

## BUCKSPORT GENERATION BUCKSPORT WATER SYSTEM

Lake level is controlled by a dam and a manual gate.  
Toddy Pond feeds the Alamoosook Lake through an unnamed stream.

There are 2 pumps that operate as required.

Lake level is controlled by a dam and a manual gate that overflows into the Narramissic river. When Silver Lake levels are low we run an electric pump through 12,200 feet of pipe that travels above/below the ground through residential areas to maintain level.

Lake level is controlled by a dam and a manual gate that overflows into the Mill stream. Silver Lake feeds the filter house by gravity through 2,000 feet of pipe.

There are 2 rotary screens rated for 10MGPD each. There is 1 traveling screen to remove debris. Shower water pumps cleans the rotary screens.

Note:  
At each of the controlled dams there are measuring devices used to establish water levels behind the dam. The numbers of these devices represent the water level of each body of water. The numbers are not comparable across lakes.

For additional information review documents located in the following DIR.  
S: \DMS Environmental Files

TODDY POND – ORLAND

### Physical Characteristics

Volume = 49,989 cu/ft  
Area = 2,408 acres  
Target Max = 100' Min = 98.5'  
Max depth = 122'

ALAMOOSOOK LAKE – BUCKSPORT

### Physical Characteristics

Volume = 15,298 cu/ft  
Area = 997 acres  
Target Max = 121.5' Min = 120'  
Max depth = 28'

PUMP HOUSE

### Physical Characteristics

Volume = 6,062 cu/ft  
Area = 682 acres  
Target Max = 128' Min = 124'  
Max depth = 33'

SILVER LAKE – BUCKSPORT

FILTER HOUSE – BEHIND LAND FILL

The Filter House feeds the Bucksport Site by gravity through 3,400 feet of pipe

BUCKSPORT SITE

The previous Bucksport Mill used an average of 12.6 MGPD of fresh water in the paper making process.  
The effluent flow averaged 11.54 MGPD in 2009 against a goal of 11 MGPD.

0	07/19	SAB	COMPANY NAME AND TARGET LEVEL UPDATES	
NO	M/Y	BY	REVISION	

S-19559--BUX--S0--R1--080719--Bucksport Water System Flow Diagram, 1433.dwg



## BUCKSPORT GENERATION BUCKSPORT WATER SYSTEM FLOW DIAGRAM

SCALE: NONE	M/D/Y	DRAWING NUMBER	R
DRAWN: MAS	04/06/10	<b>S-19559 1</b>	
CHKD:			
APPD:			