

A G E N D A

Thursday April 5th, 1973 2:00 P.M.

1. Minutes from meeting of January 24th, 1973.
2. Accounts.
3. Financial Statements for the year ended December 31st, 1972.
4. Appointment of Observers:
  - (a). Thompson - Nicola Regional District - G. Bowers.
  - (b). City of Vernon - Ald. F. Williamson.
  - (c). City of Kelowna - Ald. W.J.C. Kane and N.J. Deck.
  - (d). Regional District of Columbia Shuswap - J.E. Kerr.
  - (e). Corporation of the District of Summerland - Ald. H. Stoll.
5. Correspondence:
  - (a). V. Raudsepp - Re: Reconsideration of decisions made under Section 13 (6) of the Pollution Control Act.
  - (b). Regional District of Central Okanagan - Request for Secretary-Manager to attend Technical Meetings of Regional Districts when water quality and quantity are discussed. *MAR 14 / 73*
  - (c). View Point Motel - Re: Debris resulting from foreshore dredging. *- MENTION SUMMERLAND MEET RE: CANNERY WATERS AND COUNCIL*
  - (d). Hon. R. Williams - Re: Provincial Grant for purchase of aquatic weed harvesting equipment. *- Letter R.D.M.C. \* \* D STEWART \* FES GRANT*
6. Consideration of research grant for aquatic weed control in confined areas using polyethylene. *MAX \$200 - MENTION WEST KEIS, VERNON MARINA, SUMMERLAND BOAT BASIN*
7. Applications for Pollution Control Permits.
  - (a). Letter - V. Raudsepp - Re: objection to application for permit by Adam Milling.
  - (b). Crown Zellerbach - Reconsideration of application to discharge effluent.
  - (c). William Miller, Joe Lesowski, John Lesowski - effluent from ore concentrator. *- In Plant Process - Monitor Receiving Water Temp.*
  - (d). O.K. Ready-Mix Ltd. - Vernon, Penticton.
  - (e). South Okanagan Concrete Co. - Penticton.
  - (f). Sages Cement Ltd. - Vernon & Coldstream.
  - (g). Uncle Ben's Industries Ltd.
  - (h). Barkwills Limited - Summerland. *- Ice Silo - in Fall*
  - (i). D.L. Milne Cannery Ltd. - Summerland.
  - (j). Summerland Sweets Ltd.
  - (k). Summerland Cooperative Growers Association.
  - (l). Laurel Co-operative Union.
  - (m). Oliver - Osoyoos Co-operative Growers Association.
    - Oliver Plant.
    - Osoyoos Plant.
    - Kaleden Plant.
  - (n). W.J. Marshall.
  - (o). North Enderby Meat Packers.
  - (p). Westinghouse Laundromat - Summerland.
  - (q). C. Headey Laundromat - Oliver.
8. Snow survey and Lake level. *r) Hadley Footst*
9. Brief to Public Inquiry. *APR 30 VICT*
10. Other Business.

*- E. ANTHONY VICT**- PCB LAB VERNON**- DATE NEXT MEET*

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
APRIL 5th, 1973, 2:00 P.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: P. Farmer (Vice-Chairman) R.D.O.S.  
Mrs. G.V. Lawrence R.D.O.S.  
M. Marshall R.D.C.O.  
Mayor H. Roth R.D.C.O.  
Mayor S. Fleming R.D.N.O.  
T. Oxley R.D.N.O.  
W. Parchomchuk (Secretary-Manager)

Also in attendance:

B. Harvey Vernon Irrigation District

Press and Radio:

Vernon News, Kelowna Daily Courier, CKOV Radio, CKOK Radio.

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Minutes: Fleming - Lawrence

That the minutes of the meeting of January 24th, 1973 be adopted as circulated.

CARRIED

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Accounts: Accounts outstanding totalling \$499.08 were presented.

Fleming - Marshall

That the accounts outstanding totalling \$499.08 be accepted for payment.

CARRIED

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Financial Statements: Audited financial statements for the year ended December 31st, 1972 were presented. The statements included Balance Sheets, and Statements of Revenue and Expenditure for the year. A surplus of \$1,056.00 for 1972 was indicated.

Fleming - Marshall

That the financial statements as presented be adopted.

CARRIED

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Appointment of Observers: Letters were received appointing the following observers to the Okanagan Basin Water Board:

Thompson Nicola Regional District - G. Bowers  
City of Vernon - Alderman F. Williamson  
City of Kelowna - Alderman W.J.C. Kane and  
N.J. Deck  
Regional District of Columbia Shuswap - J.E. Kerr  
Corp. of the Dist. of Summerland - Alderman H. Stoll

Marshall - Lawrence

That the above mentioned observers to the Water Board be accepted.

CARRIED

Correspondence:

The following letters were read:

V. Raudsepp 1. Letter from V. Raudsepp, Chairman, Pollution Control Board, stating  
Reconsider- that the Pollution Control Board requested legal advice regarding the  
ation of Dec- earlier question raised by the Water Board that the Pollution Control  
isions under Board should and could reconsider decisions made by the Board under  
Pollution Section 13 (6) of the Act. Legal advice indicates that in the absence  
Control Act: of express statutory authority, the Pollution Board has no jurisdic-  
tion to reconsider an earlier decision made under Section 13 (6) after  
a decision on an earlier meeting has been issued.

Mayor Fleming felt that the Water Board should express concern that  
the procedure is arbitrary. An appeal procedure should be implemented  
under Section 13 (6) of the Pollution Control Act.

Fleming - Lawrence

That a letter be written to the Pollution Control Board stating that  
there should be some recourse for decisions made by the Pollution Control  
Board and that there be an appeal procedure within Section 13 (6) of the  
Pollution Control Act.

CARRIED

R.D.C.O. 2. Letter from the Regional District of Central Okanagan stating that a  
Request for Resolution was adopted by the Regional Board requesting authorization  
Secretary- from the Okanagan Basin Water Board to permit the Secretary-manager to  
Manager to attend Technical Planning Committee meetings of the three Regional Dis-  
attend Tech- tricts when water quality, water quantity and Pollution Control applica-  
nical Comm- tions were being discussed.  
itee Meetings: Mr. Farmer mentioned that the Municipal Act defines the content of Reg-  
ional District Technical Committees. However, the Chairman of Regional  
Technical Committees could on occasion, as required, invite additional  
members to attend.

Fleming - Marshall

That the Regional Districts be informed that the Okanagan Basin Water  
Board has no objection to the Secretary-Manager attending Regional District  
Technical Committee meetings if and when required to review items relating to  
water management. The Secretary-Manager would attend meetings only as required.

CARRIED

W.H. Beairsto3. Letter from W.H. Beairsto of the Viewpoint Motel in Osoyoos drawing the  
Viewpoint attention of the Board to a dredging operation, carried out in front of  
Motel - Debris the Starlight Motel located on Osoyoos Lake. Mr. Beairsto expressed  
on foreshore: concern that it could be the cause of siltation and the spreading of  
organic debris along the recreational beach front on Osoyoos Lake. The  
debris has littered beaches for approximately half a mile. Mr. Beairsto  
also expressed concern that the newly dredged Island, made up of much  
decayed organic material like peat moss, would be eroded when the Lake  
level rises in the spring creating further nuisance problems. Mr. Bea-  
irsto wished to know who is responsible for the issuance of a permit to  
do the work and who was responsible for its supervision.

Mr. Farmer suggested that this type of operation would be under juris-  
dication of the Lands Branch. The Secretary-Manager mentioned the Water  
Rights Branch may also have some jurisdiction in this matter, since  
dredging was involved.

The Secretary-Manager had visited the area. An extensive debris and  
nuisance problem had in fact resulted on the beach.

Lawrence - Roth

That the matter be referred to the Lands Branch.

CARRIED

Hon. R. Williams -  
Aquatic Weed  
Harvesting  
Equipment:

4. Letter of February 22nd from the Honorable R. Williams, Minister of Lands, Forests, Water Resources, Recreation and Conservation. The letter was in reply to earlier Okanagan Basin Water Board correspondence requesting the Province to purchase aquatic weed harvesting equipment for use in the Okanagan and throughout the Province. The Minister stated that in view of the experimental nature of the program, he was prepared to offer a Grant to the Okanagan Basin Water in the amount of 75% of the actual cost of the purchase of weed removal equipment based on an estimated cost of \$44,000. This equipment will include a Harvester, Trailer, Truck, Hydraulic Loader, Dump Box, spare parts and Portable Pump and Hoses. The Grant is conditional upon:
  1. The Okanagan Basin Water Board being responsible for all operation and maintenance costs.
  2. The Okanagan Basin Water Board providing an annual weed removal schedule to the Water Resources Service in order that they can arrange to collect data in connection with scientific studies of weed removal.
  3. The Okanagan Basin Water Board will make the equipment available to other local authorities at a nominal cost to cover maintenance.

The Secretary-Manager mentioned he had written the Regional Districts informing them of the Governments' offer and had asked for an initial reaction to the offer and local cost sharing of the required balance.

Correspondence from the Regional District of North Okanagan indicated the Regional District had passed a Resolution agreeing in principle to the purchase of weed harvesting equipment with the three Regional Districts participating in the sharing of a \$10,000.00 balance.

Mrs. Lawrence informed that the Regional District of Okanagan Similkameen had passed a Resolution stating that it was not willing to enter into a cost sharing formula for the purchase of weed removal equipment, and further that the Okanagan Basin Water Board should be advised that the Regional District regards with disfavor the Water Board getting into the weed removal program and that this should be the responsibility of the Regional District.

Mr. Marshall mentioned he felt the Regional District of Central Okanagan was not opposed to the purchase of weed removal equipment, but further information would be required. He further asked if the Okanagan Basin Water Board would not coordinate this program, then which Regional District would handle it.

Mr. Farmer indicated that in the Regional District of Okanagan Similkameen there were certain Electoral Areas outside the Okanagan Basin. He wondered what use these areas could make of the harvesting equipment. He felt the Board could be getting away from its original intent. The Regional District of Okanagan Similkameen would like to review details of cost sharing more closely.

Mr. Marshall felt then there should be some suggestions as to how this program could be worked out.

Mayor Fleming mentioned that \$10,000 is only a small fraction of a mill when spread between the three Regional Districts. Capital cost required by the three Regional Districts is minimal. This would be of value to the entire area. Mayor Fleming noted the Water Board does not have facilities to house or to maintain and operate the equipment; however, he indicated the City of Vernon would enter into an agreement to maintain and house and to operate the equipment. The Water Board could still schedule and supervise the program. Machinery would be made available to other areas on a use rate basis. There would be no operating costs charged to the Board. Those areas using the machine would be charged a direct hourly use rate. The City of Vernon would accommodate and oversee the operation of equipment. The Water Board would still be responsible for scheduling and ensuring equitable use throughout the Valley and other portions of the Province.

Mayor Roth suggested that the Board accept the offer of the City of Vernon. Mayor Fleming and Mayor Roth suggested that the Water Board enter into this procedure after a meeting of the three Regional District Chairmen. The Secretary-Manager mentioned that although it would be possible to import the harvesting machine duty free, other support equipment, including the truck, may not be allowed into Canada since it was used equipment. However, if senior levels of Government were contacted, and the purpose of the equipment stated, there may be a possibility of bringing the total machinery into Canada. The Secretary-Manager mentioned that other methods of aquatic weed control were being researched extensively, including the use of chemicals; however, information on this aspect of control is still lacking particularly with respect to side effects on the environment. He stressed that the aquatic weed harvesting is not the final answer in weed control, but would provide at least a temporary measure for keeping some recreation areas clear during the summer period. Final control can only be expected when nutrients and silts causing aquatic growth are diverted away from the Lakes.

Operating costs for the entire harvesting equipment, including a self-loading truck for removing weeds from shore, would be \$14/hr. The cost to outside areas would be approximately \$18/hr. to help recover some of the Capital costs placed into the equipment by the local area.

Upon suggestion of Mr. Farmer, the Board agreed that the Secretary-Manager should further write to the Regional Districts proposing how the machine would be financed and how it would be maintained and operated by the City of Vernon. Then the three Chairmen and Administrators of the Regional Districts could meet and work out details.

Roth - Oxley

That the Water Board agree to the purchase of aquatic weed harvesting equipment, subject to approval by the three participating Regional Districts.

CARRIED

Research

Grant:Aquatic Weed Control - Using Polyethylene: The Secretary-Manager mentioned that Black Polyethelene has been used in several instances to control aquatic weeds by shading out light. This method has a good potential for use in various small confined areas, such as boat basins, where the water is relatively protected, thereby, reducing the possibility of disturbance. He asked the Board whether they would consider entering into a cooperative research project at the Summerland Boat Basin, whereby, local residents would provide the labour and pay half the cost of material. Other areas have been approached as well to experiment with this method.

Mayor Fleming mentioned that several residents have tried this method in Vernon and it has been successful on a small basis.

Oxley - Fleming

That the Secretary-Manager be authorized to grant up to a maximum of \$100.00 for a research project using polyethelene to control aquatic weeds.

CARRIED

Applications for Pollution Control Permits:

V.Raudsepp a). Letter of February 14th, 1973 from V. Raudsepp, Chairman of the Pollution Control Board stating that the Pollution Control Board has considered the Water Board letter of January 31st, objecting to an application for a permit by Adam Milling: Milling Ltd. to discharge effluent from an ore mill at Olalla, B.C. The Pollution Control Board decided that the Director of the Pollution Control Branch shall take the Water Board objection into consideration when making his decision.

Fleming - Marshall

That the letter of February 14th, 1973 from Mr. Raudsepp be received and filed.

CARRIED

Crown Zellerbach: b). The Secretary-Manager explained that the application by Crown Zellerbach to discharge effluent and sawdust from a sawmill-plywood mill complex in Kelowna had been reviewed by the Board, during the January 24th meeting, and the Board had objected because of high water temperatures and the discharge of sawdust and other debris to the Lake. The objection of the Water Board had been forwarded, by the Pollution Control Branch, to Crown Zellerbach. Representatives of the Company had then met with the Chairman and Secretary-Manager to outline corrective actions that the Company would undertake over the next two year period to curtail and eliminate pollutants from Okanagan Lake.

A covering letter from Crown Zellerbach stated that although the maximum effluent temperature asked for in the application was 95° the effluent would in fact average temperatures much less than this. At maximum ambient surface water temperatures of 75° F the effluent would reach 85° - 90° F. The highest single temperature recorded during 1972 was 89° F. By 1975 all waste bearing effluents will be eliminated. Only two outfalls would remain, and these will be returning cooling water.

Location of the hog fuel pile and boiler ash emission site have received consideration in the plans. The hog fuel pile will be relocated further back. The boiler ash discharge site will be protected by a metal wall at the Lake edge. Operation of the bucking saw is covered by a separate permit application. Operation of the saw in water will be discontinued with the start of a new plant in 1974. The Secretary-Manager mentioned that the Company had indicated that sawdust from bucking saws would be eliminated as early as 1973. Effects of water temperature in the Bay cannot be entirely predicted due to currents, winds, evaporation and other variables. It was suggested that a monitoring procedure be established, and if significant temperature rises are indicated, corrective action can be taken. This should become a condition of the permit. Because the Company is introducing in-plant procedures to eliminate outfalls, the period to achieve this would be greater than merely building a sewage treatment plant. The suggested date by the company, 1974, for removal of most outfalls and 1975 for the elimination of all waste bearing outfalls is a reasonable objective in view of the in-plant procedures necessary to achieve this.

The Secretary-Manager indicated that it would be possible for the Board to review its objection by forwarding a letter to the Pollution Control Board stating the conditions the Board would require the Company to meet before a Pollution Control Permit is granted.

Mayor Roth indicated that the Regional District of Central Okanagan had withdrawn its' objection to this application, in view of the changes the Company has proposed.

Marshall - Lawrence

That the Secretary-Manager be instructed to write the Pollution Control Board stating the conditions the Water Board expected to be written into the Company's Permit, which the Company would be required to meet to prevent Pollution.

CARRIED

W. Miller, c). An application by William Miller, Joe Lazowski, and John Lazowski to discharge effluent from an ore concentrator located approximately 12 miles south and east of Cherryville into settling ponds for recycling back through the mill process. The average daily volume would be twenty five thousand gallons. The Secretary-Manager mentioned that he was not able to see this particular application in the field due to snow conditions; however, there was to be no surface discharge from this operation.

Marshall - Fleming

That the application by Wm. Miller, Joe Lazowski and John Lawozski be received and filed.

CARRIED

OK Ready-Mix and South Okanagan Concrete Co.: d) - e). Applications for Pollution Control Permits by Okanagan Ready-Mix Ltd. and South Okanagan Concrete Co. to discharge effluent from rinsing ready-mix concrete trucks into pits in Vernon and Penticton. There would be no surface discharge of effluent. Effluent volume discharged to pits was small.

Oxley - Lawrence

That the application by Okanagan Ready-Mix Ltd. and South Okanagan Concrete Co. be received and filed.

CARRIED

Sasges Cement Products Ltd. f). Application for Pollution Control Permit by Sasges Cement Products Ltd. to discharge rinse water from concrete trucks into a wash pit near Vernon. Water would then go to several sumps for further settling before discharge to the Creek.

The Secretary-Manager indicated that since there is some lead content in the washings, surface discharge to receiving water was not desirable. It is possible to maintain the effluent within a pit.

Oxley - Lawrence

That the Okanagan Basin Water Board suggest that Sasges Cement Products Ltd. maintain the effluent water within a pit and there be no surface discharge.

CARRIED

Uncle Ben's Industries: g). Uncle Ben's Industries application for an amendment to a Pollution Control Permit to discharge effluent from a Winery into a septic tank and tile drain field. The Secretary-Manager mentioned that he had inspected the site, and found the toe of the drainfield had broken out and effluent had surfaced to run down a side hill. The area was generally suitable for land disposal of effluent either by spray irrigation or tile field. However, the field should be corrected prior to granting a permit.

Roth - Fleming

That the application for an amendment to a Pollution Control Permit by Uncle Ben's Industries Ltd. be tabled for further report.

CARRIED

Barkwills Ltd - Summerland: h). Application for a Pollution Control Permit by Barkwills Limited Fruit Cannery in Summerland to discharge effluent from a canning operation to a spray irrigation system and to Eneas Creek in Summerland. The Secretary-Manager had inspected the site on several occasions. Effluent water would be spray irrigated and only cooling water would be discharged to the Creek. No pollution problem had arisen from this operation.

Fleming - Lawrence

That the application by Barkwills Limited be received and filed.

CARRIED

D.L. Milne  
Cannery  
Ltd.:

i). Application for Pollution Control Permit by Mrs. D.L. Milne Cannery Ltd. of Summerland to discharge effluent from a fruit and vegetable cannery in Summerland onto land adjacent to the Cannery. The Secretary-Manager mentioned that he had inspected the site and commended this operation highly, since effluent water and cooling water were mixed with irrigation and applied to fruit crops used in the Cannery. There was no discharge to surface water. The operation was efficiently managed and controlled. He suggested this would be an excellent example for other operations of this nature to view and to implement similar pollution control measures.

Roth - Fleming

That the application for a Pollution Control Permit by D.L. Milne Cannery be received and filed, and that a letter of commendation be written to the Cannery.

CARRIED

Summerland  
Sweets  
Ltd.:

j). Application for a Pollution Control Permit by Summerland Sweets Ltd. to discharge effluent, from a fruit processing plant making candy fruit, wine basis, and fruit syrups, into a Municipal flume and into a rock pit, for settling and filtration and subsequent irrigation of orchard land.

The Secretary-Manager had visited the site. There was no surface discharge of effluent.

Marshall - Lawrence

That the application for a Pollution Control Permit by Summerland Sweets be received and filed.

CARRIED

Summerland  
Cooperative  
Growers  
Association:

k). Application for a Pollution Control Permit by Summerland Cooperative Growers Association, Summerland, B.C. to discharge effluent from a Fruit Packing House into a sediment tank and rock pit on the property. The Secretary-Manager had visited the site. The effluent was contained within rock pits with exfiltration into the ground. There was no surface discharge of effluent.

Roth - Marshall

That the application for a Pollution Control Permit by Summerland Cooperative Growers Association be received and filed.

CARRIED

Laurel  
Cooperative  
Union:

l). Application for a Pollution Control Permit by Laurel Cooperative Union of Kelowna to discharge effluent from a Packing House into a storm drain which flows into Okanagan Lake. The quantity of effluent discharged would be approximately 100 gallons per day of wash water, and approximately 7,500 gallons of cooling water. The Secretary-Manager had visited the site and indicated that although there were no problems with the cooling water, since it was essentially pure water with only a slight temperature rise; however, the small volume of wash water did contain suspended solids and detergent. This was being placed in a storm drain flowing into Okanagan Lake. It was suggested that a rock pit be installed similar to that found at the Summerland Canneries. Mayor Roth mentioned that the Regional District of Central Okanagan had decided not to object to this application, but to forward the comments of the Okanagan Basin Water Board to the Pollution Control Branch.

Roth - Marshall

That the Okanagan Basin Water Board not object to this application, but that a recommendation be forwarded to the Pollution Control Branch suggesting that a rock pit be installed at this site to contain the small amount of effluent wash water.

CARRIED



Oliver Osoyoos Cooperative Growers Association: m). Applications for Pollution Control Permits by Oliver-Osoyoos Cooperative Growers Association to discharge effluent from Packing and Cold Storage Plants located at Oliver, Osoyoos and Kaleden. The Secretary-Manager had visited the sites. A large amount of cooling water was discharged; however, with only a slight temperature rise. Wash water effluent volume was small. The plant at Osoyoos discharges wash water to the Municipal system; however, plants at Oliver and Kaleden discharged wash water to the Lake. The Secretary-Manager suggested that a rock pit with ground exfiltration be established for these small volumes of wash water at the Oliver and Kaleden plants. These would be similar to rock pits in existence at the Summerland Packing Plants.

Roth - Marshall

That the effluent wash water originating from the Oliver Plant of the Oliver-Osoyoos Cooperative Growers Association be required to pass through a rock pit and ground exfiltration.

Lawrence - Marshall

That the wash water effluent originating at the Kaleden Plant of the Oliver-Osoyoos Cooperative Growers Association be discharged to subsoil.

CARRIED

W.J. Marshall: n). Application for a Pollution Control Permit by W.J. Marshall to discharge effluent from a slaughter house on Hwy 97 North of Kelowna onto farm land for fertilizer. Mr. Marshall left his place at the table. The amount of effluent discharged daily would be 145 gallons. The Secretary-Manager had visited the site and mentioned that use of this effluent in this manor could be beneficial as a fertilizer; however, odor problems would have to be controlled.

Fleming - Oxley

That the application for a Pollution Control Permit by W.J. Marshall be received and filed.

CARRIED

North Enderby Meat Packers: o). Application for a Pollution Control Permit by North Enderby Meat Packers near Enderby, B.C. to discharge effluent from a slaughter house into a septic tank and tile drain field. The quantity of effluent discharged daily would be 400 gallons. The Secretary-Manager had visited the site and confirmed that there would be no surface discharge.

Fleming - Marshall

That the application for a Pollution Control Permit by North Enderby Meat Packers be received and filed.

CARRIED

Westinghouse Laundromat-Summerland: p). Application for a Pollution Control Permit by Westinghouse Laundromat of Summerland to discharge effluent from a commercial laundromat into a ground absorption field. Daily discharge would be 300 gallons. The Secretary-Manager had visited the site and confirmed that there would be no surface discharge of effluent.

Oxley - Roth

That the application for a Pollution Control Permit by Westinghouse Laundromat be approved, received and filed.

CARRIED

Oliver  
Osoyoos  
Cooperative  
Growers  
Association:

- m). Applications for Pollution Control Permits by Oliver-Osoyoos Cooperative Growers Association to discharge effluent from Packing and Cold Storage Plants located at Oliver, Osoyoos and Kaleden. The Secretary-Manager had visited the sites. A large amount of cooling water was discharged; however, with only a slight temperature rise. Wash water effluent volume was small. The plant at Osoyoos discharges wash water to the Municipal system; however, plants at Oliver and Kaleden discharged wash water to the Lake. The Secretary-Manager suggested that a rock pit with ground exfiltration be established for these small volumes of wash water at the Oliver and Kaleden plants. These would be similar to rock pits in existence at the Summerland Packing Plants.

Roth - Marshall

That the effluent wash water originating from the Oliver Plant of the Oliver-Osoyoos Cooperative Growers Association be required to pass through a rock pit and ground exfiltration.

Lawrence - Marshall

That the wash water effluent originating at the Kaleden Plant of the Oliver-Osoyoos Cooperative Growers Association be discharged to subsoil.

CARRIED

W.J.  
Marshall:

- n). Application for a Pollution Control Permit by W.J. Marshall to discharge effluent from a slaughter house on Hwy 97 North of Kelowna onto farm land for fertilizer. Mr. Marshall left his place at the table. The amount of effluent discharged daily would be 145 gallons. The Secretary-Manager had visited the site and mentioned that use of this effluent in this manor could be beneficial as a fertilizer; however, odor problems would have to be controlled.

Fleming - Oxley

That the application for a Pollution Control Permit by W.J. Marshall be received and filed.

CARRIED

North  
Enderby  
Meat  
Packers:

- o). Application for a Pollution Control Permit by North Enderby Meat Packers near Enderby, B.C. to discharge effluent from a slaughter house into a septic tank and tile drain field. The quantity of effluent discharged daily would be 400 gallons. The Secretary-Manager had visited the site and confirmed that there would be no surface discharge.

Fleming - Marshall

That the application for a Pollution Control Permit by North Enderby Meat Packers be received and filed.

CARRIED

Westinghouse  
Laundromat-  
Summerland:

- p). Application for a Pollution Control Permit by Westinghouse Laundromat of Summerland to discharge effluent from a commercial laundromat into a ground absorption field. Daily discharge would be 300 gallons. The Secretary-Manager had visited the site and confirmed that there would be no surface discharge of effluent.

Oxley - Roth

That the application for a Pollution Control Permit by Westinghouse Laundromat be approved, received and filed.

CARRIED

C. Heady - Oliver: q). Application for a Pollution Control Permit by C. Heady of Oliver, B.C. to discharge effluent from a laundromat, five miles North of Oliver, into a septic tank and tile field. The amount of effluent discharged would be 600 gallons daily. The Secretary-Manager had visited the site and confirmed that there would be no surface discharge of effluent.

Roth - Lawrence

That the application for a Pollution Control Permit by C. Heady Laundromat be approved, received and filed.

CARRIED

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Hedley  
Feedlot:

Mr. Farmer mentioned that there had been considerable local concern about the establishment of a large feedlot on the Similkameen River near Hedley. The close proximity of the feedlot to the River and highway presented a potential pollution problem. The Secretary-Manager had visited the site and had contacted the owner, the B.C. Cattlemen's Association, and the Pollution Control Branch, to determine what corrective action could be taken.

A letter of March 13th, from the Pollution Control Branch, stated that there is an exemption from the Pollution Control Act, provided for operations which are considered to be traditional farming practices. When a situation is encountered, which is not clearly definable one way or the other, the Pollution Control Branch asks for assistance in the definition of a traditional operation from the Provincial Department of Agriculture. In this instance the Department of Agriculture have accepted the feedlot at Hedley as coming within the traditional farming operation.

A memorandum from the Department of Agriculture, to the Pollution Control Board suggested that the Okanagan Basin Water Board refer the problem again to the Environmental Committee of the B.C. Cattlemen's Association.

Mrs. Lawrence mentioned that the cattle on the feedlot have now been sold. If the land has been sold as a feedlot it could be a continuing problem. Mr. Marshall suggested that the problem be left with the Department of Agriculture.

Marshall - Fleming

That the Hedley Feedlot operation be kept under advisement.

CARRIED

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Snow Survey  
and Lake  
Levels:

9 The Secretary-Manager reported on the most recent snow survey and levels of Okanagan Lake. Although the March 1st snow survey showed a much below average snowpack in both the Okanagan and Similkameen water sheds, early indications from the April 1st pack indicate some courses have made a recovery. After March snowfalls, almost 90% of average snowpack is now found on some courses. Fortunately up to half the storage capacity of most reservoirs is still in place. Okanagan Lake level has been kept at a relatively high elevation since December. Discharge has been a minimal 175 cfs. The present level of Okanagan Lake (approximately 1121.40 ft.) is about .1 ft. above the previous maximum lake level for this date. Only 2.38 ft. are required to fill the Lake. The Lake is presently 1.62 ft. above the minimum level.

Brief to  
Public  
Inquiry:

The Secretary-Manager mentioned that the Okanagan Basin Water Board Brief to the Public Inquiry into Municipal Waste Discharges has now been completed and mailed to Board members. If the Board wish to make any additional comments, these could be added. Mayor Fleming mentioned the Engineering Department of the City of Vernon had reviewed the Brief and endorsed it completely.

Mr. Farmer felt the Brief was well written and that a copy should be circulated to each Municipality.

Mayor Fleming reasserted the need for approximately 3,500 acres of land, which would be required by the City of Vernon for a proposed sewage effluent disposal scheme. The City would have to be assured of the land for at least 30 years.

Mayor Roth felt that the Water Board was basing decisions on the premise that all outfalls must be removed from the lake. The Kelowna Plant is presently eliminating approximately 50% of the Phosphorous. The Mayor asked was it necessary for the Municipalities to incur high costs to remove outfalls completely from the Lake. Mr. Marshall mentioned that public opinion may force all outfalls from the Lake.

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Other Business

Next  
Regular  
Meeting:

Due to the Public Inquiry into Municipal Wastes occurring during the first week of May, the next regular meeting would be postponed until later in May.

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The meeting adjourned at 3:45 P.M.

OKANAGAN BASIN WATER BOARD

A G E N D A

Wednesday January 24th, 1973 2:00 P.M.

1. Letter R.D.O.S. appointing F.W. Laird Director to the end of 1972.
2. Minutes from meeting of November 16th, 1972.
3. Accounts.
4. Chairman's Report.  
Secretary-Manager's Report
5. Appointments to Okanagan Basin Water Board for 1973 term.
  - (a). Regional District of North Okanagan
  - (b). Regional District of Central Okanagan
  - (c). Regional District of Okanagan Similkameen
6. Election of Officers.
7. Correspondence:
  - (a). City of Penticton - Appointment of Observer
  - (b). Village of Oliver - Appointment of Observer
  - (c). Village of Osoyoos- Appointment of Observer
  - (d). Honorable J. Davis and Honorable R. Williams,  
Re: Okanagan Basin Study Implementation.
  - (e). Corporation of the District of Summerland,  
Re: Applications for Pollution Control Permits by:
    1. MacDonalds Consolidated Ltd.
    2. Fish Hatchery.
  - (f). Honorable D. Cocke,  
Re: Placement of septic tank absorption fields.
8. Outline of submission to Inquiry into Municipal Wastes.
9. Applications for Pollution Control Permits:
  - (a). V. Raudsepp - Letter, Re: Application by Coldstream Ranch Ltd.
  - (b). Application by Crown Zellerbach Canada Ltd. to discharge effluent from a Sawmill - Plywood Mill Complex.
    - Letter - Water Board
    - Letter - V. Raudsepp
    - Bucking Saw Application.
  - (c). W.N. Venables - Letter, Re: Application for Pollution Control Permit by Summerland Fish Hatchery.
  - (d). Application by Adam Milling Ltd. to discharge effluent to a tailings impoundment.
  - (e). Application by Lakeshore Bottling Co. Ltd. to discharge effluent from a Bottling plant.
10. Other Business

*- mention Aquatic Pest Report*  
*- meeting Dates.*

Committee Meeting

*Report*  
*to the Districts*



OFFICE OF  
THE SECRETARY-MANAGER  
540 GROVES AVENUE  
KELOWNA, BRITISH COLUMBIA  
TELEPHONE (604) 763-4918

January 10th, 1973

OKANAGAN BASIN WATER BOARD

N O T I C E

A regular meeting of the Okanagan Basin Water Board will be held on Wednesday, January 24th, 1973 at 2:00 P.M. in the office of the Regional District of Central Okanagan, 540 - Groves Avenue, Kelowna, British Columbia. Note: For this month only the meeting will be held on a Wednesday rather than Thursday.

A Chairman and Vice-Chairman for the 1973 term will be elected.

( A preliminary agenda is enclosed )

L. Bawtree  
Chairman.



# OKANAGAN BASIN WATER BOARD

OFFICE OF  
THE SECRETARY-MANAGER  
540 GROVES AVENUE  
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A Chairman and Vice-Chairman for the 1973 term will be elected.

L. Bawtree  
Chairman.

No meetings held for  
February or March, 1973.



No meetings held  
May, 1973

OKANAGAN BASIN WATER BOARD

A G E N D A  
- - - - -

Thursday June 14th, 1973 2:00 P.M.

1. Letter, Regional District of Central Okanagan  
- Appointment of A. Duncan to the Water Board.
2. Minutes from meeting of April 5th, 1973.
3. Accounts.
4. Correspondence:
  - (a). V. Raudsepp, Chairman, Pollution Control Board.  
Re: appeals under Section 13(6) Pollution Control Act.
  - (b). A.J. Chmelauskas, Assistant Director, Pollution Control Branch.  
Re: Application for Pollution Control Permit - Fish Hatchery.
  - (c). H.P. Klassen, Pollution Control Branch,  
Re: Application for Pollution Control Permit - MacDonald's Consolidated.
  - (d). V. Raudsepp - Re: Objections to Pollution Control Applications.
  - (e). V. Raudsepp - Re: Crown Zellerbach Application for Pollution Control Permit.  
R.A. Jemson, Crown Zellerbach Ltd. - Re: Discharge of sawdust.
  - (f). B.C. Cattlemen - Re: I. Nelson feedlot.
  - (g). Hon. J. Davis - Re: Federal Government assistance for Aquatic Weed Control.
5. Aquatic Weed Harvesting rates and scheduling.
6. Regulation of Osoyoos Lake level.
7. Public Inquiry into Municipal Wastes - Report.
8. Okanagan Basin Study, White Paper No. 2.  
Task Force Recommendations - Comments.
9. Applications for Pollution Control Permits.
10. Other Business.

Committee Meeting

1. E. Anthony, Water Rights Branch.  
Re: Application for Water Licence by Beaupark Ranch Ltd.

OKANAGAN BASIN WATER BOARD

A G E N D A

Thursday June 14th, 1973 2:00 P.M.

1. Letter, Regional District of Central Okanagan  
- Appointment of A. Duncan to the Water Board.
2. Minutes from meeting of April 5th, 1973.
3. Accounts.
4. Financial Statement - 1st quarter.
5. Correspondence:
  - (a). School District 23  
Re: Co-sponsorship of water resources seminar.
  - (b). V. Raudsepp, Chairman, Pollution Control Board.  
Re: Appeals under Section 13(6) Pollution Control Act.
  - (c). A.J. Chmelauskas, Assistant Director, Pollution Control Branch.  
Re: Application for Pollution Control Permit - Fish Hatchery.
  - (d). H.P. Klassen, Pollution Control Branch.  
Re: Application for Pollution Control Permit - MacDonald's Consolidated.
  - (e). V. Raudsepp - Re: Objections to Pollution Control Applications.
  - (f). V. Raudsepp - Re: Crown Zellerbach Application for Pollution Control Permit.  
R.A. Jemson, Crown Zellerbach Ltd. - Re: Discharge of sawdust.
  - (g). B.C. Cattlemen - Re: I. Nelson feedlot.
  - (h). Hon. J. Davis - Re: Federal Government assistance for Aquatic Weed Control.
6. Aquatic Weed Harvesting rates and scheduling. →
7. Regulation of Osoyoos Lake level. →
8. Public Inquiry into Municipal Wastes - Report. ✓
9. Okanagan Basin Study, White Paper No. 2.  
Task Force Recommendations - Comments.
10. Applications for Pollution Control Permits.
  - (a). Halfway House Resort - Laundromat.
  - (b). T.W.H. Mckinnon - Septic tank effluent.
  - (c). Westmills Carpets.
  - (d). Park Mobile Home Sales.
  - (e). Vernon Fruit Union.
  - (f). Keremeos Growers Co-operative Association.
  - (g). Haynes Co-operative Growers Exchange.
  - (h). Monashee Co-operative Growers Association.
  - (i). Naramata Co-operative Growers Exchange.
  - (j). Kelowna Growers Exchange Co-operative.
  - (k). Kelowna Ready-Mix Concrete Ltd.
  - (l). White Western Star.
  - (m). Pioneer Meat Packers Ltd.
11. Other Business.
  - (j). Kelowna Growers Exchange Co-operative.  
- Letter re aerial photos
  - (k). Kelowna Ready-Mix Concrete Ltd.
  - (l). White Western Star.
  - (m). Pioneer Meat Packers Ltd.
11. Other Business.
  - Letter re aerial photos
  - Letter re Vernon Spec (AKL WOOD LAKE STUDY)
  - NEXT MEETING

2 Letters

(MENTION IMPORTANCE HARVESTING ONLY)

→  
- USE POLICY  
- CAPITAL RECOVERY  
- NOT MONEY MAKING  
- ECOLOGY DIV. RESEARCH  
- WEEDS STILL ON NATURAL INCREASE  
- SILT CONTROL + PARK SITE (COME TOGRIPS)  
- POLYVINYL  
WHO'S NAME EQUIPMENT TO BE IN

OK Lake Level & Snow Report

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
JUNE 14th, 1973 2:00 P.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

1.

Present: F.W. Laird (Chairman) R.D.O.S.  
P. Farmer (Vice-Chairman) R.D.O.S.  
Mrs. G.V. Lawrence R.D.O.S.  
H. Thompson (Alternate) R.D.O.S.  
L. Dooley R.D.C.O.  
A. Duncan R.D.C.O.  
S. Fleming R.D.N.O.  
T. W. Oxley R.D.N.O.  
W. Parchomchuk (Secretary-Manager)

Also in attendance:

Mayor W. Barkwill Summerland  
B. Harvey Association of B.C. Irrigation Districts  
G. Sinclair Okanagan Basin Study  
E. Anthony Water Rights Branch  
G. Penner Water Rights Branch

Press and Radio:

Vernon News, Penticton Herald, Kelowna Daily Courier, CKOV Radio, CKIQ Radio.

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Appointment of A. Duncan to the Water Board: A letter of May 18th, 1973, from the Regional District of Central Okanagan, was read appointing Mr. A. Duncan to replace His Worship Mayor H. Roth on the Okanagan Basin Water Board for the interim period until the June election in the New City of Kelowna.  
Farmer - Lawrence

That the Board ratify the appointment of A. Duncan to the Water Board.

CARRIED

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Minutes: The minutes of the meeting of April 5th, 1973 were presented for approval.

Farmer - Duncan

That the minutes of the meeting of April 5th, 1973 be adopted as circulated.

CARRIED

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Accounts: Accounts outstanding totalling \$1,058.16 were presented.

Lawrence - Duncan

That the accounts outstanding totalling \$1,058.16 be paid.

CARRIED

Quarterly Statement of Expenditure:      The Secretary-Manager presented a statement of expenditures incurred by the Board from January 1st - March 31st, 1973. Total expenditure for the first quarter was \$4,653.00. This compared favorably with the total budget for 1973 of \$23,630.00.

Lawrence - Farmer

That the statement of expenditure for the first quarter be approved.

CARRIED

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Mayor Fleming entered the meeting.

Okanagan Basin Study White Paper No.2 Comments:      The Board had been mailed copies of White Paper No. 2 containing Task Force recommendations on the Okanagan Basin Study. Mr. Sinclair, Public Participation Coordinator of the Okanagan Basin Study, attended the meeting to receive any comments the Board wished to make.

Mr. Sinclair mentioned that this White Paper was still in the draft stages and changes would be made once all information received at recent Task Force meetings was compiled.

The Secretary-Manager mentioned that suggestion of an Implementation Authority for the Study received considerable attention during Task Force meetings. He had also recalled concern of the Okanagan Basin Water Board, during the past two years, regarding implementation of the Study.

Mr. Sinclair mentioned that the summer work of the Task Forces would try further to lay out principles for an Authority to implement the Study.

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Mr. Oxley entered the meeting.

Mr. Farmer asked what appeared to be the general public consensus during the overall Task meetings. Mr. Sinclair replied that it appeared most people were interested in the preservation of the present life style and the upkeep of recreation opportunities and facilities. It was also suggested that tourists pay for a portion of costs of maintaining local tourist recreation facilities. A desire for good water quality and recreational opportunity also ranked high.

The Chairman thanked Mr. Sinclair for attending the meeting, and for the work he had done under the Okanagan Basin Study in organizing Task Forces.

Mr. Sinclair mentioned that draft copies of the final report of the Okanagan Basin Study would be made available to the Water Board prior to release.

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Correspondence:

The following letters were read:

School District #23 Re: Seminar

1. A letter of May 22nd, 1973 from School District #23, asking if the Board was interested in co-sponsoring a fall seminar on water resource management. This would be done in a series of four night school sessions.

The Secretary-Manager mentioned that he had discussed the proposal with the School Board and the Okanagan Basin Study. Before a seminar of this nature could be arranged, it would be necessary to determine the schedule

of the Public Participation Program of the Okanagan Basin Study for the fall.

A separate series of Water Resource seminars running parallel to the Okanagan Basin Study was not recommended.

A cooperative approach between the Study, the School Board and the Okanagan Basin Water Board would have to be entertained.

Mr. Thompson urged the Board to take advantage of every opportunity to educate the public.

Farmer - Lawrence

That the Okanagan Basin Water Board take this opportunity to co-sponsor a water resources seminar provided that a suitable schedule could be arranged with the Okanagan Basin Study.

CARRIED

V. Raudsepp 2. Letter from V. Raudsepp, Chairman, Pollution Control Board indicating  
Objections that the Pollution Control Board has received the Okanagan Basin Water  
to Pollution Board letter of April 11th concerning objections under Section 13(6) of  
Control the Pollution Control Act. The Board would bring the views of the  
Applications: Okanagan Basin Water Board to the attention of the Government.

Farmer - Duncan

That the above letter be received and filed.

CARRIED

A.J. Chme- 3. Letter from A.J. Chmelauskas, Assistant Director, Pollution Control Br-  
lauskas, anch concerning the Summerland Fish Hatchery. The letter informed that  
Re: Summer- Pollution Control Permit No. PE-1583 dated May 9th, 1973 has been issued  
land to the Department of Public Works for the Fish Hatchery at Summerland.  
Hatchery:

The Secretary-Manager recalled the past deliberations of the Okanagan Basin Water Board on this permit. Upon reviewing the Permit, which has now been granted, the Secretary-Manager noted that there has not been any considerable change in the works at present, except for a collection system and an extended outfall. The quality of effluent would not be improved. He had visited the Plant again recently, and suggested a possible improvement would be separate treatment of water originating from wash-out of rearing tanks each morning. Since wash water flushed during the half hour cleaning period contained the heaviest pollution load, this could very easily be diverted away from the main flow to a separate settling basin and filters.

He suggested that this Permit be viewed only as a temporary Permit until a comprehensive solution could be found for managing waste jointly from the Hatchery, the Summerland Cannery, and some areas of the District of Summerland.

Mr. Farmer suggested the Government should be a leader in the field of pollution control and asked whether the Government has been listening to the recommendations of the Water Board.

The Secretary-Manager mentioned that the Pollution Control Branch had arranged a meeting in the early spring with representatives from the Okanagan Basin Water Board, the District of Summerland, the local Health Unit, and the Fish Hatchery. Improved methods for managing this waste were discussed.

Mrs. Lawrence suggested that a letter be written to the Pollution Control Branch suggesting the above mentioned changes and improvements to the Permit.

Lawrence - Farmer

That a letter be forwarded to the Pollution Control Branch suggesting improvements in the works as stated above.

CARRIED

- H.P. Klassen  
Re: MacDonald's  
Consol.:
4. Letter from H.P. Klassen, Pollution Control Branch, concerning the application for Pollution Control Permit by MacDonald's Consolidated Cannery at Summerland. The letter informed that Pollution Control Permit No. PE-1160 dated May 24th, 1973 has been issued to MacDonald's Consolidated Cannery at Summerland. In adjudicating the application, the Pollution Control Branch recognized that the most satisfactory solution for the discharge was to remove it from the present receiving water and apply it to land; however, as the latter scheme could involve other parties and since action regarding the discharge is required immediately, the Permit was issued. However, a schedule of compliances would have to be met by the Cannery. These included in-plant modifications to remove solids, provision of chlorination, construction of activated sludge prior to the 1974 operating season, provision of additional treatment facilities considered necessary by the Director to meet effluent requirements which may result from the Okanagan Study report, and/or the Food Products Inquiry, prior to commencement of the 1975 operating season.

Mr. Farmer asked how Summerland Council had received this Permit. Mayor Barkwill replied that the Council was prepared to go along with this revised Permit. The District of Summerland was still working on a comprehensive scheme for handling all the wastes in the area.

The Secretary-Manager mentioned that these Permits should only be viewed as temporary Permits.

Fleming - Oxley

That the Permit, as issued to MacDonald's Consolidated Limited, be approved.

CARRIED

- V.Raudsepp  
Re: Letter of  
Objection:
5. Letter from V. Raudsepp, Chairman, Pollution Control Branch, acknowledging receipt of letters concerning applications for Pollution Control Permits by Oliver - Osoyoos Co-op Growers Association, Laurel Co-op Union, Uncle Ben's Industries, and Sasges Cement Products.

Farmer - Lawrence

That the above letter be received and filed.

CARRIED

- V.Raudsepp  
Re: Crown  
Zellerbach  
application:
6. Letter from V. Raudsepp, Chairman, Pollution Control Board, stating that the Pollution Control Board has received the Water Board letter of April 12th concerning an application for a Pollution Control Permit by Crown Zellerbach to discharge effluent into Okanagan Lake at Kelowna. The views of the Okanagan Basin Water Board regarding this application have been forwarded to the Director of the Pollution Control Branch to be taken into consideration in making a decision on the application.

Lawrence - Duncan

That the above letter be received and filed.

CARRIED

- Crown  
Zellerbach  
Sawdust  
Emission
7. Letter from R.A. Jemson, Crown Zellerbach Ltd., stating that Crown Zellerbach had received copies of the Water Board correspondence to Mr. Raudsepp, Chairman of the Pollution Control Board, stating objection to the discharge of sawdust from bucking saws located at the log pond in the Kelowna mill complex. The new mill now under construction would include a log bundle lift and a dry land cut-off operation which should eliminate sawdust discharged to water by the fall of 1973.

Oxley - Farmer

That the above letter be received and filed.

CARRIED

B.C. Cattle- 8. Letter from the B.C. Cattlemen stating that the Cattlemen understood  
men Re: that the I. Nelson Feedlot, near the Similkameen River, has been completely  
I. Nelson depopulated and could be for sale. Directors of the Keremeos Livestock  
Feedlot: Association and the Cattlemen have been in touch with Mr. Nelson and no  
further action is planned at this time.

Mrs. Lawrence stated that the feedlot operator may be going out of business. Mr. Farmer expressed concern that if the land upon which the feedlot was located is for sale it could be resold as another feedlot.

Lawrence - Farmer

That the above letter be received and filed.

CARRIED

Hon. J. Davis 9. Letter from the Honorable Jack Davis, Minister Environment Canada, stating  
Re: Weed the Government of Canada could not offer a Grant towards the Capital Cost  
Control of weed control equipment as requested by the Board in a letter of March  
Grant: 19th, 1973.

The Secretary-Manager mentioned that a letter had been sent, subsequent to the time of the refusal of this Grant, to the Honorable Jack Davis requesting that the slightly used truck, which forms an integral part of the harvesting mechanism, be allowed entry into Canada. There are presently tariff items prohibiting entry of this type of equipment. A reply from Mr. Davis' office indicated that his office could not offer any assistance in having the equipment imported into Canada.

The Secretary-Manager mentioned that he had approached several different avenues including Customs Brokers, The Pacific Region of the Customs and Excise Branch and the Office of the Minister of National Revenue for a waiver of the Tariff Item prohibiting entry of the truck. The only remaining alternative appeared to be an Order in Council, if the Dept. of Industry, Trade and Commerce would support this. The Vancouver Customs Office had informed that the Water Board would not be able to accept the truck even as a gift.

Mayor Fleming suggested that the Provincial Government be approached and present the case to the Federal Government on behalf of the Board. The Environment Minister's Office was showing extreme lack of cooperation in this Pollution Control effort.

Fleming - Oxley

That the Province of British Columbia, through the Minister of Lands, Forests and Water Resources, be approached to assist in importation, through Customs, of aquatic weed harvesting equipment.

CARRIED

Mayor Fleming suggested that the Board also write to the Federal Members of Parliament, submitting copies of all correspondence exchanged with the Honorable Jack Davis's Office, and further that a request be made to table all correspondence in the House of Commons for debate.

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Aquatic Weed The Secretary-Manager informed that the aquatic weed harvesting equipment  
Harvesting had arrived from Olympia on June 12th. The used truck, equipped with hydraulic  
Rates and loader, was in the country only on a temporary basis.  
Scheduling:

The Chairman and Administrators of the Three Regional Districts had met on May 25th to discuss financing of the approximately \$10,000 Capital balance required on the equipment. The three Chairman agreed to recover this portion of the Capital by adding it to the use rate of operating the machine. Only those areas using the equipment would pay for Capital recovery.



The Secretary-Manager indicated that arrangements have now been made with the City of Vernon to operate and house the machine. He asked the Board whether they wished to retain the equipment in the name of the Board and have it leased to the City of Vernon at a nominal fee of \$1.00 per year. Mayor Fleming pointed out that if the equipment were leased to the City there would be an advantage in obtaining Fleet Insurance.

The Board agreed the equipment should be placed within the City of Vernon on lease in order to take advantage of Fleet Insurance.

Mr. Farmer suggested that the Regional Districts should also be asked whether they agree to leasing the equipment to the City of Vernon. The Districts would have to be contacted in this regard.

Mayor Fleming mentioned that the City Engineer would keep account of all costs incurred during the year so that a statement of costs could be presented. Mayor Fleming indicated that the City agreed with the principles outlined in a draft by the Okanagan Basin Water Board. The Secretary-Manager and the Vernon City Engineer had arrived at a rate that would be charged to those areas using the equipment. The rate would be \$19/hr. plus moving and accommodation costs. Ratification of this rate would be required by the Board.

Fleming - Oxley

That the \$19.00 use rate, and the principles of operation, as outlined in the draft copy of terms and conditions to apply between the Water Board and the City of Vernon, be accepted.

CARRIED

The Water Board would be responsible for collecting fees in those areas using the equipment and forwarding this amount to the City of Vernon.

The Secretary-Manager mentioned that weed growth was already near the water surface. This rapid growth is a good potential for protein production. Research on the use of aquatic weeds for agricultural purposes should be encouraged. Mrs. Lawrence suggested that the B.C. Cattlemen be contacted with the view to encouraging research into uses of aquatic weeds.

Lawrence - Farmer

That the B.C. Cattlemen be contacted and asked for assistance in finding methods of utilizing aquatic weeds, and that the Cattlemen's Association contact the Department of Agriculture for a Grant toward studies on Agricultural uses of aquatic weeds.

CARRIED

Osoyoos  
Lake  
Level:

The Secretary-Manager indicated that during the early spring, the level of Osoyoos Lake had dropped as low as 908.40 ft. according to the Okanagan Flood Control Datum. This is almost as low as the previous low record of 908.30 ft. set in 1966. The main reason for this low level could be attributed to a greater rate of discharge from the Lake, on the U.S. side of the Border, than the rate of input to the Lake. The level of Osoyoos Lake is essentially controlled by a mill pond operated by a private individual who has been instructed by the International Joint Commission not to increase the level of the Lake above 909.32 ft. B.C. Datum. This level represents the lower operating range of Osoyoos Lake. During the late winter and early spring, while B.C. Authorities were trying to conserve water in Okanagan Lake there was no provision for conservation by U.S. Authorities in Osoyoos Lake. Consequently water required for storage was released. During this period approximately 300 cfs was being released from Okanagan Lake while approximately 550 cfs was being released from Osoyoos Lake.

The Secretary-Manager mentioned that many property owners and resort owners and the Village of Osoyoos were concerned over present low levels. A request would have to be made, to U.S. Authorities, by the Province to retain more water in Osoyoos Lake.

Mr. Farmer suggested that a telephone call be placed to Mr. Raudsepp, Deputy Minister of Water Resources. He would be able to contact appropriate U.S. Authorities for correction to the rate of discharge.

Okanagan  
Lake  
Levels:

The Secretary-Manager mentioned that the level of Okanagan Lake was presently 1122.48 ft. This is 1.31 ft. below the maximum operating level and .7 ft. below average. The Okanagan River discharge has been kept at a minimum 200 cfs. The June 1st snow survey indicates most snow courses have been depleted. Upper reservoirs are approximately 90% full.

Public  
Inquiry Into  
Municipal  
Wastes:

The Secretary-Manager mentioned that he had attended the Public Inquiry Into Municipal Wastes sponsored by the Pollution Control Branch on May 1st and had presented the Okanagan Basin Water Board brief. In total there were 28 presentations to the Inquiry representing; Regional Districts, Federal and Provincial Agencies, Consulting Engineers, and Environmental Groups. Technical information presented is available at the Water Board office.

A general consensus during the Inquiry was that there should be basic guidelines for Pollution Emissions for the entire Province. The Province could be further divided into several management areas where more detailed guidelines could be set based on differences in stream flow, climate, geography, etc. There was some suggestion of establishing management agencies by area and involving local levels of Government as well. Many briefs suggested land disposal of effluent as being the best method for removing nutrients from water courses.

The panel of experts showed interest in the Okanagan Basin Water Board proposal of land disposal systems for effluent management in the Okanagan.

Mayor Fleming mentioned that there had been much interest in the Vernon Spray Irrigation project. A delegation from Moose Jaw was presently visiting the Plant. The same delegation had also toured the Penticton Plant.

#### Applications for Pollution Control Permits:

The following applications for Pollution Control Permits were presented to the Board:

Halfway  
House  
Resort:

1. Halfway House Resort - Application to discharge effluent from a laundromat at Oyama into a dry well and drainage field approximately 180 ft. from Kalamalka Lake. The average annual daily discharge would be 100 gallons. The Secretary-Manager had visited the site, and it appeared that contamination of surface water should not occur.

#### Lawrence - Fleming

That the application by Halfway House Resort be approved.

#### CARRIED

T.W.H.  
McKinnon:

2. Application for Pollution Control Permit by T.W.H. McKinnon to discharge effluent, collected by septic tank trucks, onto land near Dry Valley Road in Kelowna. The quantity of effluent to be discharged would be 50,000 gals. daily. Effluent would be spread on land and plowed under. The Secretary-Manager had visited the site and mentioned the main complaint arising from this operation was possible odor problems. However, there was no possibility of Water pollution. This was a good disposal method to prevent water contamination.

The Regional District of Central Okanagan had not opposed the application.

Duncan - Farmer

That the application by T.W.H. McKinnon be approved.

CARRIED

Westmills  
Carpets:

3. Application by Westmills Carpets Ltd. to discharge effluent from a Carpet Plant into a series of lagoons near Highway 97 north of Kelowna. Effluent would be treated in lagoons by mechanical aeration, gravity settling, mechanical screening, flocculation, air flotation and chlorination. Subsequently the effluent would be exfiltrated and used for crop irrigation as well. The amended application asked for an increase in the discharge over a two year period from 120,000 gal/day to 180,000 gal/day. The Secretary-Manager had visited the site. He mentioned that there could be a boron problem with the effluent when it is used to irrigate crops. Although plants require minor amounts of boron, they are highly susceptible when excess of boron is used. A monitoring program should be carried out near the ponds to determine whether boron levels are reaching a significantly high level. It may not be possible to irrigate crops with the effluent, as suggested, by the applicant.

89

Farmer - Fleming

That the application by Westmills Carpets be granted.

CARRIED

Park  
Mobile  
Home  
Sales:

4. Application by Park Mobile Home Sales to discharge effluent from a Mobile Home Park at Westbank into an extended aeration secondary treatment plant with subsequent ground disposal of effluent. The average annual daily discharge would be 70,000 gals. The Secretary-Manager mentioned that he had visited the site with representatives of the Central Okanagan Regional District Technical Committee. The present layout of the disposal site was on a bank close to McDougall Creek, and could lead to water contamination.
- The applicant will be submitting additional information and a new plan for effluent disposal. Consequently, it was recommended that the application be tabled.

Farmer - Lawrence

That the application by Park Mobile Home Sales Ltd. be tabled.

CARRIED

5. The following applications for Pollution Control Permits involving Fruit Packing Houses were considered together.
- Vernon Fruit Union.
  - Keremeos Growers Cooperative Association.
  - Haynes Cooperative Growers Exchange.
  - Monashee Cooperative Growers Association.
  - Naramata Cooperative Growers Exchange.
  - Kelowna Growers Exchange Cooperative.

The Secretary-Manager mentioned that he had visited all Packing Houses. Most discharges from Packing Houses are similar, involving a fairly large volume of cooling water with a small temperature rise, and a minute volume of wash water, approximately 600 gals/day per Packing House, used for washing and rinsing fruit. He indicated that most Packing Houses discharge the wash water containing some nutrients and solids to rock pits or other ground exfiltration facilities. However, several plants still maintain direct discharges to surface watercourses. These should be corrected. Of the Plants listed above, those presently discharging to surface watercourses include the Vernon Fruit Union, the Monashee Cooperative Growers Association, and the Naramata Cooperative Growers Exchange.

Farmer - Oxley

That the applications by the Vernon Fruit Union, the Monashee Cooperative Growers Association and the Naramata Cooperative Growers Exchange be objected to.

CARRIED

Farmer - Lawrence

That applications by the Keremeos Growers Cooperative Association, Haynes Cooperative Growers Exchange and the Kelowna Growers Exchange Cooperative be approved.

CARRIED

Kelowna  
Ready-Mix  
Concrete  
Ltd.:

6. Application by Kelowna Ready-Mix Concrete Ltd. to discharge effluent from concrete transit mixer trucks into a pit within the yard at Kelowna. The maximum daily discharge would be 1,000 gals.

The Secretary-Manager had visited the site. There would be no surface discharge of water.

Oxley - Farmer

That the above application be approved.

CARRIED

White  
Western  
Star Ltd.:

7. Application by White Western Star Heavy Duty Truck Assembly Plant to discharge effluent from septic tanks and paint booths at the Kelowna Plant into drainage fields and evaporation ponds. The average annual daily discharge of septic effluent would be 5,875 gals. The maximum daily discharge to evaporation ponds from paint booths would be 13,460 gals. The Secretary-Manager had visited the site and indicated there would be no surface discharge of water.

Duncan - Fleming

That the application by White Western Star be approved.

CARRIED

Pioneer  
Meat  
Packers Ltd.:

8. Application by Pioneer Meat Packers Ltd. to discharge effluent from a meat packing plant into a dry well and drainage field located in Rutland. Average annual daily discharge would be 9,000 gals. The Secretary-Manager had visited the site and indicated there would be no surface water discharge.

Lawrence - Duncan

That the application by Pioneer Meat Packers Ltd. be approved.

CARRIED

Other Business

Kal-Wood  
Lake  
Study

The Secretary-Manager mentioned that residents had been inquiring regarding the present status of the Kalamalka-Wood Lake Study. Correspondence should be directed to the Provincial Government inquiring as to the present status of the Study. The Board agreed to contact the Province.

Next Meeting

The Chairman inquired of the Board whether they wished to follow the procedure as in previous summers, whereby, summer meetings would not be held, except as required. Mr. Farmer suggested that calling of summer meetings be left to the discretion of the Chairman and the Secretary-Manager.

Farmer - Oxley

That calling of summer meetings be left to the Chairman and Secretary-Manager.

CARRIED

Fleming - Oxley

That the meeting be adjourned.

CARRIED

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The meeting adjourned at 3:45 p.m.

No meetings held  
July, or August, 1973



MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD SEPTEMBER 21st, 1973 3:45 P.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

Present: F.W. Laird (Chairman) R.D.O.S.  
G.V. Lawrence R.D.O.S.  
P. Farmer R.D.O.S.  
R.W. Postill R.D.N.O.  
S. Fleming R.D.N.O.  
H. Thwaite R.D.C.O.  
E. Lamont R.D.C.O.  
L. Dooley R.D.C.O.  
G. Sinclair Okanagan Basin Study  
W. Parchomchuk (Secretary-Manager)

Beaupark  
Ranch  
Water  
Licence  
Applica-  
tion:

The Chairman mentioned the purpose of this meeting would be to finally review the Beaupark Ranch Ltd. water licence applications. A meeting had been held between a Committee of the Regional District of Central Okanagan and North Okanagan to review the licence, as suggested during the previous meeting of the Board.

Mayor Postill mentioned that the Beaupark water licence application was originally for approximately 5000 lots. The Regional District of North Okanagan was very concerned about this development and established criteria which temporarily have stopped development. The Developer then entered District Lot 3688 in the Regional District of Central Okanagan where he has currently developed 172 lots and will pump from the lake. The development is also planned to enter the North Okanagan Regional District for further expansion, in the Beaupark Ranch area.

Mayor Postill felt this development must be slowed down or stopped because it is 25 - 30 years premature. He suggested that a water licence be granted for just the 172 lots and withheld on any further development.

Mayor Laird indicated that he had toured the area, with the Secretary-Manager, and was very concerned about how far the development has gone without any form of formal approval.

Mayor Postill indicated that the Regional District of North Okanagan has a By-Law to stop this type of development, but that such a By-Law did not exist in the Central Okanagan Regional District.

The Secretary-Manager explained that water licences up to 4000 acre feet have been applied for, by Beaupark Ranch Ltd., for the entire development. The Developer is now proceeding only in small stages compared to the initial development proposal. The first 172 lots have essentially been completely serviced already, and a Public Utilities Commission certificate granted. These lots exist in the Regional District of Central Okanagan. Alternate plans of the development are to move into the Regional District of North Okanagan. The water licence being considered now, is only for the first stages of the development. Approximately 86,000 gallons/day would be required only for the 172 lots. However, the total application is for 3,200,00 gallons/day.

Mr. Farmer questioned whether the Water Board should be used as a means to control development where the Regional District of Central Okanagan should have been used.

Mayor Postill said that the Board must look ahead to what will become of the sewage from these developments.

Mayor Fleming indicated that the Regional District of Central Okanagan could not legally stop this development since there is not a By-Law covering it. The Regional District of North Okanagan had established 28 criteria for this development. The Developer has only met 9 of these. This type of development must be stopped otherwise it could grow to 5,000 lots; all on septic tanks. Mayor Fleming stressed, the Board should make sure that this development is limited to only 172 lots. The Regional District of Central Okanagan is in an impossible situation since the land is not zoned. He had crossed into this Regional District from the North Okanagan.



Alderman Lamont was concerned about several other developments along the West side of Okanagan Lake. There has been no zoning. The Regional District of Central Okanagan, he felt, was remiss. A By-Law has been developed curtailing subdivision development without a water supply.

Mayor Fleming indicated that he supported Mayor Postill entirely and that the Board should object to any further development in the Beupark area. He felt that if necessary a water licence should only be granted to that area which is now legally required and stop any further developments so that he does not enter the Regional District of North Okanagan. Development on the West half of the Lake has been unsupervised so far. Mrs. Lawrence felt the Board should be concerned with pollution from this development as well.

Alderman Lamont said that he was concerned with the amount of development on the West slope of Okanagan Lake, in the Regional District of Central Okanagan. He asked the Water Board to appeal to the Regional District of Central Okanagan to see whether the development could be controlled.

Mayor Postill indicated that the Developer has done nothing illegal in the Regional District of Central Okanagan. Everything has been done legally, since the Department of Highways has given tentative approval.

The Chairman questioned whether a development should proceed as far as it has without being given final approval. The Secretary-Manager mentioned that the intake pipe has already been placed across Crown Land on the bottom of the Lake and that the development could have been stopped until a permit to cross Crown Land was obtained. Usually a permit to cross Crown Land for water intake is given only at the time a water licence is issued. Also a Public Utilities Commission certificate had been given long before a water licence was issued. In the future, Public Utilities Commission certificates and water licences will be issued on the same day.

Alderman Lamont felt that the Developer would now have to be allowed to go ahead with the 172 lots since they are almost completely serviced already. He also felt that the Water Board should correspond with the Regional District of Central Okanagan to place zoning on the West side of the Lake. The same standard should be applied in both the North Okanagan and Central Okanagan. The Chairman indicated that since the Water Board has looked closely at Pollution Control Permits, they must also look at this water licence closely as well. Mayor Postill indicated in order to remain viable, the Water Board must maintain the quality of the lakes. Septic tanks must be moved back from the shoreline.

The Secretary-Manager indicated that even though the development has progressed as far as it has, and the Developer has received a Public Utilities Commission certificate, the Water Rights Branch has in no way committed any water, not even for the first 172 lots. The Board then felt that an objection should be made not only to further licencing but to licencing even for 172 lots.

Postill - Lamont

That the Okanagan Basin Water Board object strongly to any further licencing on the West slope of Okanagan Lake without first looking into Pollution aspects. Licencing should be withheld until a complete waste disposal method is submitted to the Board.

CARRIED

Mr. Lamont asked the Board also to consider requesting the Regional District of Central Okanagan to control Westside developments.

Farmer - Postill

That the Water Board is concerned with development on the West side of Okanagan Lake with consequent water pollution. The Board wishes the Regional District of Central Okanagan to take appropriate steps in curtailing random development in the Westside area.

CARRIED

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Mr. Sinclair entered the meeting.

Meeting Ar- The offices of the Okanagan Basin Water Board and the Okanagan Basin  
rangements Study had made preliminary arrangements for a meeting between the Water Board  
Consultative and the Consultative Board to the Study.  
Board, Okana-

gan Basin Mr. Sinclair was in attendance at the meeting and indicated that the  
Study and Study was now nearing completion. The final report would be due in October,  
the Okanagan but the Study had been extended to March for printing and presentation of the  
Basin Water report to the public. The Consultative Board would like to meet with the Water  
Board: Board on the evening of October 30th. A Press Conference would be held that  
afternoon, by the Consultative Board, to release recommendations and the final  
report for public reaction. That evening a supper meeting could be held with  
the Water Board. A draft copy of the final report would be made available to  
the Board ten to fifteen days ahead of this meeting.

It was suggested that a dinner meeting start approximately at 6:00 p.m. to be followed by a meeting between the two groups, to consider the final report. Mayors and Chairman of Regional Districts throughout the Okanagan should be invited to the meeting. The meeting would be held in camera. The Board agreed to the format of this meeting. Details would be arranged between the Water Board office and the Study office. The Water Board would sponsor this meeting.

Mr. Sinclair indicated that another multi-meeting seminar would be held on November 26th to answer further questions from the public and the Board.

Thwaite - Postill

That the meeting be adjourned.

CARRIED

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The meeting adjourned at 4:40 p.m.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
SEPTEMBER 21st, 1973. 2:00 P.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: F.W. Laird (Chairman) R.D.O.S.  
G.V. Lawrence R.D.O.S.  
P. Farmer (Vice-Chairman) R.D.O.S.  
R. Postill (Alternate) R.D.N.O.  
S. Fleming R.D.N.O.  
H. Thwaite R.D.C.O.  
E. Lamont R.D.C.O.  
L. Dooley (Alternate) R.D.C.O.  
W. Parchomchuk (Secretary-Manager)

Also in attendance:

W.C. Bennett Mayor, City of Kelowna.  
Gwen Holland Alderman, City of Kelowna.  
B. Harvey Vernon Irrigation District.  
G. Sinclair Okanagan Basin Study.  
C. Hutton Alderman, Village of Oliver.  
T. Waldon City of Vernon.  
H. McNeccan City of Vernon.

Press and Radio:

Kelowna Daily Courier, Vernon News, CKIQ Radio, CKOV Radio.

Appointment  
of C.J.  
Hutton to  
the Water  
Board - as  
Observer:

The Chairman introduced Mr. Chester J. Hutton of Oliver, who had been appointed by the Village of Oliver, by letter of August 27th, 1973, as representative of the Village to the Okanagan Basin Water Board. Mr. Hutton was welcomed to the meeting.

Minutes:

Minutes of the meeting of June 14th, 1973 were presented for approval.

Thwaite - Farmer

That the minutes of the meeting of June 14th, 1973 be adopted as circulated.

CARRIED.

Accounts:

Accounts outstanding totalling \$1,024.38 were presented.

Fleming - Lawrence

That the accounts totalling \$1,024.38 be paid.

CARRIED

Financial  
Statement:

The Secretary-Manager presented the Financial Statement for the six months ended June 30th, 1973. Total expenditure to date has been \$9,663.00. Mr. Farmer indicated the budget appeared well in hand.

Farmer - Fleming

That the Financial Statement for the six months ended June 30th, 1973 be accepted.

CARRIED

Correspondence:

The following letters were read:

L.A. Bergman 1.  
Re: Kalamalka  
-Wood Lake  
Study:

Letter from L.A. Bergman, Senior Hydraulic Engineer, Water Investigations Branch, replying to the Water Board letter of June 22nd, 1973 concerning the Kalamalka - Wood Lake Water Basin Study. Mr. Bergman indicated that it was decided to extend the data collection period of the Study through the 1973 runoff year to approximately July 15th in order to monitor nutrient transfer in the Basin in a year of near average runoff. This extension of data collection has moved the completion date of the final report from December, 1973 to April, 1974. Agencies and groups on the Study mailing list would be advised when to attend a public meeting in the fall to comment on a number of possible water management alternatives.

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Mayor Fleming expressed concern that another delay in the Kalamalka - Wood Lake Study was necessary. He suggested that a definite date for completion be established and that a definite date be set for the fall public meeting concerning the Study. There should be some clarification on these dates.

Farmer - Thwaite

That the above letter from Mr. Bergman be received and filed, and that the Water Board receive definite dates for the fall public meeting relative to the Study and the final completion date.

CARRIED

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V. Raudsepp 2.  
Re: Effluent  
V.F.U.  
Monashee Co-op  
Naramata Co-op:

Letter of June 28th, 1973 from V. Raudsepp, Chairman, Pollution Control Board, indicating receipt of the Water Board letter of June 22nd, 1973, in which the Water Board had reviewed applications for permits to discharge effluent from the Vernon Fruit Union, Monashee Co-operative Growers Association, and the Naramata Cooperative Growers Exchange. The comments of the Board concerning improvements in the method of discharging wash water from these operations have been noted and the Pollution Control Board would refer the letter to the Director of the Pollution Control Branch for his attention.

Fleming - Farmer

That the above letter be received and filed.

CARRIED

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B.E. Marr 3.  
Re: Cheque  
Aquatic  
Weed  
Harvesting  
Equipment:

Letter of June 15th, 1973 from B.E. Marr, Chief Engineer, Water Investigations Branch, indicating an enclosed cheque in the amount of \$33,000. being an advance against the Water Investigations Branch share of the cost of the Aquatic Weed Harvesting Equipment. The advance was based on the estimated total cost of the Equipment of \$44,000. This was subject to change in the event of a price adjustment.

The Secretary-Manager mentioned that all Documents and Invoices are now in concerning purchase of the machine. The final cost was \$715.00 lower than initially anticipated, therefore, a cheque in the amount of \$536.08 should be returned to the Water Investigations Branch.

Fleming - Thwaite

That a cheque in the amount of \$536.08 be returned to the Water Investigations Branch as the return portion of Aquatic Weed Harvesting Equipment.

CARRIED

Lease Agreement  
Re: Aquatic Weed Harvesting Equipment:

4. Letters from the Regional District of Okanagan-Similkameen, the Regional District of Central Okanagan, and the Regional District of North Okanagan were presented to the Board. The letters indicated that all three Regional Districts supported the Okanagan Basin Water Board's decision to lease Aquatic Weed Harvesting Equipment to the City of Vernon. The City of Vernon would in turn operate the Equipment throughout the Okanagan and the Province as requested by the Water Board.

The Secretary-Manager mentioned that a lease agreement has now been drawn up.

Farmer - Lawrence

That the above correspondence be received and filed.

CARRIED

Experimental Project using Herbicides for Aquatic Weed Control:

The Secretary-Manager explained that the Ecology Division of the Water Investigations Branch has been conducting research on Aquatic Weeds along with the Okanagan Basin Water Board in the Vernon Area for the past two years. The Ecology Division is now interested in trying several experimental plots using herbicides for aquatic weed control. The technique has been used in many other parts of the country. The Secretary-Manager explained that he had written letters to the Village of Coldstream, the City of Vernon and to the Regional District of North Okanagan requesting their permission before the program is undertaken. He also indicated that the Ecology Division would set up a Committee comprised of representatives from Fisheries, Health, and other Government Agencies, to insure the safety of chemicals used.

The Ecology Division wishes to have the consent of the Water Board as well. The Secretary-Manager mentioned herbicide use would only be on a pilot scale and complementary to aquatic weed harvesting. He indicated that aquatic weed harvesting was the method previously chosen because of public opinion concerning the use of herbicides; however, he stressed that the proper precautions would be taken by the agencies involved. A letter had been received from the SPEC organization in Vernon indicating opposition to the use of chemicals.

Thwaite - Fleming

That the Okanagan Basin Water Board agree to a small scale experimental project using herbicides for the control of aquatic plants in the North end of Okanagan Lake and Kalamalka Lake. This project to be undertaken by the Ecology Division.

CARRIED

Precipitation, Lake Levels, & Stream Flow:

The Secretary-Manager mentioned that there had been considerable interest this summer on stream flow and weather records, since it was a very dry summer. He had compiled some recent and historic records on precipitation and stream flow.

Figures on April to August, 1973, precipitation for Kelowna, Penticton, Keremeos and Princeton were presented. These were compared with historic averages for these same months. In the period April to August, 1973 only 1.32 inches of rain had fallen in Keremeos, this is compared with a historic average of 4.32 inches for the same period. In Penticton from April to August, the monthly precipitation ranged between only 5% to 50% of normal.

In Kelowna the April to September 20th precipitation in 1973 was 3.13 inches. This was less than in the drought years of 1929, 1930 and 1931, being 5.00, 3.56 and 4.87 inches respectively.

A record had been established this summer for minimum net inflow into Okanagan Lake. During August the net inflow to Okanagan Lake was ~~4~~ 34,210 acre feet, this is the highest negative inflow on record. i.e. evaporation had exceeded stream inflow to the Lake by 34,210 acre feet. The net inflow to Okanagan Lake during the period April to July, 1973 was 123,780 acre feet as compared to the drought years of 1929 - 31 when April to July net inflow was 96,000 acre feet in 1929, 131,400 acre feet in 1930, and 116,000 acre feet in 1931. During the flood of 1972 the net inflow during the same period was 691,890 acre feet. The current level of Okanagan Lake was 1,120.99 feet elevation on the 20th of September. This is 1.2 feet above the minimum operating level.

The Secretary-Manager mentioned that many streams were dry or flowing at very minimal levels during the summer. Mission Creek, the largest tributary to Okanagan Lake, had only two or three cfs flow in the lower portions of the stream during August.

For the week ended September 11th, 1973 the minimum flow in the Similkameen River at Nighthawk was 280 cfs. This was a near record low for this period of the year. The lowest recorded flow on the Similkameen River for September was 202 cfs in 1940. During the drought years minimum flows on the Similkameen were: 252 cubic feet per second in 1929, 334 cubic feet per second in 1930, and 328 cubic feet per second in 1931.

Most irrigation districts had adequate storage water to bring them through the irrigation season, but several had very little to spare. There was some difficulty in the Scotty Creek Irrigation District, and the South East Kelowna Irrigation District. The Naramata Irrigation District had to increase capacity by pumping from Okanagan Lake. Those districts storing water did not incur great difficulties; however, individuals relying on natural stream flow for irrigation experienced water shortages as stream flow was very low or non-existent during the summer.

The Board agreed the above figures were very revealing as to the intensity and seriousness of this years drought, and suggested that these statistics be compiled and circulated to Regional Offices and to the public.

Mrs. Lawrence indicated that where figures are available to show the extent of this years dry condition better preparations can be made over the winter period should dry conditions continue.

Osoyoos Lake Level: Mr. Farmer mentioned that although Okanagan Lake had storage water available, water levels in Osoyoos Lake were very low. This was largely due to the terms of the International Joint Agreement which had set a maximum operating level, but had neglected a minimum operating level, consequently water is allowed out of Osoyoos Lake on the United States side of the Border creating very low water conditions this summer.

Mayor Fleming urged the Board to have the International Joint Commission change this situation. The Board should support an agreement to have a minimum operating level on the lake.

Mr. Farmer indicated that he had approached the Senior Levels of Government concerning the situation. He indicated that the Okanagan-Similkameen Flood Control Committee has already corresponded regarding this and pressure has been brought to bear on the Government to have the Dam, at the south end of Osoyoos Lake, changed. Mr. Farmer felt that additional correspondence, by the Water Board, may tend to confuse the issue.

Mrs. Lawrence suggested that copies of the Regional District of Okanagan Similkameen correspondence be sent to the Water Board.

Mayor Fleming felt that the Water Board should lent its support to improve the situation on Osoyoos Lake. This condition should not have been allowed. This should be brought before the Federal Parliament. There is no need to tolerate a situation where one man is allowed to control such an important body of

water, particularly in view of the large amounts of money that has been spent studying these lakes in an effort to control and conserve water.

The Chairman mentioned that although Osoyoos Lake is directly effected, this also has a bearing on the entire Okanagan as water must be conserved on Okanagan Lake rather than passing directly through the system.

Mr. Farmer suggested that the Secretary-Manager of the Water Board attend the next meeting of the Okanagan-Similkameen Floor Control Committee.

The Secretary-Manager explained that the Osoyoos Lake situation had been brought to the attention of the Senior Governments in the late winter when the Secretary-Manager and Mr. Metcalf of the Okanagan Flood Control office had realized that water was being released on the United States side of the Border at a much greater rate than the inflow to Osoyoos Lake. He had brought this to the attention of the Village of Osoyoos and to the Water Resources Service.

The Chairman said that the situation involved more than just Osoyoos Lake but the entire valley, and that the Water Board should send a letter supporting the concern of the Regional District of Okanagan-Similkameen.

Fleming-Lawrence

That the Okanagan Basin Water Board lend its support to the control by the International Joint Commission of water levels on Osoyoos Lake and that the letters of the Regional District of Okanagan-Similkameen on this topic be sent to the Okanagan Basin Water Board for information.

CARRIED

Applications for Pollution Control Permits:

- Primrose Dairy: 1. Application by Primrose Dairy of Armstrong, B.C. to discharge 50 gallons per day of effluent from a dairy farm into a ditch which discharges into Deep Creek. The Secretary-Manager had visited the site and indicated that the volume was very small; however, the present discharge to an open ditch was not desirable and suggested that the discharge be confined to a rock pit or some other means of ground disposal.

Farmer - Thwaite

That the above application be approved subject to the effluent being removed from the ditch.

CARRIED

OkReady-Mix, 2, 3, 4, 5, & 6.

Norgaard  
Ready-Mix,  
Martin &  
William Gibbs  
Ready-Mix,  
Coldstream  
Paving, &  
Starmix  
Paving:

Separate applications for Pollution Control Permits by Okanagan Ready-Mix of Kelowna, Norgaard Ready-Mix of Princeton, Martin and William Gibbs Ready-Mix of Summerland, and two separate applications by Coldstream Paving Ltd. of Coldstream and Starmix Paving of Penticton, were presented and reviewed jointly.

The Secretary-Manager indicated that the effluent water from concrete Ready-Mix plants was simply wash water from concrete trucks and was discharged to pits on the site. The effluent from the Paving plant was simply scrubbed out dust and was also discharged to pits on the site. There was no surface discharge of water in any of the above operations.

Farmer - Thwaite

That the applications for Pollution Control Permits by Okanagan Ready-Mix, Norgaard Ready-Mix, Martin & William Gibbs Ready-Mix, Coldstream Paving Co. Ltd., and Starmix Paving Ltd. be approved.

CARRIED

Crown  
Zellerbach  
Ltd.:

7. Application for an amendment to a Pollution Control Permit by Crown Zellerbach Ltd. of Kelowna to discharge effluent from a Cardboard Box Plant into a secondary treatment system with subsequent discharge to drain fields within 300 feet of Mill Creek. The Secretary-Manager mentioned that this amendment was merely to approve the amount of total solids in the effluent from 750 parts per million, as earlier indicated, to 1100 parts per million. This change was required in view of the actual operation of the treatment facility. The Secretary-Manager had visited the site. It was difficult to tell whether there were toxic components in the entire effluent as an entire chemical breakdown had not been given on the application; however, he suggested that this be reviewed by the Pollution Control Branch. Since there was a fairly large volume of discharge (approximately 18,000 gallons daily) into a drain field, some monitoring of nearby ground water should be implemented to see whether there would be contamination of nearby Mill Creek.

Farmer - Fleming

That the above application by Crown Zellerbach Ltd. be approved subject to monitoring.

CARRIED

Advance  
Fur  
Dressers  
Ltd.:

8. Application by Advance Fur Dressers Ltd., to discharge effluent from a Fur Dressing Plant located in the Municipality of Coldstream. The daily discharge would be approximately 200 gallons. Treatment would consist of screening, settling tanks, a tile field and a lagoon. The Secretary-Manager had visited the site. He noted the application stated several elements considered to be toxic, particularly, chromium, copper and chlorides. He suggested that even though the volume of effluent was small, some consideration should be given to these toxic elements; especially since the present lagoon is located within 60 feet of Coldstream Creek. It was suggested that this lagoon be moved further from the Creek. Mayor Postill of Coldstream also agreed the lagoon was to close to the Creek, and should not be approved on these basis.

Postill - Fleming

That the application by Advance Fur Dressers Ltd. be approved subject to the lagoon being moved further away from the Creek.

CARRIED

Helmut  
Gehringer  
Re: Car Wash:

9. Application by Helmut Gehringer to discharge effluent from a car wash at Osoyoos, B.C. into a ground drainage field, after it had passed through sediment tanks. The average daily discharge would be 200 gallons. The type of effluent would be typical car wash effluent.

Farmer - Lawrence

That the above application be approved.

CARRIED



- Impala Service Ltd.  
Re: Car Wash:
10. Application by Impala Service Ltd. to discharge effluent from a Coin-Operated Car Wash at Summerland, B.C. into the ground. The daily discharge would be 640 gallons. The Secretary-Manager had visited the site. There would be no surface discharge.

Thwaite - Postill

That the application by Impala Service Ltd. be approved.

CARRIED

- Victory Motors Ltd.:
11. Application by Victory Motors Ltd., of Kelowna to discharge effluent from a wash rack, used for washing cars; and a floor drain, for surface water, into a rock and gravel pit near Pandosy Street in Kelowna. The daily discharge would be 50 gallons. The Secretary-Manager had visited the site. There would be no surface discharge.

Farmer - Lawrence

That the application by Victory Motors Ltd. be approved.

CARRIED

- Vernon Fruit Union Re: Woodsdale, Oyama, & Winfield:
12. Application by the Vernon Fruit Union to discharge effluent from fruit packing operations at Woodsdale, Oyama, and Winfield. The type of effluent to be discharged would be rinse water from fruit washing operations. The amount of discharge would be approximately 500 - 1000 gallons a day from each of three packing plants.

The Secretary-Manager had visited the site. He mentioned that the plant at Woodsdale discharged effluent to an open ditch. Water in the ditch usually seeps away; however, the ditch does lead directly to Woods Lake and should be blocked. The Secretary-Manager mentioned that he had reviewed these applications, by the Vernon Fruit Union, in the Woods Lake area with the Technical Committee to the Regional District of Central Okanagan. It was a recommendation of that Committee that these applications be reviewed subject to completion of the Kalamalka-Wood Lake Study. Although these discharges were to ground water the Kalamalka - Wood Lake chain is becoming very delicate to any additional nutrients. It is likely that even discharges to groundwater may not be acceptable.

Fleming - Postill

That the applications by the Vernon Fruit Union be approved subject to review when the Kalamalka-Wood Lake Study is completed.

CARRIED

- Kelowna Growers Exchange:
13. Application by Kelowna Growers Exchange to discharge effluent from a "Stop Scald" applicator into the ground on the site, near Sexsmith Rd., in Rutland. The amount of discharge would be 600 gallons per year. The Secretary-Manager had visited the site and felt that there would be no water contamination.

Lawrence - Farmer

That the above application by Kelowna Growers Exchange be approved.

CARRIED

- Hiram Walker & Sons Ltd.:
14. Application for an amendment to a Pollution Control Permit by Hiram Walker & Sons Ltd. This application was for an amendment to increase suspended solids from 180 parts per million, as on the present Permit, to 375 parts per million to correspond with the existing operation. The amount of water discharged would be 200,000 gallons per day to a secondary treatment system and exfiltration lagoons. The Secretary-Manager had visited the site and reviewed it with Technical personnel. Monitoring wells had indicated a slight increase in alkalinity, salts and nitrogen; however, the increase was slight and not significant. The Secretary-Manager recommended that monitoring be continued.

Thwaite - Postill

That the application by Hiram Walker & Sons Ltd. be approved.

CARRIED

- McLeod's By-Products Ltd.:
15. Application by McLeod's By-Products Ltd. of Armstrong to discharge effluent from a Cattle By-Products Processing Plant into a pit located on the site. The daily discharge would be 150 gallons. The Secretary-Manager had visited the site. There would be no surface contamination of water.

Farmer - Postill

That the application by McLeod's By-Products Ltd. be approved.

CARRIED

- Union Carbide Canada Ltd.:
16. Application by Union Carbide Canada Ltd. of Vernon to discharge effluent from generation of acetylene, from calcium carbide, into a settling pond on the property. The discharge would be approximately 260 gallons/day. There would be no runoff from the pond. The effluent contained essentially calcium hydroxide. The Secretary-Manager mentioned that it may be worthwhile to explore uses for this by-product which has been used in the treatment of sewage effluent and for purifying water.

Thwaite - Postill

That the application by Union Carbide Canada Ltd. be approved.

CARRIED

- Kelowna Plating & Bumper Exchange Co. Ltd.:
17. Application by Kelowna Plating & Bumper Exchange Co. Ltd. of Kelowna, B.C. to discharge effluent from a chrome plating plant into the ground in the Westside Industrial Park near Kelowna. The average annual daily discharge would be 350 - 400 gallons.
- The Secretary-Manager had visited the site. Although the daily discharge was very small, the effluent contained some highly toxic components; mainly nickel, chromium, cyanide, and iron. If these toxics were to move through the soil, water contamination could eventually result. However; with the very small volume of water involved, chances of this was remote. Some monitoring should be done to insure safety of ground water supplies. It may be possible to precipitate out some of the toxic components before discharging effluent from the plant.

Postill - Farmer

That the application by Kelowna Plating & Bumper Exchange Co. be approved subject to appropriate monitoring.

CARRIED

Appointment  
of Directors  
From the  
Regional  
Dist. of  
Central  
Okanagan:

A letter of September 12th, 1973 from the Regional District of Central Okanagan was read. The letter advised that at the regular Board meeting of the Regional District held on July 18th, 1973, the following were appointed to the Okanagan Basin Water Board:

A. Duncan, H. Thwaite, E. Lamont, and L. Dooley (Alternate).

Mr. Lamont was the newly appointed member. The Board welcomed these appointments.

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Other Business:

Pollution  
Control  
Objectives  
for Food  
Processing  
and Agricu-  
turally  
Oriented  
Industries:

The Secretary-Manager mentioned that he had two reports available for members of Regional Districts, Municipalities, and the public who would be interested. The first was a report on Pollution Control objectives for the Food Processing Agriculturally Oriented and other Miscellaneous Industries. This was a preliminary draft, available for further comment. The objectives were the result of a Public Inquiry sponsored by the Pollution Control Branch in November of 1972. The Water Board had made a submission to this Inquiry relative to Agricultural and Food Processing wastes in the Okanagan. These guidelines would be of assistance to personnel involved in food and agricultural waste management in the Valley.

Digestive  
Waste  
Disposal:

Another report entitled "Digestive Waste Disposal - A New Alternative" indicated a newly engineered method of disposing of single home effluent by complete digestion. Some variations of the system partially recycled water, and others completely recycled water. These systems would be especially useful where water shortages occur and where the disposal of effluent is difficult, such as, in high water tables and hard ground surfaces. The report is available from G.W. Bentham and Associates Ltd., 332 - 1207 Douglas St., Victoria, B.C.

Vernon  
Spray  
Irrigation:

Mayor Fleming informed that a meeting would be held in Vernon on October 13th, 1973 to determine Vernon's proposal for full scale spray irrigation of the City's domestic sewage effluent. This would be a Conference type meeting with several Ministers from the Provincial Resource Departments, and several from the Federal Government present to determine the best means for implementing the Vernon Spray Irrigation project. The Minister of Agriculture, the Minister of Municipal Affairs, the Minister of Lands, Forests and Water Resources, the Federal Minister of the Environment and representatives from the Land Commission are expected to be at the meeting. This meeting would have implications for Spray Irrigation of sewage effluent and land use in the Valley. The Mayor said he knew the Water Board was interested in this type of solution because of resolutions passed by the Board recommending land disposal of effluent where possible. Mayor Fleming suggested that the Secretary-Manager and members of the Board be present as Observers.

Algae  
Tulameen  
River:

Mrs. Lawrence asked the Secretary-Manager to report on his reconnaissance trip into the Tulameen River and Otter Lake recently.

The Secretary-Manager mentioned that he had recently been in Princeton and had received complaints of Algae taste and odor in the domestic water supply system. He had investigated up stream into Otter Lake and the Tulameen River. The Algae taste appeared to be coming from Otter Lake as a result of the fall "die off" of Algae and turnover of the Lake. However, an abundance of long green filamentous algae was growing in the pristine section of the Tulameen River.

This was not expected as the water is very clear and no sources of effluent are found up stream on the river. When this abundant green algae dies off this will add further to odor and taste problems in the lower water supply system. He suggested that the Ecology Division of the Water Resources Service be contacted and Biologists be sent to investigate this type of growth found in the River. The Board agreed to this.

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Aquatic  
Weed  
Harvesting  
Machine:

Mayor Bennett asked the Board concerning availability of the aquatic weed harvesting machine. He wished to know whether the Board had funds to operate the machine in various areas throughout the Valley. There were several areas that were complaining of weed growth but the weeds were not harvested. The Secretary-Manager mentioned that the machine has been completely available all summer, but those Municipalities or private individuals wishing to use the machine must pay the use rate of \$19.00/hr. The Board and the Provincial Government have paid the entire Capital Cost of the machine. Now it would be the responsibility of local Municipalities and private individuals to meet only the operating costs. Once they are prepared to meet these costs the machine would be made available on very short notice.

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The meeting adjourned at 3:30 p.m.

No meetings held  
October, 1973

no meeting  
Oct 1973

Mr. Farmer, Vice-Chairman of the Okanagan Basin Water Board, opened the meeting and introduced members of the Consultative Board who were present. Mr. Farmer congratulated the Consultative Board in producing the final Report of the Okanagan Basin Study in a concise and understandable manner. He encouraged local representatives to accept the recommendations of this Report and to co-operate in implementing findings of the Report in order to protect the local environment for future generations.

Mr. Marr indicated that there was both a long and a short version of the Report. The Board had received a short summarized edition. A much larger volume was available for detailed information. Mr. Marr briefly reviewed the highlights of the Report:

- (1). He mentioned that with sound management and greater fluctuation of Okanagan Lake, the Okanagan should be able to meet all consumptive and non-consumptive water uses in most years. In extreme drought years only consumptive uses would be completely satisfied.
- (2). As a result of deterioration to water quality, there are proposals made in the Report for waste treatment and management for removal of phosphorus. All pollutants to tributary streams should be removed.
- (3). The Report indicated that there is a heavy demand for Water recreation. There must be sufficient public areas set aside to meet this expanding demand.
- (4). In Fisheries management; Trepanier Creek, Equisis Creek, and Mission Creek, should be managed intensively for fish production and for domestic water supply.
- (5). One important recommendation of the Study is to find some means to implement the program which had been recommended. Mr. Marr indicated that it has been recommended that one Regional District provide a single management authority for the watershed. The boundaries of the watershed should be coincident with the boundaries of the Regional District. This would provide a tax base over the entire area for waste management projects. Waste management would rest primarily with local residents with assistance from Senior Governments. The prime function of the single basin authority would be waste water management, flood plain zoning, and water recreation management. Mr. Marr mentioned that land management is also closely related to the above. He further indicated that the Public Involvement Program made it very clear that the Valley wanted one single valley-wide authority to manage local water resources. He indicated there was a strong feeling that water was very critical to the Valley and there was need to create a management body. He indicated that the single Regional District concept could also create some local boundary problems.

An implementation Task Force is to be set up on or before the 31st of March, 1974. The Task Force would advise and recommend to the Federal, Provincial and local Governments, actions required to implement the Plan. This Task Force would submit on or before the 30th of June, 1974 a draft agreement.

Mayor Thwaite asked what the status of the Study is now. Would there be any continuation of the Study. Mr. Marr indicated that the Study is now completed. After these final meetings the Study would report back to the Federal and Provincial Ministers by the 31st of March. It would then be up to the Ministers to decide future action.

Mayor Thwaite mentioned that if recommendations of the Study were to be implemented local communities would have to present a united front to Senior Governments for implementation and also provide some of the funds for what is necessary. He mentioned that even though the Report is finished and will be presented to the Ministers there will still be local pressure required on Senior Governments to do the things required in the Report. Mr. Marr agreed that local pressure would be required.

Alderman Oakes mentioned that there is apparently a forest cutting plan proposed for the Penticton watershed. He asked how it would be expected that one single Regional District for the entire Valley could curtail this cutting which may be detrimental to the watershed. Mr. Marr mentioned that the Regional District would consult with the Forest Service and possibly arrange for leases, or Green Belts near streams, and take other measures to prevent erosion. There would be consultation with other agencies as well. Mr. Farmer suggested that funds set aside through the Regional District could be used to purchase Green Belts along those streams zoned for Green Belt protection. Mr. Marr indicated that a Task Force on community watersheds within the Province has been set up.

Mayor Bennett asked if the present set up of the Okanagan Basin Water Board, under the Three Regional Districts, would be adequate for a management agency in the Valley provided that the Terms of Reference of the Okanagan Basin Water Board were changed.

Mr. Marr indicated that the problem of the present set up was that the Board did not have an adequate tax base. Funds would be required from the entire Valley to build sewer plants. This would have to be a charge against the whole watershed area, since the whole watershed would benefit. Sewer trunk lines and collector lines within a local area, however, could be born entirely by the specific area. Mr. Farmer suggested that a tax could be levied on the three Regional Districts.

Mayor Fleming suggested rather than creating one Regional District over the entire Valley, which would be cumbersome, that the Okanagan Basin Water Board be strengthened to act as the coordinating body. If works required for construction cross the boundaries of two Regional Districts, the Water Board would have to coordinate this. He indicated that part of the North Okanagan Regional District is in the Fraser watershed. It would be difficult to have any of that area support water protective measures in the Okanagan. In the present Regional Districts, Water Management is probably the one most important function that should be looked at as a whole by the three areas. The Water Board should be given more strength with administrative and legislative authority. There should be a method whereby the Water Board could meet the objectives as mentioned in the recommendations.

Mr. Farmer asked if an area - for example - the South, should be taxed for work that was done say in the Rutland area. Mayor Fleming replied it would be very difficult to do this. If an amalgamation was tried it would be very difficult to have people in one end of the Valley agreeing with people at the other end. However, all three Regional Districts must agree to strengthen the Board to act as an intermediary. The precise nature of this structure has not been worked out but the Mayor felt confident that it could be done. He agreed with the principles in the Report suggesting a single management agency with authority, but if a massive Board was created for all aspects of local Government there could be substantially divided interest. There could be ways found to work within the existing form.

Mr. Marr indicated that if one Regional District was created the boundaries would be smaller than any of the present districts in terms of area. The population, however, would be larger. He suggested that he would like to see the Okanagan Basin Water Board provide some recommendations as to how this administrative set up with a Water Board and three Regional Districts would be structured.

Mrs. Jordan asked, that if one Regional Board was established, would that Board have all the responsibilities that Regional Districts presently have including all aspects from dog control to water management. Mr. Marr replied that in considering one Regional District they were very careful to see that another level



of Government was not set up. All functions would, therefore, have to be under this one level of Government.

Mayor Fleming indicated that if there was to be one Regional District for the Okanagan watershed area only, three or four areas in the North Okanagan, such as Lumby, Cherryville and the Monashee would be removed from that Regional District. This section of the North Okanagan community would be separated and forced to communicate with remote areas. The market area and line of communication for those communities is in the North Okanagan. It would be difficult to ask these people to go into another Regional District. The Regional Districts now have an organization in the Water Board that could be made effective with changes in legislation. The Municipalities within the Regional Districts are just now beginning to work together. We could not have these areas separated into another Regional District. This would create a communication gap.

Mr. Marr said that he would like to see the Water Board spell out how it would operate as an authority under three Regional Districts. The Water Board had been set up to advise the senior levels of Government.

Mayor Postill indicated that if one Regional District was set up it should include the area larger than just the watershed. It should include the entire geographic and market area.

Mr. Lamont felt that Regional Directors with their experience viewed Regional Districts differently than the general public. Existing school boundaries and Regional boundaries are the way they are for a purpose. He felt that a strengthened Water Board should also cross jurisdictional boundaries of land use as well. Regional Districts have taken over local Government jobs such as fire protection, garbage and dog control. The Regional District should be given a positive function. The present Regional Districts are apprehensive should they be absorbed into one large District. If there is to be a move made in that direction it should be started by strengthening the present Okanagan Basin Water Board.

Mr. Farmer indicated that Regional Districts were first set up using School District boundaries and market area. The present water management function should be consolidated and the Water Board designated to manage water alone. Mr. Marr indicated that it is not just water alone which becomes involved. Land Use is closely related, Green Belts and Feed Lots are also related to water quality management. The concept of one Regional District has its attractions in that it would be easier for one Regional District to implement the recommendations. Mr. Farmer remarked, however, that this could be a political colosis.

Mayor Bennett indicated that the Water Board could do the implementation provided that its Terms of Reference were changed. There could be political problems if the three Regional Districts were combined.

Mr. Duncan asked how much study has been done on local Regional Districts and the Water Board functions.

Mr. Marr indicated that there was a problem in getting the Regional Districts together in the first instance to establish the Water Board. He was concerned at how much greater the problem would be to get the three areas to agree on common sewage treatment facilities.

Mayor Bennett indicated that the Water Board has helped to pull the thinking of the entire basin together. If the Board was given more authority it could do the function. He had always felt that the Water Board would be the vehicle for Okanagan Basin Study implementation. He said the Regional Districts, through the Water Board, would be interested in implementation. There will be additional funds required from the Federal and Provincial Governments.

Mayor Fleming mentioned that in the past year the Water Board has discussed strengthening of the Board. Board Directors are becoming weary of travel to make recommendations, which have no strength or teeth. Other levels of Government can overrule any recommendations of the Board. The interest of Directors can not be maintained for long under these circumstances. The Water Board has



agreed to become a coordinating body. The thinking of the Water Board has been similar to the thinking of the Study, insofar as having one single water management agency.

Mrs. Lawrence indicated that the Similkameen area would not like to be excluded from the Regional District of Okanagan Similkameen. If this were done the people of the Similkameen would have to communicate with the Kamloops area. Mr. Marr mentioned that he could see the Similkameen area removed from the plan for the purposes of waste management only but remaining in for other functions.

Mr. Lamont asked whether it could be foreseen that the Water Board would overcome existing land jurisdiction boundaries between the Districts. Mr. Farmer indicated that one of the problems has been that there has not been enough co-ordination between planners when initiating zoning by-laws throughout the Valley.

Mr. Duncan mentioned that during his work on the Okanagan Basin Task Forces, there was no input from these Task groups specific to the set up of one Regional District; however, they did say there should be one water management authority for the entire area. By creating one Regional District he felt that much local input would be destroyed since a large Board may become aloof. It would be hard for the public to communicate with a large Board. If one Board was created it may have far reaching detrimental implications that could damage local co-operation and communication required for implementation of the study.

Mayor Thwaite suggested that the present Water Board contact the Federal and Provincial agencies which now have the authority to clean up pollution in the Valley. He felt that for the three Regional Districts to get together on a common course of pollution clean-up would be difficult. Mr. Farmer felt there would not be a problem if the Board was strengthened and more support given to the Board. Mayor Thwaite indicated that it was hard getting the three Regional Districts together in the first instance. Mr. Farmer indicated that if it was going to be entirely senior Government implementation this could be a disastrous situation for the Valley. Mr. Marr agreed that this was largely a local problem. Mayor Thwaite suggested that there be a financing formula established similar to ARDA where senior and local levels of Government share financing on a one-third basis.

Alderman Oakes felt that the local Government agencies were afraid of giving up authority to another larger body; however, he indicated the same situation would exist if the Water Board was given final authority. Each Regional District is still not likely to be satisfied since the overall Water Board would now be able to determine the course of action for water management in each District.

Mr. Farmer felt that one large district would be very cumbersome. Mrs. Lawrence indicated that on looking back we could see there had been minor problems. We must look ahead now that the Report had been published. This should help bind the Okanagan communities together for implementation.

Mr. Marr suggested that perhaps someone from the Water Resources Service should communicate with the Board to try and work out a viable alternative suggestion to that of one Regional District. A method as to how the Water Board could achieve the objectives would have to be worked out.

Mr. Farmer indicated that the Municipalities would have to be prepared to sell the plan to the people. The function of one Board would have to be viewed from the Municipal-Political aspect as well as from a straight Water Resources management aspect as Mr. Marr has seen it. All the Valley community has a common interest. It must be looked at from a Political basis as well. This can be worked out with compromises and understanding. The planners must be involved in this organization.

Mr. Sinclair indicated that there were 45 recommendations in the document and so far only one, the first one, has been dealt with. It appears that if the Board is in agreement with the remaining 43 recommendations then the job of establishing the implementation Task Force as indicated under recommendation No. 2 should be done. And then the concept of one Regional District could be wrestled with.

Mr. Lamont mentioned that if this Task Force could find a structure for implementation then those recommendations which might be implemented could be piled on to the structure. The vehicle for implementation must be found first. The remaining recommendations do not have to be discussed as urgently at this point; however, the implementation vehicle is critical.

Mr. Duncan felt that there may be a time constraint in the period for which the implementation Task Force has to report. The period between March 31st and June 30th was short. Perhaps this implementation Task Force should start at an earlier date and leave more than three months for deliberations. There should be a meeting with the Water Board before that time.

Mayor Bennett suggested that the Water Board and an official of the Water Resources Service meet. The remaining recommendations do not have great meaning until a vehicle to implement the study is established. It would take too long to agree to the concept of one Regional District before implementation. Implementation must be done much more quickly than it would take to establish a common vehicle.

On behalf of the City of Kelowna, Mayor Bennett expressed his pleasure in working with the Okanagan Basin Study from the start. He thanked the members of the Study Committee and the Consultative Board for the fine work that they had done in the Okanagan Basin Study.

Mrs. Jordan thanked the Water Board for the invitation to the meeting. She mentioned that she would extend the proceedings of the meeting to other members of Government and felt confident that there would be full support for the Study. She expressed an interest in attending Water Board meetings.

Mr. Bruce Smith indicated that he had attended the meeting on behalf of Mr. Bill Bennett, MLA, and that he would report the results of the meeting to Mr. Bennett.

Mr. Farmer adjourned the meeting, and suggested that the Water Board meet at the earliest possible date to further resolve the structure that would be required to be effective in Study implementation.

The meeting adjourned at 9:00 p.m.

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## OKANAGAN BASIN WATER BOARD

OFFICE OF  
THE SECRETARY-MANAGER  
540 GROVES AVENUE  
KELOWNA, BRITISH COLUMBIA  
TELEPHONE (604) 763-4918

December 4, 1973.

To: Directors - Okanagan Basin Water Board

We are enclosing a copy of notes from the November 28th joint dinner meeting in Kelowna, between the Okanagan Basin Water Board and the Consultative Board to the Okanagan Basin Study.

The meeting concerned itself largely with the first recommendation of the Okanagan Basin Study Report, which suggested that the boundaries of the present Regional Districts within the Okanagan area be redrawn to create a single Regional District, having boundaries coincident with those of the Okanagan watershed.

Regional and Municipal representatives did not favor this recommendation and suggested instead that the present Water Board be strengthened and given legislative authority to act as the single water management agency for the entire watershed.

Mr. Marr suggested that the Water Board draft a proposal indicating how the Board, given the authority, could act as a single administrative unit on behalf of the three Regional Districts for water management only. This could then form an alternate recommendation to the Studies first recommendation.

We have therefore arranged for a special meeting of the Okanagan Basin Water Board to be held on Friday, December 14, 1973 at 10:00 a.m. in the offices of the Regional District of Central Okanagan. The object of the meeting would be to derive a specific recommendation as to how the Water Board given more authority could function as a local water management agency particularly for municipal waste treatment, flood plain zoning and water recreation.

A meeting with a representative from the Water Resources Service will be arranged subsequent to the above Board meeting.

F. W. Laird,  
Chairman.



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F. W. Laird,  
Chairman.

December 4, 1973.

Mr. R. Postill,  
Chairman,  
Regional District of North Okanagan,  
3109D - 31st Avenue,  
Vernon, British Columbia.

Dear Mr. Postill:

Further to our telephone conversation today, I am enclosing a notice of an Okanagan Basin Water Board meeting to be held at 10:00 a.m. December 14th.

We would be grateful if you could attend and offer your comments.

Yours truly,

W. Parchomchuk,  
Secretary-Manager.

WP/lm

Enclosure



December 4, 1973.

Mayor W. C. Bennett,  
1435 - Water Street,  
City Hall,  
Kelowna, British Columbia.

Dear Mayor Bennett:

We are enclosing a notice of an Okanagan Basin Water Board meeting to be held at 10:00 a.m. December 14th. In view of your past experience on the Okanagan Basin Water Board and your present office as Mayor of the City of Kelowna, the Chairman of the Board has asked me to invite you to this meeting.

We would be grateful for your attendance and for any comments you may have concerning the topic outlined in the meeting notice.

Yours truly,

W. Parchomchuk,  
Secretary-Manager.

WP/lm

Enclosure

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
NOVEMBER 8th, 1973 2:00 P.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

1.

Present: F.W. Laird (Chairman) R.D.O.S.  
G.V. Lawrence (Mrs.) R.D.O.S.  
W. Oxley R.D.N.O.  
S. Fleming R.D.N.O.  
A. Duncan R.D.C.O.  
H. Thwaite R.D.C.O.  
E. Lamont R.D.C.O.

Also in attendance:

Mr. B. Harvey Vernon Irrigation District.  
Mr. G. Sinclair Okanagan Basin Study.  
Mr. Kerr Regional District of Columbia-Shuswap.

Press and Radio:

Vernon News, CKOV Radio, CKIQ Radio.

Minutes: Minutes of the meeting of September 21st, 1973. were presented for approval.

Lawrence - Thwaite

That the minutes of the meeting of September 21st, 1973 be adopted as circulated.

CARRIED

Accounts: Accounts totalling \$574.86 were presented.

Thwaite - Duncan

That the accounts outstanding totalling \$574.86 be paid.

CARRIED

Correspondence:

The following items of correspondence were read:

Kalamalka -Wood Lake Study: 1. Letter from L.A. Bergman, Senior Hydraulic Engineer, Water Investigations Branch. The letter dated October 22nd, 1973 referred to an earlier letter of October 9th, 1973 and advised that the Water Resources Service have re-scheduled the December 4th, Public Meeting on the Kalamalka - Wood Lake Basin Study to sometime in January, 1974. The Board would be advised of the new meeting date as it becomes firm.

Kalamalka -Wood Lake Study: 1. Letter from L.A. Bergman, Senior Hydraulic Engineer, Water Investigations Branch. The letter dated October 22nd, 1973 referred to an earlier letter of October 9th, 1973 and advised that the Water Resources Service have re-scheduled the December 4th, Public Meeting on the Kalamalka - Wood Lake Basin Study to sometime in January, 1974. The Board would be advised of the new meeting date as it becomes firm.

Lawrence - Thwaite

That the above letter be received and filed.

CARRIED

- Vernon Fruit Union and Advance Fur Dressers: 2. Letter from V. Raudsepp, Chairman of the Pollution Control Board. The letter dated October 12th, 1973 acknowledged receipt of an Okanagan Basin Water Board objection to applications for Pollution Control Permits, by the Vernon Fruit Union and by Advance Fur Dressers Co. of Vernon to discharge effluent. The Pollution Board had decided, under Section 13(6) of the Pollution Control Act, that the Director would take the objections into consideration in making a decision.

Duncan - Thwaite

That the above letter be received and filed.

CARRIED

- Crown Zellerbach Canada Ltd.: 3. Letter from A.J. Chmelauskas, Assistant Director, Pollution Control Branch. The letter dated October 25th, 1973 referred to an application for a Pollution Control Permit on behalf of Crown Zellerbach Canada Ltd. The above application, which was objected to by the Water Board, has received final review and after considering all the information available the Branch decided that the objection was not sufficient to warrant a hearing. Pollution Control Permit No. PR1921 has been issued. In adjudicating the application the contents of the Water Board correspondence were considered. With regard to the Water Board's specific item of concern, the discharge of sawdust to the Lake. This has now been discontinued with the relocation of the log bucking operation to dry land.

The Secretary-Manager mentioned that the Water Board had dealt with two applications by Crown Zellerbach. One concerning refuse and the other effluent. This Permit has been granted only for the refuse portion of the waste. The Company has removed, from the Lake, the sawdust discharge which the Water Board had objected to. There was no further cause for concern as far as refuse disposal was concerned.

Thwaite - Oxley

That since Crown Zellerbach has removed the source of the Water Board's objection, the Water Board withdraw its objection.

CARRIED

- V. Raudsepp Objections to Crown Zellerbach, Kelowna Plating & Primrose Dairy Applications: 4. Letter of October 12th, 1973 from V. Raudsepp, Chairman, Pollution Control Board. Mr. Raudsepp's letter acknowledged receipt of three letters dated October 2nd, 1973 in which the Board made certain recommendations regarding applications for Pollution Control Permits, by Crown Zellerbach Ltd., Kelowna Plating and Bumper Exchange Co., and Primrose Dairy Limited. The Water Board recommendations would be forwarded to the Director of the Pollution Control Branch for his information. In the future, if the Water Board wished to make recommendations in connection with an application for a Permit, which recommendations do not contain objections, these should be communicated directly to the Director of the Pollution Control Branch.

Recommendations made directly to the Branch: The Secretary-Manager had explained that since the Water Board could not object directly to an application under the Act, Correspondence, in the past, had to go through the Chairman of the Pollution Control Board rather than through the Pollution Control Branch. It now appears that any comments, specific to an application, that do not involve an objection may go directly to the Director of the Pollution Control Branch, rather than through the Chairman of the Pollution Control Board first.



Thwaite - Lawrence

That the above letter be received and filed.

CARRIED

R.H. Fergu- 5.  
son, -Water  
Board Granting  
Permits -  
Misinterpret-  
ation:

Letter from R.H. Ferguson, Assistant Director, Pollution Control Branch. The letter dated October 9th mentioned that it had come to the attention of the Branch, by an article in the September 27th, 1973 issue of the Vernon News, that the Water Board has recently issued Pollution Control permits to a number of Okanagan Valley Business's. The Branch would appreciate receiving advice as to the possible misinterpretation by the Paper of the Board's cooperative effort with the Pollution Control Branch, wherein, the Water Board gave consideration to applications for Permits under the Pollution Control Act.

The Secretary-Manager explained that the Newspaper had simply misinterpreted the Water Board's decision not to object to the granting of a permit. A letter has been written to the Pollution Control Branch explaining the misinterpretation.

Duncan - Lawrence

That the above letter be received and filed.

CARRIED

Algae -  
Tulameen  
River

6. Letter of October 24th, 1973 from B.E. Marr, Chief Engineer, Water Investigations Branch. The letter was in reply to an Okanagan Basin Water Board letter of September 28th, 1973 concerning algae problems in the Tulameen River. Mr. Marr had attached a memorandum, prepared by Dr. Buchanen, concerning the problem. In reviewing the memorandum, Mr. Marr stated it would not appear that algae growth constitutes a serious ~~impairment~~ to water quality in the stream, and in view of the present staff commitments, he was unable to justify a detailed study. The Water Investigations Branch will obtain additional data collected by the Pollution Control Branch and contact further if this data effects the findings.

The Secretary-Manager mentioned that there had been several similar types of algae blooms reported in rivers throughout the Province this year, for reasons not entirely known. The memorandum prepared by Dr. Buchanen offered some theoretical explanations in reviewing the problem. A copy of the memorandum has been sent to the Municipality of Princeton and to Mrs. G.V. Lawrence.

Duncan - Thwaite

That the above letter be received and filed.

CARRIED

G. Whittaker 7.  
and J. Davis  
Re: Osoyoos  
Lake Level:

Letter of October 4th, 1973 from the office of G. Whittaker enclosing a letter from the Honorable Jack Davis concerning water levels in Osoyoos Lake. The letter from the Honorable Jack Davis stated that Osoyoos Lake had fluctuated greatly in the past two years, mainly as a result of the extreme flood conditions in 1972 and extreme drought in 1973.

The U.S. was not entirely to blame for this fluctuation. With respect to the low levels in 1973, there is no commitment by the U.S. to maintain minimum levels on Osoyoos Lake. There is a 1946 International Joint Commission Directive concerning outflow from the Lake at the Zozel Dam and the United States does not require water to be stored when levels are low. The International Joint Commission Directive appears to be inadequate and the Zozel Dam, in any event, seems to be too decrepit to regulate outflows effectively. In view of these problems, the Federal and British Columbia Governments will be considering an alternative means of improving the situation in the near future; including those which require attention by the United States or joint action through the International Joint Commission. Some recommendations to this effect are expected to be made in the Okanagan Basin report soon to be finalized.

Duncan - Thwaite

That the above letter be received and filed.

CARRIED

The Chairman asked Mr. Sinclair whether or not the Board would have the final report a week in advance of a meeting with the Consultative Board. Mr. Sinclair said that hopefully the Report would be available to the Board in advance.

Aquatic  
Weed  
Harvesting  
Report:

The Secretary-Manager presented a brief preliminary report on the Aquatic Weed Harvesting program for 1973. He mentioned that the Aquatic Weed Harvester had operated 270 hours in the following locations: Vernon, Penticton, Summerland, Kelowna and Kalamalka Lake. The largest portion of the time was spent in the Vernon area where 193 hours were logged. The following harvesting hours were incurred in other centers: Penticton - 19 hours, Summerland - 13 hours, Kelowna - 41 hours, Kalamalka Lake - 3 hours. A total of 846 tons of weeds were removed. Revenue from the operation was \$ 5,130.00. Operating expenses, including operator and fuel, were \$ 3,240.00 leaving a balance of \$ 1,890.00 to cover repairs and capital recovery. Fortunately repair costs are not expected to be great this year.

Over 3,000 pounds of nitrogen were removed with the weeds and about 560 pounds of phosphorous. The machine proved to be most effective in large areas. In smaller areas maneuvering was difficult and cutting efficiency was reduced. Over half of the weed area in Vernon remained uncut because of local difficulties in financing the operation. Financing will have to be resolved between local residents and the Regional District. The machine is currently finishing operation for the year, in Kelowna. The season has been delayed due to poor weather conditions.

Mayor Fleming mentioned, it appeared that a reasonable approach to financing weed harvesting in the North Okanagan Region has now been resolved by the Regional District for next year.

The Secretary-Manager mentioned that the problem of siltation in the North Arm of Okanagan Lake, resulting from Vernon Creek, should be resolved between the Water Rights Branch, The City of Vernon and local developers. A means to curtail the silt load should be found and regulations regarding siltation enforced.

Mr. Kerr asked whether there was any economical value to the weed. Mayor Fleming indicated that there was value and research was being done. Local residents were using the weed as a soil conditioner and mulch; thereby, offsetting some removal costs.

Oxley - Fleming

That the Aquatic Weed Harvesting report be received.

CARRIED

Applications for Pollution Control Permits:

Paradise  
Products -  
Naramata:

1. Application by Paradise Products Ltd., of Penticton, B.C. to discharge effluent from a fruit processing and vegetable processing plant and cannery in Naramata. The amount of effluent discharged would be 15,000 gallons/day. Effluent would be mixed with irrigation water and used for orchard irrigation in the summer. A tile drain field would be used in the winter months. The Secretary-Manager had visited the site. There would be no surface water contamination.

Thwaite - Duncan

That the Water Board has no objection to the application by Paradise Products Ltd.

CARRIED

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Dusty Mac  
Mines -  
Okanagan  
Falls:

2. Application by Dusty Mac Mines Ltd. to discharge effluent from a mine at Okanagan Falls, B.C. Effluent would be discharged to a tailings pond and settled. Water would then be recycled back through the mining operation. There would be no surface discharge of effluent. Effluent would be contained in the tailings pond.

The Secretary-Manager had visited the site. There were no surface water courses nearby. There would be no surface discharge.

Lawrence - Thwaite

That there be no objection to the application by Dusty Mac Mines Ltd.

CARRIED

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Consumers  
Glass -  
Lavington:

3. Application for an amendment to a Pollution Control Permit by Consumers Glass Co. Limited, Lavington, B.C. to discharge effluent from a glass manufacturing plant. The plant was seeking an amendment to an existing permit to increase the volume of discharge from 15,000 gallons/day to 24,000 gallons/day. Effluent was directed to a lagoon where it was stored over the winter months and spray irrigated on an adjacent field in the summer period. There was little contamination of surface water expected.

Fleming - Oxley

That there be no objection to the application by Consumers Glass Company Limited.

CARRIED

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J.S. Nelson  
Laundry -  
Rutland:

4. Application for a Pollution Control Permit by John S. Nelson to discharge effluent from a laundry located in Rutland. The quantity of effluent to be discharged would be 4,200 gallons per day. Effluent would be discharged to a septic tank and drain field. There would be no surface discharge of water.

The Technical Committee of the Regional District of Central Okanagan had reviewed the application and the Regional Board of the Regional District had also reviewed it and found no objection to the application.

Fleming - Duncan

That there be no objection to the application by John S. Nelson.

CARRIED

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E. Lamont entered the meeting.

Other Business

Mayor Thwaite asked concerning the schedule for additional meetings of the Water Board and the Consultative Board. A meeting with the Consultative Board for November 28th was confirmed.

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Adjournment

Thwaite - Lawrence

That the meeting be adjourned.

CARRIED

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The Meeting adjourned at 3:15 P.M.

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN  
BASIN WATER BOARD NOVEMBER 8th, 1973 3:30 P.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

1.

Present: F.W. Laird (Chairman) R.D.O.S.  
G.V. Lawrence (Mrs.) R.D.O.S.  
W. Oxley R.D.N.O.  
S. Fleming R.D.N.O.  
A. Duncan R.D.C.O.  
H. Thwaite R.D.C.O.  
E. Lamont R.D.C.O.  
W. Parchomchuk (Secretary-Manager)

Bow Park  
Estates  
Ltd.:  
Water  
Licence:

The Chairman drew the Board's attention to a letter of October 19th, 1973 from the Regional District of Central Okanagan, wherein, the Regional District stated that a subdivision by-law had been presented to Victoria, which would prevent the development of lots under 10 acres in size unless a source of potable water is provided. This type of by-law could curtail some of the large development on the West side of Okanagan Lake which was a source of concern to the Water Board, since effluent could seep into Okanagan Lake.

Mr. Duncan informed the Board that the Regional District of Central Okanagan has now received a reply from the Department of Municipal Affairs concerning the by-law. The Department has not approved the by-law owing to several technicalities. The Regional District would pursue the by-law for approval.

The Chairman suggested that the three Regional Districts should work together concerning the adoption of by-laws to prevent undesirable types of development and pollution.

Mr. Duncan stated that his office was in the process of arranging a meeting between the Chairmen and Administrators of the three Regional Districts. The meeting would be held on December 12th, 1973.

Mayor Fleming mentioned that the three Regional Boards are presently at different stages in their evolution and may not face precisely the same problems at the same time. Therefore, it would be difficult to try for overall coordination in detail of the three Regional Districts.

The Chairman recalled that the main concern of the Board has been the large developments on the West side of Okanagan Lake which could lead to Lake contamination.

Mr. Oxley felt that the Board should be primarily concerned with water licensing and pollution. The Chairman mentioned that the Board could also eventually be a vehicle, whereby, the three Regional Districts could coordinate certain activities besides water that are required to be done on a Valley wide basis.

Mr. Duncan mentioned that once the recommendations of the Okanagan Basin Study have been received the Water Board will have to play an important role in coordination and implementation.

Referring to the Bow Park Estates Ltd. water licence application the Secretary-Manager mentioned that he had been in communication with the Water Rights Branch and was informed that a water licence for the 170 lots developed within the Regional District of Central Okanagan had been granted. However, the Water Rights Branch would not grant any further licences to the development. Remaining applications are being withheld.

The Secretary-Manager mentioned that in the Water Board letter to the Comptroller of Water Rights, the Water Rights Branch was asked to communicate with the Pollution Control Branch and the Health Branch before making a decision to grant a licence; since any water granted under licence would ultimately return to the lake as effluent.

OKANAGAN BASIN WATER BOARD

AGENDA

November 8th, 1973-2:00 PM

- 1). Minutes from meeting of September 21st, 1973.
- 2). Accounts.
- 3). Correspondence:
  - (a). L.A. Bergman, Sr. Hydraulic Engineer;  
Re: Public Meeting Kalamalka-Wood Lake Basin Study.
  - (b). V. Raudsepp;  
Re: Objections to applications for Pollution Control Permits by Vernon Fruit Union and Advance Fur Dressers Company Ltd.
  - (c). A.J. Chmelauskus, Assistant Director, Pollution Control Branch;  
Re: Application for Pollution Control Permit by Crown Zellerbach Ltd.
  - (d). V. Raudsepp;  
Re: Recommendations concerning applications for Pollution Control Permits.
  - (e). R.H. Ferguson, Assistant Director, Pollution Control Branch;  
Re: Issuance of "Pollution Control Permits".
  - (f). B.E. Marr, Chief Engineer, Water Investigations Branch;  
Re: Algae Growth - Tulameen River.
  - (g). G. Whittaker & Hon. J. Davis;  
Re: Osoyoos Lake Level regulation.
- 4). Aquatic Weed Harvesting Report.
- 5). Applications for Pollution Control Permits.
  - (a). Paradise Products Ltd. - Naramata.
  - (b). Dust Mac Mines Ltd. - Okanagan Falls.
  - (c). Consumers Glass Company Limited - Lavington.
  - (d). J.S. Nelson Laundry - Rutland.
- 6). Other Business.

Committee Meeting

- 1). Correspondence, Regional District of Central Okanagan.  
Re: Residential Developments and Water Licences on West Side of Okanagan Lake.
- 2). Provisional Budget, 1974.

*mca*

*Meeting 11/8/73*



## OKANAGAN BASIN WATER BOARD

OFFICE OF  
THE SECRETARY-MANAGER  
540 GROVES AVENUE  
KELOWNA, BRITISH COLUMBIA  
TELEPHONE (604) 763-4918

October 30th, 1973

### NOTICE

Further to our memorandum of October 17th, this notice will confirm that a regular meeting of the Okanagan Basin Water Board will be held on Thursday, November 8th, at 2:00 P.M. in the Offices of the Regional District of Central Okanagan.

An agenda is enclosed.

A Committee meeting will follow.

F.W. Laird  
Chairman.



# OKANAGAN BASIN WATER BOARD

OFFICE OF  
THE SECRETARY-MANAGER  
540 GROVES AVENUE  
KELOWNA, BRITISH COLUMBIA  
TELEPHONE (604) 763-4918

October 30th, 1973

## NOTICE

A regular meeting of the Okanagan Basin Water Board will be held on Thursday, November 8th, 1973 at 2:00 P.M. in the Offices of the Regional District of Central Okanagan, 540 Groves Avenue, Kelowna, British Columbia.

F.W. Laird  
Chairman.



November 1, 1979



To: [Illegible]  
From: [Illegible]

[Illegible typed text]

dc

for [Illegible]  
[Illegible]

cc: Mr. W. Panchonchuk

**CORPORATION OF THE VILLAGE OF LUMBY**  
(INCORPORATED 1955)

LUMBY, B.C. V0E 2G0



November 1, 1973

Okanagan Basin Water Board  
540 Groves Ave.  
Kelowna, B.C.

Attn: Mr. F.J. Laird

Dear Mr. Laird;

In refernce to the Oct. 30th notice of the meeting to be held November 8th at 2:00 P.M..I am very sorry that I will not be able to attend the meeting as I will be attending the U.B.C.M. Meeting in Vancouver at that time.

Thankyou.

Yours truly,

*N.R. Pat Duke*  
for  
N.R. Pat Duke Mayor

NRPD/ii

MINUTES FROM A SPECIAL MEETING OF THE OKANAGAN BASIN WATER BOARD,  
FRIDAY, DECEMBER 14th, 1973 10:00 A.M. OFFICES OF THE  
REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVE., KELOWNA.

1.

Present:

A. Duncan		R.D.C.O.
S. Fleming		R.D.N.O.
W. Oxley		R.D.N.O.
P. Farmer		R.D.O.S.
G.V. Lawrence		R.D.O.S.
J. Stewart	City of Kelowna	
R. Postill		R.D.N.O.
F. Oakes	City of Penticton	
E. Lamont		R.D.C.O.

Also in attendance:

H. Thompson	Planner	R.D.O.S.
J. Rheame	Administrator	R.D.O.S.
P. Mackiewich	Administrator	R.D.N.O.
D. Barcham	Planner	R.D.C.O.
A. Harrison	Administrator	R.D.C.O.
W. Parchomchuk	Secretary-Manager	

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The Chairman of the Water Board was unable to attend due to illness.

Mr. Farmer chaired the meeting.

Mr. Farmer indicated the meeting would be a continuation of the meeting held with the Consultative Board on November 28th concerning an organization structure for local water management within the three Regional Districts. He felt that an appropriate structure could not be recommended in a short time. The Water Board is only a committee of the three Regional Districts, therefore, it could not offer an ultimate answer. The three Regional Districts themselves would make the decision. There would be a meeting this afternoon of the three Chairman and Administrators of the Regional Districts. This topic will be discussed and hopefully some decisions reached. The Water Board could discuss how it sees a new structure, and this could be reported to the Regional Districts for further study. He suggested this Board should presently limit itself to advising the Regional Districts only. Each Regional District would eventually have to change Letters Patent and surrender some of its authority to a new organization set up for Water Management on a Valley-wide basis. Mr. Farmer asked the Board how they foresaw the work of this Board in view of the Study recommendation.

Mayor Fleming said the method for Study implementation would be difficult to determine. Tasks for implementation involve Federal and Provincial Governments as well. He asked whether other Provincial agencies, presently working in water management, such as; Fisheries, Pollution Control and Water Rights would accept the Water Board as the coordinating body for all of these agencies. There must be a means of coordinating decisions of these agencies. The Board would find itself between two levels of Government. Recommendations from Regional Districts would have to harmonize with Senior Government thinking. Mayor Fleming indicated problems of the Vernon Spray Irrigation project in coordinating requests between many different Provincial and Federal Departments. The Water Board should be able to coordinate this type of project with the Governments. After a careful analysis we should be able to recommend a project as being in agreement with local Governments and with the Senior levels of Government.

This should remove all hinderances to project implementation. The Water Board should have the force of the three Regional Districts combined. The Water Board would be a coordinating body. Various Government agencies could work with the Board to support projects and clear the way for project implementation. A higher degree of coordination with Provincial and Federal levels of Government would be required to integrate activities and to assign priorities. The Board should first be assured that if an organization is created it will be given some authority to acquire Federal and Provincial support - both technical and monetary.

(Mr. Eain Lamont entered the meeting.)

Mr. Farmer asked if Mayor Fleming could see the Regional District doing this function drawing on outside expertise.

Mayor Fleming replied by referring again to the Vernon Spray Irrigation project. He indicated that the City of Vernon did not have the resources to draw together all agencies concerned. The City was required to hold a conference to draw all agencies, such as; Health Pollution Control, etc., together to explain their ideas on this project. The Board should be able to draw all of these agencies together and have their unanimous recommendation as to whether or not this is a good thing. The City of Vernon, in turn, should be able to ask for the support of the Okanagan Basin Water Board and the agencies. When a referendum is required and all the necessary approvals have been received this would have a bearing on the success of the referendum. The city of Vernon Spray Irrigation project has been extremely complex. As dates for construction commencement are set, projects should have the support by that date, of all agencies concerned. When an application is made, if there is support of the three Regional Districts combined, this would be a far greater influence.

Mr. Farmer mentioned the Study Report indicated that downstream people would benefit, and therefore the entire watershed should share costs of sewage projects. He asked whether the Board would be in favor of downstream areas being required to pay for upstream sewage costs. Mayor Fleming indicated that it would be very difficult to determine what benefit downstream people would have from sewage costs undertaken in other areas. For example, works undertaken near the Border by Canadians would benefit the United States.

Mr. Farmer mentioned that during a recent meeting of the Regional District of Okanagan-Similkameen, representatives from the Princeton and Osoyoos area indicated that they would not be adverse to supporting projects on the upstream part of the system provided that such support was reciprocated for projects to be done in the South. Benefits accruing in one area would be felt in adjacent areas.

Mayor Fleming indicated there are Municipalities which already have large investments in sewage plants. It would not be equitable if they had to pay for the same type of plants in other areas also. However, if there was to be larger Government Grants and cost sharing these costs could be worked out equitably. There could be a local mill rate set for a sewage treatment fund. The Board could also press a case for monetary responsibility of the two Senior levels of Government. Senior Governments issue licences but do not accept sewage responsibility. When the Water Board is reorganized, the first priority must be to contact Senior levels of Government for funding, and then look at what has to be done. The Water Board would be the coordinating force ready to support priority projects, once given this authority it could contact and coordinate other levels of Government.

Mr. Farmer said the three Regional Districts should have their Letters Patent changed and the Board restructured. There should be more active coordination. The Okanagan Basin Study Report does not indicate how Government agencies would be coordinated.

Mr. Lamont mentioned that comments made by Mayor Fleming would indicate there is a strong need for the ability to finance and to coordinate. The present weakness of the Regional Districts and the Water Board is they are just recommending bodies. We are looking at creating another body, also with limited power, but crossing three Regional District jurisdictions. Financing maybe also should cross jurisdictional boundaries. Financing should be asked for on a Valley-wide basis. If the structure is to remain fragmented, Senior levels of Government won't agree to this. Much more jurisdiction will be required for the Water Board. One major jurisdiction would be that of financing. The Board should also have the jurisdiction to override local conflicts.

Mr. Farmer mentioned the Regional Districts would have to be prepared to surrender certain of their present authority to this new structure.

Mayor Fleming suggested that a way should be found to add a part of the planning function onto a Valley-wide organization so that the planners could come together in planning certain aspects of land use related to water management.

He indicated the Senior level of Government is interested that the Board has met so quickly on this subject, and is waiting for a return of ideas from the Board.

Mr. Duncan inquired whether planning within the overall organization would relate to water alone. Mayor Fleming said that if the planning departments had been able to meet together on the Beaupark Ranch Development many of the problems that arose would not have happened. Contact was made too late. Mr. Farmer felt the planners should have been involved more with the Water Board. The planners must work closely together on a regular basis.

Mr. Lamont indicated that there has been coordination at the planning level all this time. The planners were involved in land use, but there is no one at the local level who has jurisdiction over land use. Land use has to be coordinated at a jurisdictional level. A new organization should include land use as well.

Mrs. Lawrence asked if this Board could be the implementation Task Force.

Mr. Farmer believed that this Board could be the organization if restructured.

Mr. Lamont mentioned that the problem in the past has not been the planners. They have always cooperated at the planning level, but there was no jurisdiction for land use. Mr. Farmer suggested that there would have to be some types of Valley wide planning zones.

Mayor Fleming suggested that all Valley Governments seem to be on the same track. This was indicated during the Water Board meetings. Some things have to be integrated on a Valley wide basis, particularly water planning and water use.

The Secretary-Manager indicated that the recommendations from the Okanagan Basin Study required Valley wide planning in the following areas: Flood Plain Zoning, Shoreline Recreation Zoning, and Greenbelt Zoning for tributary stream protection. He felt that there would be no problem in setting up within the structure, planning for these specific water related items on a Valley wide basis.

Mayor Duke agreed the Board would be a good organization for coordination, but he asked what help the Board could be to smaller areas outside the Watershed. Mr. Farmer indicated that it would be difficult, at this time, to see details into the future, but decisions should be made as to what vehicle would be best to implement the Study. Smaller areas would require sewage and other facilities. A portion of the mill rate may have to be allocated to small areas outside the watershed. Mayor Duke mentioned he was not greatly concerned about financing, but he asked whether this new organization could assist in coordinating outside areas.

Mayor Fleming mentioned there were several areas in the North Okanagan which have not been embraced in the Study. If this new Board is created with authority, it would have to apply this authority throughout the Okanagan, Similkameen, Lumby, and Mable Lake area as well. Protection of the Shuswap River also is of some consequence to the North Okanagan. The Board could recommend to the Regional District that it required greater jurisdiction. This Board could establish the guidelines. A proposal could then be approved by the three Regional Districts. The Senior Governments would be approached for financing.

Mr. Stewart said that he could not foresee the structure as being very complicated. The Study has dealt mainly with water in the present Regional Districts. There is presently a taxing authority through specified areas. If there is going to be an agency to treat water, this financial structure is available. The City of Kelowna feels water is one item in common throughout the area. There are several other items as well. A sewerage authority could be set up by the Board and

could take over all sewage works. The first thing required would be a firm commitment from Senior levels of Government as to the amount of money they are prepared to spend on projects. Whatever arrangement is reached for an overall organization, financing would still remain to be decided. Mr. Farmer mentioned that the Municipal Financing Authority could be used.

Mr. Stewart indicated that the more large local Governments are created, these would be further removed from the public. He stressed that local Governments must get a commitment from Senior Governments for participation. Local commitment could be easy to get.

Mr. Farmer asked what the reaction of Mayors would be to a sewage authority. Mayor Fleming indicated that this would simplify the City of Vernons problems, because the City is presently coordinating sewer for three areas. Mr. Farmer mentioned that the cities would be giving up some of their authority in sewage treatment.

Mr. Postill mentioned this proposal requires more than just the involvement of people in the Okanagan. There should be a cost sharing so that for every local dollar raised there would be three dollars from the Federal and Provincial Governments.

Alderman Oakes felt discussions so far have indicated local representatives do not want one Regional District, but we would be ending up with a body that would control them all. We are trying to create something but at the same time are criticizing it.

Mayor Fleming did not feel that the local Governments would be giving away any authority, but would be giving it to a body that would represent all three of them. The three Regional Districts would still be represented on this organization. In two areas; particularly water management, and some planning, there would be agreed policy and goals. The Regional District would still have a say since they would have established the organization.

Mr. Duncan indicated that the organization could be working in specified areas within Regional Districts as well.

Mayor Duke indicated that he was in favor of a Board, but was concerned with having the problems of outside areas discussed as though they were within the watershed itself.

Mr. Lamont indicated that by having one organization, mainly for water management, could be the safest approach to change. The other approach would be to have a rapid change, placing all functions under one Regional District. The main area of jurisdiction would be water. There was also consideration to some planning functions. The Board itself would need money to go and bargain for more money from Senior levels of Government. The Board should be looking at longer term planning.

Mr. Farmer mentioned that if this group represented a larger region it would have more authority in Victoria.

Mr. Oakes indicated the Board would be recommending a vehicle with authority than breaking it up into water, sewage, recreation and pollution.

Mr. Farmer said that the Regional District would have to be prepared to vest water management and sewerage systems into this new organization. This organization would also have to coordinate the three Regional departments in zoning valley bottom land and lakes. Recreation and Parks would be too far removed for these functions to be part of the new organization.

Mr. Farmer said if the organization is to be a water management authority it must break through Government departments. It will be difficult coordinating all agencies.

Mr. Stewart said that by taking one step at a time the Board could get to a point where it could do something. Possibly in ten years, maybe one Regional District would evolve; but while evolving, there would have been time to attack the

problems which required attention. If one Regional District were created immediately the problems involved in creating this District would be so immense that it would be unable to work with them effectively. Creation of one Regional District and the resulting confusion would likely weaken the ability of local Government to receive senior financing. If one District is created; to focus on water management, which was the main purpose, would be difficult. There would be a problem in placing all planning into one District. He indicated that the City of Kelowna was not opposed to one sewerage authority but they would like to have the cooperation of neighboring areas also. Mayor Fleming mentioned that it is very important to have the cooperation of adjoining areas in any sewage treatment scheme, since surrounding lands are often required for projects involving an entire geographic area. The Water Board should be able to acquire the endorsement of Senior levels of Government on certain types of projects.

Mr. Lamont indicated there appeared to be a consensus for establishing a structure only on a broad and general basis for water management. He mentioned there were definitely two areas of planning involved; one was broad, the other detailed. One authority would not concern itself with details. For example, he did not expect that the Water Management Agency would interfere with operations of local water districts. Mr. Farmer agreed that the Board would not be prepared to go that far because of the tremendous administrative difficulty.

Mr. Duncan asked if the present Water Board could be of some assistance in acquiring support of the Senior levels of Government for the Spray Irrigation project at Vernon. The City was experiencing some difficulty with the Senior Governments. The support of the Water Board may be beneficial.

Mayor Fleming indicated that this would be of assistance to the City. The City is currently preparing a document and a brief for Federal and Provincial Departments. A brief, along with a letter, would be sent to the Water Board. The Board would then write a letter in support of the project. The project could be of benefit to all valley communities once research is complete. For example, corn could be grown for the local distillery.

Mr. Oakes indicated the three Regional Planners were present and perhaps the Board should receive their comment concerning water management and planning recommendations.

Mr. Farmer indicated that the Planners would have their opportunity to speak this afternoon when the three Regional Chairmen meet in-committee. It would be improper for this group, which is only a committee of the three Regional Districts, to go any further than merely offering recommendations. This group would work only in the area of water management, and interpret the Study Report. The three Regional Planning departments would meet and agree on a planning and zoning method. The three Regional Districts would ultimately decide what jurisdiction would go into the new organization.

Mr. Farmer said he proposed to arrange a seminar involving Forestry, Water, Land, Health, the Pollution Control Branch, and a representative from the Department of Municipal Affairs to resolve some of the structural problems of an organization for local water management.

Mayor Fleming indicated that planning could be coordinated in the Valley. Mr. Farmer thought it would be possible to prepare coordinated plans.

The Secretary-Manager asked if the Board required a letter to be forwarded to the three Regional Districts outlining results of today's meeting. Mr. Farmer indicated that a letter would not be required. The three Regional Districts would meet this afternoon and proceed from there.

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The meeting adjourned at 12:00 P.M.



# CITY OF KELOWNA

763-6011

CITY HALL, 1435 WATER ST., KELOWNA, B.C.



Office of the Mayor  
W. C. BENNETT  
Mayor

December 7, 1973.

Mr. W. Parchomchuk,  
Secretary-Manager  
Okanagan Basin Water Board,  
540 Groves Avenue,  
Kelowna, B.C.

Dear Mr. Parchomchuk:

Thank you for your letter dated December 4, 1973  
inviting me to attend the meeting of your Board on December 14th,  
at 10:00 A.M.

Unfortunately I have a prior commitment and will  
therefore be unable to attend. However, I have arranged for  
Alderman J.H. Stuart to represent the City of Kelowna on my behalf.

Yours very truly,

M A Y O R.

WCB/ac  
cc: Alderman J.H. Stuart