



# Administrative Authorization Application

## Portland, Maine

Planning and Urban Development Department, Planning Division

**PROJECT NAME:** Prolerized New England Company LLC/ Schnitzer Northeast

**PROJECT ADDRESS:** 568 Riverside Street

**CHART/BLOCK/LOT:** 321-A-001

**APPLICATION FEE:** \_\_\_\_\_ (\$50.00)

**PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)**

Replace sand filter with stone filter and add orifice to outlet pipe in storm water retention pond as approved by MEDEP on 8/31/2011. Engineering calculations provided to Rick Knowland on October 13, 2011.

**CONTACT INFORMATION:**

**OWNER/APPLICANT**

**Name:** Richard Carmosino

**Address:** Schnitzer Northeast  
69 Rover Street  
Everett, MA 02149

**Work #:** 617-593-0149

**Cell #:** 617-593-0149

**Fax #:** 503-471-4518

**Home #:**

**E-mail:** rcarmosino@schn.com

**CONSULTANT/AGENT**

**Name:** Civil Consultants

**Address:** 293 Main Street  
South Berwick, ME 03908

**Work #:** 207-384-2550

**Cell #:**

**Fax #:** 207.384.2112

**Home #:**

**E-mail:** neil@civcon.com

**Criteria for an Administrative Authorizations:**

(see section 14-523(4) on pg .2 of this appl.)

**Applicant's Assessment Planning Division**

Y(yes), N(no), N/A

Y(yes), N(no), N/A

a) Is the proposal within existing structures?	_____ Y _____	_____ Y _____
b) Are there any new buildings, additions, or demolitions?	_____ N _____	_____ N _____
c) Is the footprint increase less than 500 sq. ft.?	_____ N/A _____	_____ N/A _____
d) Are there any new curb cuts, driveways or parking areas?	_____ N _____	_____ N _____
e) Are the curbs and sidewalks in sound condition?	_____ Y _____	_____ Y _____
f) Do the curbs and sidewalks comply with ADA?	_____ Y _____	_____ Y _____
g) Is there any additional parking?	_____ N _____	_____ N _____
h) Is there an increase in traffic?	_____ N _____	_____ N _____
i) Are there any known stormwater problems?	_____ N _____	_____ N _____
j) Does sufficient property screening exist?	_____ Y _____	_____ Y _____
k) Are there adequate utilities?	_____ Y _____	_____ Y _____
l) Are there any zoning violations?	_____ N _____	_____ N _____
m) Is an emergency generator located to minimize noise?	_____ N/A _____	_____ N/A _____
n) Are there any noise, vibration, glare, fumes or other impacts?	_____ N _____	_____ N _____



**Criteria for an Administrative Authorizations:**  
(See Section 14-523 (4) on page 2 of this application)

**Applicant's Assessment**  
Y(yes), N(no), N/A

**Planning Division**  
Use Only

a) Is the proposal within existing structures?	Yes	Yes
b) Are there any new buildings, additions, or demolitions?	No	No
c) Is the footprint increase less than 500 sq. ft.?	n/a	n/a
d) Are there any new curb cuts, driveways or parking areas?	No	No
e) Are the curbs and sidewalks in sound condition?	Yes	Yes
f) Do the curbs and sidewalks comply with ADA?	Yes	Yes
g) Is there any additional parking?	No	No
h) Is there an increase in traffic?	No	No
i) Are there any known stormwater problems?	No	No
j) Does sufficient property screening exist?	Yes	Yes
k) Are there adequate utilities?	Yes	Yes
l) Are there any zoning violations?	No	No
m) Is an emergency generator located to minimize noise?	n/a	n/a
n) Are there any noise, vibration, glare, fumes or other impacts?	No	No

The Administrative Authorization for 568 Riverside Street was approved by Rick Knowland, Senior Planner on 11-16-11 with the following condition in addition to the required Standard Condition of Approval listed below:

1. **Standard Condition of Approval:** The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.
2. Updated operations manual reflecting the proposed drainage material change and an as-built drawing of the physical change to the wet pond shall be submitted to the Planning Division.

**Mark Arienti**

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**From:** McMullin, Randy L [Randy.L.McMullin@Maine.gov]  
**Sent:** Wednesday, August 31, 2011 9:38 AM  
**To:** Eleftheriou, Victoria H; Mark Arienti  
**Cc:** Moody, Alison R  
**Subject:** RE: Schnitzer Northeast, Riverside St. Portland, ME

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Very good. Thank you.

I am relaying that to them as I type....

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Randy McMullin  
Environmental Specialist  
Bureau of Remediation and Waste Management  
Maine Department of Environmental Protection  
312 Canco Road  
Portland, Maine 04103

(207) 822-6343  
(207) 822-6303 Fax

Randy.L.McMullin@maine.gov

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**From:** Eleftheriou, Victoria H  
**Sent:** Wednesday, August 31, 2011 9:35 AM  
**To:** McMullin, Randy L  
**Cc:** Moody, Alison R  
**Subject:** RE: Schnitzer Northeast, Riverside St. Portland, ME

Randy,

Schnitzer's request to modify the underdrain pipe with an orifice plate with two 1-inch holes is reasonable and consistent with Maine's Stormwater BMPs Technical Design Manual. The facility should continue to inspect the outlet control structure and maintain as necessary. In addition, the underdrain outlet and orifice plate should be monitored for potential clogging on a periodic basis. Please let me know if you have any additional comments. Thanks.

*Victoria Eleftheriou P.E., Senior Environmental Engineer  
Division of Technical Services  
Bureau of Remediation and Waste Management  
Maine Department of Environmental Protection  
(207) 287-6175 (desk)  
[victoria.h.eleftheriou@maine.gov](mailto:victoria.h.eleftheriou@maine.gov)*

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**From:** McMullin, Randy L  
**Sent:** Tuesday, August 30, 2011 1:47 PM  
**To:** Eleftheriou, Victoria H; Moody, Alison R  
**Subject:** FW: Schnitzer Northeast, Riverside St. Portland, ME

I think we are still good here, but I will defer to both of you.

10/11/2011

Thoughts please.

Randy McMullin  
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Maine Department of Environmental Protection  
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Randy.L.McMullin@maine.gov

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**From:** Mark Arienti [mailto:marienti@acadiaenvironmental.com]  
**Sent:** Tuesday, August 30, 2011 12:51 PM  
**To:** McMullin, Randy L  
**Cc:** 'Rich Carmosino'  
**Subject:** Schnitzer Northeast, Riverside St. Portland, ME

Randy,

Schnitzer appreciates your responsiveness to their request to make the improvements to the wet pond at this facility. They will update the Operations Manual as you requested and prepare an as-built drawing, which will be submitted to you when the project is complete. The project is planned to take place in the next couple weeks.

In order to install the coarser underdrain material in the wet pond in accordance with the Department's Stormwater Technical Design Manual, it is necessary to install orifice plates on the underdrain pipe as it enters the outlet structure. The installation of these orifice plates could impact the levels in the pond during storm events. In order to check this, the stormwater flow model was adjusted and rerun with an orifice plate and coarser underdrain material. The orifice plate attached to the underdrain pipe will have two 1-inch holes. The modeling results, which are an attachment to this e-mail, indicate that there should be no significant impact on the expected flows and pond elevations caused by the installing the coarser underdrain material and installing the orifice plate on the outlet pipe.

If possible, please confirm that there is no additional written approval required by the Department in advance of making these improvements to the wet pond,

Mark

Mark T. Arienti, P.E.  
Senior Environmental Engineer  
Acadia Environmental Technology  
48 Free Street  
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[marienti@acadiaenvironmental.com](mailto:marienti@acadiaenvironmental.com)

10/11/2011

Mark,

Go ahead and make the changes. No minor revision is required, but we would like to see the Operations Manual for the facility updated with the proposed drainage material changes made and an as-built drawing submitted to the Department to document the changes.

Not a big deal.

Randy McMullin  
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Randy.L.McMullin@maine.gov

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**From:** Wade, Amanda  
**Sent:** Friday, August 19, 2011 7:45 AM  
**To:** McMullin, Randy L; Moody, Alison R; Eleftheriou, Victoria H  
**Subject:** RE: Schnitzer Riverside Street, Portland, ME Wet Pond

As Mark stated in his e-mail we were approached during the construction in Auburn and asked if it was possible for them to change the material spec due to the issues they were seeing in Portland. I suggested they speak with one of the stormwater engineers and after speaking with Art Mcglauffin they came back with the change they described below and we approved it. If you need any more info let me know. Victoria will be back on Monday if you would like her input on this.

*Amanda S Wade, P.E.*

Environmental Engineer/ Solid Waste Engineering Unit/ Technical Services

Department of Environmental Protection  
17 State House Station  
Augusta, ME 04333-0017

Tel. (207) 287-2133/ Fax (207) 287-7826  
[amanda.wade@maine.gov](mailto:amanda.wade@maine.gov)

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**From:** McMullin, Randy L  
**Sent:** Wednesday, August 17, 2011 4:29 PM  
**To:** Moody, Alison R; Eleftheriou, Victoria H; Wade, Amanda  
**Subject:** FW: Schnitzer Riverside Street, Portland, ME Wet Pond

Your thoughts please....

Randy McMullin  
Environmental Specialist

10/11/2011

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**From:** Mark Arienti [mailto:marienti@acadiaenvironmental.com]  
**Sent:** Wednesday, August 17, 2011 3:06 PM  
**To:** McMullin, Randy L  
**Cc:** 'Rich Carmosino'  
**Subject:** Schnitzer Riverside Street, Portland, ME Wet Pond

Randy,

As we discussed on the phone yesterday, Schnitzer became concerned with the wet pond at their new scrap metal recycling facility in Portland because it did not seem to be draining back down to the level of the pond bench within 72 hours after a significant rainstorm as should occur when operating as designed. The reason this was a concern was that the facility just began operation in September 2010 and it was expected that the wet pond would operate as designed for a longer period. In addition, if the underdrain is plugged, the water will more frequently discharge from the pond via the overflow structure and not receive the intended treatment. The likely reason for the slow draining was that the underdrain trench located in the wet pond bench was plugged. The facility operating manual indicates that the underdrain trench should be inspected at least once every 6 months (more frequently in the beginning), and the top several inches of the material should be replaced with fresh material when water ponds above the permanent pool for more than 72 hours.

Based on the slow draining observed, Schnitzer was planning to replace the top several inches of material in the trench with new material identical to what is there. However, inspection of the underdrain material being installed in the new wet ponds at their Auburn, Maine facility revealed that this material, which meets the MDOT 703.22 specification, tended more to sand- than gravel-size particles. The large fraction of sandy material in it was likely the reason the underdrain in Portland was plugging so rapidly. Acadia and ESS Group engineers worked with Amanda Wade and Linda Butler to get an alternate underdrain material approved using the procedure outlined in Maine DEP's BMP Technical Design Manual Volume III, CH. IV. This procedure allows the use of the coarser MDOT 703.22 Underdrain Type C material rather than the Type B as long as an orifice is provided at the underdrain outlet to control the release of flows. A coarser underdrain material has subsequently been installed in Auburn. It is anticipated that the coarser material in combination with the orifice plate will provide for the required pond detention and treatment without excessively frequent underdrain material replacement.

Schnitzer would like to be able to replace the underdrain material with the MDOT type C material at its Portland facility as was done at Auburn and thereby correct the apparent plugging of the drain and provide for a longer lasting material. Please let us know the process by which this substitution of materials in the wet pond can be implemented. Schnitzer would like to implement this as soon as possible once approved.

Mark

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10/11/2011

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