



BRITISH COLUMBIA OPERATORS DIGEST

A NEWSLETTER FOR WATER AND WASTEWATER OPERATORS

JUNE 2001 NUMBER 102

The EOCP Office has moved!



As of July 1 our new address is:
EOCP, 219 – 3823 Henning Drive,
Burnaby, B.C. V5C 6P3

Operator Safety Competition

The Operator Safety Competition was once again held at the BCWWA Annual Conference in Penticton in April. Bernie Morris of the Capital Regional District Water Department organized the competition. This year there was another good turnout with six teams entering the competition. First place went to the Resort Municipality of Whistler team of Mark Caulton, Shawn Rowley and Rankin Smith, along with Supervisor Nelson Bastien. Second place went to the Greater Vancouver Regional District #1 team of Rick Gagnon, Al Whiting and Roy Nees; with third place going to the GVRD #2 team of Dan Deacon, Tony Distasio, and Tony Smerychynski. Other teams were from the City of Vancouver, City of Richmond and the City of Coquitlam.

The scenario for the competition had a city works crew of three workers installing a steel culvert beneath a roadway. The culvert is 900 mm in diameter by 9 metres long and weighs almost 500 kg.

The culvert is being unloaded from a crane truck with the operator standing on the ground operating the controls. The truck is parked under a 25kV power line that has sagged below 9 metres due to a city electrical crew working on the power line one block down the road. One of the workers attaches a long steel choker to the culvert and the operator begins to lift the load



Safety competition at the BCWWA Annual Conference in Penticton.

while the one worker on the ground holds the end to guide it. The other worker is on the deck of the crane truck.

The boom of the crane contacts the 25kV power line resulting in two workers receiving an electrical shock. The shock knocks the operator and the ground worker to the ground rendering the operator unconscious and pinning the one worker under the culvert. The one remaining crewmember is on the

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Environmental Operators Certification Program

The BC Operators Digest is the official newsletter of the Program. Submissions for publication in the Digest are welcome and may be sent to the Editor:

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Changes of address, annual dues, exam applications, as well as general inquiries about the program should be addressed to:

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Ms. Terry Thrun, Office Assistant

Business card sized advertisement space is available at \$50.00 per issue or \$175.00 for four issues. GST and PST included. For other sized advertisements, please contact the Editor.

The Environmental Operators Certification Program is a charter member of the Association of Boards of Certification, and is a Registered Society with over 1,700 active members.



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Dave McLean Honoured



Joe McGowan presenting Dave McLean with an appreciation plaque from the EOCP in recognition of Dave's twelve years of service as an EOCP Board Director. Dave did not run for re-election to the Board. Among his accomplishments, Dave was instrumental in the start of the operator component at the BCWWA Annual Conference. Also, Dave started the Operator Safety Competition at the Annual Conference, organizing and running the competition each year. Dave was also the recipient of the Vic Terry, Stanley Copp and BCWWA Personal Recognition Awards. Not quite fully retired, Dave offers customized workplace inspection and training through his company McLean's Safety Seminars, and can be found providing assistance to numerous municipalities throughout the Fraser Valley.

2001/2002 BOARD OF DIRECTORS

- Joe McGowan** – Chairman
- Bill Hyslop** – Industrial Waste
- Bernie Taekema** – Facilities Classification
- Kevin Ramsay** – BCWWA Liaison
- Leo Albrecht** – CEU Assessment
- Don Gare** – Digest Editor
- Eric Jackson** – Treasurer
- Al Lane** – Secretary
- Dan Skidmore** – Director

Board Business Briefs

Recent business from the EOCP Board Meeting held at the UBC Operator Symposium at UBC in Vancouver on May 14, 2001. Directors present: Joe McGowan, Eric Jackson, Bill Hyslop, Bernie Taekema, Dave McLean, Al Lane, Don Gare. Kevin Ramsay and Leo Albrecht were instructing courses. Bert Caine attended as a guest of the Board.

- **Treasurer's Report:**

Eric Jackson, Treasurer presented a detailed report, which included the following totals:

2000 Revenue:	\$ 134,439.98
2000 Expenses:	\$ 132,467.02
Difference:	\$ 1,972.96
Bank Balance (May 5/01)	\$ 3,503.50
GIC's invested (2):	\$ 55,022.87
Mutual Funds	\$ 16,697.00
Total Assets (May 5/01)	\$ 75,223.37

The Treasurer has retained the services of an accountant to review the financial statements.

- Joe McGowan, Chairman, reported that the EOCP Office is moving at the end of June. The new location is 219 – 3823 Henning Drive in Burnaby. The new location will provide additional office space and improved parking. The monthly lease will be \$936 plus GST. The Chairman also reported that an application has been made to the Ministry of Health for assistance in covering operating costs and manpower to process small water system operators.
- Bernie Taekema reported that the majority of recent facility classifications have been for water treatment plants.
- The 2001 Vic Terry Award was presented to Louie Sabbas at the BCWWA Conference in Penticton. The EOCP Corporate Recognition Award was presented to the Port Alice Cellulose Operation.
- **Election Results:**
Three operators ran for 2 operator positions. There were 259 ballots received.
Don Gare – elected (191 votes)
Dan Skidmore – elected (163 votes)
Rod McCabe – (109 votes)
Bill Hyslop – Industry Representative and Joe McGowan – Government Representative will continue in their respective positions by acclamation.

- The winner of the EOCP jacket was Evan Price of Chilliwack whose name was drawn from operators who returned their completed election ballots.

- Thirty year pins and lifetime memberships were awarded to: Caesar Turri, John Enman, Albert Gordon, Donald Morehouse and Robert Jonas.

- **Proctoring Small System Exams:**

Williams Lake Exam – June 8, 2001 – will be proctored by Al Lane or new Director, Dan Skidmore. Invigilators for exams in Dawson Creek and Parksville have not been determined.

A MOTION was made that the EOCP write a letter to BCWWA requesting that BCWWA cover costs to send a Director or hire an invigilator to proctor exams at upcoming exam sessions in Williams Lake, Dawson Creek and Parksville.

The EOCP Board will determine by July 31, 2001 how costs and scheduling for invigilators will be handled for the long term via a conference call among Directors.

- The Directory of Operators and Facilities will be published by September 2001.

- **Development of an EOCP Personal Recognition Award:** It was decided by the Board that it does not wish to develop this award at this time.

- **CEU's for BCWWA Courses:** The Chairman will advise the CEU Assessment Director that 4 day courses will receive 2.4 CEU's.

- **Procedure for Notifying Corporate Recognition Award Recipient:**

A MOTION was passed that EOCP pay for the Corporate Award recipient and guest to attend the BCWWA banquet only. The recipient will be notified by letter that he/she and guest are invited to the BCWWA banquet for the presentation of the award.

- **In-house Computer Scanning, Scoring and Summary Sheets:**

The Board does not have an exact cost yet for scanning equipment and/or software package.

Approximate cost will be \$3,000.00. Bill Hyslop will get information from Ontario Certification Program for the next meeting. After this information is received, the Board will make a decision and time frame for developing new Water Distribution Level I – IV exams.

Eric Jackson will review the EOCP agreement with ABC regarding EOCP marking our own exams.

2001 BCWWA Victor M. Terry Award

The Vic Terry Award is a BC Water and Waste award that recognizes an operator who has demonstrated ingenuity and proficiency in plant operations or maintenance. The Environmental Operators Certification Program makes nominations for the award.

Many times, awards are presented to those who work in larger facilities primarily because their work is more visible to more people. This year the EOCB is pleased to recognize an operator of a small water system and small wastewater system who typifies the kind of resourcefulness and ingenuity so much needed by an operator. This is particularly significant in a year when the BCWWA and the EOCB have focused so much attention on small systems.

This year's recipient of the Vic Terry Award is Louie Sabbas. Louie has been the primary operator of the water and wastewater in the remote community of Hot Springs Cove for twelve years. This small village has about 120 people and is reached only by plane or boat thirty-five miles north of Tofino on the west coast of Vancouver Island.

The small water system consists of a groundwater source, piped to the community where it is chlorinated and pumped to the customers. The sewer system is a conventional gravity system with a single lift station pumping to a pretreatment facility. Louie is also responsible for garbage collection and operation of the community incinerator. Should something go wrong, Louie is on his own. The nearest community is Tofino, an hour away by boat in good weather.

Louie is a BCWWA member and is an EOCB certified Level II Water Distribution Operator. He attends training courses whenever he is able to get away and offers his expertise and experience to other small communities along the coast. A major interest of his is seeing other operators in small communities obtain certification.

Louie is a long time resident and is very active in his community. He is married and has four children. His hobbies



EOCB Chairman Joe McGown presenting the Vic Terry Award to Louie Sabbas at the BCWWA Conference in Penticton.

include the community basketball program and escorting his kids to various basketball tournaments up and down the coast, with a little sport fishing thrown in when he has time. ■




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2001 EOCP Awards

The BERT CAINE award is presented by the EOCP in recognition of outstanding long-term service to the certification program. The award is named in honour of Mr. B.D. Caine, the first Secretary-Treasurer of the program. The award was presented to Bert in 1989, to Bob Wilson in 1991 and presented again in 2000 to Bill Hyslop. At the 2001 UBC Operators Symposium, Bert Caine presented the award to Eric Jackson. Eric was first certified as an operator in 1978, and

was elected to the Board in 1981. Eric has served on the Board continuously for twenty years and continues as the Treasurer.

The EOCP Corporate Recognition Award was presented to Ron Palmer, Utilities Manager of the Western Pulp Limited Partnership, Port Alice Cellulose Operations. The Port Alice Operations was the first Industrial Mill to have their facility certified by the EOCP, and have encouraged their operators to be certified as Industrial Wastewater Treatment Operators.



Bert Caine (left) presenting the Bert Caine Award to Eric Jackson, in recognition of twenty years of commitment and contribution to the EOCP.



Bill Hyslop (left) presenting the EOCP corporate Recognition Award to Ron Palmer of the Port Alice Cellulose Operations.



Caesar Turri and Bob Jonas received their thirty year pins and lifetime memberships at the UBC Operators Symposium.

Operator Safety Competition (Continued from page 1)

truck deck, conscious and uninjured, but is extremely excited and not in complete control of his senses. He does have two-way radio and contacts the rescue unit to attend.

The Rescue Teams faced the following complications:

1. The ambulance cannot arrive for at least 15 minutes.
2. The power line is arcing onto the crane.
3. One worker is pinned under the culvert with burns and a frac-

tured femur. The crane operator also has burns and is unconscious. The worker on the truck deck is excited and agitated.

4. The Rescue Team must assess the injured workers, remove the workers and provide acceptable first aid.

Thanks to the BCWWA, Bernie Morris, John Riches, Safety Officer from the City of Penticton, the WCB and St. John's Ambulance for their assistance with the Safety Competition.



Whistler



GVRD #1



GVRD #2



PLANT PROFILE: Capital Regional District Saanich Peninsula Wastewater Treatment Plant

PROJECT DEVELOPMENT

- A 1991 study concluded that a new wastewater treatment plant was needed on the Saanich Peninsula to replace three older plants that were either out of permit or expensive to operate.
- The big question was: Where should the plant be located?
- After assessing eleven sites over a period of four years (1992–1996) the Bazan Bay Road site was selected and rezoned by North Saanich Council.
- An alternative access road to the site was constructed off Mainwaring Road.
- The project was approved by the Minister of Environment in November 1996, and with the receipt of a 50% provincial grant, the system design was commenced in 1997.
- Construction of the plant began in early 1998 and was completed within budget by the end of 1999.
- The plant began to treat sewage in early February 2000 and the transition to the new plant was complete by mid February and classified as a Class IV Plant.



Primary sludge pump

LIQUID PROCESS CONSISTS OF THE FOLLOWING FOUR PROCESSES:

Screens

- The influent wastewater is passed through a 6mm traveling screen to remove bulk solids. The screenings are washed, compacted and removed for disposal to the landfill. The screened wastewater proceeds to primary clarifiers.

Primary Clarifiers

- Wastewater enters two rectangular tanks. Solids that settle to the bottom of the tanks are removed to the solids blend tank and the liquid effluent proceeds to the aeration tanks.

Aeration Tanks

- Wastewater is treated in one of the two aeration tanks. Each tank biologically treats the sewage.

Secondary Clarifiers

- The final process takes place in the two secondary clarifiers. Solids that settle on the bottom of the tanks are either returned to the aeration tanks or to the gravity belt thickener. Final effluent leaving the secondary clarifiers is discharged out the 1.5 km marine outfall.

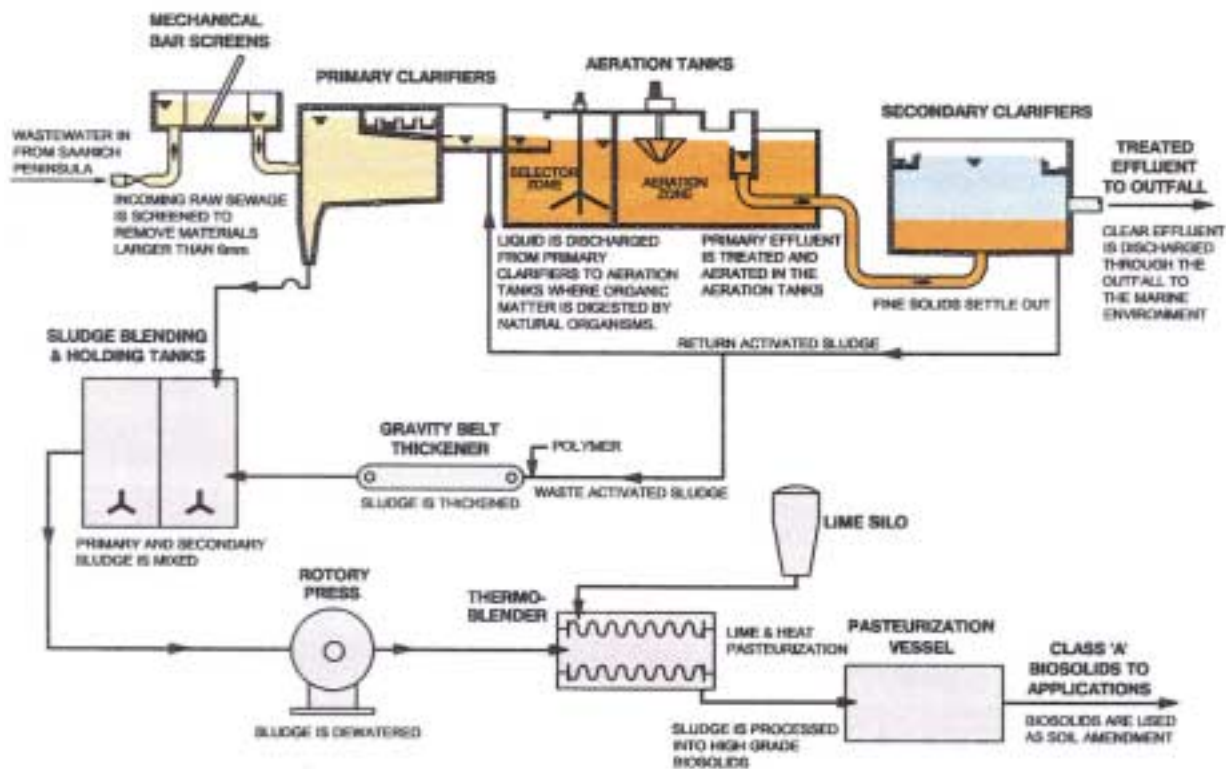


Sludge dewatering press



Gravity belt thickener

Construction of the plant began in early 1998 and was completed within budget by the end of 1999.



SOLID PROCESS CONSISTS OF THE FOLLOWING THREE PROCESSES:

Gravity Belt Thickener

- Secondary sludge is thickened on the gravity belt and then sent to the sludge blend tank.

Dewatering Press

- Blended primary and secondary sludge is removed from the blend tank. Water is removed by the press. The solids are sent to the lime stabilization/pasteurization process.

Lime Stabilization/Pasteurization

- In this final process, lime is added to the dewatered sludge and is heated to 70C for 30 minutes. The end product is a pasteurized biosolid which can be used as an unrestricted soil conditioner.

TREATMENT PROCESS

Design Basis For The Treatment Plant:

Influent flow	
- Average annual	18,150 m ³ /day
- Maximum day	36,300 m ³ /day
Permitted final effluent	
- BOD	45 mg/L
- TSS	45 mg/L
Population served	
Current population served	30,000
Maximum population served	50,000
Total project cost (includes pipelines, pump stations, Treatment plant, outfall)	\$33,000,000
Treatment plant cost (included in above)	\$20,000,000




BCWWA Small Water Systems Course

The B.C. Water and Waste Association has recently completed four pilot Small Water Systems courses; in Creston, Port Moody and at the UBC Operator Symposium. The Small Water Systems course is tailored for operators of those small facilities such as resorts, separate subdivisions, etc. where the facility serves under 500 people. The course is two days in length and operators have the opportunity to write the EOCP certification exam, once they qualify.

The four pilot courses averaged twenty people in attendance, and another two courses are scheduled for June, in Parksville and Williams Lake. The Small Water Systems course will undergo changes and adjustments as experience and feedback from the courses are assessed. The BCWWA intends to present the Small Water Systems course throughout the province beginning this fall, and to train up to 2500 small water system operators over the next three years.

The Small Water Systems course is tailored for operators of facilities which serve under 500 people.

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Operator Profile Ted Klein

Ted began work with the City of Coquitlam in 1991 with the Parks Department. He worked with the irrigation, planting and horticulture crew, assisting with all equipment operations using loaders, mowers, backhoes and tanker trucks. Ted also taught chainsaw courses. In 1996 he transferred to the Drainage Department as a maintenance worker and operated the backhoe, vacuum and flush truck, grade-all and grader.



Ted Klein

Ted transferred to the Sewer Department in 1999 as a backhoe operator and was soon promoted to senior video operator of the CCTV (video inspection) program, which videos sanitary and storm mains and services. He is one of the few certified video inspectors (North American Association of Pipe Inspectors) in North America. He is a member of the City of Coquitlam Safety Team that took first place at the Operator Safety Competition at the 1999 BCWWA Conference in Vernon. He has a Wastewater Collection Level I certification.

Ted is a member of the City's customer service task team whose goals are to find new ways to enhance the work environment and give the best customer service possible. He is a key member of the Sanitary Lift Station Maintenance crew that maintains twenty-seven stations throughout the city.

In his spare time, Ted operates a landscape company, coaches girls softball, and enjoys camping. He is married with three children.

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NEW MEMBERS AND UPGRADES

CERT. NO.	NAME		CITY	CERT. NO.	NAME		CITY
3295	Abulail, Samir	WWC, I	<i>Delta, BC</i>	1244	Kamstra, Stuart	WD, II	<i>Prince George, BC</i>
2089	Allan, Mark	WD, II	<i>Victoria, BC</i>	3340	Kimber, Michael	WD, I	<i>Sidney, BC</i>
593	Allen, Lawrence	WD, II	<i>Chilliwack, BC</i>	3470	Knox, Murray	WD, I	<i>Grand Forks, BC</i>
1484	Anderson, Stephen	WD, I	<i>Penticton, BC</i>	3237	Laboucane, Victor	WD, II	<i>Queen Charlotte, BC</i>
3296	Antonishka, Peter	WWC, I	<i>Aldergrove, BC</i>	3290	Landry, Nelson	WD, II	<i>Williams Lake, BC</i>
3297	Antonsen, Garry	WWC, I	<i>Surrey, BC</i>	3481	Lang, Robert	SWS,	<i>Kaslo, BC</i>
1429	Assel, Gary	WD, II	<i>Nakusp, BC</i>	3452	Leitch, David	OIT, WWC	<i>Nanaimo, BC</i>
3299	Atwood, Paul	WWC, I	<i>Surrey, BC</i>	431	Lock, Donald	WWC, III	<i>Victoria, BC</i>
3467	Barber, Brian	WD, I	<i>Cawston, BC</i>	3506	Logan, Benjamin	WWC, I	<i>Surrey, BC</i>
3468	Barlow, Paul	WD, I	<i>Kamloops, BC</i>	329	Long, Michael	MWWT, II	<i>Kamloops, BC</i>
3111	Barrett, Patrick	WWC, II	<i>Nanaimo, BC</i>	3305	Lyon, William	WWC, I	<i>Delta, BC</i>
3462	Beaton, Wesley	WWC, I	<i>Victoria, BC</i>	1213	Massier, Larry	WT, I	<i>Abbotsford, BC</i>
878	Bell, Robert	WD, II	<i>Cowichan Bay, BC</i>	3471	McKay, Gordon	WD, I	<i>Lavington, BC</i>
1328	Benjamin, Mark	WD, II	<i>Courtenay, BC</i>	3472	McKinlay, Michael	WD, I	<i>Duncan, BC</i>
3463	Black, Leonard	WWC, I	<i>North Vancouver, BC</i>	1470	McNeil, Jason	WD, II	<i>Salmo, BC</i>
3463	Black, Leonard	WD, I	<i>North Vancouver, BC</i>	3033	Meyer, Victor	WWC, I	<i>Kamloops, BC</i>
1813	Blaeser, Kevin	WD, II	<i>Vernon, BC</i>	3505	Molenaar, Dick	WWC, I	<i>Delta, BC</i>
175	Broadfoot, Drew	WWC, III	<i>Prince George, BC</i>	1742	Moore, Terry	WD, II	<i>Courtenay, BC</i>
390	Brookfield, Peter	WD, I	<i>Prince George, BC</i>	3306	Morell, Domingo	WWC, I	<i>Delta, BC</i>
1624	Brooks, John	MWWT, II	<i>Prince George, BC</i>	3496	Murphy, Gregory	WD, I	<i>Courtenay, BC</i>
3484	Bryans, Richard	SWS,	<i>Wynndel, BC</i>	3473	Nadeau, Daniel	WD, I	<i>Lone Butte, BC</i>
3465	Burbidge, Scott	WD, I	<i>Richmond, BC</i>	3422	Nicholson, Stephen	WWC, I	<i>Chilliwack, BC</i>
3044	Camano, Robert	WWC, I	<i>Delta, BC</i>	3511	Papuc, Thomas	WD, I	<i>Delta, BC</i>
3509	Carter, Richard	WWC, I	<i>Vancouver, BC</i>	3480	Paradis, Dennis	SWS,	<i>Creston, BC</i>
209	Casey, Derrick	WD, III	<i>Chilliwack, BC</i>	3368	Parker, Robert	WWC, I	<i>Sidney, BC</i>
1964	Caulton, Mark	WD, II	<i>Garibaldi Highlands</i>	3504	Pay, Rex	WWC, I	<i>Delta, BC</i>
2007	Childs, Trevor	WD, II	<i>Kamloops, BC</i>	3308	Phillips, Blair	WWC, I	<i>Ladner, BC</i>
3486	Christensen, Grant	SWS,	<i>Riondel, BC</i>	3493	Pickerill, Brent	WD, I	<i>Penticton, BC</i>
1364	Clifford, James	WT, I	<i>Hazelton, BC</i>	1984	Popp, Brian	WD, II	<i>Kamloops, BC</i>
3508	Coles, Vincent	WWC, I	<i>Mission, BC</i>	3503	Purcell, Grant	WWC, I	<i>Delta, BC</i>
1569	Cooper, Victor	WD, II	<i>Nanaimo, BC</i>	3309	Rock, Dwayne	WWC, I	<i>Aldergrove, BC</i>
3491	Cootes, Daniel	WD, I	<i>Ucluelet, BC</i>	3502	Savage, Ryan	WWC, I	<i>Surrey, BC</i>
3491	Cootes, Daniel	WWC, I	<i>Ucluelet, BC</i>	3310	Schellenberg, John	WWC, I	<i>Delta, BC</i>
3492	Coyne, Robert	WD, I	<i>Princeton, BC</i>	3311	Selig, Todd	WWC, I	<i>Delta, BC</i>
3507	Crudo, Orlando	WWC, I	<i>Vancouver, BC</i>	3080	Senior, Charles	MWWT, II	<i>Courtenay, BC</i>
3302	Cruikshank, Michael	WWC, I	<i>New Westminster, BC</i>	3488	Seppen, Ri na	MWWT, I	<i>Kelowna, BC</i>
3510	Cusano, Nick	WD, I	<i>North Vancouver, BC</i>	3474	Setter, Bruce	WD, I	<i>Kamloops, BC</i>
3483	Darbyshire, Peter	SWS,	<i>Christina Lake, BC</i>	1595	Shea, Sean	MWWT, II	<i>Tumbler Ridge, BC</i>
3495	Edgar, James	WD, I	<i>Courtenay, BC</i>	2085	Simon, Lane	MWWT, III	<i>Lower Nicola, BC</i>
3497	Ellis, Gordon	OIT, WWC	<i>Victoria, BC</i>	424	Smethurst, David	WWC, II	<i>Sidney, BC</i>
3047	Faint, Rowan	WWC, I	<i>Kamloops, BC</i>	3501	Smith, Ivan	WWC, I	<i>New Westminster, BC</i>
3482	Falk, Peter	SWS,	<i>Canyon, BC</i>	3119	Smyth, Errol	WT, II	<i>Mara, BC</i>
715	Fitzpatrick, Larry	WD, I	<i>Montrose, BC</i>	3466	Spence, Earl	WD, I	<i>Midway, BC</i>
1956	Ford, Robert	MWWT, II	<i>Logan Lake, BC</i>	3475	Spencer, Peter	WD, I	<i>Campbell River, BC</i>
3494	Gaumont, Kevin	WD, I	<i>Comox, BC</i>	3417	Steele, Coral	OIT, WD	<i>Maple Ridge, BC</i>
3464	Grant, James	WWC, I	<i>Victoria, BC</i>	3487	Szikora, Susan	MWWT, I	<i>Victoria, BC</i>
3498	Guido, Mario	WD, I	<i>Kamloops, BC</i>	3479	Tacon, David	SWS,	<i>South Slokan, BC</i>
556	Halle, Claude	WD, III	<i>Abbotsford, BC</i>	3461	Tonelli, Montgomery	WD, I	<i>Lytton, BC</i>
3490	Hamer, Beverly	OIT, WD	<i>Victoria, BC</i>	3478	Trautmann, Fred	SWS,	<i>Penticton, BC</i>
3460	Hammell, Terence	WD, I	<i>Prince George, BC</i>	3477	Waddington, Carl	SWS,	<i>Oliver, BC</i>
1731	Harvey, Bill	WWC,	<i>Whistler, BC</i>	941	Webb, Douglas	WD, II	<i>Delta, BC</i>
3279	Hill, Ian	MWWT, II	<i>Revelstoke, BC</i>	3489	Wesley, John	WT, I	<i>Skidegate, BC</i>
3403	Hill, Robert	WD, II	<i>Parksville, BC</i>	3476	Wiebe, Ryan	WD, I	<i>Quesnel, BC</i>
3469	Holman, Raymond	WD, I	<i>Cobble Hill, BC</i>	1243	Williams, Peter	WWC, II	<i>Prince George, BC</i>
1759	Horin, Jerry	WD, I	<i>Sardis, BC</i>	1969	Wilms, Earl	WD, II	<i>Kamloops, BC</i>
2062	Hubert, George	WD, I	<i>Tofino, BC</i>	3313	Wilson, Michael	WWC, I	<i>White Rock, BC</i>
3499	James, Thomas	WD, I	<i>Kamloops, BC</i>	3314	Winkelmann, Kevin	WWC, I	<i>Surrey, BC</i>

Word Games – B.C. Place Names

Here is a chance to test your B.C. geography and to win a prize – EOCP cap or cup. The answer to number 1 is Victoria. The three replies with the most correct answers win a prize. Mail or fax (604 847-4794) your answers to the Board Office by August 1, 2001.

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Former Queen _____ 2. Big Utensils _____ 3. Aching Last Digit _____ 4. Aware Cove _____ 5. All That Glitters Is Not _____ 6. Shelter For Panel Truck _____ 7. Quality Return _____ 8. Devil's Entrance _____ 9. Rugged Harbour _____ 10. Royal Boy _____ 11. Feline's Cove _____ 12. Cool Hit _____ 13. Fishy Appendage _____ 14. Famous Mom in Rocking Chair _____ 15. Pursue _____ 16. Cat's Rug _____ 17. Between Faith and Charity _____ 18. Award _____ 19. Soup Stream _____ 20. Coloured Water _____ 21. Stretched Shores _____ 22. Kootenay Fortress _____ 23. Path _____ 24. Radioactive Hot Water _____ 25. Lady at Forge _____ 26. This Fort Will Rust _____ 27. You Can Say Anything Here _____ 28. Attack of a Large Animal _____ 29. To Court a Limb _____ 30. Set Fire to Water _____ 31. Chocolate Desert _____ 32. Transparent Fluid _____ 33. Noisy Dog Town _____ | <ol style="list-style-type: none"> 34. A Row of Tall Trees _____ 35. Gritty Saliva _____ 36. Ice Cream Bar _____ 37. Bee's Bum _____ 38. Overcook Honey Maker _____ 39. Tough Limb _____ 40. Money River _____ 41. Bill's Pond _____ 42. Left Side of Cantelope _____ 43. Fuzzy Joint _____ 44. Coloured Stone _____ 45. Mineral Creek _____ 46. 2000 lb Monarch _____ 47. Dicken's Character _____ 48. Sea Drops _____ 49. Balcony _____ 50. Horse Drawn Buggy _____ 51. Massachusetts Town _____ 52. Ringer's Cove _____ 53. Automotive Shaft Circles _____ 54. Other Royal Boy _____ 55. Leaving Cove _____ 56. Blockade _____ 57. 2000 lb Shield _____ 58. A Sense of Purpose _____ 59. A Lot of Talking Here _____ 60. Bob's Financial Institute _____ 61. Admiral of the Fleet _____ 62. Premier's Foot _____ 63. Recent Preacher Here From the West _____ 64. Open Pasture _____ 65. Costello's Chevy and _____ 66. Century Home _____ |
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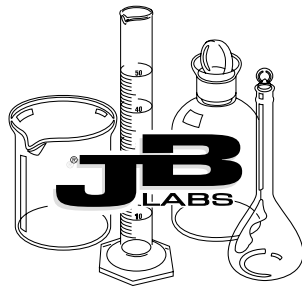
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UPCOMING EVENTS

BCWWA Fall Calendar 2001

Fort St. John

September 17 – 21 Water Distribution Level II
 Water Treatment Level I
 Wastewater Treatment Level I
 Chlorine Handling

September 22 Water Meter Maintenance
 Scada Technology
 Sewer Infiltration & Metering
 Sewer System Pumps

Cranbrook

September 24 – 28 Water Distribution Level I
 Water Treatment Level I
 Wastewater Collection Level I
 Wastewater Treatment Level I

September 25 – 26 Small Water Systems

Kamloops

October 15 – 19 Chlorine Handling
 October 16 – 17 Small Water Systems
 October 18 – 19 Small Water Systems
 October 16 – 17 Small Wastewater Systems

Victoria

October 22 – 26 Water Distribution Level I
 October 22 – 26 Wastewater Collection Level I

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Prince George

October 23 – 25 TBD

Kelowna

November 5 – 9 Cross Connection
 November 5 – 9 Water Treatment Level I
 November 5 – 9 Water Distribution Level I
 November 5 – 9 Water Distribution Level II
 November 6 – 7 Small Water Systems

Nanaimo

November 12-17 Water Treatment Level I
 November 12 – 17 Water Distribution Level I
 November 13 – 14 Small Water Systems

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Applications to write exams must be submitted to the EOCP Office no later than two weeks prior to the exam session.

Please phone BCWWA @ 604 540-0111 for information on the above courses.

