

D

State of West Virginia Department of Administration Purchasing Division

0

0

NOTICE

Due to the size of this bid, it was impractical to scan every page for online viewing. We have made an attempt to scan and publish all pertinent bid information. However, it is important to note that some pages were necessarily omitted.

If you would like to review the bid in its entirety, please contact the buyer. Thank you.

Response to RFP EHS90075

Company Information

New Course Applications

For Online Operator Training

November 26, 2008

Copy 1 of 2

REFIVED

7000 MOV 26 A 10: 20

STATE OF WY



GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia
- 2. The State may accept or reject in part, or in whole, any bid
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30
- 6. Payment may only be made after the delivery and acceptance of goods or services
- 7. Interest may be paid for late payment in accordance with the West Virginia Code
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract
- 12. Any reference to automatic renewal is hereby deleted
 The Contract may be renewed only upon mutual written agreement of the parties
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160 103) and will be disclosing Protected Health Information (45 CFR §160 103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form
- 4. Unit prices shall prevail in case of discrepancy
- 5. All quotations are considered FOB destination unless alternate shipping terms are clearly identified in the quotation
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, PO Box 50130, Charleston, WV 25305-0130



November 21, 2008

WV Purchasing Division 2019 Washington St E PO Box 50120 Charleston, WV 25305-0130

Dear Whomever-it-m ay-concern,

Please find enclosed our reply to your RFQ 90075. We appreciate the opportunity to be considered to offer Online Training to water and wastewater operators in the State of West Virginia.

Sincerely

Jerry Untiedt President

Phone: 800-269-1181 Fax: 706-754-1968



HOUZH

RFQ COPY

Suite 4

TYPE NAME/ADDRESS HERE

182 Panacea Drive

Demorest, Ga 30535

SunCoast Learning Systems, Inc.

State of West Virginia Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

RFQ NUMBER EHS90075

PAG	GE
	1

ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER 304-558-0067

HEALTH AND HUMAN RESOURCES BPH ENVIRO HLTH SERVICES

CAPITOL AND WASHINGTON STREETS 1 DAVIS SQUARE, SUITE 200

CHARLESTON, WV 25301-1798

304-558-2981

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS 11/13/2008 BID OPENING DATE: 11/26/2008 BID OPENING TIME CAT LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT. ADDENDUM NO. QUESTIONS AND ANSWERS ATTACHED. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO ign and return may result in disqualification of YOUR BID. EXHIBIT 10 REQUISITION NO.: EHS90075 ADDENDUM ACKNOWLEDGEMENT HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY HROPOSAL, PLANS AND/OR SPECIFICATION, ETC. ADDENDUM/NO ИΟ... МΟ., NO. NO. 5 I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE 706 ADDRESS CHANGES TO BE NOTED ABOVE



VENDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request	fo
Quotati	

-	1-31		401	V.L	-		
	Ε	HS	39	0	0	7	5

ं	F	Α	G	E	3	3		
			2	>				

	ADDR	ESS CORRESPONDENCE TO ATTENTION OF:
R	OBERTA	WAGNER
	04-558-	

HEALTH AND HUMAN RESOURCES
HEALTH AND HUMAN RESOURCES
BPH ENVIRO HLTH SERVICES
CAPITOL AND WASHINGTON STREETS
1 DAVIS SQUARE, SUITE 200
CHARLESTON, WV
25301-1798 304-558-2981

RFQ COPY TYPE NAME/ADDRESS HERE

DATE PRI	MLED	TERN	VIS OF SA	LE	SHIF	VIA		FO.B	FREIGHTTERMS
11/13/ BID OPENING DATE	2008								
BID OPENING DATE	<u>.</u>	1/26/2	008	100000000000000000000000000000000000000	W17712722	BID (ЭÞ	ENING TIME 01	.30PM
LINE	QUAN	ппу	UOP	CAT NO.	ITEM N	UMBER		UNIT PRICE	AMOUNT
	REPRESE ORAL DI AND ANY INFORMA'	NTATION SCUSSIC STATE TION IS CATIONS	N MAD ON HE PERS SSUED S BY	Y UND E OR LD BE ONNEL IN W AN OF	ERSTAND ASSUMED TWEEN VE IS NOT RITING A	THAT ANY TO BE MAINDOR'S F BINDING ND ADDED DDENDUM SIG	DE I / N S M Z	VERBAL E DURING ANY PRESENTATIVES ONLY THE TO THE S BINDING ATURE ATURE PANY	Sys 55 ms, Inc.
· ·									
		<u>, </u>		SEE REVE	RSE SIDE FOR T	ERMS AND CON	DIT	IONS	
IGNATURE						TELEPHONE	<u> </u>	DATE	
TLE		FEIN		·		<u> </u>	7	ADDRESS CHANGES	TO BE NOTED ABOVE
1AH II	N DECDO	NDINO TO	DEC	NOFEE	NIANATE AND				



VENDOR

RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request	foi
Quotati	

നെയ	NUM	ocn	010001
EF	IS9	00	75

3<u>04-558-0067</u>

33	Þ	ΑC	àE	ं	ं
			c	=	

ADDRESS CORRESPONDENCE TO ATTENTION OF ROBERTA WAGNER

			0	
		٥		
o			•	
٠.			٠.	
			٠,	
			٠.	
			٠.	
٠.				
	٠.			
٠.			٠,	
			٠.	
٠.				
			÷	
.*			٠.	
			٠.	

HEALTH AND HUMAN RESOURCES
BPH ENVIRO HLTH SERVICES
CAPITOL AND WASHINGTON STREETS
1 DAVIS SQUARE, SUITE 200
CHARLESTON, WV

25301-1798 304-

304-558-2981

DATE PRI	NTED	TE	RMS OF SAL	E	l s	JIP VIA		F.O.B		FREIGHT TERMS
10/24 BID OPENING DATE	/2008								0.0000000000000000000000000000000000000	STATE OF THE STATE
		11/26/	2008			BID	OPF	NING TIME	01	-30PM
LINE	QUA	NTITY	UOP	CAT. NO.	ITEM	NUMBER		UNIT PRICE		AMOUNT
	THE EN		OR T	HE BI	N YAM C	OT BE CON	NSIC	ERED:		
							İ			
	RFQ. N	0.:	 -		E	HS90075				
	BID OP:	ENING :	DATE:		 1:	1/26/2008	3	-		
	BID OP	ENING '	TIME:		1:30) PM				
	TO CON	PACT Y	DU REC 7 <i>0</i> (DN (P	EASE	NG YOUR 754 -	N CASE IT BID: 1968 CLEARLY): LNTI		NECESSARY		
	****	THIS	IS TH	E ENI	OF RFÇ) EHS900	075	***** TOT	AL:	
A	l a			ees os	EDSE SINE EN	2 TERME AND COL	NO.T.CO	V -		
SIGNATURE / A /)	/ /			oee:HeV	ENOC SIDE FO	TERMS AND CON		. Ir	ATE	1./2
TITLE WILL	~ ' <u> </u>	FEI	N 21/		216 0	706-	<u>53</u>	······································	_/	12/108
11.851	DEN		04		369-2	667		ADDRESS CHA	VGES 1	TO BE NOTED ABOVE

SPECIFICATIONS

The State of West Virginia, Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Office of Environmental Health Services (OEHS), Environmental Engineering Division (EED) is seeking multiple vendors to provide internet-based training (E-Training) to certified water operators (operators-in-training, water distribution, and class I-IV) employed by small public water systems (PWS) in West Virginia, which serve a population of 3,300 or less.

OEHS OBJECTIVE

All certified PWS operators in West Virginia, except for Class1Ds, are required to renew their certification every two years by submitting an application to OEHS with proof of continuing education hours (CEHs). The intent of this requirement is for operators to continue learning and implementing new technology and rules developed to protect public health and drinking water. However, at small systems with one or very few operators, it is often difficult to find time and money to travel for traditional classroom training. OEHS' objective is to offer a variety of online CEH approved courses through multiple vendors in order to fulfill certification requirements and reduce training-related costs to both the system and its operator(s).

VENDOR COURSE REQUIREMENTS

Vendor's E-Training courses to eligible PWS operators under this RFQ must be approved CEH courses. Legislative Rule 64CSR4 defines a continuing education hour as:

One (1) hour of participation in an organized continuing education experience under responsible sponsorship approved by the Commissioner for renewal of a public water system operator certification.

CEH courses must be approved by the Commissioner and operator attendance documented before OEHS will accept the CEHs for renewal. The Commissioner recognizes only course work provided by qualified instructors and relevant to the drinking water industry. All CEH courses go through the application review and approval process of the CEH Review Committee. The committee consists of ten professional staff, meets monthly, discusses pending course applications, and makes approval/rejection decisions.

To be considered for CEH approval, vendor must submit a completed EW-78 WVBPH Operator Training Course Approval Application Form (see Attachment 1) along with all related course materials, such as:

1. Information about the company submitting the course for approval.

- 2. Resume that demonstrates instructor(s) educational experience.
- 3. Course syllabus.
- 4. Class material, including but not limited to power point presentations, exercises and handouts.

If approved, the course will be assigned:

- A course number.
- 2. A course name.
- 3. Instructor or sponsor information.
- 4. The number of CEH hours approved.

CEH approval also requires all course providers to document attendance and provide appropriate certificates (with at least the above information as approved) to all course participants. Documentation on any training course already approved by another state or agency may facilitate the WV CEH approval process.

Vendor understands that before OEHS will authorize use of any courses under this RFQ, they must have already been or will be approved by OEHS' CEH review committee. The current list of approved CEHs is available online at http://www.wvdhhr org/oehs/eed/i&cd/education_index.asp. For example, a vendor might submit twenty online internet training courses to be used under this RFQ; twelve of which have already been approved by OEHS' CEH review committee. Vendor must submit the remaining unapproved courses but will not be allowed to offer them to PWS operators under this RFQ until they are approved by OEHS' CEH review committee.

Vendor understands that the courses, approved and pending approval, submitted will be the only ones allowed to be offered to PWS operators under this RFQ for a one-year period. If, after the one-year period, OEHS and vendor mutually agree in writing to renew the contract for an additional one-year period, vendor will be given an opportunity to add to or remove courses. Such renewal will be in accordance with the terms and conditions of the original contract and will be limited to two, one-year periods.

Vendor's on-line education program must also include the following functions for each course:

- Intermittent quizzes and test questions.
- Wrong answer notification.
- Automatic generation of a Certificate of Completion with appropriate CEH information.
- A real-time clock on screen that records the time operator spent on the course material.

VENDOR REQUIREMENTS

Vendor agrees to meet all requirements stated below:

- Vendor must submit written proof that it has provided internet-based training related to water system operation for at least two years out of the last five-year period
- Vendor must submit a list of all approved and pending CEH online training courses it wants considered for offering under this RFQ.
- Vendor must demonstrate the ability to utilize a password or access code tracking system; and must develop and submit a process to track courses and operators who successfully complete training to ensure the following steps flow smoothly:
 - 1 OEHS will communicate online training opportunities, including names and contact information of all awarded vendors to PWS operators via its website and mailings. It will be up to the discretion of the operator to take whichever course he or she wants to fulfill their CEH renewal requirements.
 - 2. Operators will choose the vendor or vendors they wish depending on the course area(s) they need. If various vendors are offering the same class, operators will have the option to choose which approved course to take.
 - 3. An operator will submit a request to OEHS to take a particular course or courses.
 - 4. Once OEHS determines that the operator is eligible under this program and that the course or courses the operator is requesting to participate in has received OEHS' CEH approval, OEHS will inform the appropriate vendor of operator eligibility. From there, vendor will contact the operator and issue a separate password or access code for each course.
 - 5. Once an eligible PWS operator completes a course, vendor will provide him or her an automatic Certificate of Completion <u>only</u> if the operator completes the course and passes the test.
 - 6 Vendor will invoice OEHS only after courses have been completed and tests taken, not when passwords or access codes have been issued.
- Vendor must submit an all-inclusive lump sum cost <u>per course</u> submitted. This lump sum cost must include all associated costs for one PWS operator to complete one of the courses listed, including the test and all required training materials.

- Vendor will permit eligible operators one attempt to pass each course. If vendor allows an operator additional attempts to pass any course, OEHS' responsibility to vendor for payment is only for the first attempt.
- Vendor will permit ineligible WV PWS operators (those not meeting OEHS criteria
 for this contract) to take and pass any course at the operators' own expense for
 the same price per course specified on vendor's bid/cost sheet.

OEHS' CONTRIBUTION TO CONTRACT

- Upon receiving a request from an operator to take a particular course or courses, OEHS will determine his or her eligibility and notify the appropriate vendor of the operator's intentions. If a vendor allows an individual to access or complete a course outside this eligibility process, OEHS will not pay the costs. Individual eligibility will be based on current employment with a small PWS and CEH renewal requirements.
- OEHS will not accept a lump sum cost for the unlimited usage of a course for a year nor will it pay for a website to be set up with multiple courses for unlimited usage.
- OEHS will pay the vendor only after an eligible operator completes an approved course and test. OEHS will not be responsible for payment to the vendor if eligible operator does not complete a course or does not take the test associated with a course. If OEHS approves an eligible operator to take an approved course and that operator does not complete the course and the test associated with that course, OEHS will not be responsible to the vendor for the payment of the course participated in by the operator. Payment to the vendor for such uncompleted course participation is the responsibility of the PWS operator. OEHS will make operators aware of their uncompleted course payment responsibility, and vendor must also inform operators of such prior to issuing them passwords or pass codes for accessing online courses.
- In order to ensure operators are aware of the training available through this contract, vendor and OEHS may advertise in print, verbally or electronically via websites.

QUOTATION SUBMISSION REQUIREMENTS

Vendor must submit the following:

 Documented proof that the vendor meets requirements outlined in these specifications.

- Indication of vendor courses that already have OEHS' CEH approval. Vendor will
 not be allowed to offer courses without CEH committee approval. Pending courses
 must be submitted to be considered for the one-year agreement period, but vendor
 cannot make them available to PWS operators under this RFQ until they are
 approved.
- Demonstration of successful use of a password or access code tracking system.
- Sheet(s) that list the courses vendor will offer for the one-year contract period. Sheet(s) must include course names, CEH Number, CEH Hours, and an all inclusive lump sum cost <u>per course</u> (i.e. all costs associated with one operator taking one course).

Example: Course A – Bid cost for one student to complete and test for Course A is \$100. If ten eligible operators complete the course and test in January 2009, vendor's invoice to OEHS in required format (see Attachment 2) with supporting backup documentation at the end of the month will be for \$1,000.

Vendor should use the format illustrated on the "E-Training Bid" sheet (see Attachment 3) to submit its course listing. Vendor can use Attachment 3 and make copies as necessary, or vendor can create its own sheet as long as it follows the same format. Deviation from this format may result in the vendor being disqualified.

Note: All inclusive individual lump sum cost means: the bottom line dollar cost for one person to take one course, including all training materials.

VENDOR REGISTRATION:

Vendor must be in good standing with the West Virginia Bureau for Employment Programs and be registered with the State of West Virginia, Division of Purchasing before a purchase order can be issued.

BASIS OF AWARD:

In order to ensure a variety of courses are available to eligible PWS operators, OEHS will enter into open-end contracts with all vendors meeting each of the requirements included in these specifications.

INVOICES:

Vendor must invoice OEHS monthly in arrears for all courses completed during the previous month. Invoices may not be submitted more than once monthly. Monthly invoice must include a hard copy and an electronic version in Microsoft Excel in the format shown on Attachment 2 and be comprised of the following information as a minimum:

- o CEH number (i.e. CEH2007-001)
- o Course name.
- CEH hours, as approved.
- Course completion date.
- Student name, first name, and middle initial.
- Student date of birth.
- Student employment by public water system identification number (PWSID#)
- o Actual amount of time student spent on-line.
- o Pass/fail information.

TERM OF CONTRACT:

Vendor services will be provided upon issuance of a purchase order and extend for a period of one year. Contract with vendor may be renewed upon the mutual written consent of OEHS and vendor. Such renewal will be in accordance with the terms and conditions of the original contract and will be limited to two, one-year periods. Upon annual renewal(s), vendors will be allowed to:

- Add additional courses to or remove courses from their submitted course listings with the understanding that all courses to be added have already been approved by OEHS' CEH review committee; and all requests (additions and removals) are to be submitted to OEHS at least 30 days prior to expiration of the purchase order.
- Submit an all-inclusive individual lump sum cost per course being added. This lump sum cost per course must include all associated costs for one PWS operator to complete the course listed, including the test and all required training materials

1. Company Information (Page 6, Item 1)

SunCoast Learning Systems, Inc.

In April, 2002, SunCoast Learning Systems was created to develop a means to economically develop and deliver continuing education through partnering with Florida Rural Water and Texas Rural Water Associations. Today, half of the Rural Water Associations utilize SunCoast Learning Systems to deliver and manage their online courses. (A few are still in the process of getting state approval.)

In order to minimize costs in course development and to manage students and courseware, SunCoast developed a custom Learning Management System (LMS). All of the courses are delivered via access through the Rural Water Association website. For example, students can access the online training for WVRWA at www.wvrwa.org, then click "Online Training." The RWA administrator, SunCoast Learning and students have access to certain records online, including sales history, courses enrolled in, quiz grades, payment information, etc. This information is password protected.

This relationship makes us unique in the continuing education industry. All of our courseware has been developed by water and waste-water professionals, many of whom are rural water trainers. The courses have been converted from existing instructor-led courses to high quality, education-rich online courses that fill the need of the majority of today's operators.

This unique focus can be seen in the length of the courses. Our courses fall between 5-12 hours in length rather than the more typical 1-2 hour long courses. Many small operators prefer the longer courses because of their need for better in-depth training or more efficient use of time and cost to complete continuing education requirements.

- 2. Resume that demonstrates instructor(s) educational experience (Page 7, Item 2)
 - Included in New Course Application package
- 3. Course Syllabus (Page 7, Item 3)
 - Included in New Course Application package
- 4. Class Material, including but not limited to power point presentations (Page 7, Item 4)
 - a. Course material can be accessed by opening this web page:

https://www.suncoastlearning.net/lms/_wvrwa.html

Username: jstudent Password: jstudent

Click on the course radio button you wish to review, then click on course module radio

buttons If you need assistance, please call us at 800-269-1181

Page 7

Vendor's online education program must also include the following functions for each course: (Page 7)

Real time clock

Clocking is provided in each course with time by module and total time displayed. Times can be viewed both by user and by those with administrative rights (WVRWA and SunCoast). See next page for example.

Automatic certificate generation

When the student completes the course, passing all modules, s/he completes the Certification module, which generates an email. This certification notification is automatically sent to WVRWA, SunCoast and to the student. The purpose is to have multiple points of notification and verification of results. The certification email can be customized to display information required by OEHS. All states that use our system also generate a final certificate to the student.

Wrong answer notification

This option is available in our latest training platform, but has not yet been requested by any of our clients. When we first designed the Learning Management System (LMS), a considerable amount of time was spent on whether or not a wrong answer notification be given and how or what remediation should be given. We determined that most states do not wish for the correct answers to be shown.

Our challenge was, how much effort should be taken by us as the developer to eliminate or reduce the number of students "cheating" for answers instead of reading the material? Our decision was to focus on developing a training system that offered an easy navigation process for the student to review their reading and improve their learning. When we have an opportunity to speak with our students, we find that they are very serious learners who truly want to gain from their online experience, not just get by

That being said, our new platform does offer the option of wrong answer notification. The new courses being submitted in this RFQ will have the required wrong answer notification feature activated.

Intermittent quizzes and test questions

All SunCoast courses have graded module quizzes. The new courses submitted by SunCoast will also comply, having numerous learning checks/ intermittent quizzes (graded or non-graded) as well as end-of-module graded quizzes.

Modifying the older courses is a significant undertaking. We request that all previously approved SunCoast Learning courses be grandfathered in, and that a reasonable amount of time be given to modify or upgrade them. These courses continue to serve several thousand students through all of our Rural Water partners.

Welcome admin_wvrwa

West Virginia Rural Water Association e-Learning

Users			Co	urse Res	uits			
-User List								
-User Groups	Courses:	WVR	WA Basic Environm	ental Chemi	stry			
Courses			· · · · · · · · · · · · · · · · · · ·					
-Course List	Users:	wvbp	h,wvbph (wvbph)					
-Course Groups	Enw	oll Date:	09-04-2007		6.		00.04.0007	
Learning					Dί	ie Date:	09-04-2007	
-Assignments List	Ce	ert Date:	00-00-0000					
-Enrollments List	Time in	course:	09:59:54			Score:	0	
-Certifications List		Status:	Not Attempted				Save	
-Results List			1	78.1778		1		
Payments	Maranda for a sign of the same	***************************************	The second secon					
-Payments List								
Reports		Mo	dule	Status	Score	Attempt	s Total Time	Select
-Student Results	Basic Envir	onmen	tal Chemistry	P	76	2	01:45:09	\circ
-Registered Users	Atomic/Ma	lecular	Weight	4	88	1	01:12:32	0
-Enrolled Users	Dilution Ca	lculatio	ns	1	77	1	00:56:10	Ô
-Payments	Water/War	stewate	er Chemistry	P	70	1	01:33:23	0
-Course Expiration			•			_		0
System	Wastewate	r Chem	istry	E	89	2	01:39:42	\circ
-Certification Type	Coagulation	n, Softe	ning and BOD	B	75	2	01:20:20	\circ
-Preferences	Chlorinatio Control and		and Corrosion	æ	90	1	01:32:08	\circ
-Receipt fields	Certificatio	-	scration	a	100		00.00.00	<u> </u>
-Registration	Certificatio	n		*******	100	1	00:00:30	0
-History				lotal tim	e for all	modules	: 09:59:54	
-Home	Not Attem	pted	I Incomplete	Faile	đ	Pas	sed 📜	Completed
-Logout	nes.		759	A		A	300	completed

Powered by SunCoast Learning, Inc.

Copyright © 2007 West Virginia Rural Water Association

MODULE & COURSE CLOCKING

Welcome jstudent



Home

Home

Registration

Calendar Online Help Logout

West Virginia Rural Water Association e-Learning

Registration Info

Business Info:			The second secon
Company or System Name:	ABC Company		* Company or System Name
Company Address:	100 Young Street	, 2000 - 1000 -	* Company Address
City:	Scott Depot		* Company address - City
State:	West Virginia	18673	* Company address - State
Zip Code:	25560		* Company address - Zip code
Work Phone:	304-562-8585		* Company phone number
Work Email:	student@student.com		* Company email address
Personal Info:	TO CONTROL MANAGEMENT OF THE AREA OF THE	malina vinenneger ymgungag	HMM Allin, and the annual control of the part of the p
First Name:	Joe		* Your first name
Last Name:	Student		* Your last name
Phone:	(not required)		Your phone number
Email:	(not required)		Your email address
Login Info:	alakkanan menenen en	A COMPANY, MICHAEL COMMUNICATION	
User Name:	jstudent		* Your login id.
Password1:			* Password to be used to connect
Password2:			* Password confirmation
enter en En 1800 total en 1800 total enter	ener regregations, commente en		remonth metallication is a dischil accidence the northwestern, in assistation also statistics as a sixty of the second of the s
* Required fields		ОК	Cancel

Powered by SunCoast Learning, Inc.

Copyright © 2007 West Virginia Rural Water Association

Your session will expire in 240 min

Welcome admin_wvrwa

Users

- -User List
- -User Groups

Courses

- -Course List
- -Course Groups

Learning

- -Assignments List
- -Enrollments List
- -Certifications List
- -Results List

Payments

-Payments List

Reports

- -Student Results
- -Registered Users
- -Enrolled Users
- -Payments
- -Course Expiration

System

- -Certification Type
- -Preferences
- -Receipt fields
- -Registration
- -History
- -Home
- -Logout

Powered by SunCoast Learning, Inc.

West Virginia Rural Water Association e-Learning

Administrator

- Name: West Virginia, admin
 User Group: WVRWA students
 Course Group: WVRWA Courses
- Last Login: 11-20-2008

Users

Total Users: 11On line Users: 0Registered Today: 1

Courses

Total Courses: 15Enrolled Today: 2Completed Today: 0

Messages

- Total Messages: 1
- Today: 0

Payments

• Payments Today: 0

Copyright © 2007 West Virginia Rural Water Association

ADMIN REPORTS & FUNCTIONS

Vendor Requirements (Pages 8, 9, 10 and 11)

SunCoast agrees and complies with all requirements on pages 8,9,10 and 11.

- Written proof of at least two years delivering internet based training to the water system industry.
 - Document attached
- Provide list of all approved and pending CEH online training courses.
 - Approved courses in Book 1
 - Pending courses in Book 2
- Vendor must demonstrate ability to utilize password or access code.
 - o Go to www.wvrwa.org, click on "training", then click on "online training".
 - o Enter username: jstudent
 - o Enter password: jstudent
 - Student is now in the training system

FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS



Home

Contact Us

E-Filing Services

Document Searches

Forms

Previous on List Next on List

Return To List

No Events

No Name History

Entity Name Search

Detail by Entity Name

Florida Profit Corporation

SUNCOAST LEARNING SYSTEMS, INC

Filing Information

Document Number P02000049008

FEI Number

043692669

Date Filed

04/29/2002

State **Status** FL **ACTIVE** Proof of 2+ years in Internet Training (see next page) in Water industry

Principal Address

1019 WORTHINGTON SPRINGS DR MELBOURNE FL 32940

Changed 08/06/2003

Mailing Address

1019 WORTHINGTON SPRINGS DR MELBOURNE FL 32940

Registered Agent Name & Address

UNTIEDT, JEROME A 1019 WORTHINGTON SPRINGS DR MELBOURNE FL 32940 US

Name Changed: 08/06/2003

Officer/Director Detail

Name & Address

Title D

UNTIEDT, JEROME A PRES 1019 WORTHINGTON SPRINGS DR MELBOURNE FL 32940

Title VP

UNTIEDT, SUSAN G VP 1019 WORTHINGTON SPRINGS DR MELBOURNE FL 32940 US

Annual Reports

Report Year Filed Date

2006

01/18/2006

2007

01/11/2007

Weicome The Bushant

Texas Rural Water Association e-Learning



Take a course

Home

Enrolled courses Course Menu Launch Course

Enrolled Courses

Click on a radio button, in the Select column, to select a course

Course Tale	V.4.5	19 11 12
Corrosion Control Treatment Optimization	I.	03-09-2008
TRWA Pump and Motor Maintenance	3	01-17-2004
TRWA Basic Water Works Operations		06-11-2004
TRWA Chlorinator Systems and Chemical Handling		03-29-2003
TRWA Corrosion Control Treatment Optimization	I.	04-30-2008
TRWA Valve and Hydrant Maintenance	L	04-30-2008
TRWA Water Conservation	\mathbf{L}_{ii}	02-12-2007
TRWA Water Utility Safety	I.	05-22-2008
Voucher TRWA Basic Water Works Operations	I.	02-19-2003
Voucher TRWA Chlorinator Systems and Chemical Handling	\mathbf{I}_{z}	08-06-2008
Voucher TRWA Pump & Motor Maintenance	<u>J</u>	04-04-2003
Voucher TRWA Water Utility Safety	I à	04-09-2008
₩ Not Attempted 💢 Incomplete	€ Compl	eted

Course Menu

Powered by i de est carring. Inc

Cutyright to 190 (Trime Respondence of progress)

TESTING DATES ON TEXAS
RURAL WATER COURSES.

Attachment 2

E-TRAINING Required Invoice Information EXAMPLE

	T	uneu mvo			-/ \/ \ \ \ \		1	T	т	,
CEH number	CEH hours	Course name	Student last name	Student first name, middle initial	Student date of birth	Student's Employer PWSID#	Course completion date	Time spent on-line	Pass/Fail	Cost
CEH2008-001	6	Contracts 101	Smith	Dawn, L.	8/25/61	WV331234	11/16/07	7 5 hours		
werter in the Administrative data oppositely the second specific and the secon	.,		T FOR ANTIBODE SEC STATISTICS AND SEC.	Committee that sales collected states accounty consequences						
	NOTICE OF STREET			Andreadan and the state of the			ANALYSIA MARKATAN TOTALIS AMBONIAN			
The second variable v										www.or's and
								destilier a see see see see see see see see see s		na e ere va regoggend
oo ah da ahka ah					- probabilistica a cardin cida abbilistica — u Marcio "g		***************************************	and a second to the second to the second second		***************************************
abiate to			A STATE OF THE PARTY OF THE PAR	***************************************			ettari inditto s disefrassimotivações, o			**************************************
naudain ka ta kaladalar salah talah talah say in penganjah penganjah penganjah penganjah penganjah penganjah p	Annual form & value V. Legislah (proces)				ump a valeum 1944, it sachts Lexif (ditte / i East cold	hulder .				
19.50 SA MANAGAMAN AMANA, MANAGAMAN		The second section of the second seco						·4a		
					F SSF ANN ANN EX SSF AN ANN ANN ANN ANN ANN ANN ANN ANN ANN					latinistic manus response / re
								The Contract of Section Production Section Section 1989		
							Header with a section to the section of the section			
				——————————————————————————————————————						
								manandaria d ependentia de la constitución de		
	mondo angle o ungap <u>endad ab</u>					de Calabaratación de Calabarata de Calabara de La Calabara de Cala	3		OF THE SHAPE AND A	
and the same safety and the same safety and the same safety and the safety and th	4 11	Make and the sub-sub-superpose property of the sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-				****				
l				<u>_</u>			<u> </u>			

SUN COPET COMPLIES.

Attachment 3

E-Training Bid Sheet

Course Name	CEH Number	CEH Hours	Cost Per Student (\$)
Water Transmission and Distribution	CEH2007-074	10	\$180.00
Surface Water Treatment	CEH2007-075	10	\$180.00
Small Water Systems I	CEH2007-076	5	\$100.00
Small Water Systems II	CEH2007-077	10	\$180.00
Water Utility Safety	CEH2007-078	10	\$180.00
Water Utility Calculations	CEH2007-079	10	\$180.00
Chlorinator Systems and Chemical Handling	CEH2007-080	10	\$180.00
Pump and Motor Maintenance	CEH2007-081	10	\$180.00
Basic Environmental Chemistry	CEH2007-082	10	\$180.00
Practical Personnel Management	CEH2007-083	7	\$140.00
Introduction to Wastewater Processing	CEH2007-084	10	\$180.00
New courses submitted for approval			
Corrosion Control Treatment Optimization		12	\$215.00
Maintaining Water Quality in Distribution Systems		12	\$215.00
Math Review		10	\$180.00

WVBPH OPERATOR TRAINING COURSE APPROVAL APPLICATION FORM

Course Content

Course title:	Topic:
Corrosion Control Treatment Optimization	Problems with corrosion & treatment
This application is for: Drinking Water Operators	O ption S Wastewater Operators
(If you are applying for continuing education approval for	
	estewater continuing education by WVBPH: YES
	and complete all portions of this application copy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
n/a	#215
often resulting in lead and copper excect of corrosion control treatment and p your system Target Water Operator Classifications: 1 1 11 11 111 111 111 111 111 111 111	
Images, charts, tables, interri- graded quizzes	n quigges, end of module
Instructional Approach: Online, student pages thr	ough course at own pace.
References: Debbie Britt: WVRWA 30	4-201-1689
Gary Williams; FRWA 85	0-668-2746
Tom Duck: TRWA 41.	2-572-8591
Course Evaluation:	
N/A	
* Attach a course outline	Date: 1//20/08

Sponsoring Organization Information

ACADO
Sponsor Name: SunCoast Learning Systems, Inc.
Address 187 Panages De Chill
Address: 182 Panacea Dr., Ste. 4 City/State/Zip: Demoiest, GA 30535
Telephone: 706-839-1498 Fax 706-754-1968 E-Mail: Jerry & Suncoastlearning com
Suncoast/earning of one
Mission or Business: Convert, develop & deliver quality on line courses
granty on me courses
The commung education evedite Water and Waste water
operators enter the courses through the state runs
Water ascerta
Description of record keeping: All student records are kept through
1 DIMENT PROPERTY THROUGH
JUSTEM COCCOSCIDIO ONLINO TAKED
Selver in Canada Romande Last 1 1
server in l'anada. Recorde kept include student name, address, etc.
plus courses taken time in each module and quiz scores
The mean mean and quiz scores
101 11N
Sponsor Representative Signature Date
/

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798

Richard E. Giani

Course Author

Basic Environmental Chemistry

Corrosion Control Treatment Optimization

Maintaining Water Quality in Distribution Systems

Professional experience

2003 - Present

District of Columbia Water & Sewer Authority

Washington, D. C.

Manager, Water Quality Division

Responsible for managing the District's Water quality Division, which includes oversight of 2 supervisor levels and 30 employees. The Division includes the water quality monitoring program, conservation program, cross connection program, flushing program, emergency response and security monitoring. Primary responsibility is to insure high water quality is maintained throughout the District including reduction of elevated lead concentrations below EPA's action level. Also directed DC's technical drinking water team which was responsible for reducing lead levels in the District below EPA's action level.

- Reduced the District's drinking water lead levels below EPA's action level
- Reduce the District's total coliform drinking water levels to below 0.5%
- Develop a water quality rapid emergency response program
- Develop a routine water quality monitoring program for schools and daycares

Major Accomplishments

1989 - 2003

Pennsylvania Department of Environmental Protection

Harrisburg, PA

Environmental Research Specialist

Responsible for conducting environmental research, managing state funded research projects, providing technical guidance and training to department staff, plant operators and environmental engineers.

1989 - 1993

Pennsylvania Department of Environmental Resources

Stroudsburg, PA

Field Sanitarian

Environmental field inspector for the Commonwealth of Pennsylvania

Duties consisted of inspecting public water supplies, conducting drinking water field sampling and analysis, determine drinking water health threats and oversee compliance of water plant operations.

	orrosion Control Treatment Optimization	Author: Rich Giani
Course Modules	Module Sub-Headings	Typical Module Time
 Lead and Copper 	Introduction	5
Rule - Overview	Lead and Copper Rule	
	LCR Summary Facts	
	Calculating 90 th Percentile	
	LCR New Rules	
2. Primary Water	Introduction	15
Quality Parameters	ρΗ	
	Alkalinity	
	Total Hardness/Dissolved Total Hardness/Calcium	
	Hardness/ Calcium/Magnesium/ Calcium Carbonate	
	Precipitation Potential	
	How to measure calcium precipitate in the distribution	
	system	
	Orthophosphate/Total Phosphate	
	Silicates	
	Total Dissolved Solids	
3 Secondary Water	Introduction - Avoiding Unintended Consequences	1.5
Quality Parameters –	Secondary Water Quality Parameters – Carbon Dioxide	
Part 1	Secondary Water Quality Parameters – Iron	
	Secondary Water Quality Parameters – Manganese	
	Secondary Water Quality Parameters – Turbidity and	
	Color (Apparent)	
	Secondary Water Quality Parameters – Aluminum	
4. Secondary Water	Secondary Water Quality Parameters	2.0
Quality Parameters –	Secondary Water Quality Parameters – Sulfates and	
Part 2	Chlorides	
	Secondary Water Quality Parameters – Oxidation-	
	Reduction Potential (ORP)	
	Secondary Water Quality Parameters – Chlorine	
	Secondary Water Quality Parameters – Free Ammonia	
	Secondary Water Quality Parameters - Nitrification	
	Secondary Water Quality Parameters - Heterotrophic	
	Plate Count (HPC)	
5 Corrosion Control	Introduction	1.5
Treatment 1 -	Case Study 1 Example, Determining DIC	
Passivation - ph	Determining the Lead Constituent	
Alkalinity Adjustment	Calculate lead reduction	
	Copper Solubility	
	Choosing the Right pH Adjustment Chemical	
	Calcium Carbonate Precipitation Potential (CCPP)	
	Calcium Carbonate Precipitation Jar Test Procedure	
	(AWWA – 2008)	
	Other Considerations:	
	Public Health	
	Buffering Intensity	
	Chlorine Optimization	

6. Corrosion Control	Alkalinity	15
Treatment 2 -	Case Study 2	
Passivation –	Oxidation Reduction Potential (ORP)	
pH/Alkalinity	Iron Corrosion	
Adjustment	Changes in Anions Due to Coagulation Chemical	
	Changes	
7. Corrosion Control	Phosphate Inhibitor Passivation	2.0
Treatment 3 -	Types of Phosphates	
Passivation –	Optimal situations for phosphate corrosion treatment	
Phosphate	CaCO₃ Precipitation	
	Lead Oxide	
	Iron Corrosion	
	Copper	
	Erosion Corrosion	
	Silicates	
8 Corrosion Control	Chemical Stability	15
Operations	Benefits of Chemical Stability	
	Precipitation	
	pH Stability	
	Alkalinity	
	Sampling	
	pH Stability Operations	
	Start-up Operations	
	Pump Calibrations	
	Water Quality Parameter Operations Chart	
	Setting Water Quality Parameters after Corrosion Treatment has been Optimized	
	Distribution Target Levels for Water Quality Parameters	
		Total = 12.0

WVBPH OPERATOR TRAINING COURSE APPROVAL APPLICATION FORM

Course Content

Maintaining Water Quality in Distribution This application is for: Drinking Water Operators Systems This application is for: Drinking Water Operators Systems If you are applying for continuing education approval for drinking water and wastewater operators, mark both.) Has this course been previously approved for water or wastewater continuing education by WVBPH: YES V If "yes", provide the WVBPH approval number(s) here and complete all portions of this application have changed, sign and date it, and submit it along with a copy of the previous application. Date and Approximate Time: Course Cost/Fee: 4215 ** Aucate student in all areas of distribution, focusing on proper naintenance, disinfection, sampling, system components, assessing quality, trouble shooting, customer satisfaction Target Water Operator Classifications: I V II V III V IV V Other (check all that apply) Instructional Aids: Filled with images, charts, formulas, text, interim and end-of-module quizzes Instructional Approach: Online - student pages through at own pace. References: WirwA, Debbie Britt 304 201-1689 FRWA, Gary Williams 850-668-3746 TRWA, Tom Puck 4/12-572-8591 Course Evaluation: N/4	Course Title:	Topic
(If you are applying for continuing education approval for drinking water and wastewater operators, mark both) Has this course been previously approved for water or wastewater continuing education by WVBPH: YES If "yes", provide the WVBPH approval number(s) here	Maintaining Water Quality in Distribution	Multi-faceted Quality Control
(If you are applying for continuing education approval for drinking water and wastewater operators, mark both.) Has this course been previously approved for water or wastewater continuing education by WVBPH:	This application is for: Drinking Water Operators	Wastewater Operators in Drinking Water
Has this course been previously approved for water or wastewater continuing education by WVBPH: YES VI ff "yes", provide the WVBPH approval number(s) here and complete all portions of this application have changed, sign and date it, and submit it along with a copy of the previous application. Date and Approximate Time: Course Cost/Fee: #215 *** Fallowsteen Student in all areas of distribution, focusing on proper punintenance, disinfection, sampling, system components, assessing quality, trouble shooting, customer satisfaction Target Water Operator Classifications: V V V N Other (check all that apply) Instructional Aids: Filled with images, charts, formulas, text, interim and end-of-module quizzes Instructional Approach: Online = student pages through at own page References: W RWA, Debbie Britt 304-201-1689 FRWA, Gary Williams 850-668-2746 TRWA, Tom Duck 412-572-8591	(If you are applying for continuing education approval for d	
If "yes", provide the WVBPH approval number(s) here have changed, sign and date it, and submit it along with a copy of the previous application. Date and Approximate Time: N/a		
Objectives: Educate student in all areas of distribution, focusing on proper plaintenance, disinfection, sampling, system components, assessing quality, trouble shooting, customer satisfaction Target Water Operator Classifications: I V II V III V IV V Other (check all that apply) Instructional Aids: Filled with images, charts, formulas, text, interim and end-of-module quizzes Instructional Approach: Online - Student pages through at own pace. References: WVRWA, Debbie Britt 304-201-1689 FRWA, Gary Williams 850-668-2746 TRWA, Tom Duck 412-572-8591 Course Evaluation:	if "yes", provide the WVBPH approval number(s) have	manus a constant at the consta
Objectives: Educate student in all areas of distribution, focusing on proper maintenance, disinfection, sampling, system components, assessing quality, trouble shooting, customer satisfaction Target Water Operator Classifications: I V II V III V IV Other (check all that apply) Instructional Aids: Filled with images, charts, formulas, text, interim and end-of-module quizzes Instructional Approach: Online - student pages through at own pace. References: WVRWA, Debbie Britt 304-201-1689 FRWA, Gary Williams 850-668-2746 TRWA, Tom Puck 412-572-8591 Course Evaluation:	Date and Approximate Time:	Course Cost/Fee:
Educate student in all areas of distribution, focusing on proper maintenance, disinfection, sampling, system components, assessing quality, trouble shooting, customer satisfaction Target Water Operator Classifications: I V II V III V IV V Other (check all that apply) Instructional Aids: Filled with images, charts, formulas, text, interim and end-of-module quizzes Instructional Approach: Online - student pages through at own pace References: WVRWA, Debbie Britt 304-201-1689 FRWA, Gary Williams 850-668-2746 TRWA, Tom Duck 412-572-8591 Course Evaluation:	nla	
TRWA, Gary Williams 850-668-3746 TRWA, Tom Duck 413-572-8591 Course Evaluation:	Educate student in all areas of de maintenance, disinfection, sampling quality, trouble shooting, custor Target Water Operator Classifications: 1 V 11 V 111	ner satisfaction (\(\text{Other} \) _ (check all that apply) mulas, text, interim and
Course Evaluation:	References: WVRWA, Debbie Britt 3 FRWA, Gary Williams TRWA, Tom Duck 413	304-201-1689 850-668-2746 3-572-8591
N/4	At 1 to the control of the control o	Affective weaking registering registering was assumed by the Ab and a challent debugs of a second measurement of the secon
	N/4	
* Attach a course outline Date:	* Attach a course outline	Date

Sponsoring Organization Information

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
Address: 18 4 Marcha Mr. Sta W. O. S. C. S. C.
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: Jerry & Suncoast learning com
suncoastlearning com
modern business. Convert, develop & outiver quality myline convinces
Tor continuing education credit. Water and waste water
operators enter the coruses through the state rund
Description of record keeping: All student records are kent through
1 - state forces ousient accessible online stated on a
sever in l'anada: Records kept include student name, address, etc.
plus courses taken time meach module and quiz scores
11/2 110
Sponsor Representative Signature Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301 -1798

Richard E. Giani

Course Author

Basic Environmental Chemistry

Corrosion Control Treatment Optimization

Maintaining Water Quality in Distribution Systems

Professional experience

2003 - Present

District of Columbia Water & Sewer Authority

Washington, D C

Manager, Water Quality Division

Responsible for managing the District's Water quality Division, which includes oversight of 2 supervisor levels and 30 employees The Division includes the water quality monitoring program, conservation program, cross connection program, flushing program, emergency response and security monitoring. Primary responsibility is to insure high water quality is maintained throughout the District including reduction of elevated lead concentrations below EPA's action level. Also directed DC's technical drinking water team which was responsible for reducing lead levels in the District below EPA's action level

- Reduced the District's drinking water lead levels below EPA's action level
- Reduce the District's total coliform drinking water levels to below 0.5%
- Develop a water quality rapid emergency response program
- Develop a routine water quality monitoring program for schools and daycares

Major **Accomplishments**

1989 - 2003

Pennsylvania Department of Environmental Protection

Harrisburg, PA

Environmental Research Specialist

Responsible for conducting environmental research, managing state funded research projects, providing technical guidance and training to department staff, plant operators and environmental engineers

1989 - 1993

Pennsylvania Department of Environmental Resources

Stroudsburg, PA

Field Sanitarian

Environmental field inspector for the Commonwealth of Pennsylvania

Duties consisted of inspecting public water supplies, conducting drinking water field sampling and analysis, determine drinking water health threats and oversee compliance of water plant operations.

************	***************************************	ining Water Quality in Distribution	Systems Author: Rich Giani
	Course Modules	Module Sub-Headings	Typical Module Time
1		Introduction	1 25 Hrs
	System	What is a Distribution System?	
	Components	Distribution Components	
		Fire Hydrants	
		Valves	
		Meters	
		Storage Facilities	
	· a	Quiz – 10 Q	
2	Distribution Pipe	Distribution Pipe Integrity	1 25
	Integrity	Installing New Mains	
		Disinfecting New Water Mains	
		Example Calculation	
		Final Flushing and Dechlorination	
		Bacteriological Sampling	
		Disinfecting Main Breaks	
~		Quiz-10 Q	
3.	Reservoirs and	Reservoirs and Storage Tanks	1 25
	Storage Tanks	Reservoir Profile	
		Cleaning Tanks	
		Calculating Tank Volume	
		Disinfecting Tanks and Reservoirs	
		Bacteria Sampling of Tanks	
Я	Distribution Design	Quiz – 10 Q	
»e,	and Operations	Distribution Design and Operations Proper Main Sizing	1.0
	alta operations	Water Pressure	
		Pumping	
		Example calculations	
5	Routine	Routine Distribution Maintenance	1.5
	Distribution	Unidirectional Flushing	±
	Maintenance	Valve Operations	
		Hydrant Inspection	
		Backflow Prevention Assembly Testing	
		Cross connections	
		Leak Detection	
		Quiz – 10 Q	
6.	Assessing	Introduction	
	Distribution Water	Microbial Activity	
	Quality I	Disinfection Residual	
	Microbial and	Free Ammonia	
31	Disinfection	Nitrification (Nitrite/Nitrate)	
4.5	Вургоducts	Heterotrophic Plate Count (HPC)	
		Disinfection By-Products	
		Calculating Running Annual Average	
		Reduction of DBPs	
		Chlorine Residual	
2.11		Quiz – 10 Q	

7.	Assessing	Introduction	1 25
	Distribution Water	Corrosion Regulations	
	Quality II	Calcium Precipitation or Total Hardness/Calcium	
	Internal Corrosion	Hardness	
	and Metal	Measuring for calcium or magnesium precipitation	
	Precipitation	Orthophosphate/Total Phosphate	
	Primary	Silicates	
	Parameters	Total Dissolved Solids (TDS)	
		Quiz – 10 Q	
8.	Assessing	Internal Corrosion and Metal Precipitation Secondary	1 25
	Distribution Water	Parameters	
	Quality III	Iron	
	Internal Corrosion	Manganese	
	and Metal	Turbidity and Color (Apparent)	
	Precipitation	Aluminum	
	Secondary	Oxidation-Reduction Potential (ORP)	
	Parameters	Quiz = 10 Q	
9.	Water Quality in	Introduction	1.25
	Commercial	Flushing Taps in Commercial Buildings	
	Buildings	Water Coolers/Bubblers	
		Electrical grounding	
		Fire Systems	
		Heating and Cooling Systems	
		Private Distribution Mains	
		Quiz – 10 Q	
10.	Troubleshooting	Introduction	10
	Water Quality	"What's in my water?"	
	Complaints		
			Total = 12.5 hours



WVBPH OPERATOR TRAINING COURSE APPROVAL APPLICATION FORM

Course Content

Math Review	Basic math for operators
This application is for: Drinking Water Operators	Wastewater Operators V
Committee Commit	
(If you are applying for continuing education approval for d	
Has this course been previously approved for water or was	tewater continuing education by WVBPH:YES
If "yes", provide the WVBPH approval number(s) here have changed, sign and date it, and submit it along with a c	and complete all portions of this application copy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
in/a	# 18600
Lully need by other RWAS It is d	coloulations for determing size, d well calculations, horsepower fefficier, v Other (check all that apply) calculation examples, end-of-module genyes
References: WYRWA, Debbie Britt - 30 FRWA, Gary Williams 85 TEWA, Tom Duck 412-5 Course Evaluation: N/A	4-201-1689 3-668-2746
* Attach a course outline	
• •	_
	Date:

Sponsoring Organization Information

Sponsor Name: Sun Coast Learning Systems, Inc. Add 182 D. Larning Systems Inc.
Aggress: 1 N Zz F/M/M/M/M M M Setver 1/ The setver 1 N
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: Jerry & Suncoastlearning com
Suncoastlearning com
The type of the type and to mine contract
- Lower and Waste water
perulting enter the courses through the state rund
Description of record keeping: All student records are last through
The state of the s
sever in I ahada. Records kept include student name, address, etc.
plus courses taken time meach module and quiz scores
1/
Sponsor Representative Signature Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798

BIOGRAPHY

Phillip N. East

(Deceased)

Education Services Director

Kentucky Rural Water Association Author: Math Review

Phillip East served as the Education Services Director for KRWA from 1997 until January, 2006. Prior to coming to work as a Circuit Rider for the Kentucky Rural Water Association (KRWA) in September 1996, Phillip East served as Water Treatment Superintendent for the City of Franklin, Kentucky Before moving to Kentucky, Mr. East worked as Treatment Plant Operator for the Hendersonville Utility District in Hendersonville, Tennessee

Mr. East earned a Bachelor of Science Degree from the University of Texas at Austin and completed graduate work in Public Administration at South West Texas State University at San Marcos, Texas

Mr East has also worked for the City of Odessa, Texas and the City of Austin, Texas where he worked his way up through the ranks serving as Chemical and Filter Operator, Instrument Technician, Maintenance Mechanic Foreman, Chief Operator, Assistant Plant Superintendent, Plant Supervisor, and Plant Operations Supervisor In addition to having been a member of the Capital Area Water and Wastewater Association in Texas, the Texas Water Utilities Association, and the American Water Works Association, Mr. East held water treatment certification in Texas, Tennessee and Kentucky at the highest available technical levels

		Math Review	
	Course Modules	Module Sub-Headings	Typical Module
1.	Getting Started &	Getting Started and Math Intro	Time 5
	Math Intro	Getting Started	J
		Phillip East's 10-7-3 Problem Solving Method	
		The Methods	
		The Catch	
		7 Steps to Solving Math Problems	
		Problem Solving Tool	
		Problem Solving	
		No Quiz	
2.	Useful Water	Useful Water System Conversions	15
	System	Converting Cubic Feet to Gallons	
	Conversions	Converting Gallons to Cubic Feet	
		Converting MB to Gallons	
		Converting Gallons to MG	
		Converting Gallons to Liters	
		Converting Liters to Gallons	
		Converting Gallons to Milliliters	
		Converting Milliliters to Gallons	
		Converting Centigrade to Fahrenheit	
		Converting Fahrenheit to Centigrade	
		Ouiz	
3.	Area, Volume, and	Area, Volume, and Perimeter Calculations	1.5
	Perimeter	Problem 2-1: Perimeter	قي. يقد
	Calculations	Problem 2-2: Circumference	
		Problem 2-3: Area of Rectangle	
		Problem 2-4: Area of Circle	
		Problem 2-5: Area (Surface) of Sphere	
		Problem 2-6: Area of Triangle	
		Problem 2-7: Volume of Rectangular Tank or Basin	
		Problem 2-8: Volume of Circular Tank or Basin	
		Problem 2-9: Volume of Cone	
		Problem 2-10: Volume of Sphere	
4	Dosage, Dilutions	Dosage, Dilutions and Concentration Calculations	1.5
	and Concentration	Problem 2-11: Dosage (100% Pure)	
	Calculations	Problem 2-12: Dosage (<100% Pure)	
		Problem 2-13: Pounds of HTH to Make Hypochlorite	
		Solution	
		Problem 2-14: Diluted Bleach Solution	
		Problem 2-15: % Concentration Bleach Solution	
		Problem 2-16: % Concentration HTH Solution	
		Quiz	
5	Velocity, Flow, and	Velocity, Flow, and Detention Calculations	20
-cer il	Detention	Problem 2-17: Velocity	2.0
	Calculations	Problem 2-18: Flow Rate	
		Problem 2-19: Detention Time	
		Problem 2-20: Flow, Gallons Per Day	
		Quiz	
~~~~		<b>~~~~</b> 1 €	

A street of the second	r, Filter, and	Weir, Filter, and Well Calculations		2.0
Well	Calculations	Problem 2-21: Weir Loading		
		Problem 2-22: Weir Overflow Rate		
		Problem 2-23: Filter Loading Rate		
		Problem 2-24: Filter Backwash Rate		
		Problem 2-25: Well Yield		
		Problem 2-26: Drawdown		
		Problem 2-27: Specific Capacity		
		Problem 2-28: Specific Gravity		
		Problem 2-29: Head and Pressure		
7. Hors	epower and	Horsepower and Efficiency Calculations		2.0
	ency	Problem 2-30: Pumping Rate		
Calcu	ulations	Problem 2-31: Water Horsepower		
		Problem 2-32: Brake Horsepower		
		Problem 2-33: Motor Horsepower		
		Problem 2-34: Pump Efficiency, %		
		Problem 2-35: Motor Efficiency, %		
		Problem 2-36: Overall Efficiency, %		
		Problem 2-37: Wire-to-Water Efficiency, 9	<b>%</b>	
		Problem 2-38: KWH/1000 Gallons		
recruiement de la company	enter the entertain declarate de desire de constitue de constitue de constitue de constitue de constitue de co	Quiz		

# STATE OF WEST VIRGINIA Purchasing Division

### PURCHASING AFFIDAVIT

#### **VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

#### PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

#### ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

#### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

#### **CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name:	DUN COAST LEARNING	6 SYSTEMS, INC.
Authorized Signature:	An Usla	Date: 11/2/18
Purchasing Affidavit /Pavice	1 07 101 16 15 1	

WVBPH-Approved Courses
For Online Operator Training
RFP EHS90075
November 26, 2008
Copy 1 of 2



### Attachment 3

### **E-Training Bid Sheet**

Course Name	CEH Number	CEH Hours	Cost Per
			Student (\$)
Water Transmission and Distribution	CEH2007-074	10	\$180.00
Surface Water Treatment	CEH2007-075	10	\$180.00
Small Water Systems I	CEH2007-076	5	\$100.00
Small Water Systems II	CEH2007-077	10	\$180.00
Water Utility Safety	CEH2007-078	10	\$180.00
Water Utility Calculations	CEH2007-079	10	\$180.00
Chlorinator Systems and Chemical Handling	CEH2007-080	10	\$180.00
Pump and Motor Maintenance	CEH2007-081	10	\$180.00
Basic Environmental Chemistry	CEH2007-082	10	\$180.00
Practical Personnel Management	CEH2007-083	7	\$140.00
Introduction to Wastewater Processing	CEH2007-084	10	\$180.00
New courses submitted for approval			
Corrosion Control Treatment Optimization		12	\$215.00
Maintaining Water Quality in Distribution		12	\$215.00
Systems			
Math Review		10	\$180.00

Course Title: Water Transmission & Distribution	Topic: Drinking Water distribution system
This application is for: Drinking Water Operators	Wastewater Operators
(If you are applying for continuing education approval for d	rinking water and wastewater operators, mark both.)
	tewater continuing education by WVBPH: YES NO
If "yes", provide the WVBPH approval number(s) here (** F) have changed, sign and date it, and submit it along with a c	12067 - 074 and complete all portions of this application that copy of the previous application.
Date and Approximate Time:	Course Cost/Fee: #/80 oo
Objectives:	
Target Water Operator Classifications: I II II I\ Instructional Aids:	/ Other (check all that apply)
Instructional Approach:	
References:	
Course Evaluation:	
* Attach a course outline	

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
Address: 182 Panaciea Dr., Ste, 4 city/State/Zip: Demorest, GA 30535
Telephone: <u>706-839-1498</u> Fax: <u>706-754-1968</u> E-Mail: <u>jerry@</u> suncoastlearning.com
Mission or Business: Convert, develop & deliver quality online courses
for continuing education credit. Water and Wastewater
operators enter the courses through the state rural
Water association. All student records are kept through
a Learning Management System accessible online, stored on a
server in Canada. Records kept include student name, address, etc.
plus yourses taken, time in each module and quiz scores
1/4 Vitus 11/20/08
Sponsor Representative Signature Date
, , , , , , , , , , , , , , , , , , ,

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WVRWA

#### STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Ice Manchin III Governor

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt Executive Director WV Rurel Water Association 100 Young Street Scott Depot, WV 25560

RE:

WVBPH Operator Training Course Approval:

Water -- CEH2007-0074-083; Wastewater - WW2007-078-84

Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau. for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided.

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development

Environmental Engineering Division

RLW:emt

Attachment

Dawn Newell, WVBPH Mary Lowe, WVBPH

SHENGCOMONY & CD/capdevietters/CEH Approvate/2007/csh2007-074_083ltr dos

VIV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHWW No.		Approved	Rejected	Cura	Classes
Water	The Committee of the Co	<b>V Hammer</b>		}	
CET 2807-074 W	CEH2007-074 Water Transmission and Distribution	×	de Obervereichter de. in entstehen von eine der der der der der der der der der de	10.0	Al-I
CEH2007-075 Sc	CEH2007-075 Surface Water Treatment	×		10.0	7-1
SE 42007-076 SE	OE+2007-076   Small Water Systems	×	· uma (- den esta de la companya de	5.0	N-IV
CEH2007-077 St	CEH2007-077 Small Water Systems II	×		10.0	V
CEH2007-078 W	CEH2007-078 Water Utility Safety	×		10.0	71-1
CH207-079 W	CEHVIO7-1779 Water Utility Calculations	×		100	7I-1
2000 C	CEHONO - DW I Chormator Systems and Chemical Handling	×		00	
1200.081 D	CEHOWY-ORY IP-Iron and Motor Markenance	×		100	7-1-1
CEL2007-089 P	CEHONZ-182 Resident Chemistry	×		100	V-E-
CEH2007-083 Pr	CEH2007-083 Practical Personnel Management	X		7.0	N-i
Wastewater		phophaga 30%			
WW2007-078 W	WW2007-078 Water Unity Safety	>		10.0	
WW2007-079 W	WW2007-079 Water Utility Calculations	×		100	
WW2007-080 CI	WW2007-080   Chlorinator Systems and Chemical Handling	×		10.0	I
WW2007-081 PI	WW2007-081 Pump and Motor Maintenance	×		100	Ai-3
WW2007-082 BE	WW2007-082 Basic Environmental Chemistry	×		100	V-i-V
WW2007-083 Pr	WW2007-083  Practical Personnel Management	×		7.0	FIV
WWW.2007-084 In	WW/007-084 Introduction to Wastewater (Locates Acres Processing)	><		10.0	TIV

^{*} All courses are Florida Department of Environmental Protection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

encesses destablication and increases and established attendance and established and establish	Water Transmission and Distrib	ution	
Course Modules	Module Sub-Headings		Typical Module
1 Introduction to	Determining Water Efficiency		Time 2 0
Distribution Systems			ing the second of the second o
2. Problem Considerations for Pipes Used	Pipes Used in Water Systems		2.0
	Leaks and Leak Detection		
	Quiz		
3 Pipe Installation, Maintenance, and Repair Requirements	Pipe Installation, Maintenance, and Repair		15
	System Design Considerations		
	Trenching		
CONTRACTOR SULFACIONES PERSONALES SULFACIONES	Separation		
	Disinfection Requirements for New Water M	ains	
1.1 <u>28.2544</u> 023.approx <del>44.as</del> +1144001a.	Quiz	eeleee weekelijs to	. The state of the
4. Valves and Fire Hydrants in Water Distribution Systems	Valves		1.5
	Fire Hydrants	, n m n mn n 44 44 444	
	Quiz		
5. Water Storage, Tank	Hydropneumatic Tanks		1.5
Maintenance and			
Repairing Mains	Nagai kaing nagasakanan kananan kanan manan kanan nagasan nagasa ka	- 14949 B. 1000 B. 1555	
	Storage Reservoirs		
	Tank Maintenance and Inspection Requireme Requirements for Repairing Broken Water M		
	Ouiz	dIIIS	
6 Service Lines, Water	Service Lines and Water Meters		
Meters, and Basic Hydraulics			
	System Pressure and Basic Hydraulics		and the second of the second o
	Quiz		
	The state of the s	Total	10.0

Course Title: Surface Water Treatment	Topic:
This application is for: Drinking Water Operators	Treating drinking water from surface  Water Sources
(If you are applying for continuing education approval for continuing education educ	****
	stewater continuing education by WVBPH: VYES NO
	+-7057-07-5nd complete all partions of this amplication the
Date and Approximate Time:	Course Cost/Fee:
	\$180 GD
Objectives:	The second secon
Target Water Operator Classifications: I II III II	/ Other (check all that apply)
Instructional Aids:	
THE PROPERTY AND A PART AND THE PROPERTY AND A PART AND THE PROPERTY AND A PART AND A PA	The second of th
Instructional Approach:	
References:	
Course Evaluation:	
* Attach a course outline	
Attavii a coalge outilité	
	Date:

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untiedt
Address: 18 L Panaclea Dr Ste 4 City Control Down of Caraca
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: Jerry @ suncoastlearning com
suncoastlearning-com
Mission of Business: Convert, develop & Oletiver quality on line courses
Tor continuing education credit. Water and Waste water
operators enter the courses through the state runal
Water association.  Description of record keeping:  All student records are kept through
1 series on a start on a
server in Canada. Records kept include student name, address, etc.
plus courses taken time in each module and quiz scores
Sports of Representative Signature  11 20 08  Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WRWA

#### STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

loe Manchin III Governor

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt Executive Director WV Rural Water Association 100 Young Street Scott Depot, WV 25560

RE:

WVBPH Operator Training Course Approval:

Water -- CEH2007-0074-083; Wastewater - WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Éducation Hours (CEH) as detailed in the altached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emit

Attachment

DC:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SIENGCOMONV & CDIcapasviletters/CEM Approvate/2007/csh2007-074_C83ftr cod

Telephone: 304-558-2981

WV Rural Ler Association On-Line Courses
Approved September 17, 2007

CHAMM No.	William College Title	Approved	Rejected	CHIA	Classes
Water		ng Managaman		<u> </u>	-
CEH2007-074   Wate	CEH2007-074 Water Transmission and Distribution	×	de de la companya de	0.0	-12
2FH2007-075 Surfa	CEH2007-075 Surface Water Treatment	×		10.0	N-I-V
CEH2007-076 Small Water Systems	II Water Systems	×	degramma de agrama esta esta como de agrama de agr	0.0	145
CEH2007-077 Small Water Systems II	Water Systems I	×		TU.C	N-1
CEH2007-078 Water Utility Safety	er Ullity Safety	X	de de la compressión	100	
CEH2007-079 Wate	CEH2007-079 I Water Utility Calculations	×		O.O.	1-14
CEH2007-080 CHO	CEH2007-080   Chlorinator Systems and Chemical Haridling	×	appearance of the control of the con	10.0	7
2FH2007-081 Pum	CEHONO7-081 Pump and Motor Mantenance	×	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	10.0	N-1
CE15007-089 Rage	CEHON7-032 Basic Environmental Chemistry	×		100	N-I
CEH2007-083 Prac	CEH2007-083 Practical Personnel Management	×		7.0	-IV
Wastewater		d udjecja vale;			endra
WW2007-078 Weter Utility Safety	er Unity Safety	**************************************		000	
Ww2007-079 Wate	WW2007-079   Weter Littiffy Celculations	×		200	N. W. Y
WW2007-080 Chlo	WW2007-080   Chlorinator Systems and Chemical Handling	×		0.0	14
WW2007-081 Pum	WW2007-081 Pump and Motor Maintenance	×			7.7
WW2007-082 Eask	WW2007-082   Basic Environmental Chemistry	×		lo c	
WW2007-083 Prac	WW2007-083  Practical Personnel Management	×		2.0	
WIND BRO-TIMENTA	WW/2007-084 Introduction to Wastewater Character Character Processors	>		10.0	1-1-Y

^{*} All courses are Florida Dispartment of Environmental Protection approved Fionda Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

Course Modules	Module Sub-Headings	Typical Modul
1 Getting Started and Surface Water Sources	Surface Water Treatment Surface Waters for Drinking Water Sources Contaminants in Surface Waters	Time 1.5
2 Treatment of Surface Water	Quiz Chemical Treatment of Surface Water Surface Water pH Surface Water Bacteria Taste and Odor Control Ouiz	15
3. Coagulation and Flocculation	Types of Coagulants Coagulant Aids Removing Iron and Manganese Other Surface Water Problems Equipment Requirements Jar Testing	2.5
4 Alkalinity and ph Adjustment	Quiz Alkalinity and ph Adjustment with Lime Sedimentation	<b>[15</b> ]
5. Filtration	Filter Types Filter Parts Filter Operation Handling Disposal of Process Wastes Quiz	1.0
6 Disinfection	Types of Disinfectants Controlling Disinfection By-products Surface Water Rules Chemical Dosing Examples References	2.0

Course Title: Small Water Systems 1	Topic: Intro to small drinking water system
This application is for: Drinking Water Operators	Wastewater Operators
(If you are applying for continuing education approval for d	rinking water and wastewater operators, mark both.)
Has this course been previously approved for water or was	tewater continuing education by WVBPH:YESNO
if "yes", provide the WVBPH approval number(s) here <u>েধ</u> ৰ have changed, sign and date it, and submit it along with a c	2067-076 and complete all portions of this application that copy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
	\$ 100 00
Objectives:	
Target Water Operator Classifications: I II IV	Other (check all that apply)
Instructional Aids:	
The color of the c	
Instructional Approach;	
References:	
Course Evaluation:	
* Attach a course outline	
Auacii a course outime	
	Date:

***************************************	Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
	Address: 18 L Panacea Dr Ste 4 convenient Dage of CA as com
	Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: jerry@ suncoastlearning.com
	suncoastlearning com
	wission of Business: Convert, develop & obliver quality on line, courses
	tox continuing education credit. Water and Waste water
	operators enter the courses through the state rural
	Description of record keeping: All student records are kent through
-	accessible online stored on a
	server in Canada. Records kept include student name, address, etc.
_	plus gourses taken, time in each module and quiz scores
	11/20100
	Sponsor Representative Signature  Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301 -1798



#### STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

for Manchin III Governoe

September 17, 2007

Martha Yeager Walker Secretary

Debble Britt Executive Director WV Rurel Water Association 100 Young Street Scott Depot, WV 25560

RE

WV8PH Operator Training Course Approval:

Water -- CEH2007-0074-083; Wastewater - WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided.

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747

Richard L. Walson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emt

Attachment

Dawn Newell, WVBPH Mary Lowe WVBPH

SIENGCOMONV & CDIcappeviletters/CEH Approvals/2007/csf 2007/074_083ft pop

Telephone: 304-558-2981

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHMM No.	Course Title	Approved	Rejected	OUT.	Classes
Mater	A COMPANY OF THE PROPERTY OF T			)	
IEW/ 1007-074 Wat	CEH2007-074 Water Transmission and Distribution	×	And an arrangement and with Appendix with Appendix and an administration of the Appendix and Appendix and Applications of the Application of the A	70.0	A[-]
3E12007-075 ISM	CEH2007-075 Surface Water Treatment	×		10.0	A.
CEH2007-076 Small Water Systems	all Water Systems			5.0	VI-IV
SE-2007-077 Sm	CEH2007-077 Small Water Systems II	×		10.0	N-I
CEH2007-078 Water Willy Safety	ter Hilly Safety	×		10.0	N-15
	CELIFORT TO Mater Hilly Calculations	×		10.0	-iv
できるころう	CEHONO - 1/30 Chornator Systems and Chemical Handling	×		0.0	A.
	CEHSW97-DRI Primo and Motor Markenance	×		100	-IV
CH12/27/182 1848	OFFICIAL PARC Fovermental Clemistry	×		10 n	71-i
CEH2007-083 Pra	CEH2007-083 Practical Personnel Management	X		7.0	7.1V
Wastewater		eryeleta elli.			-
WW2007-078 Water Utility Safety	iter Unity Safety	>	AND THE PROPERTY OF THE PROPER	10.0	
WW2007-079 Wa	WW2007-079 Water Utility Calculations	×	The state of the s	100	V
WW2007-080 Chl	WW2007-080 Chlorinator Systems and Chemical Handling	×		10.0	I
WW2007-081 Pur	WW2007-081 Pump and Motor Maintenance	×		100	1-1V
WW2007-082 Bas	WW2007-082 Basic Environmental Chemistry	×		100	N-IV
WW2007-063  Pra	WW2007-063  Practical Personnel Management	×		7.0	
WWW2007-084 Intr	WW2007-084 Introduction to Wastewater (Line Stouten Processing)	×		10.0	7

^{*} All courses are Florida Department of Environmental Protection approved Flonda Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

***************************************	**************************************	Small Water Systems 1	
*****	Course Modules	Module Sub-Headings	Typical Module
			Time
1	Small Water	Getting Started	1.0
	Systems 1	Purpose and Scope	
		Introduction to Water Treatment	
		Quiz	
2	Drinking Water	The Hydrological Cycle	1.0
11.	Sources	Hydrological Source Considerations	
		Ground Water	
3.		Surface Water	
		Quality Of Water	
137		Microbial Contaminants in Water	
		Minerals in Ground Water Sources	
		Treatment of Source Waters	
		Organic Material Effect on Disinfection Process	
2.3		Quiz	
3.	Safe Drinking Water	Primary and Secondary Drinking Water Regulations	20
	Act	Applicability of Safe Drinking Water Act	
		Monitoring Requirements for PWS	
		Disinfection Requirements	
		Microbiological Monitoring Requirements	
		Reporting Requirements for PWS that Exceed MCL's	
		Required Monitoring Reports	
		Consumer Confidence Reports	
		Sanitary Survey Requirements	
		Quiz	
4	Well Requirements	Well Construction	10
		Well Pumps	
		Well System Parts	
		Well Maintenance Problems	
		Well Disinfection	
		Well Siting Requirements	
		Well Abandonment Requirements	
		Well Head Protection	
		Quiz	
5	Water Storage	Water Storage Systems	1.5
	Systems	Gravity Water Storage Tanks	±.5
	-,	Sanitary Risks at Storage Tanks	
		Requirements for Placing Tanks in Service	
		Hydropneumatic Tanks	
		Quiz	
6	Chlorination and	Chlorine Water Treatment Systems	
	Disinfection	Hypochlorination	
		Chlorine Safety	
		Alternative Disinfectants	
		Quiz	

Course Title:	Topic:
Small Water Systems 11	Advanced course in smalldrinking water Systems
This application is for: Drinking Water Operators	Wastewater Operators
(If you are applying for continuing education approval for	drinking water and wastewater operators, mark both.)
	stewater continuing education by WVBPH: VES NO
	1-2067-077 and complete all postions of this multiposition the
Date and Approximate Time:	Course Cost/Fee:
	#18000
Objectives:	Appear to the contract of the
Target Water Operator Classifications:	V Other (check all that apply)
Instructional Aids:	The state of the s
Instructional Approach:	
mstructional Approach,	
	With register \$1 1 makes a plant of the Confession of the Confessi
References:	
Course Evaluation:	
* Attach a course outline	
	Datas

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Unitedt
Address: 18 L Panagea Dr Ste 4 company Draw of Ga as so
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: jerry@ suncoastlearning.com
Mission or Business: (1 myest days lead of life and 1)
Mission or Business: Convert, develop & deliver quality on line courses for continuing education credit. Water and Waste water
operators enter the courses through the state rural
Water association, All student records are kept through
accessible online stored on a
server in Canada. Records kept include student name, address, etc.
plus coperses taken, time in each module and quiz scores
Sponsor Representative Signature    1   Zo   B     Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WRWA

#### STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

for Manchin III Governor

September 17, 2007

Martha Yeazer Walker Secretary

Debble Britt Executive Director WV Rurel Water Association 100 Young Street Scott Depot, WV 25560

RE.

WVBPH Operator Training Course Approval:

Water -- CEH2007-0074-083: Wastewater - WW2007-073-84

Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emt

Attachment

Dawn Newell WVBPH Mary Lowe WVBPH

SI/ENGCOMONY & CDIcapasylletters/CEH Approvats/2007/09/2007/074_083ft cost

Telephone: 304-558-2981

WV Rural Liter Association On-Line Courses Approved September 17, 2007

CENTAN No.	Course Title	Approved	Rejected	CEH	Classes
Mate:				)	
JEH2007-074 V	CEH2007-074 Water Transmission and Distribution	×	A CONTRACTOR OF THE PROPERTY O	10.0	AF-1
XH2007-075 (S	CEHZIO7-075 Surface Water Treatment	×		10.0	Al-
3.940-4662 ⁴ 型C	CEH2007-076 Small Water Systems I	×	Anna Parketina, Anna Anna Anna Anna Anna Anna Anna A	5.0	N-IV
2E-2007-077 6	CEH2007-077 Small Water Systems II	×	Carlo	10.0	
"EH2007-078 V	CEH2007-078 Water Utility Safety	×		10.0	71-17
3EH2007-079 V	CEH9/107-079 I Water Littley Calculations	×		10.0	AI-I
7E42007-080 0	CFH2007-080   Chorinator Systems and Chemical Handling	×		10.0	AF:
H12827681 H	CEH2007-081 Pump and Motor Mantenance	×		100	1-5
THE 2007-082 F	CEHONO-189 Resident Chemistry	<b>~</b>		100	N.
SEH2007-083 F	CEH2007-083 Practical Personnel Management	X		7.0	VI
Wastewater		Property Colonia			-
MW2007-078 N	WW2007-078 Water Utility Safety	×		0.0	1-14
NVV2007-079 V	WW2007-079 Water Utility Calculations	×		100	- V
WW2007-080 (	WW2007-080   Chlorinator Systems and Chemical Handling	×		10.0	Z
WW2007-081 F	WW2007-081 Pump and Motor Maintenance	X		100	A-1-
MAN 2007-082 E	WW2007-082 Basic Environmental Chemistry	×		100	7-14
WW2007-083 F	WW2007-063  Practical Personnel Management	×		7.0	1
WW.2007-084	WW/2007-084 Introduction to Wastewater (wastewater fraces Processors)	×		10.0	71-1

All courses are Florida Department of Environmental Protection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

bayeses		Small Water Systems 2	
	Course Modules	Module Sub-Headings	Typical Module
			Time
1.	Small Water	Filtration	1.0
	Systems	Types of Filters	
		Precoat	
		Body Feed	
		Filtration in Diatomaceous Earth Filtration Systems	
		Backwashing Diatomaceous Earth Filtration Systems	
		Common Problems in Filter Systems	
		Quiz	
2.	Demineralization	Type of Demineralized Water Treatment Processes	2.0
		Reverse Osmosis	
		Increasing Flux	
		Reverse Osmosis Issues	
		Other Processes	
		Quiz	
3	Coagulation and	Coagulant Chemicals	1.0
	Flocculation	Primary Coagulants	π.υ
		Polymers	
		Coagulation Process	
		Factors Affecting Coagulation	
		Jar Test	
		Flocculation	
		Quiz	
4	Sedimentation	Sedimentation Process	40 -
		Types of Sedimentation	4.6
		Short Circuiting in Sedimentation Tanks	
		Ouiz	
5	Aeration	Use of Aeration in the Water Treatment Process	
	712. WHO!!	Algal Problems in Aeration Systems	1.0
		Removal of Hydrogen Sulfide	
		Categories of Aerators	
		Removal of Sulfide	
		Quiz	
5	Stabilization	Water Stabilization	Alle dennes e la Significació de la companya de la
9,	Jiavnikativii		1.0
		pH Adjustment Stabilization	
		Protective Coating Stabilization	
		Chemical Binding Stabilization	
		pH Chemistry & Lime Alkalinity Adjustment	
		LanglierIndex	
		Marble Test	
		Chelation	
		Sequestration	
		Controlled CaCo3 Scaling	
		Other Chemical Protective Coatings	
H.		Stabilization Chemistry	
		pH Altering Water Treatment Chemicals	
		Equivalents of Acids and Bases	
:::		Car Quiz	
7	Softening	Water Hardness and Softening	75
		Water Softening Terminology	
		Alkalinity	
		Alkalinity Reactions	
		Recarbonation	
		Quiz	

************	Course Module	Module Sub-Headings	Module Time
8.	Compliance and	Stage 1 DBP Rule Application	1 5
	Disinfectant by-	Disinfectant By-product Formation	
	product rule	Identification of Natural Organic Material	
		Trihalomthenes and Haloacetic Acids	
		Treatment Methods to Remove DBP's	
		DBP and Chlorination Considerations	
		DBP & Disinfection Residual Health Impact	
		MCL's for Disinfection Byproducts & Residuals	
		Enhanced Coagulation and Softening	
		Timetable for Meeting DBP Rule	
		Pathogen Requirements	a i i i a cara i distributa da 1. 114. Na indiana da mai da 1.
		Performance Standards for Pathogen Removal	
		Determining Microbial Deactivation Potential	
		Determining Contact Times for Disinfection Profiles	
		Inactivation Tables for Girardia and Viruses	
		Determine Plant Disinfection Profile and Benchmark	
		Use of Plant Disinfection and Benchmark	
		Quiz	
9	Centrifugal Pump	Maintenance Considerations	1 25
	Maintenance	Pump Construction	
		Pump Sizing	
		Pump Curves	
		Impeller Design	
		Pump Changes	
		Centrifugal Pump Scheduled Maintenance Programs	
		Pump Lubrication	
		Pump Packing Maintenance Considerations	
		Mechanical Seals	
		Preventive Maintenance Program	
		Pump Motors	
		Pumps for Special Applications	
		Positive Displacement Pumps	
	· · · · · · · · · · · · · · · · · · ·	Quiz	
10.	Cross-Connection	Cross-Connections	5
	and Backflow	Primary Purpose of Cross-Connection Programs	
	Prevention	Application and Reliability of Backflow Devices	
		Components of Successful Programs	
		Quiz	
11.	Water Plant	Matter	5
	Operator Basic	Pure Elements	
	Chemistry	Compounds	
		Mixtures	
		Ionization	
		Neutralization	
	Note to the recognition of the measure of a	Quiz	
12	Water Plant	Water Conversion Factors	10
	Operators Math	Calculating Areas and Volumes	
		Flow, Volume, and Pumping Rate Relationships	
		Chemical Dosing	
		Determining Detention and Contact Times	
171	사는 사무한테 어제대 바다 눈을 받다	The Quiz with the sales and the Philadel Robbins and the Control of the Control o	

Course Title:	Topic:
Water Utility Safety	Safety rules, regulations
This application is for: Drinking Water Operators	Wastewater Operators
(If you are applying for continuing education approval for di	inking water and wastewater operators, mark both.)
Has this course been previously approved for water or wast	ewater continuing education by WVBPH: YESNO
If "yes", provide the WVBPH approval number(s) here (LEH) have changed, sign and date it, and submit it along with a co	2667-078 and complete all portions of this application that opy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
	# 18000
Objectives:	
Target Water Operator Classifications: I II IV	Other (check all that apply)
Instructional Aids:	
Instructional Approach:	
References:	
Course Evaluation:	
* Attach a course outline	
- The control of the	D-4-

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untreat
Address: 182 Panaclea Dr Ste 4 Chulototalia Daniet Ca accam
Telephone: 106-839-1498 Fax: 706-754-1968 E-Mail: jerry@ suncoastlearning.com
suncoastlearning com
mission of Business: Convert, develop & deliver quality on line, courses
tor continuing education credit. Water and Waste water
operators enter the courses through the state rural
Description of record keeping: All student records are kent through
accessible online stated on a
server in Canada. Records kept include student name, address, etc.
plus courses taken, time in each module and quiz scores
Sponsor Representative Signature Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301 -1798



WRWA

# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

foe Manchin III Governor

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt
Executive Director
WV Rural Water Association
100 Young Street
Scott Depot, WV 25550

RE:

WVBPH Operator Training Course Approval:

Water -- CÉH2007-0074-083; Wastewater -- WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747.

Sincerely.

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emt

Attachment

pc:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SIGNGCOMONY & CDicappseviletters/CEH Approvals/2007/cet 2007/074_083ltricap

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

COLFASA NO.	Course life	Approved	Kejected	CTTO	Classes
Mater		<b>4.</b> Manual Control of the Control o		) ) )	
CE42007-074	CEH2007-074 Water Transmission and Distribution	×		10,0	N1
2H-12007-075	CE12007-075 Surface Water Treatment	×		10.0	AI-I
36-7002-13C	OF-12007-076 Small Water Systems	×		5.0	-14
751-2007-077	CFH2007-077 Small Water Systems II	×	A MARKATTAN AND THE PROPERTY OF THE PROPERTY O	10.0	×
CEH2007-078	CEH2007-078 Water Hilly Safety	×		10,0	Z-S
2007.070 2007.070	CHANGE TO WHAT HER CHANGES	×		100	N-1-1
	CHANGED ON Chorinator Systems and Chemical Handling	×		10.0	-
180728CH3C	CEH2002-081 Prime and Mater Mantenance	×		100	N-15
CEH2007-082	CFH2007-082 Resid Environmental Chemistry	×		100	AI-!
CEH2007-083	CEH2007-083 Practical Personnel Management	X		7.0	Nr:
Wastewater		hy dpa.m.	- er -	) }	
WW2007-078	WW2007-078 Water Utility Safety	×	The second secon	0.0	J-K
WW2007-079	Water Utility Calculations	X	And the second s	100	V
WW2907-080	Chlorinator Systems and Chemical Handling	×		10.0	Z Z
WW2007-081	Pump and Motor Maintenance	×		00	VI-I
MW2007-082	WW2007-082 Basic Environmental Chemistry	×		100	7-iV
4640007-083	MANDOT-083   Practical Personnel Management	×		7.0	N-1-IV
MANUSANT 184	WAY AND JORA lintroduction to Westewater (wester true Processing)	×		10.0	Vi-iV

^{*} All courses are Florida Department of Environmental Frotection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

	Water Utility Safety	
Course Modules	Module Sub-Headings	Typical Module Time
1. Preventing Injuries	Accident Causes	1.0
	Safety Program Controls	
	Accident Investigation	
	Employee Participation	
	Safety Audits	
2 Personal Protective	Types of PPE	
Equipment	Head, eye, ear, face, hand, respiratory	
	Inspection and Maintenance	
	Summary	
3. Back Safety	Anatomy of a back	1.0
	Causes of Back Pain	
	Back Mechanics	
	Maintaining Back Health	
	Preventing Injury	
4 Hazard	Hazard Communication Act	1.5
Communication and	Material Safety Data Sheets	
Chemical Safety	Container Labels	
	Exceptions	
	Employee Education and Training	
	Chemical Safety	
	Task Evaluation	
	Chemical Storage	
	Incompatible Chemicals	
	Chemical Container Labels	
	Housekeeping	
	Emergencies and Spills	
5. Laboratory Safety	OSHA Standard	1.0
	Employee Exposure Assessments	
	Chemical Hygiene Plan	
	<b>Employee Training and Information</b>	
	Medical Consultation and Examination	
	General Guidelines	
	Lab Emergencies	
CONTRA SE ESSECUCION CONTRADA LA LA CA	Waste Disposal Program	
Biological Hazards	Rules of Entry	5
	Protection	
	Summary	
Confined Space	What is Confined Space?	1.0
afety	To Enter of Not to Enter?	
	Written Permit Space Entry Program	
	The Entry Team	
	Safe Entry – Three Step Process	
	Recognition	
	<b>Evaluation, Testing and Monitoring</b>	
	Rescue	
	Review	

8 Emergency	Emergency Action Plan	10
Response	Communication	
	Training	
	Responding to a Medical Emergency	
	Fire Extinguisher Use	
9. Electrical Safety	Electrical Hazards	1.0
	Working with Electricity Safely	
	Improving Employee Safety	
	Lockout/Tagout Procedures	
	Electrical Accidents	
10. Trench Safety	The OSHA Standard	1.0
	Before Digging	
	During the Dig	
	Before Employees Enter	
	Soil Characteristics	
	Entry and Exit	
	Atmospheric Conditions	
	Water Accumulation	
	Protective Systems	
	On-The Job	
	Installation and Use of Protective Systems	
	Sloping and Benching	
	Shoring	
	Shleiding	
	Daily Inspection	
	Fall Protection	
	Additional Considerations	
	Completion of the Job	
	Trenching Accidents	
11 Work Zone Safety	Hazards	5
•	Five Areas of a Work Zone	
	Flaggers	
	Flagger Control Methods	

	Date:
* Attach a course outline	
Course Evaluation:	
References:	The section of all deficiency departments of the section of the se
	All the same of th
Instructional Approach:	
Instructional Aids:	Torrow all that apply)
Target Water Operator Classifications: I II IV	Other (check all that apply)
Objectives:	
	#18000
Date and Approximate Time:	Course Cost/Fee:
if "yes", provide the WVBPH approval number(s) here $\[ \underline{CEH2} \]$ have changed, sign and date it, and submit it along with a co	$\underline{667-67}$ and complete all portions of this application that opy of the previous application.
Has this course been previously approved for water or wast	· · · · · · · · · · · · · · · · · · ·
(If you are applying for continuing education approval for dr	
This application is for: Drinking Water Operators	Wastewater Operators / applications
Water Utility Calculation	Math for Water & Wastewater Wastewater Operators / applications
Course Title:	Topic:

· · · · · · · · · · · · · · · · · · ·	
Sponsor Name: Sun Coast Learning Systems, I	epresentative: Jerry 1) nto at
Address: 18 L Panacea Dr. Ste, 4 City/State/7in	· Demorart On account
Telephone: 706-839-1498 Fax: 706-754-19	168 E-Mail: ierru@
	suncoastlearning com
Mission or Business: Convert, develop & deliver au	ality online courses
In commung education credit. Wa	cter and Waste water
operators enter the courses through	sh the state rural
Description of record keeping: All student re	ecords are kent through
acces	sible online, stored and
server in Canada. Records kept include s	tudent name, address, etc.
plus courses taken, time in each mo	
	11/20/08
Sponsor Representative Signature	Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WEWA

# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

loe Manchin III Governor

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt
Executive Director
WV Rure! Water Association
100 Young Street
Scott Depot, WV 25560

RE:

WV8PH Operator Training Course Approval:

Water -- CEH2007-0074-083; Wastewater -- WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747.

Sincerely,

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emt

Attachment

DC:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SIGNGCOMON: 5 CD/capaeviletters/CEH Approvatio/2007/cst 2007/074_083fb cod

WV Rural ... ter Association On-Line Courses Approved September 17, 2007

CEHNWN No.		Approved	Rejected	CEHe	Classes
Water		O Production of the Control of the C		)	
CEM2007-074 N	CEH2007-074 Water Transmission and Distribution	×		10.0	AI-I
CEH2007-075 K	CEH2007-075 Surface Water Treatment	×		10.0	A-I
CE1-2007-07616	CE 12007-076   Small Water Systems	×		50	
77707430 77707430	CEH2007-077 Small Water Systems II	×		10.0	N-IV
CEH2007-078 N	CFH2007-078 Water Utility Safety	×		10.0	ZI-IV
CFH2007-079	CSH9/107-079 Water Utility Calculations	×		10.0	N-I
CE17007-080 (	CEH2007-080 Chorinator Systems and Chemical Handling	×		10.0	7
1.99.683.13	CEH2007-081 Pump and Motor Membenance	× ******		100	1-5
CFH2007-082 II	CEH2007-082 Basic Environmental Chemistry	~··		10.0	71-1
CEH2007-083	CEH2007-083 Practical Personnel Management	×		7.0	1-10
Wastewater		photos alic.			
WW2007-078	Water Utility Salety	×		0.0	7-1-4
WW2007-079 N	WW2007-079 Water Utility Calculations	×		100	
WW2007-080 (	WW2007-080   Chlorinator Systems and Chemical Handling	×		10.0	AFI
WW2007-081 F	WW2007-081 Pump and Motor Maintenance	×		10.0	NI.
WW2007-082	WW2007-082 Basic Environmental Chemistry	×		100	-iX
WW2007-083	WW2007-083 Practical Personnel Management	×	The state of the s	7.0	1-14
WW.2007-084	WW2007-084 Introduction to Wastewater (Line Stellinger Processing)	×		10.0	TV

^{*} All courses are Florida Department of Environmental Protection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

	Water Utility Calculations	
Course Modul	es Module Sub-Headings	Typical Module
		Time
1. Getting Starte	/	40
	Getting Started	
	Course Objectives	
	Calculator Challenge	
	Examples	
2. Conversions	Quiz	Partition was walked at the constant of the con
2. Conversions	Conversions	75
	Example 1	
	Example 2	
	Example 3	
	Example 4	
	Example 5	
	Example 6	
	Quiz	
3. Surface Area	Surface Area	.5
	Rectangles	
	Circles	
	Triangles	
	Trapezoids	
	Combines Shapes	
	Quiz	
I. Volumes	Volumes	.75
	Capacity	
	Quiz	
Solving for the		1.5
Unknown	Solving for the "X"	
	Application	
	X^2 Problems	
	Application	
	Advanced Problems	
Midnera - Maniferna - A.	Quiz	
Solving Word	Solving Word Problems	75
Problems	Using Formulas	
	Quiz	
Velocity	Velocity	.5
E Piroreggen (d. 1811 U.Streeter a. a.u.)	Quiz	±
l. Flow	Flow	1.5
	Flow Conversions	
	Quiz	
Detention Time		1.75
	Sludge Age	
	Quiz	

10, Loading	Loading Calculations	***************************************	1 75
Calculations	Water Loading Calculations		
	Solid Loading Calculations		
	Hydraulic Loading Rate Calculations		
	Surface Loading		
	Filtration Rates		
	Backwash Rates		
	Weir Overflow Rates		
	F/M Ratios		
	Digester Loading Rates		
	Population Loading		
	Population Equivalent		
	Quiz		
11. Efficiency/Percent	Efficiency/Percent Calculations		1 25
Calculations	Removal Efficiency		
	Percent Solids		
	Pump and Motor Efficiencies		
	Pumping Calculations		
	Quiz		
12. Conversion Factors	Conversion Factors		75
	Useful Equations		
	Summary of Formulas		
		Total Hours	12.15

Course Title:	Topic:
Chlorinator Systems & Chemical Handling	Chemicals related to drinking
This application is for: Drinking Water Operators	Chemicals related to drinking water & Wastewater Wastewater Operators V
(if you are applying for continuing education approval for di	rinking water and wastewater operators, mark both.)
Has this course been previously approved for water or wast	ewater continuing education by WVBPH: VES NO
If "yes", provide the WVBPH approval number(s) here The have changed, sign and date it, and submit it along with a continuous contin	2067- DSO and complete all portions of this application that opy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
, .	\$ 18000
Objectives:	
Target Water Operator Classifications: I II IV	Other (check all that apply)
Instructional Aids:	
Instructional Approach:	
	THE PARTY OF THE P
References:	
Course Evaluation:	
Composition in the composition of the composition o	
* Attach a course outline	
	Date:

	Sponsor Name: SunCoast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
	Address: 182 Panacea Dr. Ste, 4 Chulstotolini Domaract Cal 2000
	Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: jerry @ suncoastlearning com
	suncoastlearning com
	Mission or Business: Convert, develop & deliver quality on line courses
	tor continuing education credit. Water and Waste water
	operators enter the courses through the state rural
	Description of record keeping: All student records are kent through
	accessible online stored on a
	server in Canada. Records kept include student name, address, etc.
	plus confrses taken, time in each module and quiz scores
-	1/10/10/
	Sponsor Representative Signature Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301 -1798



W/REA

# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

for Manchin III
Governor

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt
Executive Director
WV Rural Water Association
100 Young Street
Scott Depot, WV 25560

RE

WVBPH Operator Training Course Approval:

Water -- CÉH2007-0074-083; Wastewater -- WW2007-078-84

Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747.

Sincerely.

Richard L. Walson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:em

Attachment

pc:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SHENGCOMONY & CDIcapprevietters/CEH Approvate/2007/ost 2007/074_083th que

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHNIN No.	Course Title	Approved	Rejected	CELTE	Classes
Water .		on the same for		)	
CEH2007-074 Water Transmission and Distribution	n and Distribution	×	Andrewson in a material designation of the control	100	A[-1
CEH2007-075 Surface Water Treatment	ATTOR	×		10.0	-12
CEH2007-076 Small Water Systems	The state of the s	×	And the country of th	5.0	
CEH2007-077 Small Water Systems II	The state of the s	X		10.0	7
CFH2007-078 Water Utility Safety		×	A STANSON THE TAXABLE WAS A STANSON THE TAXABLE TAXABLE THE TAXABLE TAXABLE TAXABLE TAXABLE TAXABBE TAXABBE TAXABLE TAXABBE TAXABB	10.0	AI-1
CEH2007-079 Water Utility Calculations	alions	×		10.0	Al-i
CEH2007-090 Chornator Systems and Chemical Handling	s and Chemical Handling	×		0.0	VIII.
CEHOON JOB! Prime and Meter Markenance	erienance	×		100	N-1-1
CENSOR SET THE STANDARD CHEMISTON	a Clemstv	×		10.0	A1-3
CEH2007-083 Practical Personnel Management	Management	×		7.0	Vri
Wastewater		or orlanda NA, a			
WW2007-078 Weter Utility Safety			A STATE OF THE STA	0.0	-14
WW2007-079 Water Utility Calculations	38015	And the second s	and the second supplication of the second se	100	7.1
WW2007-080   Chlorinator Systems and Chemical Handling	s and Chemical Handling	×		10.0	ZF.
WW2007-081 Pump and Motor Maintenance	fantonance	X		000	N-1
WW2007-082 Basic Environmental Chemistry	al Chemistry	×		100	-14
WW2007-063  Practical Personnel Management	Management	A STATE OF THE PERSON OF THE P	merry receipt of therefore representation of the remainder, and therefore the contract of the reservoir and the second	/.0	- 1-1V
WW2007-084 Introduction to Wastewater Cura stources	Stowator (Washer Stocks Str.)	<b>&gt;</b>		10.0	T IV

^{*} All courses are Florida Department of Environmental Frotection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

Chlorinator	Maintenance	and	Chemical	Handling
Anna 1 to man 2 to 2 the first of select	14141116-1101116-	FG 3 F #*C	#11 #1111 # C11	ROHAMIC

	Course Modules	Module Sub-Headings	Typical Module
1	n e l'Algricon (e) l'altre des L'Octobre of		Time
7	History of Chlorination and	Wastewater Treatment	75
	Chloramination	Water Treatment	
	Chioramination	Filtration	
		Disinfection	
		Chlorination and Chloramination	
		Regulations	
	FREE STORY OF THE STORY AND AN AND STORY OF THE STORY	Quiz	
2	Chemical Handling	Training	15
	and Safety	Labeling	
		Chlorine	
		Chemical Handling	
		Shipping	
		Handling	
		Regulations	
		Health Effects	
		Chlorine Gas	
		Liquid Chlorine	
		Calcium Hypochlorite	
		Sodium Hypochlorite	
		Ammonia	
		PPE – Additional Safety Equipment	
		Eyewash and Emergency Shower	
		Gas Detection Equipment	
		Emergency Kits	
711		First Aid	
		Regulations	
		Risk Management Plan	
		Definitions	
		Program 1, 2, or 3?	
11.50		the third the terminal and the terminal	
4111		Program Components	
		Other Requirements	
		Chlorine Emergencies	
14234		Maintenance Problem Release	
		Emergency Response	
		Reportable Quantities	
		Quiz	
3	Physical and	Chlorine Gas	15
	Chemical Properties	Physical Properties	
	of Disinfectants	Chemical Properties	
		Ammonía	
		Physical Properties	
		Chemical Properties	
		Hypochlorite Compounds	
		Sodium Hypochlorite	

Physical and Chemical Properties Chlorine Dioxide of Disinfectants continued Physical Characteristics Chemical Characteristics Chlorine and Water Oxidation Reactions Substitution Reactions Disinfection Quiz 4 Process Types of residual Residual Advantages and Disadvantages Applications Residual Testing **DPD** Ferrous titration **DPD Colormeteric** Amperometric titration Breakpoint Phenominum CT Disinfection Concept Disinfection By-Products Regulatory Requirements Disinfection Residual Disinfection By-Products Quiz System Types How it works 10 Pressure Piping System Connections Chlorinator Ancillary Equipment Vacuum Systems Remote Vacuum Regulator System Pressure Piping System Connections **Ancillary Equipment** Automatic Switchover Remote Vacuum System Vacuum Piping System Connections Chlorinator **Ancillary Equipment** Liquid System Liquid Piping System Connections Evaporator Chlorinator **Ancillary Equipment** Withdrawal Rates Gas withdrawal **Pressure Systems** Vacuum Systems Liquid Withdrawal Regulations Water Treatment Wastewater Treatment Quiz

	****	
6	Injectors /Ejectors	Vacuum Generator 1.0
		Supply GPM
		Throat
		Tailway
- 144		Gas Mixer
		<u>하다면 하면 되는 경우를 하다 하다는 것은 것이 되었다. 그는 것이 없는 것이 없다. 그는 것이 없는 것이 없는 것이 없다</u>
1111		Injector/Ejector Operation
1171		Injector Installation
1 11.17		Local Installation
		Remote Installation
- 11.		Chemical Induction Units
- 31:		
1.175		Injector Problems
		Pressure differential
3.4		Wear
- 6.55		Buildup
. 289		Troubleshooting
5400		
		Quiz
7	Containers and	Container Types 75
	Connections	100 lb / 150 lb Cylinders
		Ton Containers
		Determining Chlorine Usage
		Valves
		Connections
		Change Out procedures for Pressure Systems,
		Remote Vacuum Systems, Cylinder-Mounted
		Systems, and Liquid Systems
		, , , , , , , , , , , , , , , , , , , ,
	JACO WOOD WOOD IN	
8	Gas Chlorinators	Components and Functions 1 25
	and Switchovers	Components
		Functions and Composition
		Capital Controls 200
		Normal Operation
		Failure of the Inlet Valve
		dani mereke kanggangangan minungan mengangan dan di Manggangan dan panggan dan panggan dan di Kalanda Salanda d
		Depleted Gas Source
		Regal
		Normal Operation
		Failure of the Inlet Valve
		Wallace and Tiernan S10k Vacuum Chlorinator
		Functions
		Normal Operation
		Failure of Secondary Valve
		Normal Operation
-416		Failure of Inlet Valve
		Automatic Switchover Devices
		etekta kantuuruurin serreteen allemat 1900 till tuutuuri serakkeen kuleen E. V. vuuluu vuuluun keen keen kuulu
		Wallace and Tiernan Automatic Switchover
		Devices
		Components and Functions of Old Style Unit
-513		Operation
		Components and Function of 510S Unit
		and an amount of the witter and accompany and a facility of the first
###.		Capital Controls Automatic Switchover Device

9. Maintenance and	Periodic Performance Checks	.75
Troubleshooting	Periodic Cleaning	
	Periodic Preventive Maintenance	
	Troubleshooting	
	Quìz	
10 Chlorination Math	Chlorination Calculations	置基置數學者是第 <b>75</b> 年2月日
	Dosage, Demand, Residual	
	Pounds of Pure Chlorine	
	Pounds of Hypochlorite	
	Chlorine Concentration	
	Feed Pump Systems	
	Determine the Dosage	
	Feed Pump Rates	
	Practice Problems	
	Quiz	
	The second secon	Total 10.5

- Harrison	
Course Title:	Topic:
Pump 3 Motor Maintenance	Pumps & motors in water & wastewate
This application is for: Drinking Water Operators	Wastewater Operators
(If you are applying for continuing education approval for dr	inking water and wastewater operators, mark both.)
Has this course been previously approved for water or wast	ewater continuing education by WVBPH: VES NO
If "yes", provide the WVBPH approval number(s) herecett 2 have changed, sign and date it, and submit it along with a co	007-08/ and complete all portions of this application that opy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
	\$1800
Objectives:	
Objectives.	
Target Water Operator Classifications: 1 11 111 114	
Target Water Operator Classifications: I II IV	Other (check all that apply)
Instructional Aids:	
Instructional Approach;	
References:	
Course Evaluation:	
* Attach a course outline	
	Date:
	vale.

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
Address: 182 Panacea Dr Ste 4 cinvoronizion Democratico a accom-
Telephone: 106-839-1498 Fax: 706-754-1968 E-Mail: Jerry @ suncoastlearning com
suncoastlearning com
Mission of Business: Convert, develop & Oletiver quality on line, courses
tor continuing education credit. Water and Waste water
operators enter the courses through the state rural
Description of record keeping: All student records are kent through
a rear ming Management System accessible online, stored and
server in Canada. Records kept include student name, address, etc.
plus courses taken, time in each module and quiz scores
Sponsor Representative Signature  Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WRIGH

# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

los Manchin III Governo:

September 17, 2007

Martha Yeager Walker Secretary

Debbie Britt
Executive Director
WV Rural Water Association
100 Young Street
Scott Depot, WV 25560

RE

WV8PH Operator Training Course Approval;

Water -- CEH2007-0074-083; Wastewater -- WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747.

Sincerely,

Richard L. Watson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emi

Attachment

OC:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SIENGCOMONI & CDicappeviletters/CEH Approvals/7007/cst 2007/074_C83th coo

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHNW No.	Course Title	Approved	Kejected	CUL	CULTS CHARGES
1010[A	орнын дуучигуулуу такулдаруунын кумартуунун онгуучун онгуунуу такулануу такин онгуунуу такулануу такулуу такул	and the second of the second o		)	
CEM2007-074   Water	CEH2007-074 Water Transmission and Distribution	×	and the same and t	10.0	)-IV
CEH2007-075 Surface Water Treatment	e Water Treatment	×		10.0	
CFH2007-076 Small Water Systems	Water Systems	×		0.0	N-IIV
CEHONOT ISMAIL Water Systems II	Waler Systems I	×		10.0	7
OF RECORDS OF MINES OF THE PROPERTY OF THE PRO		×		100	AFİ
CILIDAD TO Whater tilley Carry	TEN PARTIE TO THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE TENT OF THE	×		10.0	VI-I
ALCONOMIC CONCINCTION	CELIANT DRY Charmetor Systems and Chemical Hardling	×		10.0	Z
	CELSWIZ De IDe une and Motor Mantenance	: 115mm*		100	NI-I
T12007.082 Page	CEHONY 082 Resident Chemistry	<b>×</b>		10 O	71-1
CEH2007-083 Practic	CEH2007-083 Practical Personnel Management	X		7.0	) I
Wastewater		The original value		)	
WW2007-078 Water Utility Safety	Unity Salety	×		10.0	-14
WW2007-079 Water Utility Calculations	Ulily Calculations	×		00	)-EV
/W/2007-080 Chilorii	WW2007-080   Chlorinator Systems and Chemical Handling	×		10.0	¥
WW2007-081 Pump	WW2007-081 Pump and Motor Maintenance	**************************************		100	N-14
MW2007-082 Basic	WW2007-082 Basic Environmental Chemistry	<b>×</b>		100	Vi-iV
1/1/2007-083 Pracin	WW2007-093  Practical Personnel Management	×		7.0	1-14
W1417002-084 Introdu	WWW. 1984 Introduction to Wastewater (Wastewater Frances Processing)	×		10.0	Ai-i

All courses are Florida Department of Environmental Protection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

Course Modules	Module Sub-Headings	Typical Module Time
1 Developing a	Maintenance Management System	5
Maintenance Program	Basic parts of a MMS	
<u> </u>	Maintenance Procedures	
	Maintenance Schedules	
	Schedule Cycle	
	Record Keeping	
	Feedback System	
	Monitor the System	
	Maintenance Training	
2. Prime Movers –	Electricity	14.0
Electric Motors and	Basic Electrical Terms	
Motor Controls	Electrical Equipment Protection Devices	
	Types of AC Motors	
	Motor Nameplate Data	
	Induction Motors	
	Synchronous Motors	
	Motor Maintenance	
	Submersible Motors	
	Maintenance Summary	
	Operational Inspections	
	Troubleshooting Guide For Motors	
	Equipment ID Card	
3 Centrifugal Pump	Centrifugal Pump Mechanics	1 25
Mechanics	Centrifugal Pump Components	i said
	Types of Pumps	
	Centrifugal Pump Terms and Concepts	
	Centrifugal Pump Selection	
4 Centrifugal Pump	Centrifugal Pump Hydraulics	
Hydraulies	Basic Hydraulics	
	Basic Math	
	Flow and Velocity	
	Specific Gravity	
	Horsepower	
	Affinity Laws	
	Horsepower and Kilowatts	
	Affinity Laws II	
	Shut-Off Head and Best Efficiency Point	
	Shaft Deflection	
	Specific Suction Speed	
	Pump Piping Hydraulics	
	Net Positive Suction Head	
	Cavitation	
	Water Hammer	
	Pump Curves	

5 Lubrication	Lubrication	10
	Types of bearings	T ()
	Pupose of Jubrication	
	Types of lubricants	
	Fluid film theory	
	Lubricant characteristics	
	Lubrication frequency	
	·	
	Lubrication Systems Oil Supply Systems	
6 Bearings	Summary  - Function	British (San Garage Constitution of San B
o bearings	er had til blad tild er er all i blad mind had frigt i til blad til til til til blad til blad til av er er ell	1.0
	Types of Bearings	
	Searing Nomenclature	
	Bearing Numbers	
	Bearing Life	
	Bearing Failure	
	Bearing Removal and Installation	
	Troubleshooting	
7 Compression	Sealing	1.0
Packing	Packing Requirements	
	Effective Sealing	
	Packing Failure	
	Packing the System	
	Selection of Packing	
	Lubricants	
	Packing Installation	
	Trouble Shooting Packing	
8 Mechanical Seals	Purpose	125
	Seal Classification	
	Basic Seal Design	
	Seal Variations	
	Seal Configurations	
	Mechanical Seal Selection	
	Seal Flush Systems	
	Seal Installation	
	Mechanical Seal Troubleshooting	
9. Positive	Positive Displacement Pumps	1.25
Displacement Pumps	Types of Displacement Pumps	
	Screw Pumps	
	Diaphragm	
	Plunger Pump	
	Rotary	
	Peristalic Pumps or Flexible Liner Pumps	
	Progressive Cavity Pumps	

Andrew Control

10 Special Pumping Units	Special Pumping Units	
	AirLift	
	Regenerative Turbines	
	Vortex	
	<b>Jet</b>	
	Pneumatic Ejector	
11 Water Utilities	What is Safety?	\$
Safety	Accident Causes	
	Safety Program	
	Employee Participation	
	Safety Audits	
	Electrical Hazards	
	Chemical Hazards and Safety	
	Confined Space Introduction	
	Hazards	

Course Title:	Topic:
Basic Environmental Chemistry	Chemistry needed in water & Waster waster applications
This application is for: Drinking Water Operators	Water applications Wastewater Operators V
(If you are applying for continuing education approval for d	rinking water and wastewater operators, mark both.)
Has this course been previously approved for water or was	/
If "yes", provide the WVBPH approval number(s) here <u>defile</u> have changed, sign and date it, and submit it along with a c	<u>2০67-০১2</u> and complete all portions of this application tha opy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
	\$18000
	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa
Objectives:	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Target Water Operator Classifications: I II IV	Other (check all that apply)
Instructional Aids:	
instructional Alus.	
Instructional Approach:	
References:	
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Course Evaluation:	
* Attach a course outline	
	Data

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untreat
Address: 18 L PANACION IIC Ste 4 City College II College
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: Jerry@  Suncoastlearning com
suncoastlearning com
mission of Business. Convert, develop & deliver quality on line. Courses
tor continuing education credit. Water and Waste water
operators enter the courses through the state rural
Water association, All student records are kept through
bescription of record keeping: HII student records are kept through
se se ming radia demand System accessible on line stored on a
server in Canada. Records kept include student name, address, etc.
plus yourses taken, time in each module and quiz scores
Alla scores
Sprinsor Representative Signature  Date

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Joe Manchin [1] Governor

September 17, 2007

Martha Yeagor Walker Secretary

Debbie Britt
Executive Director
WV Rural Water Association
100 Young Street
Scott Depot, WV 25550

RE:

WVBPH Operator Training Course Approval:

Water - CEH2007-0074-083; Wastewater - WW2007-078-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided.

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747

Sincerely

Richard L. Walson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emi

Attachment

pc:

Dawn Newell, WVBPH Mary Lowe, WVBPH

SHEMICOMONN & COlcapsevilettersICEH ApprovateIC007/cet 2007-074_C83ft coo

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHWW No.		Approved	Rejected	CETT	CEHS Classes
Mater		o de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la compos		) }	
CEH2007-074 W	CEH2007-074 Water Transmission and Distribution	<b>\</b>	The second section (1997) (Appendix of the second section (1997) (Appendix of the second section (1997)) (Appendix of the seco	Toc	A []
CEH2007-075 St	CEH2007-075 Surface Water Trealment	×		טיטי	AI-1
XE1-2007-076 St	OEH2007-076   Small Water Systems	×	There is the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	0.0	I-IV
2E H2007-077 IST	CEH2007-077 Small Water Systems II	×		10.0	Z
CEH2007-078 W	CEH2007-078 Water Utility Safety	×		10.0	
X12007.079 W	CEHONO7-079 Water Littley Calculations	×		10.0	VI-I
CE145007-080 C	CFH2007-030   Chorinator Systems and Chemical Handling	×		i C O	7-1-1
CH12297-081 P.	CEH2007-081 Purpo and Motor Markenance	×		100	N-IV
CE12007-082 B	CEHONZ-082 Presidential Chemistry	×	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	10.0	N-I
CEH2007-083 Pr	CEH2007-083 Practical Personnel Management	×		7.0	1-10
Wastewater		terodysk till,		)	
MW2007-078 W	WW2007-078 Weter Utility Safety		A THE PROPERTY AND A PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY		
WW2007-079 W	WW2007-079 Water Utility Calculations	×		00	
WW2007-980 C	Chlorinator Systems and Chemical Handling	×		10.0	T.
WW2007-081 P	WW2007-081 Pump and Motor Maintenance	×		100	1-34
WW2007-082 B	WW2007-082 Basic Environmental Chemistry	×		100	
WW2007-063 P	WW2007-083  Practical Personnel Management	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		1.0	1-14
WWW.007-084 In	WWW. 1997-1994 Introduction to Wastewater ( Laste Liver Processor, )	>		U.U	1-1V

^{*} All courses are Florida Department of Environmental Protection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy

		Basic Environmental Chemistry	
	Course Modules	Module Sub-Headings	Typical Module
			Time
1.	Basic Environmental	Atomic Structures	2.0
	Chemistry	Isotopes	
		Electron Configuration	
		Review Questions	
		lons	
		Elements	
		Periodic Table	
		Review Questions	
		Compounds	
		Reading Chemical Formulas	
		Atomic Weight / Mole Weight	
		Review Questions	
-	Atomic/Molecular	Quiz	
٠.	Weight	Atomic / Mölecular Weight Mole	1.5
	weign	Review Questions	
		Solutions Solutions	
		Quiz	
3.	Dilution Calculations	Dilution Calculations	
(c 20.0)	Distribit Catculations	Molarity	1.0
		Quiz	
а	Water/Wastewater	Hardness	2.0
	Chemistry	Nitrogen Compounds – Drinking Water	2.0
		Nitrogen Compounds — Wastewater	
		Phosphorus	
		Review Questions	
		Acids	
		Bases	
		Salts	
		рH	
		Alkalinity	
		Review Questions	
		Quiz	
5	Wastewater	Volatile Acids	2.0
	Chemistry	Taste and Odor Removal	4m · •
	,	Review Questions	
		Settleable Solids	
		Settleability	
		Suspended Solids	
		Review Questions	
		Total Solids	
		Volatile Solids and Fixed Solids	
		Sludge Age	
		Review Questions	
		Quiz	

6 Coagulation,	Flocculation / Coagulation		1.5
Softening and BOD	Alum		
	Ferric Sulfate / Ferric Chloride		
	Softening		
	Review Questions		
	Biochemical Oxygen Demand (BOD)		
	Review Questions		
	Quiz		
7. Chlorination, DBP	Chlorination Disinfection		1.0
and Corrosion	Trihalomethanes		
Control and	Review Questions		
Sequestration	Corrosion Control		
	Iron and Manganese Removal		
	Review Questions		
	Sampling		
	Review Questions		
	Quiz		
		Total	11.0

Course Title:	Topic:
Practical Personnel Management	Guide to managing a system
This application is for: Drinking Water Operators	Wastewater Operators <u>V</u>
(If you are applying for continuing education approval for di	
Has this course been previously approved for water or wast	
have changed, sign and date it, and submit it along with a control $\frac{(R+2)}{R+2}$	2607 - 083 and complete all portions of this application that opy of the previous application.
Date and Approximate Time:	Course Cost/Fee:
Bate and Approximate Time.	\$ 140 00
Objectives:	
Target Water Operator Classifications: I II IV	Other (check all that anniv)
Instructional Aids:	Criech all triat apply)
instructional Aids.	
Instructional Approach:	
References:	
Course Evaluation:	
* Attach a course outline	
Auach a course outhne	
	Date:

Sponsor Name: Sun Coast Learning Systems, Inc. Sponsor Representative: Jerry Untredt
Address: 182 Panacea Dr. Ste. 4 city/State/Zin: Demarket CA 2002
Telephone: 706-839-1498 Fax: 706-754-1968 E-Mail: jerry@ surcoastlearning.com
suncoastlearning com
Mission or Business: Convert, develop & deliver quality on line courses
tox continuing education credit. Water and Waste water
operators enter the courses through the state rural
Description of record keeping: All student records are kept through
a rearning Management System accessible on the stored on a
server in Canada. Records kept include student name, address, etc.
plus gourses taken, time in each module and quiz scores
1/120/18
Sponsor Representative Signature Date
/

Return completed application form to:

CEH Training Course Applications
One Davis Square Suite 200
Capital and Washington Streets
Charleston, WV 25301-1798



WVRIGA

# STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

foe Manchin III Governor

September 17, 2007

Martha Yeagor Walker Secretary

Debbie Britt
Executive Director
WV Rural Water Association
100 Young Street
Scott Debot, WV 25580

RE:

WVBPH Operator Training Course Approval;

Water -- CÉH2007-0074-083; Wastewater -- WW2007-073-84

#### Dear Debbie:

Your information documenting Florida Department of Environmental Protection (FLDEP) water and/or wastewater operator continuing education approval for eleven Florida Rural Water Association (FRWA) courses has been reviewed. Based on the information you and FRWA provided, the WV Bureau for Public Health (BPH) has approved or rejected these courses for Continuing Education Hours (CEH) as detailed in the attached table. Course approvals were based on our reciprocity policy and FLDEP approval documentation you provided.

Please include the appropriate course number and title on any certificates issued for completion of these courses or any future related correspondence. Thank you for your interest and participation in West Virginia's Capacity Development Program. If you have any questions or need any additional information, please call (304) 558-6747.

Sincerely.

Richard L Walson

Capacity Development Coordinator Infrastructure and Capacity Development Environmental Engineering Division

RLW:emt

Attachment

DC:

Dawn Nowell, WVBPH Mary Lowe, WVBPH

SILENGCOMONY & COloapseviletters/CSH Approvals/2007/cst 2007/974_C83ftr coo

WV Rural Liter Association On-Line Courses
Approved September 17, 2007

CEHNAN NO.	CORRECTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	Approved	Kejected	CHIA	Classes
				) )	7
CFH2007-074 Water Transmission and Distribution	SITUDITATION	×	のようでもならばらばいます。 * センス・ハギザラ 中子 大学 はあっていまる * 小部の ( ) ・	TC C	AF-1
CFH2007-075 Surface Water Treatment		×		10.0	
CEH2017-076 Small Water Systems	early and the still design of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	X		50	1-1V
CELSONS 177 Small Water Suctions II	may part of the state has many to the many and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	×		10.0	V-1
CELEGOT OTO Marries Hills Consti	THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSION OF THE COMMISSI	×		O O	AFI
CENTRAL MARKET AND A SECTION OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT O	THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O	×		10.0	)-IV
Course on Charlestor Systems and Chemical Handling	herical Haiding	×		10.0	7
CEHOOSTAN Dumn and Motor Mantenance	100	×		100	AI-1
CERSONS JOSS Basic Environmental Chemistry		×		100	AIT
CEH2007-083 Practical Personnel Management	enen	X Section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect		7.0	1-14
Wastewater		oridato Nb.			
WW2007-078 Water Utility Safety	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	***************************************	AND AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR	00	A 5-1
WW2007-079 Water Utility Calculations	A STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	X	A STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	i c	)
WW2007-080  Chlorinator Systems and Chemical Handling	hemical Handing	×	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	0.0	Į.
www.2007-081 Pump and Motor Maintenance	700	×		100	A.1-1
WW2007-082 Basic Environmental Chemistry	ASSA	×		100	-14
WW2007-083  Practical Personnel Management	emen	X X	an month of the following To the following of the following to the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the following the follo	1.0	A 1-1
Williams 184 Introduction to Wastewater (Libester Kinger Processing	(Westervier Processin)	*		10.0	-17

^{*} All courses are Florida Department of Environmental Frotection approved Florida Rural Water Association courses. Course approval based on WVDHHR reciprocity policy