

Karen Edwards

From: Michael Behrendt
Sent: Tuesday, September 28, 2021 11:08 AM
Subject: Gerrish Drive - email from James Bubar *
Attachments: dpw_copier@ci.durham.nh.us_20210924_115011.pdf

To the Planning Board (cc to applicant),
James Bubar has requested that I forward his email below and the attachment to the Planning Board. Please note that I conveyed to Mr. Bubar that Planning Board members must not send this kind of communication directly to applicants and applicants' agents. Board members must communicate these kinds of issues with the Planning Board. If the board then wishes to request specific information or actions it can then do so.

Board members can communicate directly with me or with other Town staff, such as Public Works (e.g. if they wish to ask general questions), but only the board (or I if appropriate with cc to the board) should convey these kinds of comments/suggestions to an applicant. (Mr. Bubar's email did not reach Mike Sievert as he had the wrong address but Mr. Sievert is being copied here.) Likewise, Mr. Sievert should not respond to the email unless requested by the board or in discussions with Public Works.

Michael Behrendt
Durham Town Planner
Town of Durham
8 Newmarket Road
Durham, NH 03824
(603) 868-8064
www.ci.durham.nh.us

From: james@bubar.org [<mailto:james@bubar.org>]
Sent: Tuesday, September 28, 2021 10:31 AM
To: msievert@horisonsengineering.com
Cc: Michael Behrendt; April Talon
Subject: Water Quality in Head Waters of Gerrish Brook

Mr. Sievert,

I believe the property being developed at 91 Bagdad Road is the headwater of Gerrish Brook. I don't believe there are any non-natural sources of water pollution there currently, excepting the neighboring properties. I am aware that after a rainfall, water running through

decomposing pine needles will pick up acid and tannins naturally and carry those into the stream. That is how things work.

I would encourage you to encourage your client to take a water sample 50 to 100 feet downstream from the major culvert that you propose to install as part of the project. This would serve as a baseline for the project. I have attached an invoice the Town received for this work (note this is for multiple tests, a single test would be \$405), if elevated levels of nitrogen, phosphorus, bacteria, etc. are present then that would support the suggestions that old, failing septic systems are upstream of Gerrish Brook. As I understand your current application, there should be no septic runoff, the roads are sloped back into the Commons and then through the stormwater management facilities. Salt, petroleum leaks on driveways, fertilizers, herbicides, pesticides potentially can cause issues to the extent the stormwater facilities allow them to pass through into the brook and they are indiscriminately used in the first place.

The baseline could provide invaluable information to the Town and others wanting to evaluate and valid stormwater management designs and more importantly provide your client with documentation on the level of land stewardship they claim to be striving for in this development and their ultimate results in achieving that goal. It would serve to dismiss or support claims of environmental damage resulting from the development.

I have copied Michael Behrendt in the hopes of avoiding any accusations of ex parte communications. Whenever available, I prefer facts over reasoned judgement. Science over inuendo.

James A Bubar

Invoice



Absolute Resource *associates*

124 Heritage Avenue #16 Portsmouth, NH 03801

jrichard@ci.durham.nh.us
Town of Durham
100 Stone Quarry Drive
Durham, NH 03824

Invoice #: 159554
Invoice Date: 6/7/2021
Payment Due: 7/7/2021
Project ID: Durham Outfalls
PO#: R490.2001

Project Manager: Eric Kelley
Job ID: 57160

Samples Received: 5/26/2021

Description	Quantity	Unit Price	Total
Ammonia in water by SM4500NH3-D	4	\$35.00	\$140.00
Bacteria MPN by SM9223B ColiQT in Drinking Water	4	\$45.00	\$180.00
Biochemical Oxygen Demand (BOD) by SM5210B	4	\$55.00	\$220.00
Chloride in water by 300.0A	4	\$25.00	\$100.00
Enterococci Bacteria MPN by Enterolert	2	\$45.00	\$90.00
Total Phosphorus in water as P by 365.3	4	\$35.00	\$140.00
Surfactants (MBAS) in water by SM5540Cmod	4	\$95.00	\$380.00
Total Nitrogen (NO2&NO3 + TKN)	4	\$105.00	\$420.00

Invoice Total: \$1,670.00

VCHR# _____ VENDOR# 180045
PO# _____ APPROVED [Signature]
INV DATE 6/7/21 INV AMT \$1,670.00
INV# 159554
ACCT# _____
ACCT# 36090093
ACCT# _____

Payment Terms: Net 30. Thank You.

Remit to: Absolute Resource Associates, LLC
124 Heritage Ave, Unit 16
Portsmouth, NH 03801