

NEED HL 59ft.  
MOUND NAME #.  
PICS OF ALL 4 SIDES  
DRAWING SHOWING ELEVATION  
HL 59ft  
NEW SITE

## MEMORANDUM



TO: James Smith  
FROM: 7 Lakes Alliance  
RE: SITE EVALUATION, 8 Chestnut Lane  
DATE: 7/8/22

Ensuring Our Future

The Smith property on Messalonskee Lake in Belgrade, Maine:

This proposed project will include shoreline stabilization as well as activities adjacent to a protected natural resource. The first priority is installing an erosion control mix (ECM) berm across the lake front of the property prior to construction beginning. An ECM berm is the preferred best management practice (BMP) for this site because silt fence cannot be installed correctly in this location and a silt sock may not be robust enough to hold runoff back due to the steep slope and uneven ground. An ECM berm will fill in the uneven areas of the ground and maintain a constant elevation across the length of the property. The berm will measure approximately 1.5ft high and 4ft wide.

The second priority is stabilizing the currently unstable soil around the structure. This will be done by spreading a 3in layer of ECM across all areas of currently exposed soil. This will be done prior to construction and then again after construction is completed.

Shoreline stabilization should not be done until after construction is complete. This is because the construction project could potentially damage the plants and/or the riprap we add to the shoreline. To stabilize the shoreline approximately 6 creeping juniper plants will be planted along the upper part of the eroding bank with the goal of stabilizing the top part of the eroding face. Along the waterline the rocks that have sluffed off and fallen in over the years will be retrieved and repacked into the shoreline. Additionally, I would like to pack the shoreline with 6-12in angular granite to keep all the old round rocks locked in place. This portion of the project will likely be completed in the spring or early summer of 2023.

The final portion of this project is installing driplines. Driplines will be 18in wide x 18in deep, run the length of the structure on both sides, and will also be installed on either side of the shed. The extra depth of the driplines will allow them to also work as infiltration trenches.

A few additional notes: As mentioned in the report by Department of Environmental Protection (DEP) the structure cannot be moved any farther back due to the shape of the parcel, the road, septic, and railroad track. While the structure itself may not be able to be moved back, I believe there is room to improve on it. Currently there is no basement and the entire underside of the building is exposed soil. Putting a basement under this structure will permanently eliminate a large amount of erodible soil, and extending the basement back a few feet can also eliminate a

950 x .09 = 85.50  
Review Fee = 25.00  
110.50

Shoreland  
Certified Contractor Dana Labbe  
Number # 3052  
 Non Shoreland

# Town of Belgrade, Maine APPLICATION FOR PERMIT

990 Augusta Road Belgrade Me 04917  
207-495-2258  
Application # 22-102  
Map# 50 Lot# 23-2  
Permit# \_\_\_\_\_

Date Logged \_\_\_\_\_ Date Rec'd by PB/CEO 8-3-22 <sup>50</sup>  
\$ 110 Fee Paid Receipt# 7485  
11/3/22

1. Applicant:  
Name James G. Smith  
Mailing Addr 447 BOG ROAD  
State/Zip MASSALBORO 04989 Phone# 207692-7147

2. Owner (if other than applicant):  
Name \_\_\_\_\_  
Mailing Addr \_\_\_\_\_  
State/Zip \_\_\_\_\_ Phone# \_\_\_\_\_

3. Specific location of property 8 Chestnut Drive Map# 50 Lot# 23-2  
Name of Lake/Pond/Stream (if applicable) MESSALONSKER LAKE

4. Current use of property (check all that apply)  
 Residential/Recreational;  Individual Private Campsite; \_\_\_\_\_ Commercial; \_\_\_\_\_ Industrial; \_\_\_\_\_ Other

5. Proposed construction or change in use: DECK REPLACEMENT TO ORIGINAL FOOTPRINT, BASEMENT FULL FOUNDATION TO ASSIST EROSION CONTROL, ADDITION ON BACK TO ACCESS BASEMENT

6. Existing sewage disposal system type and capacity: TANK to shared Leach. AND RAMP  
Present number of bedrooms 2; Bedrooms to be added under this application NONE  
When did you purchase the property within Shoreland Zone? 1980 (month/year) If after 11/6/18, attach copy of septic system inspection report documenting it is not malfunctioning.

7. Total lot area 1 ACRE; Lot area within the Shoreland Zone ALL

8. Square footage of unvegetated surface within shoreland zone including all structures, driveways, parking, walkways and patios. 15,925

9. What is the total area of cleared openings of woody vegetation (Sqft) 10,000

10. Total number of structures on the lots 1. A site plan to-scale MUST accompany this application and be prepared in accordance with the requirements on the attached Instruction Sheet (Item #10 on the Instruction Sheet). All required attachments must accompany this application.

Present Structure Square Footage  825 sq/ft Total footprint  
Proposed Structure Square Footage  950 sq/ft.

\*Required only for structures within Shoreland Zone

I/We have obtained and understand the requirements of all Town of Belgrade Ordinance which apply to the proposed construction or change of use. The undersigned applies for a permit to build, alter or improve existing structure(s) or grounds as stated above on this application and portrayed on the attachments. The information provided is true and correct.

Signature: James G. Smith Signature: \_\_\_\_\_

There may be additional Federal, State or local permits required depending on the nature of the project.

**TOWN USE ONLY**

DECISION: \_\_\_\_\_ APPROVE \_\_\_\_\_ DISAPPROVED

Conditions \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ PB \_\_\_\_\_ CEO \_\_\_\_\_

Signatures: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## MEMORANDUM

TO: James Smith  
FROM: 7 Lakes Alliance  
RE: SITE EVALUATION, 8 Chestnut Lane  
DATE: 7/8/22



Ensuring Our Future

The Smith property on Messalonskee Lake in Belgrade, Maine:

This proposed project will include shoreline stabilization as well as activities adjacent to a protected natural resource. The first priority is installing an erosion control mix (ECM) berm across the lake front of the property prior to construction beginning. An ECM berm is the preferred best management practice (BMP) for this site because silt fence cannot be installed correctly in this location and a silt sock may not be robust enough to hold runoff back due to the steep slope and uneven ground. An ECM berm will fill in the uneven areas of the ground and maintain a constant elevation across the length of the property. The berm will measure approximately 1.5ft high and 4ft wide.

The second priority is stabilizing the currently unstable soil around the structure. This will be done by spreading a 3in layer of ECM across all areas of currently exposed soil. This will be done prior to construction and then again after construction is completed.

Shoreline stabilization should not be done until after construction is complete. This is because the construction project could potentially damage the plants and/or the riprap we add to the shoreline. To stabilize the shoreline approximately 6 creeping juniper plants will be planted along the upper part of the eroding bank with the goal of stabilizing the top part of the eroding face. Along the waterline the rocks that have sluffed off and fallen in over the years will be retrieved and repacked into the shoreline. Additionally, I would like to pack the shoreline with 6-12in angular granite to keep all the old round rocks locked in place. This portion of the project will likely be completed in the spring or early summer of 2023.

The final portion of this project is installing driplines. Driplines will be 18in wide x 18in deep, run the length of the structure on both sides, and will also be installed on either side of the shed. The extra depth of the driplines will allow them to also work as infiltration trenches.

A few additional notes: As mentioned in the report by Department of Environmental Protection (DEP) the structure cannot be moved any farther back due to the shape of the parcel, the road, septic, and railroad track. While the structure itself may not be able to be moved back, I believe there is room to improve on it. Currently there is no basement and the entire underside of the building is exposed soil. Putting a basement under this structure will permanently eliminate a large amount of erodible soil, and extending the basement back a few feet can also eliminate a

large portion of the old wood constructed retaining wall that is prone to failure and can cause future erosion issues.

All labor and materials required for the work described herein are reflected in the attached Cost Estimate. This includes the breakdown of cost sharing between the Landowner and 7 Lakes Alliance for labor, assuming all work is performed by YCC personnel. As always, the cost of all materials required would be borne by the Landowner.

Please contact Stuart Cole ([stuart.cole@7lakesalliance.org](mailto:stuart.cole@7lakesalliance.org)) if you have questions. Thank you for seeking 7 Lakes Alliance's help with your erosion problem.

7 LAKES ALLIANCE  
 MAIL: P.O. BOX 250, BELGRADE LAKES, MAINE 04918  
 OFFICE: 137 MAIN STREET, BELGRADE LAKES, MAINE  
 EMAIL: stuart.cole@7lakesalliance.org  
 PHONE: 207-495-6039



**YCC Project Estimate- James Smith, & Chesnut Lane, Belgrade**  
 7/28/22 90-day estimate

LABOR ESTIMATE		DISCOUNTED		7 LAKES IN-KIND	
PROJECT CONSTRUCTION*	QUANTITY	UNIT	UNIT COST	COST	LANDOWNER COST (70% crew discount)
<b>SUBTOTAL 1</b>	2.50	crew day	1,100.00	\$ 2,750.00	\$ 825.00
				\$ 2,750.00	\$ 825.00
<b>MATERIALS ESTIMATE**</b>					
4-6 inch angular riprap (clean)					
6-12 inch angular riprap (clean)	6	cubic yard	\$ 21.00	\$ 126.00	\$ 126.00
3/4 inch crushed stone (clean)	7	cubic yard	\$ 30.75	\$ 215.25	\$ 215.25
Erosion Control Mulch	10	cubic yard	\$ 41.00	\$ 410.00	\$ 410.00
Decorative bark mulch					
Geotextile	150	square feet	\$ 0.35	\$ 52.50	\$ 52.50
Lumber:					
6" X 6" timbers		8ft lengths	\$ 42.95	\$ -	\$ -
other		18ft lengths	\$ 6.00	\$ -	\$ -
Rebar		each	\$ 30.00	\$ 180.00	\$ 180.00
native, woody shrubs (creeping juniper)	6			\$ -	\$ -
Compost mix				\$ 180.00	\$ 180.00
Tax (5.5%)				\$ 54.11	\$ 54.11
<b>SUBTOTAL 2</b>				\$ 1,037.86	\$ 1,037.86
<b>DELIVERY FEES</b>					
PERMITTING ASSISTANCE	3.00	variable	\$ 75.00	\$ 225.00	\$ 225.00
MAINE DEP PERMIT FEE	1.00	PBR	\$ 100.00	\$ 100.00	\$ 50.00
<b>SUBTOTAL 3</b>	1.00	PBR	\$ 266.00	\$ 266.00	\$ 266.00
<b>TOTAL (Sections 1+2+3)</b>				\$ 4,378.86	\$ 2,403.86
<b>50% due up front</b>				\$	\$ 1,201.93

Estimated landowner's total

50% of estimate due up front

**NOTES**  
 \* Estimated Project Construction includes the cost of technical assistance, labor, and supervision. This is an estimate only. Unforeseen site conditions/circumstances are common.  
 \*\*This is an estimate only. The cost of materials will vary depending on the source.

The Smith Project will include the following: Stabilization of exposed areas of soil with erosion control mulch, shoreline stabilization with riprap & planting, installation of an ECM berm prior to construction, and installation of driplines post construction.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**PERMIT BY RULE NOTIFICATION FORM**  
 (For use with DEP Regulation, Natural Resources Protection Act - Permit by Rule Standards, Chapter 305)

APPLICANT INFORMATION (Owner)				AGENT INFORMATION (If Applying on Behalf of Owner)			
Name:	James G Smith			Name:	James G Smith		
Mailing Address:	447 Bog Road			Mailing Address:	8 chestnut rd		
Mailing Address:				Mailing Address:			
Town/State/Zip:	Vassalboro , Maine 04989			Town/State/Zip:	Belgrade, Maine 04917		
Daytime Phone #:	(207) 692-7147	Ext:		Daytime Phone #:	(207) 692-7147	Ext:	
Email Address:	kathylawler0524@yahoo.com			Email Address:	kathylawler0524@yahoo.com		
PROJECT INFORMATION							
Part of a larger project? (check 1):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	After the Fact? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Project involves work below mean low water? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name of waterbody:	Messalonskee
Project Town:	Belgrade		Town Email Address:	ceo@townofbelgrade		Map and Lot Number:	50-lot 23 -2
Brief Project Description:	Foundation working with 7 lakes for shoreline stabilization						
Project Location & Brief Directions to Site:	4 season camp 8 chestnut dr Belgrade Maine 04917						

**PERMIT BY RULE (PBR) SECTIONS (Check at least one):** I am filing notice of my intent to carry out work that meets the requirements for Permit-by-Rule (PBR) under DEP Rules, Chapter 305. I and my agent(s), if any, have read and will comply with all of the standards in the Sections checked below.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Sec. (2) Act. Adj. to Prot. Natural Res.      | <input type="checkbox"/> Sec. (9) Utility Crossing                 | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects       |
| <input type="checkbox"/> Sec. (3) Intake Pipes                         | <input type="checkbox"/> Sec. (10) Stream Crossing                 | <input type="checkbox"/> Sec. (17) Transfer/Permit Extension        |
| <input checked="" type="checkbox"/> Sec. (4) Replacement of Structures | <input type="checkbox"/> Sec. (11) State Transportation Facilities | <input type="checkbox"/> Sec. (18) Maintenance Dredging             |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Veg.            | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas    | <input type="checkbox"/> Sec. (19) Act. Near SVP Habitat            |
| <input type="checkbox"/> Sec. (7) Outfall Pipes                        | <input type="checkbox"/> Sec. (13) F&W Creat./Water Qual. Improv.  | <input type="checkbox"/> Sec. (20) Act. Near Waterfowl/Bird Habitat |
| <input checked="" type="checkbox"/> Sec. (8) Shoreline Stabilization   | <input type="checkbox"/> Sec. (15) Public Boat Ramps               |   |

NOTE: Municipal permits also *may* be required. Contact your local code enforcement office for information. Federal permits may be required for stream crossings and for projects involving wetland fill. Contact the Army Corps of Engineers at the Maine Project Office for information.

**NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS AND FEE**

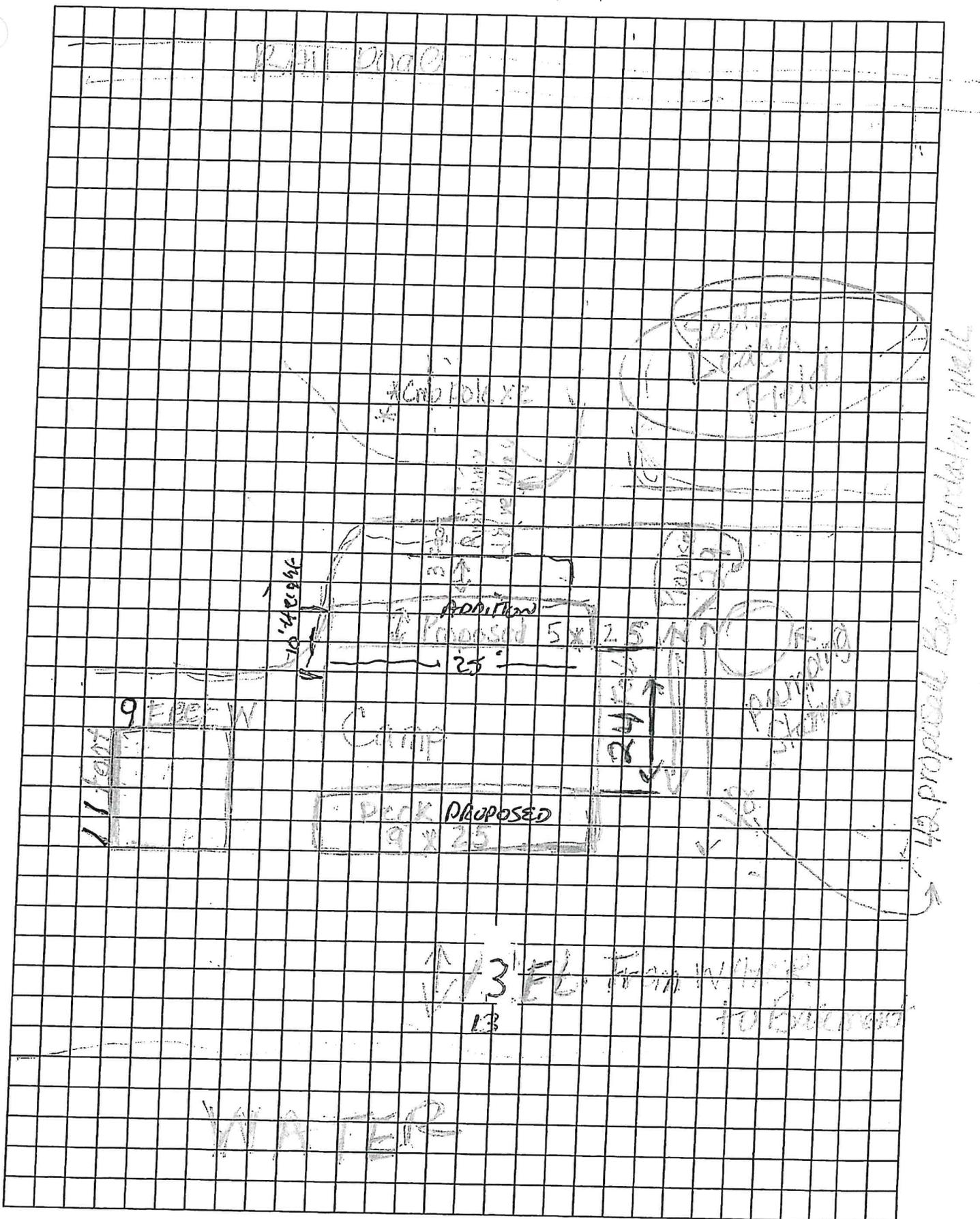
- Attach** all required submissions for the PBR Section(s) checked above. The required submissions for each PBR Section are outlined in Chapter 305 and may differ depending on the Section you are submitting under.
- Attach** a location map that clearly identifies the site (U.S.G.S. topo map, Maine Atlas & Gazetteer, or similar).
- Attach** Proof of Legal Name if applicant is a corporation, LLC, or other legal entity. Provide a copy of Secretary of State's registration information (available at <http://icrs.informe.org/nei-sos-icrs/ICRS?MainPage=x>). Individuals and municipalities are not required to provide any proof of identity.

FEE: Pay by credit card at the [Payment Portal](#). The Permit-by-Rule fee may be found here <https://www.maine.gov/dep/feeschedule.pdf> and is currently \$266.

- Attach** payment confirmation from the Payment Portal when filing this notification form.

<b>Signature &amp; Certification:</b>	
<ul style="list-style-type: none"> <li>• I authorize staff of the Departments of Environmental Protection, Inland Fisheries &amp; Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules.</li> <li>• I understand that this PBR becomes effective 14 calendar days after receipt by the Department of this completed form, the required submissions, and fee, <i>unless the Department approves or denies the PBR prior to that date.</i></li> </ul>	
By signing this Notification Form, I represent that the project meets all applicability requirements and standards in Chapter 305 rule and that the applicant has sufficient title, right, or interest in the property where the activity takes place.	
Signature of Agent or Applicant (may be typed):	James G Smith
Date:	08/03/2022

**Keep a copy as a record of permit.** Email this completed form with attachments to DEP at: [DEP.PBRNotification@maine.gov](mailto:DEP.PBRNotification@maine.gov). DEP will send a copy to the Town Office as evidence of DEP's receipt of notification. No further authorization will be issued by DEP after receipt of notice. A PBR is valid for two years, except Section 4, "Replacement of Structures," are valid for three years. Work carried out in violation of the Natural Resources Protection Act or any provision in Chapter 305 is subject to enforcement.





**STATE OF MAINE**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**Permit-by-Rule & Notice of Intent Review Form**

**Natural Resources Protection Act**  
**Stormwater Management Law**  
**Maine Construction General Permit**

PBR # 75410  
PBR #  
NOI #

**Applicant:** James Smith  
**Project Address:** 8 Chesnut Drive

**Town:** Belgrade  
**Tax Map/Lot #:** 50 23-2

**NRPA PBR Sections – Ch. 305**

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Sec. 2 Act. Adj. to Prot. Natural Res. | <input type="checkbox"/> Sec. 9 Utility Crossing             | <input type="checkbox"/> Sec. 16 Coastal Sand Dune Project        |
| <input type="checkbox"/> Sec. 3 Intake Pipes                               | <input type="checkbox"/> Sec. 10 Stream Crossing             | <input type="checkbox"/> Sec. 17 Transfer/Permit Extension        |
| <input type="checkbox"/> Sec. 4 Replacement of Structures                  | <input type="checkbox"/> Sec. 11 State Transport. Facilities | <input type="checkbox"/> Sec. 18 Maintenance Dredging             |
| <input type="checkbox"/> Sec. 6 Movement of Rocks or Veg.                  | <input type="checkbox"/> Sec. 12 Restoration Natural Areas   | <input type="checkbox"/> Sec. 19 Act. Near SVP Habitat            |
| <input type="checkbox"/> Sec. 7 Outfall Pipes                              | <input type="checkbox"/> Sec. 13 F&W Creat./Water Quality    | <input type="checkbox"/> Sec. 20 Act. Near Waterfowl/Bird Habitat |
| <input checked="" type="checkbox"/> Sec. 8 Shoreline Stabilization         | <input type="checkbox"/> Sec. 15 Public Boat Ramps           |   |

**Notes:**

Permit has been accepted as presented  
Department staff may inspect the project once complete

**Reviewer:**  
**Reviewer:** Cameron Dufour

**Deficient Date:**  
**Accepted Date:** 8/24/2022

- NRPA    SW    NOI  
 NRPA    SW    NOI