Planning Statement for VPDES Permit Application Processing DEQ-SCRO

VPDES	OwnerName	Facility	County
VA0062421	Newton, Dennis W.	Newton Mobile Home Park STP	Mecklenburg

Outfall #: 001

River Basin: Roanoke River

Receiving Stream: Little Buffalo Creek

Subbasin: Roanoke River

Watershed Code: L76R

River Mile: 1.9

	MGD		MGD
1Q10	0.078	**HF 1Q10**	0.173
7Q10	0.103	**HF7Q10**	0.206
30Q5	0.153	**HF30Q10**	0.247
30Q10	0.129	**HM**	0.312

Modeling Notes

WQMP Name 9 VAC 25-720-80

Statement There are no allocations set for this facility

TMDL ID L76R-01-BAC / L76R-01-BEN (2012 Draft IR)*

Impairment Cause Bacteria / Benthics

TMDL Due Date 2014 / 2024

Completed TMDL Information

TMDL Approval Dates

ABGray 1/26/12

Amanda B. Gray, Water Planning Engineer or Paula Nash, TMDL Coordinator — **Date**

* 2012 IR should be finalized before permit reissuance, to includ. Benthic Impaired statement.

** PCB monitoring for Kerr Reservoir Watershed TMDL tentatively scheduled for 2014.

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY
South Central Regional Office - Water Planning
7705 Timberlake Road Lynchburg, VA 24502 434/582-5120

SUBJECT: Flow Frequency Determination
Newton MHP STP – VA#0062421

TO: Leah Revelle

FROM: Amanda Gray

DATE: January 26, 2012

COPIES: File

The flow frequencies determined for the discharge site remain the same as those calculated in 2006. The flow statistics at the gages used in the analysis have not been updated since 2005.

Little Buffalo Creek at discharge point:
Drainage Area: 2.11 mi^2

1Q10 = 0.121 cfs (0.078 MGD)	High Flow 1Q10 = 0.268 cfs (0.173 MGD)
7Q10 = 0.159 cfs (0.103 MGD)	High Flow 7Q10 = 0.318 cfs (0.206 MGD)
30Q5 = 0.237 cfs (0.153 MGD)	High Flow 30Q10 = 0.383 cfs (0.247 MGD)
30Q10 = 0.2 cfs (0.129 MGD)	Harmonic Mean = 0.482 cfs (0.312 MGD)

The high flow months are January through May. This analysis assumes there are no significant discharges, withdrawals or springs influencing the flow in Little Buffalo Creek upstream of the discharge point.

If there are any questions concerning this analysis, please let me know.

2010 Impaired Waters

Categories 4 and 5 by Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L76R-01-BAC** **Little Buffalo Creek**

Location: Little Buffalo Creek from its headwaters to its mouth on Kerr Reservoir.

City / County: Mecklenburg Co.

Use(s): Recreation

Cause(s)* /
VA Category: Escherichia coli / 5A Fecal Coliform / 5A

Station ID:
4ALFF001.85 (Ambient)
E. Coli - 0/2 Violation Rate
Total Fecal Coliform - 7/13 Violation Rate

Little Buffalo Creek ***Impaired Area ID: VAC-L76R-01 - Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli - Total Impaired Size by Water Type:			**2.55**

Little Buffalo Creek ***Impaired Area ID: VAC-L76R-01 - Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:			**2.55**

Sources:

Package Plant or Other
Permitted Small Flows
Discharges

*Incorporates only those Cause Group Codes assigned to the Impaired Area ID. Header Infomation: Location, City/County, Cause/VA Category and Narratives describe the total impaired area per Cause Group Code. Sizes may not reflect the entire specific Cause impairment.

MEMORANDUM
Department of Environmental Quality
Blue Ridge Regional Office

7705 Timberlake Road **Lynchburg, Virginia 24502**

Subject: Planning and TMDL Service Requests for VPDES Permits

To: Amanda Gray, Water Planning Engineer to
Paula Nash, TMDL Coordinator

From: Leah Revelle

Date: 1/25/2012

Copies: Planning File

The request for information is to be made at the following times:

Planning: Upon sending the reissuance reminder letter to the facility or, for an issuance or modification, at the time of application/modification request receipt.

TMDL: Same as above. For VPDES general permits, at the time of registration statement receipt.

FACILITY NAME: Newton Mobile Home Court STP

VPDES PERMIT NO. VA0062421 EXPIRATION DATE: 6/30/2012

FACILITY PHYSICAL LOCATION: Route 58, 5 miles west of Clarksville, VA - Mecklenburg County

INDIVIDUAL PERMIT ACTION: Issuance **Reissuance** Modification

GENERAL PERMIT ACTION: New Coverage Previously Covered – N/A

PERMIT TYPE: Major **Minor** General **Municipal** Industrial Storm Water TMP TRE

If a VPDES General Permit, which type: _____

PERMIT WRITERS: ATTACH THE FOLLOWING

- **Topo map with facility location and outfall locations clearly marked (include any proposed outfalls)**
- **Site diagram for facilities with multiple outfalls**
- **Description or map showing effluent flow path if not apparent on topo map**
- **The outfall numbers, latitude, longitude, receiving stream and topo name in the table below (use an additional sheet if there are more outfalls)**

Outfall No.	Latitude	Longitude	Receiving Stream	Topo Name
001	36° 37' 55"	78° 38' 15"	Little Buffalo Creek	Buffalo Springs, 12B

DATE INFORMATION NEEDED: 2/1/2012

Considered 001 –
samples taken here before
being piped to Little Buffalo.
Piped outfall point: 36° 37' 36.3"
-78° 37' 49.4"

L76R-01-BAC
TMDL - Bacteria 2014
PCB - Ken 2014
Draft 2012 -
Imp Buchick
L76R-01-BEN