



# Maryland

Department of  
the Environment

Larry Hogan  
Governor

Boyd Rutherford  
Lieutenant Governor

Ben Crumbles  
Secretary

December 5, 2016

Jennifer Innerebner  
Indigo Water Group  
626 W. Davies Way  
Littleton, CO 80120

Dear Ms. Innerebner:

On September 15, 2016, the Board of Waterworks and Waste Systems Operators reviewed the training you submitted.

Course Name:                   Hydraulics Basics  
Credit Hours Assigned:    1.00  
Approved For:                Operators: All  
Course Code:                 5961-16-07 NP

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Course Name:                   Activated Sludge Basics  
Credit Hours Assigned:    2.00  
Approved For:                Operators: WW; 3, 5 All IWW; 5  
Course Code:                 5962-16-07 NP

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As an approved training sponsor you can help certificate holders fulfill their training requirements by providing acceptable proof of training completion, such as a certificate of completion, or a training card that has been signed by the instructor or training sponsor to those who complete the training. Please note that each certificate holder is responsible for maintaining records of completed training and submitting this information to the Board as part of his/her application for renewal. Please contact Gregory Wilkinson at (410) 537-3898 or [Gregory.Wilkinson@Maryland.gov](mailto:Gregory.Wilkinson@Maryland.gov) if you have any questions.

Sincerely,

  
Christine Nagle  
Board Secretary

CN/gw



# Maryland

Department of  
the Environment

Larry Hogan  
Governor

Boyd Rutherford  
Lieutenant Governor

Ben Grumbles  
Secretary

January 26, 2017

Jennifer Innerebner  
626 W. Davies Way  
Littleton, CO 80120

Dear Ms. Innerebner:

On January 19, 2017, the Board of Waterworks and Waste Systems Operators reviewed & approved the training you submitted.

Course Name: MATH MODULE – UNIT CONVERSTION (MATH-001)  
Credit Hours Assigned: 0.5  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5976-16-11

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Course Name: MATH MODULE – GEOMETRY (MATH-002)  
Credit Hours Assigned: 0.5  
Approved For: ALL OPERATORS & ALL SUPERINTENDENTS – Non-Process  
Course Code: 5977-16-11

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Course Name: ALL-001 PUMPS FOR WASTEWATER  
Credit Hours Assigned: 1.5  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5979-16-11

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Course Name: ALL-003 HYDRAULICS OF PUMPED SYSTEMS  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5980-16-11

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Course Name: ALL-004 CORROSION CONTROL  
Credit Hours Assigned: 1.5  
Approved For: ALL OPERATORS – Process  
Course Code: 5981-16-11

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Course Name: ALL-005 MAINTENANCE  
Credit Hours Assigned: 1.5  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5982-16-11

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Course Name: ALL-007 REPRESENTATIVE SAMPLING  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5983-16-11

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Course Name: ALL-008 DISINFECTION BYPRODUCTS  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS – Process  
Course Code: 5984-16-11

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Course Name: SAF-001 TRENCHING AND SHORING  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS & ALL SUPERINTENDENTS – Non-Process  
Course Code: 5985-16-11

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Course Name: SAF-002 CONFINED SPACE ENTRY  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS & ALL SUPERINTENDENTS – Non-Process  
Course Code: 5986-16-11

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Course Name: COL-001 INTRODUCTION TO COLLECTION SYSTEMS  
Credit Hours Assigned: 1.0  
Approved For: ALL WW, ALL IWW, ALL WWC OPERATORS – Non Process  
Course Code: 5987-16-11

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Course Name: COL-002 COLLECTION SYSTEM INSPECTION, TESTING  
AND CLEANING PART 1  
Credit Hours Assigned: 1.5  
Approved For: ALL WW, ALL IWW, ALL WWC OPERATORS – Non-Process  
Course Code: 5988-16-11

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Course Name: COL-003 COLLECTION SYSTEM INSPECTION, TESTING  
AND CLEANING PART 2  
Credit Hours Assigned: 1.5  
Approved For: ALL WW, ALL IWW, ALL WWC – Non-Process  
Course Code: 5989-16-11

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Course Name: COL-004 LIFT STATIONS  
Credit Hours Assigned: 1.0  
Approved For: ALL WW, ALL IWW, ALL WWC OPERATORS – Non-Process  
Course Code: 5990-16-11

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Course Name: COL-005 PRETREATMENT AND POLLUTION PREVENTION  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS & ALL SUPERINTENDENTS – Non-Process  
Course Code: 5991-16-11

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Course Name: COL-006 MANHOLES  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 5992-16-11

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Course Name: WWT-001 INTRODUCTION TO WASTEWATER: A PLANT OVERVIEW  
Credit Hours Assigned: 1.5  
Approved For: ALL WW, ALL IWW OPERATORS – Non-Process  
Course Code: 5993-16-11

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Course Name: WWT-002 WHAT'S IN MY WASTEWATER: DEFINITIONS AND TYPICAL RATIOS  
Credit Hours Assigned: 1.0  
Approved For: ALL WW, ALL IWW, ALL WWC OPERATORS – Non-Process  
Course Code: 5994-16-11

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Course Name: WWT-003 FIXED FILM TRICKLING FILTERS AND RBCs  
Credit Hours Assigned: 1.0  
Approved For: ALL WW OPERATORS - Process  
Course Code: 5995-16-11

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Course Name: WWT-004 LAGOONS AND WETLANDS  
Credit Hours Assigned: 2.0  
Approved For: WW 3, 4, A; IWW 4 OPERATORS - Process  
Course Code: 5996-16-11

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Course Name: WWT-005 LAGOONS AND FIXED FILM  
Credit Hours Assigned: 1.0  
Approved For: WW 3, 4, A; IWW 4 OPERATORS - Process  
Course Code: 5997-16-11

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Course Name: WWT-006 ACTIVATED SLUDGE BASICS  
Credit Hours Assigned: 2.0  
Approved For: WW 3, 5, A; IWW 5 OPERATORS - Process  
Course Code: 5998-16-11

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Course Name: WWT-008 ACTIVATED SLUDGE MICROBIOLOGY &  
MICROSCOPE TECHNIQUES PT. 1  
Credit Hours Assigned: 0.5  
Approved For: WW 3, 5, A; IWW 5 OPERATORS - Process  
Course Code: 5999-16-11

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Course Name: WWT-009 ACTIVATED SLUDE MICROBIOLOGY AND  
MICROSCOPE TECHNIQUES PT. 2  
Credit Hours Assigned: 0.5  
Approved For: WW 3, 5, A; IWW 5 OPERATORS - Process  
Course Code: 6000-16-11

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Course Name: WWT-010 TYPES OF ACTIVATED SLUDGE SYSTEMS  
Credit Hours Assigned: 1.0  
Approved For: WW 3, 5, A OPERATORS - Process  
Course Code: 6001-16-11

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Course Name: WWT-011 NITRIFICATION AND DENITRIFICATION  
Credit Hours Assigned: 1.5  
Approved For: WW 3, 4, 5, A; IWW 5 OPERATORS - Process  
Course Code: 6002-16-11

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Course Name: WWT-012 BIOLOGICAL AND CHEMICAL PHOSPHORUS  
REMOVAL  
Credit Hours Assigned: 1.5  
Approved For: WW 3, 4, 5, A; IWW 5 OPERATORS - Process  
Course Code: 6003-16-11

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Course Name: WWT-013 STATE POINT ANALYSIS FOR SECONDARY  
CLARIFIERS  
Credit Hours Assigned: 1.0  
Approved For: ALL WW, ALL IWW OPERATORS – Process  
Course Code: 6004-16-11

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Course Name: WWT-014 ACTIVATED SLUDGE PROCESS CONTROL  
TESTS AND TROUBLESHOOTING  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS - Process  
Course Code: 6005-16-11

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Course Name: WWT-016 CHLORINE DISINFECTION  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS - Process  
Course Code: 6006-16-11

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Course Name: WWT-018 AEROBIC AND ANAEROBIC DIGESTION  
Credit Hours Assigned: 2.0  
Approved For: ALL WW; ALL IWW OPERATORS - Process  
Course Code: 6007-16-11

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Course Name: WWT-019 BELT FILTER PRESSES  
Credit Hours Assigned: 1.0  
Approved For: ALL WW; ALL IWW; WT 3, 4 OPERATORS - Process  
Course Code: 6008-16-11

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Course Name: WWT-020 CENTRIFUGES  
Credit Hours Assigned: 1.5  
Approved For: ALL WW; ALL IWW; WT 3, 4 OPERATORS – Process  
Course Code: 6009-16-11

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Course Name: WWT-021 ODOR CONTROL  
Credit Hours Assigned: 1.5  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 6010-16-11

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Course Name: WWT-022 LABORATORY TESTING PART 1 (pH, ALKALINITY,  
BOD, & WINKLER)  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 6011-16-11

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Course Name: WWT-023 LABORATORY TESTING PART 2 (SUSPENDED  
SOLIDS)  
Credit Hours Assigned: 1.0  
Approved For: ALL WW; ALL IWW; ALL WT OPERATORS – Non-Process  
Course Code: 6012-16-11

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Course Name: WWT-024 LABORATORY TESTING PART 2 (FECAL  
COLIFORMS)  
Credit Hours Assigned: 1.0  
Approved For: ALL WW; ALL IWW; ALL WT OPERATORS – Non-Process  
Course Code: 6013-16-11

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Course Name: WWT-025 PROPER USE OF SPECTROPHOTOMETERS  
Credit Hours Assigned: 1.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 6014-16-11

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Course Name: WWT-026 BASIC CHEMISTRY  
Credit Hours Assigned: 2.0  
Approved For: ALL OPERATORS – Non-Process  
Course Code: 6015-16-11

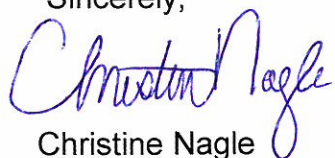
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Course Name: WWT-027 TREATMENT OF METAL WASTESTREAMS  
Credit Hours Assigned: 1.0  
Approved For: ALL IWW OPERATORS - Process  
Course Code: 6016-16-11

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Sincerely,



Christine Nagle  
Board Secretary

CN/sb