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APR 02 2019

DEPT OF LLR - OBS

April 1, 2019

MOLLY PRICE
SC OPERATOR CERTIFICATION

The following water/wastewater operator has applied to South Dakota to receive an Operator Certificate thru reciprocity. South Dakota will grant certificates by reciprocity to operators coming from states where their certification program is of a standard not lower than ours and will extend reciprocal privileges to our operators.

Please answer the following questions concerning your operator certification program so that the South Dakota Board of Operator Certification may make a decision at their next Board meeting (April 9, 2019) as to whether certification should be granted.

Name Michael R Giffen

Address 525 Lebanon, Monroe OH 45050

License Held SC Wastewater Treatment A7491

CLASS II WW

What is the education requirement (HS graduation, years of post-secondary, etc.) for this license(s)?

High School Completion or the equivalent GED.

What is the work experience requirement for this license(s)?

See Attached

Was a written exam taken to gain this license(s)? ~~No~~ Yes corrected via email

What type of questions is on the exam? The Board adopted the ABC new Standardized exam.

What is the minimum score to pass the exam? 70%

Is your certification program mandatory? yes

Is this license(s) valid at this time? yes

Will your program grant reciprocity to all South Dakota water and wastewater operators if minimum requirements are met? Note-South Dakota will grant reciprocity on a case-by-case basis. We compare the education/work experience requirements for your certificate with the requirements for our SD certificates. We do NOT review the education/experience of the operator himself. It is also required that your state will grant reciprocity to our operators coming to your state.

Yes, on a case-by-case basis

Comments Mr. Giffen was licensed in SC by reciprocity (Lendigna) and was offered for a "B", and then he took and passed the "A" Physical/Chemic exam.

Name and title of person completing this form-

Tiear Williams / Administrative Assistant

Please check which certificates your agency issues-

✓ Water Treatment ✓ Water Distribution

✓ Wastewater Treatment ___ Wastewater Collection

South Dakota's Operator Certification Law can be found at-
http://legis.sd.gov/statutes/DisplayStatute.aspx?Type=Statute&Statute=34A-3

Our regulations are contained within- http://legis.sd.gov/rules/DisplayRule.aspx?Rule=74:21:02

Feel free to write your answers on this sheet, and please include a copy of your regulations concerning Operator Certification. **Please email or fax your reply if possible.** If there are any questions on this matter, feel free to contact me in Pierre. Thank you for your help.

Sincerely,

Rob Kittay

Rob Kittay-Secretary
Board of Operator Certification
523 E Capitol
Pierre SD 57501
Phone: 605-773-4208
Fax: 605-773-5286
E-mail: rob.kittay@state.sd.us
Web Site: http://denr.sd.gov/des/dw/opcertqa.aspx

South Carolina
Department of Labor, Licensing and Regulation

Environmental Certification Board

Henry D. McMaster
Governor

Emily H. Farr
Director

110 Centerview Drive
Post Office Box 11409
Columbia, SC 29211-1409
Phone: (803) 896-4430
FAX: (803) 896-9651

Physical Chemical Wastewater Treatment Operator

A person employed as an operator of a public physical/chemical wastewater treatment plant must hold a physical/chemical wastewater treatment operator license issued by the Board. The certification class required for each physical/chemical wastewater group is as follows:

Trainee Submit an application on forms approved by the Board
Pay prescribed fees

Class 'D' Hold a valid Trainee operator certification
Pass an examination approved by the Board
Submit an Experience Verification Form documenting one (1) year of actual operating experience as an operator of a public physical/chemical wastewater system facility

Class 'C' Hold a valid Class 'D' operator certification
Pass an examination approved by the Board
Submit an Experience Verification Form documenting two (2) years of actual operating experience as an operator of a public physical/chemical wastewater system facility

Class 'B' Hold a valid Class 'C' operator certification
Pass an examination approved by the Board
Submit an Experience Verification Form documenting three (3) years of actual operating experience as an operator of a public physical/chemical wastewater system facility

Class 'A' Hold a valid Class 'B' operator certification
Pass an examination approved by the Board
Submit an Experience Verification Form documenting four (4) years of actual operating experience as an operator of a public physical/chemical wastewater system facility

South Carolina Department of Labor, Licensing and Regulation
South Carolina Environmental Certification Board
110 Centerview Dr. • Columbia • SC • 29210
P.O. Box 11409 • Columbia • SC 29211-1409
Phone: 803-896-4430 • Contact.Environmental@llr.sc.gov • Fax: 803-896-9651
www.llr.sc.gov/POL/Environmental/

EXPERIENCE VERIFICATION INSTRUCTIONS

Procedure for Verification of Actual Operating Experience

Form Instructions

1. In order to document the one (1) year of actual operating experience required for each level of promotion, the DHEC appointed Operator of Record for the referenced facility must complete, sign and submit this form to the Board. Operators are encouraged to submit the forms electronically to Johnnie.Rose@llr.sc.gov. Incomplete forms will be returned unprocessed.

2. The required experience verification form MUST contain the following information:

   A. Operator's Name
   B. License Area (Water Treatment, Biological or Physical/Chemical Wastewater, Water Distribution)
   C. Current License Number and Level
   D. Name and address of facility where operating experience was gained – include SC DHEC system or permit number associated with referenced facility
   E. Name and title of immediate supervisor of applicant
   F. Description of type of work performed at referenced facility
   G. Requested license level for referenced facility
   H. Average hours worked per week at referenced facility
   I. Total time worked at referenced facility – both full time and part time- to be considered for this level of certification
   J. Dates of employment at above-referenced facility that is to be considered for **the one year's experience** for the requested level of licensure.
   K. List the name and license number of the facility operator of record certifying that actual operating experience has been obtained. If you are the "Operator of Record" you will need to note this on the form and list the name of your supervisor.

Work Experience Calculation

1. Actual operating experience begins on the day the application is accepted by LLR. In instances where the applicant has been employed by the facility and has been working in the selected area of the permit sought, up to ninety (90) days of work experience credit may be applied.

2. *Work Experience Substitutions*: Both degree and non-degree related education credits may be considered by the Board towards the A, B, and C levels of licensure; once you have obtained your D level license. The Board will only consider credit for math and science courses. 30 hours of Board approved educational credits = one year of work experience. Military experience, Board approved Operator Certification programs, and Board approved Apprenticeship programs may also be considered towards work experience credit. Official transcripts and/or course completion documentation must be submitted to the Board for review. **All applicants must complete one year of actual operating experience and pass the appropriate examinations before educational experience will be considered.**

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

APPLICATION FOR OPERATOR CERTIFICATION THRU RECIPROCITY

INSTRUCTIONS TO APPLICANTS:

Application must be received by the Secretary at least FOUR WEEKS BEFORE THE NEXT MEETING OF THE BOARD OF OPERATOR CERTIFICATION. One certificate per application. Fax application to 605-773-5286 or mail application to:

Rob Kittay-Secretary
Board of Operator Certification
523 East Capitol-Foss Building
Pierre, SD 57501-3181

Applications for certification thru reciprocity are reviewed on a case-by-case basis by the Board of Operator Certification. Requirements for the certificate presently held in your state are compared to the requirements for the desired certificate in South Dakota. A copy of the certificate presently held should be included with the application. Each application must be accompanied by a check or money order for $10.00 made out to "DENR". If you fax application, please submit fee through the mail.

GENERAL INFORMATION (Print legibly and fill out completely):

1. Name Giffen, Michael R
   Last First Middle

2. Home Mailing Address 525 Lebanon St, Monroe, OH 45050

3. Phone 937-974-1631 Fax 937-890-9925

4. Email Address mike.giffen@veolia.com

South Dakota Certificate Desired
(Check only one)

- ☐ Water Treatment
- ☐ Water Distribution
- ☒ Wastewater Treatment
- ☐ Wastewater Collection
- ☐ Small Water Treatment
- ☐ Small WW System/ Stabilization Pond

Certificate Level
(Check only one)

- ☐ I
- ☐ II
- ☐ III
- ☒ IV

5. Certificate Now Held A7491 (highest level P/C) From Which State South Carolina

6. Was an exam passed to acquire this certificate? Check one. Yes ☒ No ☐

7. Is this certificate valid with all fees up-to-date? Check one. Yes ☒ No ☐

EDUCATION AND TRAINING

Are you a high school graduate? Check one. Yes☒ No☐ GED☐ If no, year completed _____

College/Vo-tech Name	Dates Attended	Major	Date Graduated
The Ohio State University	9/1990 - 6/1994	BS. Chemical Engineering	6/1994

List other educational courses completed such as correspondence school, operators' short courses, etc. Give date, name, and location of such courses.

Indiana Class B Wastewater Operator since 1995 (WW13191)
Indiana Class C Wastewater Operator since 2018 (WW020997)
Ohio Class 2 Wastewater Operator since 1996 (WW2-1011729-96)
Consistently, have to take CEUs to keep up licenses (at least 20 hrs/yr), which may include WW conferences, www.ceuplan.com, www.360Water.com

WATER/WASTEWATER OPERATION EXPERIENCE

Present Position Title Senior Account Manager Date Employed 6/1994 - Present

Supervisor Name and Title Scott Stedeford, National Sales Manager - AquaService

Describe in detail your daily duties as related to the exam for which you are applying (Be Specific!)

Veolia Water Tech provides env compliance and contract WW ops. In my various roles, I have operated plants that perform metals precip, hex chrome red, oil/water separation, DAFs, extended aeration, oxidation ditches, and SBRs in the food, automotive, plating, chem mfg, plastics, and aluminum industries. Daily activities include sample/analyze influent for pH, DO, metals, health of biomass, microscope, etc to determine treatment scheme (pH, chemistry) and condition of operations. Based on analyses, make adjustments to flow, chemistry, DO, RAS/WAS rates, etc. Analyze effluent to verify treatment is successful. Collect compliance samples based on permit requirements. In my current position, I also startup new accounts, SOPs, troubleshoot treatment problems, make equipment recommendations, etc

List other job experience which you feel will pertain to your certification qualifications.

Dates	Employer Name/Location	Specific Job Duties Related to Exam Applied For
1992-1994	Veolia / Dayton, OH	Part-time wastewater operation during college
1994-current	Veolia / Dayton, OH and other sites	Primary operator and backup operator
2003-current	Veolia / Dayton, OH and other sites	Manage operators, technical support, new plant startup

I hereby certify that this application contains no willful misrepresentations or falsifications and that the information given is true and complete.

Signature _____ Date 3/31/2019

Oper# 3673	
Cert Date	
Reciprocity Approved	Yes ☐ No ☐
Cash	Check
DENR Use Only	

Experience Verification / Summary of Responsibilities

The following information will provide greater detail as to my education and experience in wastewater as you consider my application for certification through reciprocity.

Educational Background

1. BS in Chemical Engineering from The Ohio State University, June 1994

Current Job-Related Activities

1. Landfill – Morrisville, PA
    a. Account manager, operator training, technical support
    b. Wastewater treatment plant for leachate from four landfills – 275,000 gpd
    c. Lamella clarifiers
    d. Sequencing batch reactors (SBRs)
    e. Dissolved air flotation (DAF)
    f. Multimedia filters (MMF)
    g. Reverse osmosis (RO - low pressure & high pressure)
    h. Centrifuge
    i. Plate & frame filter press
    j. Evaporators/concentrators
2. Rubber Manufacturer - Brookville, IN
    a. Package biological wastewater system – 10,000 gpd
    b. Operator of Record
    c. Operator training/technical support
    d. Complete monthly discharge monitoring reports to Indiana Dept of Env Mgmt (IDEM)
3. Compressed Cylinder Manufacturer, Huntsville, AL
    a. Physical/Chemical – 75,000 gpd
    b. Manager of Operations since 2007
    c. Coagulation/Flocculation/Metal Hydroxide Precipitation
    d. Acid waste neutralization
    e. Plate/Frame filter press for sludge dewatering
    f. Completes monthly discharge monitoring reports
    g. Technical support and back-up operator to cover personnel time off (PTO)
4. Medium Duty Truck Manufacturer – Springfield, OH
    a. Account startup and operation until full-time operators were hired
    b. Backup operator to cover PTO
    c. Physical/Chemical wastewater system – 75,000 gpd
    d. Coagulation/Flocculation/Metal Hydroxide Precipitation
    e. Plate & frame filter press for sludge dewatering
    f. Activated sludge – 135,000 gpd
    g. Sandfilter
    h. UV disinfection
    i. Process & compliance sampling and analysis of metals, COD, NH3, chlorine, e.coli
    j. Developed standard operating procedures for operations, lab analyses, and maintenance activities
5. Pet Food Manufacturer – Richmond, IN

a. Account manager, technical support, backup operator
b. Dissolved air flotation – 30,000 gpd

6. Chemical manufacturer – Kenton, OH
    a. Manager of operations, technical support, assisted with startup
    b. Activated sludge – 75,000 gpd
    c. Coagulation/flocculation for improved settling and clarity
    d. Sandfilter
    e. Activated carbon beds
    f. Plate & frame filter press

Historical Job-Related Activities

1. Pet food manufacturer – Lewisburg, OH (2005-2014)
    a. Solids, FOG, BOD/COD removal with Dissolved Air Flotation – 75,000 gpd
    b. Activated sludge system – 25,000 gpd
    c. Manager of operations, technical support, operator, and Operator of Responsible Charge
    d. Completed discharge monitoring reports
    e. Developed standard operating procedures for operations and in-house lab.
2. CHS – Mankato, MN (2011 – 2012)
    a. Sequential Batch Reactor – 200,000 gpd
    b. Manager of operations
    c. Technical support and backup operator
3. Administered the Industrial Pretreatment Program for a POTW in southwest Ohio.
    a. 1995 – 1998
    b. Approximately 14 MGD average flow.
    c. Facility inspections
    d. Scheduled sampling
    e. Reviewed and issued permits
    f. Issued notices of non-compliance
4. NPDES Permit Renewal Application submittals for:
    a. Rubber manufacturer – Brookville, IN
    b. Rubber manufacturer – Killbuck, OH
    c. Aviation parts manufacturer – Vandalia, OH
5. Indirect Discharge Permit Application submittals for:
    a. Aviation parts manufacturer – Beavercreek, OH
    b. Aluminum extruder – Indianapolis, IN

Registered Industrial Wastewater Professional (RIWP) (PhD level)
Indiana Industrial Operators Association – since 2017
One day course followed by a wastewater knowledge exam