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Item No. 1
North West Community Council
July 11, 2016

TO: Chair and Members of North West Community Council

Original Signed

SUBMITTED BY:

Bob Bjerke, Chief Planner and Director, Planning and Development

DATE: June 20, 2016

SUBJECT: Bedford West Total Phosphorus Threshold Exceedance – Spring 2016

INFORMATION REPORT

ORIGIN

Bedford Municipal Planning Strategy, Bedford West Secondary Planning Strategy, Policies BW-3, BW-4, and BW-5.

Development Agreements between Halifax Regional Municipality and West Bedford Holdings Ltd, and between Halifax Regional Municipality and Cresco Ltd.

LEGISLATIVE AUTHORITY

The Halifax Regional Municipality Charter, Part VIII, Planning and Development, Section 240, Development Agreements.

BACKGROUND

The Bedford West Secondary Planning Strategy, Policy BW-3, requires that a water quality monitoring program be undertaken for the Paper Mill Lake watershed to track the eutrophication process. The terms of the program are specified within Development Agreements that have been negotiated in consultation with the Bedford Watershed Advisory Board¹ until its dissolution in 2013, and the Regional Watersheds Advisory Board since 2013.

All such agreements require that the municipality designates a member of staff to submit test results to the Developer, the Community Council, and BWAB (now RWAB) within three months of being received from the consultant, or immediately, if total phosphorus ("TP") or bacterial results exceed management thresholds identified therein.

¹ RWAB assumed the functions previously performed by BWAB respecting Bedford West SPS once it began conducting meetings in July 2013.

DISCUSSION

This report constitutes notification that total phosphorus concentrations exceeded the trigger value of 10 micrograms per Litre (10ug/L) at six of eleven stations monitored in May 2016. A map depicting the location of these stations is presented in Attachment A. A summary of TP results observed at all stations is presented below in Table 1.

Sample Station	Concentration (µg/L)	Exceedance
KL-1	24	Yes
KL-2	9	No
KL-3	8	No
KL-4	7	No
KL-5	4	No
HWY 102-1	5	No
HWY 102-2	222	Yes
LSD	1,250	Yes
LU	29	Yes
PML-1	173	Yes
PML-2	12	Yes

Table 1: Summary of TP results and exceedances May 2016.

Development Agreements in effect for sub-areas now undergoing development authorize the municipality to direct the selected water quality monitoring consultant (i.e., contractor) to undertake follow-up testing in the event that threshold levels are exceeded. On this occasion, management decided not to conduct follow-up testing, as an assessment process is already underway pursuant to exceedances previously observed. Staff will report the results of the full May sampling event to the Committee upon receipt of the approved final report from its contractor.

FINANCIAL IMPLICATIONS

There are no financial implications for this report.

COMMUNITY ENGAGEMENT

No community engagement was required for this report.

ATTACHMENTS

Attachment A: Water Quality Monitoring Test Locations

A copy of this report can be obtained online at <http://www.halifax.ca/commcoun/index.php> then choose the appropriate Community Council and meeting date, or by contacting the Office of the Municipal Clerk at 902.490.4210, or Fax 902.490.4208.

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Report Approved by: Shannon Miedema, Manager, Energy & Environment, 902.490.3665

ATTACHMENT A: WATER QUALITY MONITORING TEST LOCATIONS

