September 10, 2015 was never determined, but was eliminated.

### 6. CONSTRUCTION SITE STORMWATER RUNOFF (SECTION 4.2.4)

A. Do you have an ordinance or adopted policies stipulating:

- |  |   |                             |
|--|---|-----------------------------|
| Erosion and sediment control requirements?           | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other construction waste control requirements?       | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Requirement to submit construction plans for review? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| MS4 enforcement authority?                           | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 4

C. How many of these active sites did you inspect this reporting period? 4

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? Monthly

E. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If yes, based on what criteria? Adjacent to stream

### 7. PERMANENT STORMWATER CONTROLS (SECTION 4.2.5)

A. Do you have an ordinance or other mechanism to require:

- |   |   |  |
|---|---|--|
| Site plan reviews of all new and redevelopment projects?      | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Maintenance of stormwater management controls?                | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Retrofitting of existing BMPs with green infrastructure BMPs? | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |

## Small Municipal Separate Storm Sewer System (MS4) Annual Report

- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc). 0.5 acre of disturbance or adjacent to stream
- C. Have you implemented and enforced performance standards for permanent stormwater controls?  Yes  No
- D. Do these performance standards go beyond the requirements found in Section 4.2.5.2 and require that predevelopment hydrology be met for:
- |                      |                              |  |
|----------------------|------------------------------|--|
| Flow volumes         | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Peak discharge rates | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Discharge frequency  | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Flow duration        | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
- E. Please provide the URL/reference where all permanent stormwater management standards can be found . http://berryhilltn.org/DocumentCenter/View/104
- F. How many development and redevelopment project plans were reviewed for this reporting period? 4
- G. How many development and redevelopment project plans were approved? 3
- H. How many permanent stormwater management practices/facilities were inspected? 6
- I. How many were found to have inadequate maintenance? 1
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify.) 1
- K. How many enforcement actions were taken that address inadequate maintenance? None.
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance?  Yes  No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system?  Yes  No
- N. Has the MS4 developed a program to allow for incentive standards for this redeveloped sites?  Yes  No
- O. How many maintenance agreements has the MS4 approved during the reporting period? None were finalized during the reporting period.
- 8. CODES AND ORDINANCES REVIEW AND UPDATE (SECTION 4.2.5.3)**
- A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report?  Yes  No  
Previously submitted
- B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. See attached.
- 9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)**
- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:
- |   |   |                             |
|---|---|-----------------------------|
| All parks, ball fields and other recreational facilities            | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal turf grass/landscape management activities            | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal vehicle fueling, operation and maintenance activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal maintenance yards                                     | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal waste handling and disposal areas                     | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. Are stormwater inspections conducted at these facilities?  Yes  No  
If yes, at what frequency are inspections conducted? Monthly or quarterly
- C. Have standard operating procedures or BMP's been developed for all MS4 field activities? (e.g, road repairs, catch basin cleaning, landscape management, etc).  Yes  No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections?  Yes  No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? No set frequency. However, staff inspect them during normal activities and perform maintenance on an as-needed basis.

## Small Municipal Separate Storm Sewer System (MS4) Annual Report

- F. On average, how frequently are catch basins and other inline treatment system cleaned out/maintained? After major storm events
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management?  Yes  No
- H. If yes, do you also provide regular updates and refreshers?  Yes  No  
 If so, how frequently and/or under what circumstances? Annually

### 10 STORMWATER MANAGEMENT PROGRAM UPDATE (SECTION 4.4)

- A. Describe any changes to the MS4 program during the reporting period including but not limited to:  
 Changes adding (but not subtracting or replacing) components, controls or other requirements (Section 4.4.2.a). None
- Changes to replace an ineffective or unfeasible BMP (Section 4.4.2b). None
- Information (eg. additional acreage, outfalls, BMP's) on program area expansion based on annexation or newly urbanized areas. None - annexation is not applicable for the City due to Metro Nashville charter
- Changes to the program as required by the division (Section 4.4.3). N/A

### 11. EVALUATING/MEASURING PROGRESS

- A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc?

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April–September	20
Visual Stream Assessment	2009	Once/permit term	One Stream in 2009, One stream in 2012
E. coli	2012	Once/permit term	Five locations in 2012
Complaint tracking	2003	Ongoing	City-wide
Benthic macroinvertebrate sampling	2015	One every five years (as currently required by the permit)	Two

- B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater None completed

## Small Municipal Separate Storm Sewer System (MS4) Annual Report

### 12. ENFORCEMENT

A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?
Notice of violation	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Administrative fines	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Stop Work Orders	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Civil penalties	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Criminal actions	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Administrative orders	# _____	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other _____	# _____	# _____	# _____	

B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction?     Yes     No

C. What are the 3 most common types of violations documented during this reporting period? \_\_\_\_\_

### 13. PROGRAM RESOURCES (OPTIONAL)

A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? \_\_\_\_\_

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \_\_\_\_\_

C. Do you have an independent financing mechanism for your stormwater program?     Yes     No

D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?

Source: \_\_\_\_\_ Amount \$

Source: \_\_\_\_\_ Amount \$

E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? 0; City Manager & Building Official implement the program among other duties.

F. Do you share program implementation responsibilities with any other entities?     Yes     No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
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G. Please attach a copy of your Organizational Chart

## Small Municipal Separate Storm Sewer System (MS4) Annual Report

### 14. CERTIFICATION

**This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.**

*"I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted 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 fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."*

Beth Sactain, Mayor  
Printed Name and Title

Beth Sactain  
Signature

9/29/16  
Date

**Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by January 31 of each calendar year, as shown in the table below:**

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	1301 Riverfront Parkway, Ste 206	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000

**Section 2.A. - List of Impaired Waters in Jurisdiction Based on TDEC Viewer as of August 2016**

<b>Waterbody Name</b>	<b>Waterbody Description</b>	<b>Waterbody I.D. #</b>	<b>Cause(s)</b>	<b>Source Name(s)</b>
Browns Creek	From Confluence of Middle Fork Browns Creek and West Fork Browns Creek to Approximately 0.2 Miles Upstream of Confluence with Cumberland River	TN05130202023_2000	Other anthropogenic substrate alterations	Municipal (Urbanized High Density Area)
			<i>Escherichia coli</i>	Discharges from Municipal Separate Storm Sewer Systems (MS4)
			Phosphorus (Total)	Industrial Point Source Discharge
			Phosphorus (Total)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
			Oil and Grease	Industrial Point Source Discharge
			Nitrate/Nitrite (Nitrite + Nitrate as N)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
East Fork Browns Creek	Browns Creek to headwaters	TN05130202023_0100	Nitrate/Nitrite (Nitrite + Nitrate as N)	Industrial Point Source Discharge
			<i>Escherichia coli</i>	Discharges from Municipal Separate Storm Sewer Systems (MS4)
			Phosphorus (Total)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
			Other anthropogenic substrate alterations	Municipal (Urbanized High Density Area)
			Oil and Grease	Industrial Point Source Discharge
			Nitrate/Nitrite (Nitrite + Nitrate as N)	Discharges from Municipal Separate Storm Sewer Systems (MS4)

**Section 3.C. State or Federally Listed Species Information.**

See attached letter request to U. S. Fish and Wildlife Service (USFWS) regarding federally listed species information.  
The response from USFWS will be submitted when received from the USFWS.

See attached species review by Civil & Environmental Consultants, Inc.



August 31, 2016

Ms. Mary Jennings  
U.S. Department of Interior  
Fish and Wildlife Service  
446 Neal Street  
Cookeville, TN 38501

Dear Ms. Jennings:

RE: Threatened or Endangered Species Evaluation for the City of Berry Hill, TN  
CEC Project 040-559.0002

The City of Berry Hill, TN is permitted as a small municipal separate storm sewer system (MS4) under General NPDES Permit No. TNS075167. Section 3.2 of the permit requires annual review of whether or not stormwater discharges, allowable non-stormwater discharges, and discharge-related activities are likely to jeopardize the continued existence of any state or federally listed species that are listed as endangered or threatened (“listed”) under the Endangered Species Act (ESA) or result in the adverse modification or destruction of habitat that is designated as critical under the ESA (“critical habitat”). CEC is under contract to assist the City in complying with the terms of their NPDES permit.

Last year we requested a list of threatened or endangered species that may be present within the corporate boundary of the City of Berry Hill. Since the City is required to perform this evaluation annually, we request that you consult your records from last year’s request and inform us of any changes. A copy of the response letter we received last year is included with this letter. A location map is also attached for your reference. This request for a species list is in compliance with the Fish and Wildlife Coordination Act of 1958, and the Endangered Species Act of 1973 (amended).

We request that you include in your reply letter the entire project description listed in the subject line of this letter. Your assistance is appreciated.

Ms. Jennings – U.S. Department of Interior  
CEC Project 040-559.0002  
Page 2  
August 31, 2016

If you have any questions or need any additional information, please feel free to call me at (615) 333-7797.

Very truly yours,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.



Steven E. Casey, P.E., CPESC Principal

Attachments: 2015 USFWS Response Letter  
City of Berry Hill, TN Location Map



# United States Department of the Interior

FISH AND WILDLIFE SERVICE

446 Neal Street  
Cookeville, TN 38501

SEP 08 2015

August 28, 2015

Mr. Steven E. Casey  
Project Manager  
Civil & Environmental Consultants, Inc.  
405 Duke Drive, Suite 270  
Franklin, Tennessee 37067

Re: CEC Project No. 040-559.0002/FWS #15-EC-0064

Dear Mr. Casey:

Thank you for your correspondence dated July 29, 2015, regarding compliance with the Tennessee Department of Environment and Conservation (TDEC) Notice of Coverage annual reporting requirements for the City of Berry Hill's MS4 permit (TNS075167) and stormwater management program in Davidson County, Tennessee. U.S. Fish and Wildlife Service (Service) personnel have reviewed your request for technical assistance and offer the following comments.

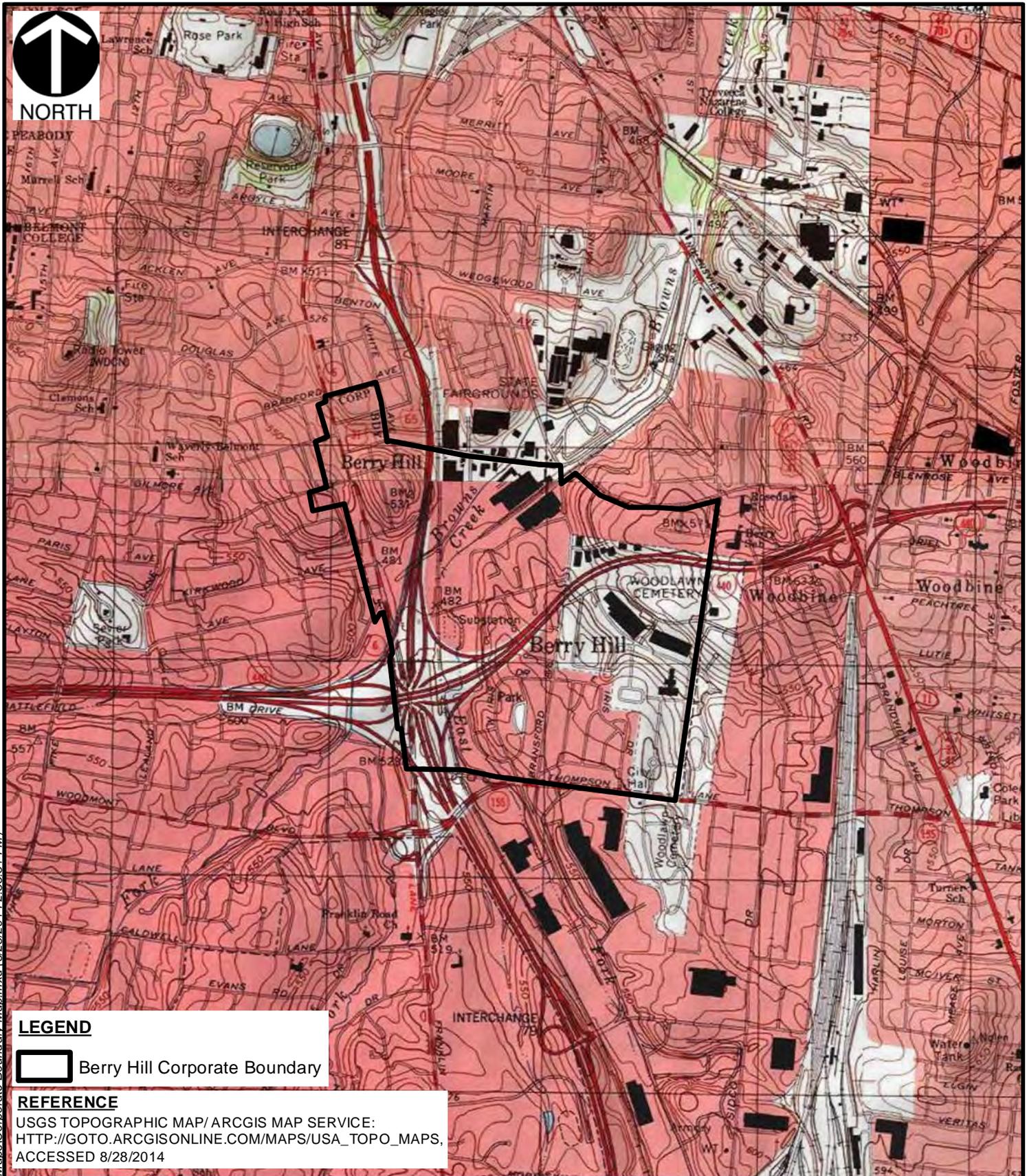
Review of our endangered species database indicates that no federally listed or proposed endangered or threatened species occur within the jurisdictional boundaries of the City of Berry Hill's stormwater management program. In view of this, we believe that adverse effects to federally listed species from activities carried out under that program are not anticipated.

Thank you for the opportunity to comment. If you have any questions, please contact Steve Alexander of my staff at 931/528-6481, ext. 210, or via e-mail at [steven\\_alexander@fws.gov](mailto:steven_alexander@fws.gov).

Sincerely,

  
for Mary E. Jennings  
Field Supervisor

xc: Robert Karesh, TDEC Central Office, Nashville  
Ann Morbitt, TDEC-EAC, Nashville



ISVR-NASHV.P:2014142-797-GISMaps\Corporate Boundary Map.mxd (8/28/2014 2:35:31 PM)

**LEGEND**  
 Berry Hill Corporate Boundary

**REFERENCE**  
USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE:  
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA\\_TOPO\\_MAPS](http://gto.arcgis.com/maps/usa_topo_maps),  
 ACCESSED 8/28/2014



**Civil & Environmental Consultants, Inc.**  
325 Seaboard Lane, Suite 170 Franklin, Tennessee  
615-333-7797 \*800-763-2326  
www.cecinc.com

CITY OF BERRY HILL  
USGS OAK HILL AND NASHVILLE  
WEST QUADS (308 SE & 308 NE)

**CORPORATE BOUNDARY**

DRAWN BY:	JMB	CHECKED BY:	SEC	APPROVED BY:	SEC*	FIGURE NO:	<b>1</b>
DATE:	8/28/2014	SCALE:	1" = 2,000'	PROJECT NO:	142-797	* Hand signature on file	

## Letter from Fish and Wildlife

**Species Review**

Project: City of Berry Hill

Project Number: 040-559

2016

Completed by: Civil & Environmental Consultants, Inc.

**Species reported within 1-mile radius of Berry Hill:**

1.	2.		3.	4.	5.	6.	7.
Species  Scientific and common names, followed by (A) for animal or (P) for plant	Status		Species is potentially present in Project Boundary because:	Species is considered likely NOT present in Project Boundary because:	Accommodations to minimize impacts:	Habitat (include blooming, breeding or other information)	Notes
	Fed	TN	(A) it is listed by TDEC within Project Boundary (B) habitat is present (C) observed during site visit (D) critical habitat present within Project	(A) Present habitat unsuitable (B) Not observed during site visit (C) Original record questionable (D) Considered extinct/extirpated	(A) BMPs are sufficient to protect species (B) Special Notes are included on project plans (C) Individuals will be impacted. (D) Accommodations not practical due to broad habitat description or mobility of species		
<i>Etheostoma luteovinctum</i> , Redband darter (A)	--	D	B		A	Habitat includes shallow rocky pools of headwaters, creeks, and small rivers, including springs and spring fed brooks; near springs, this darter occurs: in both pools and riffles, often is associated with algae and aquatic plants (Natureserve.org).	This darter was last observed in the Berry Hill area on 1991-10-11.

# Berry Hill One Mile List 9.13.2016

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SCIENTIFIC_NAME	COMMON_NAME	FED_PROTECTION	ST_PROTECTION	LAST_OBS_DATE
Etheostoma luteovinctum	Redband Darter	--	D	1991-10-11



Photo 1. Southwestern (upstream) view of Browns Creek located north of the post office off Berry Rd. looking toward the I-65 box bridge.



Photo 2. Northeastern (downstream) view of Browns Creek located north of the post office off Berry Rd.



Photo 3. Southern (upstream) view of East Fork Browns Creek located near the Berry Rd. crossing.



Photo 4. Northern (downstream) view of East Fork Browns Creek looking at the Berry Rd. culvert crossing.



Photo 5. Southern (upstream) view of East Fork browns Creek looking upstream located near the cul-de-sac on Berry Hill Drive.



Photo 6. Southwestern (upstream) view of Browns Creek standing on the Craighead St. bridge.

**Section 4.H. Summary of Public Education, Outreach, Involvement and Participation Activities**

<b>Activity ID*</b>	<b>Activity Name</b>	<b>Summary Information</b>
SWMP 1.A PIE I.A	Newsletter	Brush Clipping and Fall Leaf Collection information and Water Environment Federation advertisement about keeping household waste out of storm drains in Fall 2015 newsletter (distributed 650 residential (some emailed) and 400 business). “Residential Waste and Recycling” information and “Please be Thoughtful of your Neighbors” section including pet waste management information included in Spring 2016 newsletter (distributed 340 residential and 400 business).
SWMP 1.A PIE I.B	Website	The City’s Stormwater website includes stormwater-related information such as the previous year’s MS4 permit annual report and other stormwater related items.
SWMP 1.B PIE I.C	Handouts - Residents	Distributed four stormwater-related handouts at the City’s Annual Picnic (5/21/2016).
SWMP 1.B	Handouts – IDDE “Hot Spot” Inspections	No problems observed during IDDE inspections.
PIE I.D	“Hot Spot” Landuses Inventory	Inventory maintained in SWMP document.
PIE I.F	Conduct one hot spot land use category inspection	Automotive Business (Lance’s) inspected Fall 2014.
PIE II.A	Home owner associations and other operators of permanent BMPs awareness of the importance of maintenance activities	Maintained list of home owner associations and other operators of other permanent BMPs
PIE II.B	Presentations for home owner associations where associations operate permanent BMPs	Met with property owner representative at 2600 Franklin Pike on 6/2/2016 and educated them in follow up discussions on their underground water quality BMP. The BMP was in need of maintenance which was performed within 30 days.
PIE III.A	Use pre-permit meetings with engineer/architect and developer/owner as an educational opportunity	Engineer educated during permit application review process through correspondence with City’s consulting engineer.
PIE III.B	Develop a handout for restaurants or other audience deemed necessary by the MS4. Continue to distribute educational materials to developments that include proposed restaurants. PY1 and ongoing.	Continue to provide grease trap handout to new restaurants.
PIE IV.B	Develop a listing of businesses that include professional chemical applicators (e.g., pest control businesses, landscaping companies, etc.). Half of these businesses to be visited in Permit	List of businesses was updated in Permit Year 6.

City of Berry Hill, TN  
Municipal Separate Storm Sewer System (MS4) Annual Report  
Report Addendum

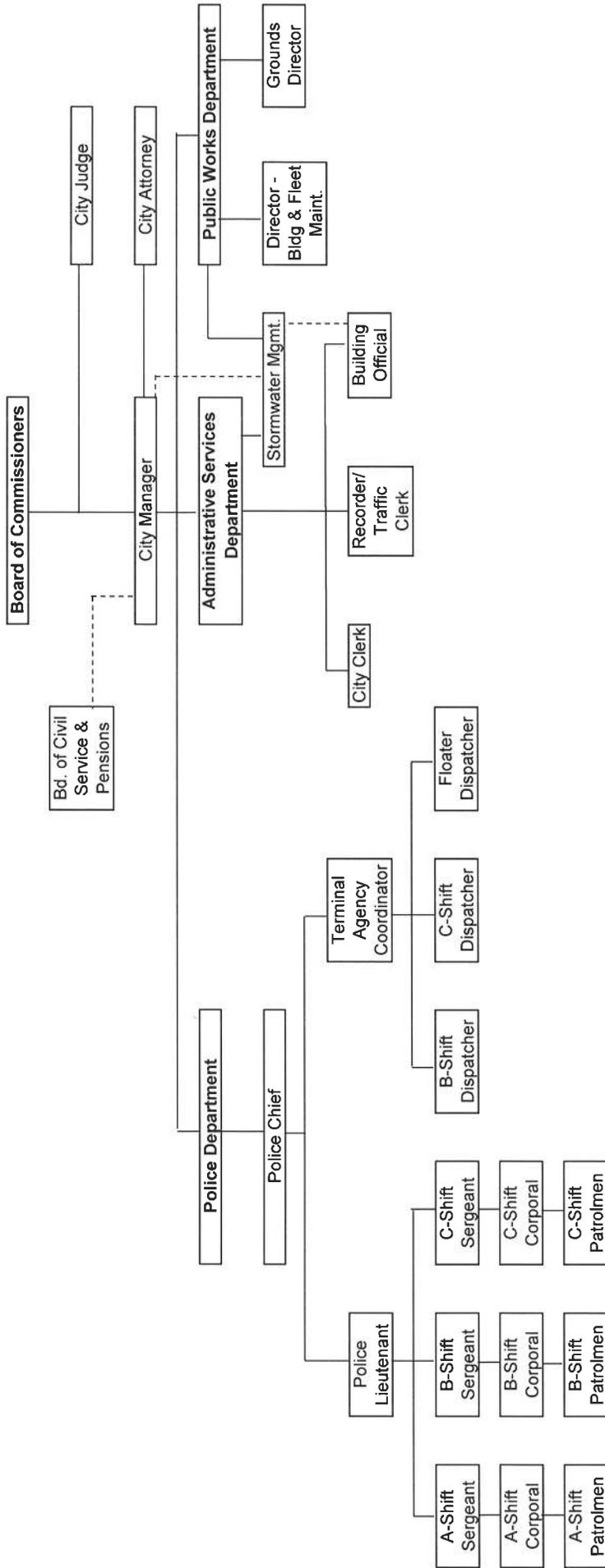
Activity ID*	Activity Name	Summary Information
	Year 4 and half in Permit Year 5.	
PIE V.B	Develop a listing of businesses that include professional chemical applicators (e.g., automotive service and repair, car rental businesses, etc.). Half of these businesses to be visited in Permit Year 4 and half in Permit Year 5.	List of businesses was updated in Permit Year 6.
PIE VII.A	Use existing pre-permit review meetings with City officials as an avenue to provide education for local engineering and development community	Engineer educated during permit application review process through correspondence with City's consulting engineer.
PIE VIII.B	Provide contractor training and discussion of daily operations in a pre-construction meeting	Contractor provided copy of Land Disturbance Permit (LDP) which summarizes permit requirements.
SWMP 1.C	Stormwater Ordinance Input	A revised stormwater ordinance passed first reading during this permit year but not second reading due to TDEC extension. 09/12/2016 - Public meeting held regarding FY 2016 MS4 permit annual report.
SWMP 1.D	Complaint Log	None received this permit year.
SWMP 1.F	Implement advertising method and continue to use	The City used its existing practice of direct mailings twice during this permit year.

\* - SWMP – Stormwater Management Plan, PIE – Public Information and Education Plan

**Section 8.B. Status of Implementation of Code, Ordinance and/or Policy Revisions  
Associated with Permanent Stormwater Management**

The City has completed the Water Quality Scorecard and has identified potential policy revisions to be made within the Permit term. Current stormwater ordinance was adopted June 13, 2011. The stormwater ordinance has been revised and has passed one reading but has not yet been through second reading due to the second TDEC extension to the MS4 Permit requirements through October 2016, and the revised ordinance will address a portion of the WQ Scorecard recommendations. The City's Community Development Code (zoning ordinance) was amended to address some WQ Scorecard recommendations (e.g. street trees in the ROW allowed to count toward landscaping requirements for a site).

# CITY OF BERRY HILL ORGANIZATIONAL CHART





## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Tennessee ES Office  
446 Neal Street  
Cookeville, Tennessee 38501



October 05, 2016

Mr. Steven E. Casey  
Project Manager  
Civil & Environmental Consultants, Inc.  
325 Seaboard Lane, Suite 170  
Franklin, Tennessee 37067

Re: CEC Project No. 040-559.0002/FWS #16-EC-0168

Dear Mr. Casey:

Thank you for your correspondence received September 07, 2016, regarding compliance with the Tennessee Department of Environment and Conservation (TDEC) Notice of Coverage annual reporting requirements for the City of Berry Hill's MS4 permit (TNS075167) and stormwater management program in Davidson County, Tennessee. U.S. Fish and Wildlife Service (Service) personnel have reviewed your request for technical assistance and offer the following comments.

Review of our endangered species database indicates that no federally listed or proposed endangered or threatened species occur within the jurisdictional boundaries of the City of Berry Hill's stormwater management program. In view of this, we believe that adverse effects to federally listed species from activities carried out under that program are not anticipated.

Thank you for the opportunity to comment. If you have any questions, please contact Steve Alexander of my staff at 931/528-6481, ext. 210, or via e-mail at [steven\\_alexander@fws.gov](mailto:steven_alexander@fws.gov).

Sincerely,

Mary E. Jennings  
Field Supervisor

xc: Robert Karesh, TDEC Central Office, Nashville  
Ann Morbitt, TDEC-EAC, Nashville