

2001-0054

# City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 01-0977	Issue Date: <b>PERMIT ISSUED</b>	CBL: 006 B005001
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Location of Construction: 0 Eastern Promenade	Owner Name: Portland Water District	Owner Address: 225 Douglass St	Phone:
Business Name: n/a	Contractor Name: T Buck Construction	Contractor Address: 249 Merrow Road/Auburn	Phone: 2077836223
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Alterations - Commercial	Zone: R5

Past Use: Waste Water Treatment Plant	Proposed Use: Waste Water Treatment Plant with less smell. Bulk of the work, is new order control equipment and removable covers. There are two scum basins to be constructed.	Permit Fee:	Cost of Work: \$1,179,890.00	CEO District: 1
Proposed Project Description: New control equipment and removable covers.		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>O/H4</b> Type: <b>10</b> <b>BOCA/9c/1999</b>	

Signature: <i>MHT</i>		Signature: <i>[Signature]</i>	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
Signature:		Date:	

Permit Taken By: gg	Date Applied For: 08/08/2001	<b>Zoning Approval</b>	
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<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>8/17</i>	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:
	<i>See original permit for conditions height ok per sec. 14-130</i> <i>OK with conditions</i>		

*Dans are on top of file cabinet*

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

# All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: PORTLAND WASTE WATER TREATMENT PLANT, MARGINAL WAY <sup>300</sup> <sup>Eastern</sup> <sup>Planned</sup>

Total Square Footage of Proposed Structure \_\_\_\_\_ Square Footage of Lot \_\_\_\_\_

Tax Assessor's Chart, Block & Lot  
Chart# 006 Block# 3 Lot# 005 Owner: PORTLAND WATER DISTRICT Telephone: \_\_\_\_\_

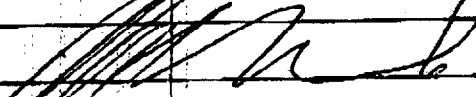
Lessee/Buyer's Name (If Applicable) \_\_\_\_\_ Applicant name, address & telephone: T. BUCK CONSTRUCTION  
249 MERROW RD  
AUBURN, ME 04210 Cost Of Work: \$ SEE ATTACHED  
Fee: \$ 7,103.00

Current use: WASTE WATER TREATMENT PLANT  
If the location is currently vacant, what was prior use: \_\_\_\_\_  
Approximately how long has it been vacant: \_\_\_\_\_  
Proposed use: WASTE WATER TREATMENT PLANT W/ LESS SMELL  
Project description: BULK OF THE WORK IS NEW ODOR CONTROL EQUIPMENT AND REMOVABLE COVERS. THERE ARE TWO SCUM BASINS TO BE CONSTRUCTED.

Contractor's name, address & telephone: T. BUCK CONSTRUCTION  
249 MERROW RD.  
AUBURN, ME. MARK McRIETERS  
Who should we contact when the permit is ready: \_\_\_\_\_  
Mailing address: 249 MERROW RD  
AUBURN, ME 04210 257-783-6223 EXT. 203  
Phone: \_\_\_\_\_

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant:  Date: 7-17-01

This is not a permit, you may not commence ANY work until the permit is issued

**BUILDING PERMIT REPORT**

DATE: 15 August 2001 ADDRESS: 500 Marginal Way CBL: 006-B-005  
 REASON FOR PERMIT: Waste Water Treatment Plant (Corder Control Equipment)  
 BUILDING OWNER: Portland Water District

PERMIT APPLICANT: \_\_\_\_\_ / CONTRACTOR T Buck Co. Inc.

USE GROUP: B/H-4 CONSTRUCTION TYPE: 10 CONSTRUCTION COST: 1,179,890. PERMIT FEES: 7,130.

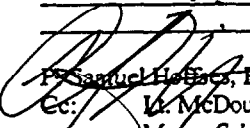
The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)  
 The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

**CONDITION(S) OF APPROVAL**

This permit is being issued with the understanding that the following conditions shall be met: \*1, \*11, \*13, \*24, \*28, \*38

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
- \* 11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B, H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7) **ONE & TWO FAMILY DWELLINGS) GUARD HEIGHT IS 36" MINIMUM.**
- \* 12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
- \* 13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
16. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
17. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
19. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

20. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
  - In the immediate vicinity of bedrooms
  - In all bedrooms
  - In each story within a dwelling unit, including basements
21. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
- \*24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
25. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
26. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
- \*28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
29. All requirements must be met before a final Certificate of Occupancy is issued.
30. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
31. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
32. Please read and implement the attached Land Use Zoning report requirements. *All conditions on the previous permit are still in force*
33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
34. Bridging shall comply with Section 2305.16.
35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
36. All flashing shall comply with Section 1406.3.10.
37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- \*38. Special Inspection shall be done as per section 1705.0 of the Bldg. Code - Copies of all reports shall be sent to the Insp. Div.

  
 P Samuel Hobbes, Building Inspector  
 Cc: L. McDougall, PFD  
 Marge Schmuckal, Zoning Administrator  
 Michael Nugent, Inspection Service Manager

PSH 10/00

**\*\*This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

**...THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. ( You Shall Call for Inspections )**

**\*\*\*\*ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

**\*\*\*\*\*CERTIFICATE OF OCCUPANCY FEE \$50.00**



**Wright-Pierce**  
99 Main Street, Topsham, Maine USA 04086  
Tel: 207-725-8721 Fax: 207-729-8414

**FAX COVER SHEET**

DATE: 31-Jul-01 7:37 AM NUMBER OF PAGES: 2  
(including cover sheet)

TO:	Mike Nugent, Inspection Services Manager
FAX NUMBER:	874-8716
PROJECT NAME:	Primary Sedimentation Basin Upgrade with Odor Control Facilities
SUBJECT:	Data Access / Use Request
FROM:	Christopher A. Dwinal, P.E.
PROJECT No.:	7063D

IF MATERIAL RECEIVED IS NOT LEGIBLE, PLEASE CONTACT US ASAP, THANK YOU.

- TELE: (207) 725-8721 FAX: (207) 729-8414 E-MAIL: cad@wright-pierce.com -

COMMENTS:

Mike-

Attached is a release form that allows us to transmit project data to clients. Our IT Group requires that this form be completed by all data recipients. Please fill it out and fax it back to my attention. The CD is ready and I will mail it to you once we receive the completed form.

Thanks, Chris

*Faxed  
8/7/01  
1:24 pm*



**Wright-Pierce**  
89 Main Street, Topsham, Maine USA 04086  
Tel: 207-725-8721 Fax: 207-729-8414

Project Mgr/Engr: \_\_\_\_\_  
WP Archive Project # \_\_\_\_\_

### Access Request for W-P Project Web Sites

The purpose of this application form is to collect the necessary information from firms and individuals with whom we collaborate or do business, so that we can transmit project data to them, and/or give access to our Project Web Site Area.

A second purpose is to protect other various parties and ourselves who upload project data to these web sites by establishing an understanding with recipients about the limitations of electronic data, and to insure such data is not misused, or utilized in ways other than how the originators intend.

Directions: Complete this information, including an authorized signature below, and fax back to Information Services at Wright-Pierce (207-729-8414). Access will then be granted, consisting of a confidential username, and password, and web address. Your access information will emailed to you (or faxed if necessary). At times, CD-ROM may be the preferred method of transmittal.

Company Name ("We" in the agreement below)	CITY OF PORTLAND		
Mailing Address	389 CONGRESS ST.		
City, ST, Zip	PORTLAND, ME. 04101		
Telephone:	874 8700	Fax:	874 8716
Primary Contact:	MIKE NUGENT	Email:	MJN@CI.portland.me.us
Project:	WASTE WATER TREATMENT		
Role in this project. Data will be used for what purpose?	CODE ENFORCEMENT PLEASE SEND THE IN A PDF FORMAT		

In consideration for receiving data for the Project named above, and any other projects in the future, We understand that this data is changeable data, made available for our convenience. We understand that we utilize the data at our own risk, and that only stamped plans, reviewed and signed by the engineer represent designs able to be referenced for construction purposes, and they serve as the control documents against which changeable CAD data should be periodically verified. In addition, we agree to take all preventative measures to insure that the data we receive, or any part thereof, does not become transmitted to other parties in any original or edited form, or used on other projects without prior written consent. We indemnify Wright-Pierce for our use of said data. We will protect our access password from any unauthorized use by other firms. We will change our password if it is ever believed to be compromised.

Agreed by: [Signature] Date: 8/7/01

Printed Name: MIKE NUGENT Title: MANAGER OF

INSPECTION SERVICES

CBL \_\_\_\_\_ STREET ADDRESS Marginal Way

DATE	TIME	CONTACT	NARRATIVE	INITIALS
7/27	11:50		called - left message about soft and possible site plan review - advised him to call me back to go over application.	CH
			- Site Plan -	
	12:05		called back - he states he has been working w/ M. Nugent. has dealt with planning on an exemption. I will be calling him back w/ structure fee and he said he will bring in check and atleast 1 full set of plans.	CH
			Mike N spoke w/ M. McPheters. He will bring in plans and check.	

# **T. Buck Construction, Inc.**

**249 Merrow Road, Auburn, Maine 04210**  
**(207) 783-6223 \* (FAX) 783-3970**

City of Portland  
Michael J. Nugent  
Inspection Services Manager  
City Hall Rm. 315  
389 Congress Street  
Portland, Maine 04101  
Phone 874-8703  
Fax 874-8716

Reference: Portland Wastewater Treatment Plant  
Building permit application

Dear Mr. Nugent:

Listed below is a cost breakdown for structure additions and modifications. The remaining portion of the project is equipment installation and modifications.

Wright Pierce (Project Engineers) will be emailing the construction plans to you. Please advise on a cost of the permit and when we could pick up the permit. Based on your fee structure of \$30.00 for the first \$1,000.00 and \$6/1000 there after, the permit cost should be approximately \$7,103.00. We are starting demolition next week.

Please call with any questions, 783-6223 ext 203

<b>Description</b>	<b>Value</b>
New scum basins	\$ 73,600.00
Concrete modifications within existing sedimentation basins	\$ 396,750.00
Removable cover system	\$ 622,600.00
Removal and reinstallation of existing roof system	\$ 29,190.00
New masonry walls and modifications within existing control building	<u>\$ 57,750.00</u>
	<b>\$1,179,890.00</b>

Sincerely,



Mark E. McPheters  
Vice-president  
T. Buck Construction Inc.



DUPLICATE

GENERAL RECEIPT

# CITY OF PORTLAND, MAINE

DEPARTMENT Inspections DATE 8/8/01  
 RECEIVED FROM Truck Construction  
 ADDRESS 500 Marginal Way

UNIT	ITEM	REVENUE CODE	DOLLAR AMOUNT
	Building		7,103.00
	check # 1006860		
	CD: 006 B 003		
<input type="checkbox"/> CASH <input checked="" type="checkbox"/> CHECK <input type="checkbox"/> OTHER    TOTAL			7,103.00

RECEIVED BY

*[Signature]*

*Make in photos  
 Call 783 6223  
 x 203*

*Mike  
 Request  
 CD  
 from  
 Architect*