

# Certification Happenings

Newsletter for Licensed Wastewater Operators in the State of Delaware

Volume I, Issue 4

December 2009

MARK YOUR  
CALENDAR!

NEXT TESTING  
SESSION IS...

**January 8, 2010**

For additional information  
see page #3

DNREC'S  
24-Hour  
Complaint Line

Report Spills &  
Violations

**(800) 662-8802**

## INSIDE THIS ISSUE...

3rd Quarter Certifications & Expired Licenses	2
Multi-Plant Operations	2
Jordanian Visit	3
Exam Registration	3
BOC Members	4
Kudos!!!	4
Renewal Process	5



State of Delaware  
DNREC  
Division of Water Resources  
Surface Water  
Discharges Section  
Board of Certification  
for Wastewater  
Operators

89 Kings Highway  
Dover, DE 19901

Tel: (302) 739-9946  
Fax: (302) 739-8369

## Compliance Sampling Inspections

By Chris Cleaver, DNREC, SWDS

Almost all NPDES facilities in the state will have a Compliance Sampling Inspection (CSI) conducted by the DNREC's Division of Water Resources (DWR) compliance staff annually or biennial. The following is a brief overview of what a NPDES facility should expect during a CSI inspection.

The facility will be contacted in advance by one of the DWR compliance staff to schedule a day or more, if needed, to conduct the CSI. If the facility normally has continuous discharge flow to their permitted outfall(s), a sampling day will also be scheduled in conjunction with the inspection. A composite sample taken by the facility may be split with a DWR staff member and those permit parameters with limits will be tested. Grab samples for permit parameters will also be tested.

If the NPDES facility has a classified wastewater treatment plant, the overall Direct Responsible in Charge (DRC) operator will need to be present for the CSI. If someone other than the DRC is the individual who fills out the monthly NPDES Discharge Monitoring Report (DMR) that person will also need to be present.

A walk through of the facility areas pertinent to the permit, most importantly the treatment plant, is conducted by the compliance staff. Keep in mind these inspections are scheduled *in advance*. Unfortunately there are times the com-

pliance staff have to comment to the facility representative(s) about poor housekeeping practices (trash on the ground, paper discarded, broken glass, debris, unmarked barrels or drums, etc.). This is *not* how you want your inspection to start. **A little pre-inspection trash detail can go a long way.**

A significant part of the CSI is record keeping. All records pertaining to the permit *must* be kept for a minimum of three years. It is *recommended* that three years be kept plus the current years records. Example: If it is June 2009, you should keep records for 2006, 2007, 2008, plus January through June 2009. One exception to this is sludge records and sludge inventory records, which is five years. Read your permit. Everything you are required to do is in your NPDES permit. You should also be familiar with your *Special Conditions* section. These conditions are specific to the

facilities individual NPDES permit.

A copy of the final CSI report will be given to the facility representative at a later date. A copy is also sent to the EPA for their records. Any deficiencies found will be described in a letter sent from the DNREC/DWR after all information is collected. The facility will be given 30 days after receiving the letter to formally respond to the deficiencies including corrective/preventative actions.

These inspections are viewed by the compliance staff as a positive part of the NPDES program and are conducted to maintain and improve, when needed, the overall surface water performance of the NPDES facilities in the State of Delaware. As always we encourage the facilities staff involved with their NPDES permit to call us when a question arises about a permit requirement, interpretation etc.

Submitted by Loran George  
South Coastal Regional Wastewater Facility

The preparation for the annual CSI is an on going day-to-day part of life here at the South Coastal Regional Wastewater Facility. There are checks and balances in the system, with several operators reviewing the data on a daily basis. Records and logs are double-checked for accuracy and thoroughness. As a result, we are ready for an inspection at all times.

On the day of the inspection, we meet with Glenn in the conference room to evaluate the logs, records and data. At the same time, another operator will walk through the facility with the inspector for the physical inspection.

If the inspector has suggestions or changes we should institute, we pride ourselves on a timely follow-up and quick resolution.

## Certifications & Expired Licenses ~ Third Quarter of 2009

### JULY

<u>CERTIFICATIONS</u>	<u>LEVEL</u>
Eckard, Kenneth	III
Green, Horace	I
Hart, Bryan	III
Kimball, James	I OIT
Kinnikin, Jr., James	III OIT
Morengo, Gary	II
Peters, Jeffrey	II
Price, Cynthia	I OIT
Richardson, Sr., Anthony	II OIT
Sattelberg, David	II OIT
Venable II, Harold	III
Walker, Dwayne	II
Whitney, David	II OIT
Wiggins, Guy	I

### EXPIRED LICENSES

**Great Job**  
**July '09 Licensees**  
**No Expired Licenses**



### AUGUST

<u>CERTIFICATIONS</u>	<u>LEVEL</u>
Blake, Bryan	II OIT
Bostic, Andrea	II OIT
Fisher, Kevin	I OIT
Herbert, Russell	II OIT
Lowery, John	II
Maichle, Larry	I OIT
Mannings, Jr., Robert	II OIT
Moore, Michael	II OIT
Walsh, Edward	II

### EXPIRED LICENSES

Blackwell, Milton  
Fisher, Franklin  
Havens, Joseph  
Hooper, Charles  
Hurlock, William  
Jordan, James  
Ludlam, Thomas  
Stewart, John

### SEPTEMBER

<u>CERTIFICATIONS</u>	<u>LEVEL</u>
Allen, Philip	I
Argoe, Jr., Wilbur	I
Chandler, Arnold	I
Clour, Jr., James	I
Cole, Jeremy	I
Coles, Jr., Vannie	I
Faulkner, Jr., James	II OIT
Glancy, Steven	I
Hall, Wayne	I
Heal, Matthew	I
Hill, Dennis	I
Hollinshead, Daniel	II OIT
Jacobs, Donald	II OIT
Jones, Robert	I
Keen II, John	I
Mitchell, Duane	I
Panchoo, Narine	I
Rappa, II, Nicholas	I OIT
Sell, Jr., William	I
Smith, Brian	II
Smith, Douglas	I
Twilley, Robert	I OIT

### EXPIRED LICENSES

Genga, Andrew  
Gladhill, Laurence  
Robertshaw, Earl  
Shahan, John

## Multi-Plant Operations

### Did you know that approval is required to work as DRC and/or Back-Up Operator at more than one wastewater treatment facility?

Operation of a wastewater treatment facility is intimately connected to the protection of the environment and therefore such operation requires training, experience and a degree of commitment and care by the operator. Performing the function of an operator is not a custodial function but is a professional activity that requires planning, scheduling and active intervention by the operator.

The *Policy for Approval of Certified Operator to Operate More Than One Wastewater Treatment Facility* can be located on our website. Within this policy is detailed information on:

- Basic Concept
- Operator Eligibility
- Limitations
- Application Process
- Application Form

It is very important to note that when completing the Application Form be sure to attach a map showing a scale and the name and location of (a) all plants named on the application, (b) office and homes of regular and backup operators and (c) roads and distances between plants, offices and homes of the regular and backup operators. Also provide a letter from the permittee of each facility listed on the application form which gives concurrence with the request of the applicant.

Please note that there is not a fee associated with obtaining multi-plant approval.

Also contained within this policy is information regarding Responsible Management Entities (RME). A RME is a legal entity that contracts to maintain responsibility for managing and operating multiple wastewater treatment systems.

If you have any questions regarding multi-plant approval or Responsible Management Entities, please contact Glenn Davis at (302) 739-9946.



*The BOC would like to thank Walt Baumer and the entire staff of the Howard Seymour Water Reclamation Plant for hosting the October 7, 2009 BOC Meeting.*

## Jordanian Visit

Delaware Technical and Community College hosted a delegation of dignitaries from the country of Jordan the week of October 17~23. The Jordanian delegation is in the process of developing the infrastructure for water and wastewater regulatory over site within their country.

Glenn Davis, Katie Wirick (Board of Certification), Ed Hallock and Terry Pinder (Water Operator's Board) had the honor of meeting the delegation on October 22nd to discuss how Delaware regulates wastewater treatment through its National Pollution Discharge Elimination System (NPDES) Program, how the Wastewater Operator Board of Certification and the Water Operator Board of Certification function and how we manage the Operator Training and Certification Program.

During their visit, the delegation:

- Met with staff from Delaware Technical & Community College and visited the Environmental Training Center.
- Attended a meet and greet with City of Wilmington Mayor James Baker
- Took a tour of City of Wilmington Water Works
- Took a tour of City of Wilmington Waste Treatment Facility

- Attended a meet and greet with USEPA Region III Administrator and Deputy Administrator
- Attended a meeting with Delaware Water and Wastewater Board members
- Met with the President of Tidewater Utilities
- Met with State of Maryland Water and Wastewater Board member
- Had an introduction to Washington Suburban Sanitary Commission



## Test Your Math Knowledge...

**A cylindrical storage tank is 70 feet in diameter and 30 feet high. What is the volume of the tank in cubic feet (cu. ft.)?**

- A) 115,359 cu. ft.
- B) 115,395 cu. ft.
- C) 11,595 cu. ft.
- D) 105,359 cu. ft.

$$2/5 + 7/30 - 6/15 + 2/5 =$$

- A) 19/30
- B) 9/15
- C) 6/3
- D) 9/30

*see Page 4 for the answers...*

## Exam Registration

Testing Date ~ Jan. 8, 2010

Registration Due ~ Dec. 18, 2009

Exam Registration Form can be located at:

<http://www.wr.dnrec.delaware.gov/Services/OtherServices/Pages/SurfaceWaterDischargesLicensing.aspx>

- Registration forms must be typewritten or clearly printed.
- Registration forms must be complete. Incomplete forms will be returned and could delay registration.
- A \$100 (non-refundable) exam fee is due with submission of the Exam Registration Form.
- Registration forms and fees are to be mailed to: DNREC ~ SWDS, Board of Certification, 89 Kings Highway, Dover, DE 19901.
- **Very Important ~ on the day of the exam bring some form of picture identification and a calculator.**



Please share this newsletter with your fellow operators. Only operators with valid e-mail addresses on file will receive.

*Thank You!*

Contact either Glenn Davis or Katie Wirick at (302) 739-9946 with updates to your contact information, to include mailing address, telephone number and/or e-mail address.

## Update to BOC Members



Operator's Representative  
**Brian Blackburn**  
New Castle County



DNREC Representative  
**Glenn Davis**  
Surface Water Discharges Section



Member-At-Large  
**Gerard Esposito**  
Tidewater Utilities

*A special thank you to Peder Hansen for your years of dedicated service to the BOC. We wish you the best of luck on your new endeavor....*

*If you would like to submit an article for the Certification Happenings Newsletter e-mail [Katherine.Wirick@state.de.us](mailto:Katherine.Wirick@state.de.us)*

## Test Your Math Knowledge Answers

**A cylindrical storage tank is 70 feet in diameter and 30 feet high. What is the volume of the tank in cubic feet (cu. ft.)?**

$$\begin{aligned} &(0.785) \times (\text{Diameter}^2) \times (\text{Height}) \\ &(0.785) \times (70^2) \times (30) \\ &(0.785) \times (4,900) \times (30) \\ &= 115,395 \text{ cu. ft.} \end{aligned}$$

$$2/5 + 7/30 - 6/15 + 2/5 =$$

To solve, make the denominator for each fraction equal to 30  
 $2/5 (x 6) = 12/30$ ,  $6/15 (x 2) = 12/30$

$$\begin{aligned} &12/30 + 7/30 - 12/30 + 12/30 \\ &12/30 + 7/30 = 19/30 - 12/30 = 7/30 + 12/30 = \\ &= 19/30 \end{aligned}$$

## Upcoming Reminder...

**Updated Section 4.04 Reports must be submitted to the Department on or before January 31st of each year.**

If there is a personnel change a revised Section 4.04 Report must be submitted to the Department within 30 days after the change.

The Section 4.04 Report (revised about a year ago) is located on our website and should be mailed to:

DNREC  
Surface Water Discharges Section  
89 Kings Highway  
Dover, DE 19901

## Kudos!!!!

**Submitted by Brian Churchill, DNREC**

DNREC's biosolids program permits land application and distribution and marketing activities for many facilities throughout the state and is under the Surface Water Discharges Section (SWDS) of DNREC. In the past, biosolids generators were required to complete an annual electronic report called Biosolids Data Management System (BDMS) to document their facility's compliance with state regulations. This report is universally despised by the regulated community for its lack of user friendliness, complexity, compatibility issues with many computers, and the hours of tedious data entry that are required to complete it.

A new reporting program has been on the biosolids program's wish list for many years but due to budget constraints and staff shortage, a replacement program never progressed to more than conceptual stages.

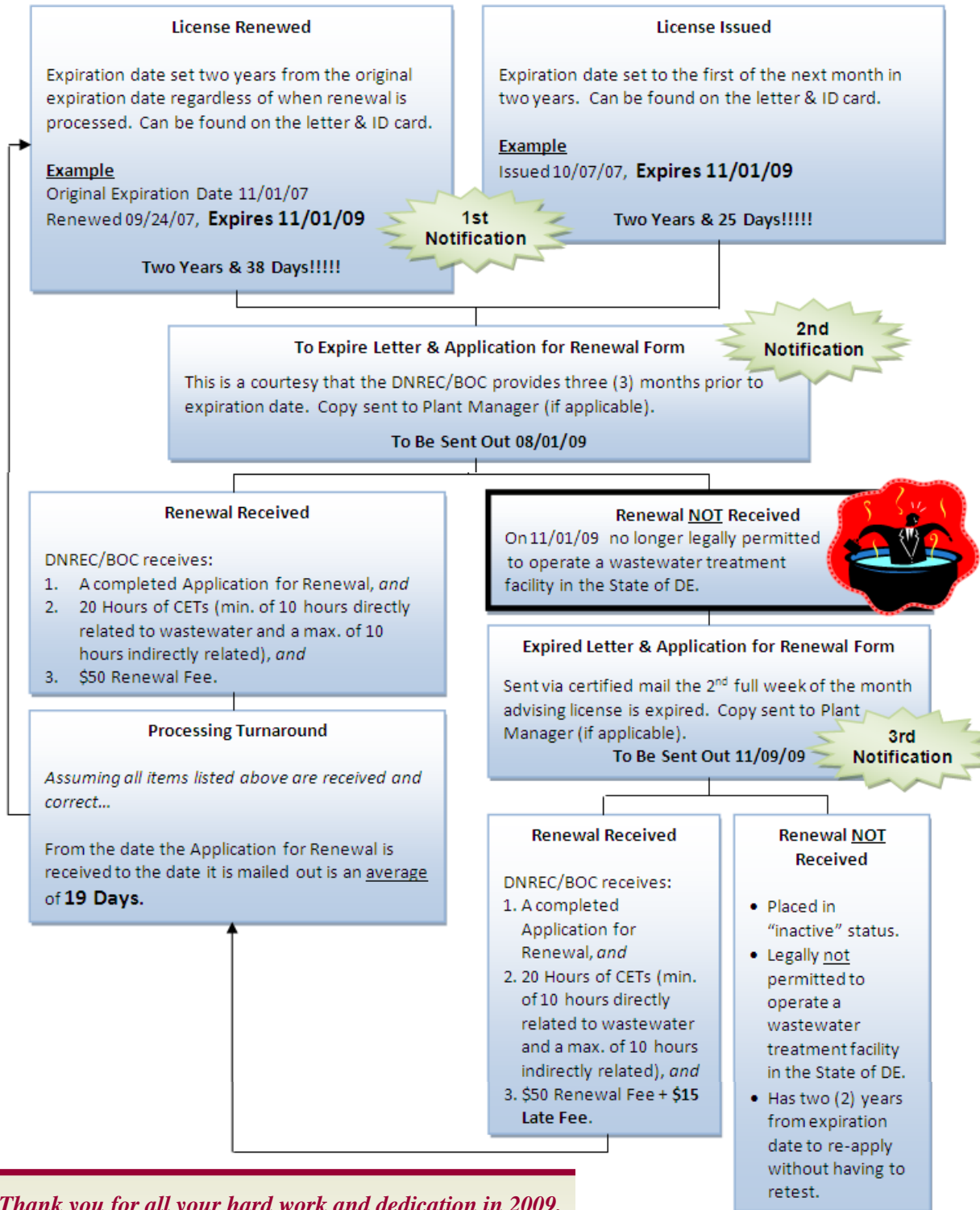
Robert Moore (Bob), a Level IV DRC Operator and the Assistant District Manager at South Coastal Wastewater Treatment Facility worked in conjunction with the biosolids program to produce a program to replace BDMS. Mr. Moore's computer skills, hard work and time are greatly appreciated and DNREC's SWDS wishes to give Mr. Moore the recognition he deserves for his efforts.

*Thank you Bob!*



Board of Certification for Wastewater Operators  
**Renewal Process**

The outline below is based on an expiration date of 11/01/09.



*Thank you for all your hard work and dedication in 2009.*

*Wishing you Happy Holidays and a New Year*

*filled with prosperity and success!*

