

**Fiscal Year 2015-2016**

**Town of Beech Mountain**  
**Wastewater Treatment Works**  
**And**  
**Wastewater Collection System**  
**Annual Report**

**Town Hall – (828) 387 – 4236**  
**Wastewater Treatment Plant – (828) 387 – 4724**

Explain any reportable NPDES violations (i.e. data, type, permit limit Violations; monitoring and reporting violations, illegal bypass of treatment Facilities, sanitary sewer overflows and estimated total monthly volumes And locations of events in which more than 1000 gallons reach surface waters; Any known environmental impact of violation; plant's action to resolve Violations).

**See Attachments 1, 2, 3.**

**Pond: 0 violations, 0 SSO**

**Grassy: 1 violations, 0 SSO**

**III. Notification**

Statement as to how customers or users have been provided access to the Report: (i.e. public hearing, public notice in local newspaper, or direct Mailing. Public notice must attach a certificate of publication).

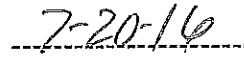
Public Notice\_Public TV Channel 2, Notice at Town Hall,  
Notice in Watauga Democrat newspaper

**IV. Certification**

Certify under penalty of law that this report is complete and accurate to the Best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and have been notified of its availability.



Signature of Responsible Person



Date

Title: **Town Manager**

Entity: **Town of Beech Mountain**

Plant Performance

Grassy Gap 2015-2016

NPDES Permit Limit	Flow	BOD		Suspended Solids		pH	Fecal Coliform	NH-3N	Total Nitrogen	Total Phosphorus
	Out MGD	In	Out ppm	In	Out ppm	Out	Out 200/100ml	Out ppm	Out ppm	Out ppm
0.08						6 to 9	200	11		

2015 July	0.049	223	6	153	7.1	7	2	3.5		
August	0.038	244	8	149	10.9	6.2	11	0.2	7.3	3.6
September	0.025	194	3	125	7.5	6.4	8	0.6		
October	0.058	210	10	94	10	6.9	1	2.4		
November	0.046	125	3.7	59.7	13.6	6.2	2	0.75		
December	0.073	170	3.4	139.6	11.48	6.9	1.7	4.64		
2015 January	0.024	150	6.4	86.8	5.4	7.4	1	6.05	14.8	2.1
February	0.092	158	9.1	70.6	8.9	6.7	2	3.2		
March	0.017	197	11.5	157.2	7.64	6.7	1	6.4		
April	0.008	140	6.6	74.8	7.2	6.9	1	3.78		
May	0.032	208	11.9	70	6.3	6.3	1	1.7		
June	0.018	262	8	130	10.3	6.7	7	8.2		

Yearly Avg.	0.04	190.1	7.717	109.141667	8.90166667	6.692	3.225	3.451667	11.05	2.85
Yearly Max.	0.092	262	11.9	157.2	13.6	7.4	11	8.2	14.8	3.6
Yearly Min.	0.008	125	3	59.7	5.4	6.2	1	0.2	7.3	2.1

**ATTACHMENT #2**

**GRASSY GAP NPDES PERMIT VIOLATIONS 2015-2016**

<u>YEAR</u>	<u>MONTH</u>	<u>VIOLATION</u>
2015-2016	February	Flow 0.092 mgd

Plant Performance

Pond Creek 2015-2016

Flow Out MGD	BOD ppm		Suspended Solids ppm		pH Out	Fecal Coliform 200/100ml Out		NH-3N Out ppm	Total Nitrogen Out ppm	Total Phosphorus Out ppm	Toxicity Out
	In	Out	In	Out		Out	Out				

NPDES Permit Limit    0.4    30    30    6 to 9    200    200    Pass/Fail

2015 July	0.148	227	4.4	177	10.3	6.3	2	2.2			P
August	0.116	234	2	234	11.8	6.2	1	0.9	16.4	4.1	
September	0.169	214	3.1	166	13.3	6.4	1	1.8			
October	0.232	229	2.1	110	11.1	6.5	1	1.8			P
November	0.154	154	1.6	73.5	13.7	6.3	1	0.34			
December	0.215	142	3.2	84.2	9.1	6.7	1	3.7			
2016 January	0.084	149	4.9	152	9.2	6.3	1	5.6			P
February	0.286	147	2	102	10.1	6.6	1	3.3	15.8	1.9	
March	0.068	185	2.2	102	9.2	6.4	1.14	2			
April	0.019	152	<2.0	82	7.1	6.3	1	0.44			P
May	0.06	229	4.3	86.3	7.7	6.3	1	1.8			
June	0.052	229	<2.0	201	8.7	6.2	2	2.5			

Yearly Avg.	0.134	190.9	2.98	130.8333333	10.10833333	6.375	1.778333333	2.1983333	16.1	3	P
Yearly Max.	0.286	234	4.9	234	13.7	6.7	2	5.6	16.4	4.1	
Yearly Min.	0.019	142	1.6	73.5	7.1	6.2	1	0.34	15.8	1.9	

**ATTACHMENT #1**

**POND CREEK NPDES PERMIT VIOLATIONS 2015-2016**

<u>YEAR</u>	<u>MONTH</u>	<u>VIOLATION</u>
2015-2016		NONE

**Annual Report for Wastewater Treatment Works / Wastewater Collection System**

**I. General Information**

Name of Regulated entity:

**Town of Beech Mountain Pond Creek WWTP / Grassy Gap WWTP**

Responsible entity, person or contact with phone number & address:

Name **Ed Evans Town Manager**

Address: **403 Beech Mountain Parkway**

**Beech Mountain, N.C. 28604**

Phone: **(828) 387 – 4236**

Listing of Applicable permits

**NPDES NC0069761 Pond NC0022730 Grassy**

Description of collection or treatment system or process:

**Pond Creek: Gravity collection with two pump station to a .400 MGD  
Extended Aeration WWTP with UV disinfection.**

**Grassy Gap: Gravity collection with three pump stations to a .080 MGD  
Extended aeration WWTP with Cl2 disinfection. Total collection system  
60 miles of pipe.**

**II. Performance**

# of reportable NPDES violations

**Pond Creek: 0**

**Grassy Gap: 1**

**Collections System: 0 OSS**

Date of last reportable NPDES violation

**Pond Creek: 0**

**Grassy Gap: 1 February**

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