

MINUTES FROM A REGULAR MEETING OF THE OKANAGAN BASIN WATER BOARD. MARCH 6th, 1975 2:30 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 Groves Avenue, Kelowna.

1.

Present: S. Fleming Chairman R.D.N.O.  
R. Postill R.D.N.O.  
T. Oxley R.D.N.O.  
C. Day R.D.C.O.  
H. Thwaite R.D.C.O.  
L. Dooley Alternate R.D.C.O.  
F. Laird R.D.O.S.  
F. Colclough R.D.O.S.  
K. Boothe Alternate R.D.O.S.  
W. Parchomchuk Secretary-Manager

Also in attendance:

H. Felker Observer, Summerland.  
F. Oakes Alderman, Penticton.  
K. Blagborne Observer, Assoc. of B.C. Irrig.  
Districts.  
B. Hume Assoc. of B.C. Irrig.  
Districts.  
S. Buckler Observer, Peachland.

Minutes: Postill - Day

That the minutes from the meeting of January 23rd, 1975 be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding totalling \$742.25. He indicated that the expense report of the Secretary-Manager for February included a Technical Seminar in Vancouver, dealing with Waste Disposal and Land and Water Management. He had been asked to attend this Seminar.

Mayor Laird indicated that a report should be circulated indicating what the Seminar covered.

Thwaite - Colclough

That the accounts outstanding totalling \$742.25 be accepted.

CARRIED

Appoint- Letters were read indicating the following appointments of  
ment of Observers to the Water Board:  
Observers:

1. Letter from Chief Eneas, Penticton Indian Band, indicating that the Band Council would discuss the appointment of an Observer at the next general Band Council meeting.
2. Village of Keremeos, appointing Mayor Frances L. Peck as Observer
3. Letter from the Village of Oliver, appointing Mayor Monica Hoover as Observer.
4. Letter from the Township of Spallamacheen, indicating that Council would send an Observer to Board meetings after receiving agendas of each meeting.

5. Corporation of the District of Peachland, appointing Mr. Sydney J. Buckler as Observer.

Correspondence:

The following items of correspondence were read:

- M.C. Pierrard  
Re: J. Sauvé  
visit:
1. Letter from M.C. Pierrard, Secretary to Madame Sauvé, Minister of Environment. The letter acknowledged receipt of the Okanagan Basin Water Board letter of January 30th inviting the Minister to visit the Okanagan Valley. Unfortunately Madame Sauvé's tight schedule would not permit her to visit the Valley. She suggested that the request be considered at a later date, in the fall perhaps.
- W.N. Venables  
Keremos  
Applic:
2. Letter from W.N. Venables, dated February 21st, 1975 informing that the application for a Pollution Control Permit by the Village of Keremeos has been adjudicated and the issuance of a permit had been refused.

Oxley - Postill

That the above correspondence be received and filed.

CARRIED

- H.D. DeBeck  
P.U.C. Certificate  
West Slope  
Utility:
3. Letter from Mr. H.D. DeBeck, Comptroller of Water Rights, dated February 10th, 1975. The letter contained a copy of a Certificate of Public Convenience and Necessity revising the service area appearing in the previous Certificates of West Slope Utility Corp. in connection with its water works system on the west shore of Okanagan Lake.

The Secretary-Manager indicated that the amended Certificate of Public Convenience and Necessity was merely a change in the description of some of the lot lines. Several lots had been added to the Certificate.

Postill - Thwaite

That the above letter be received and filed.

CARRIED

- B.E. Marr  
Dredging:
4. Letter of January 23rd, 1975 from Mr. B.E. Marr, Associate Deputy Minister of Water Resources Service. The letter indicated that the Water Resources Service was prepared to participate in a 50 - 50 cost sharing agreement with the Okanagan Basin Water Board to dredge the area of Kin Beach, Vernon Arm, Okanagan Lake during 1975. The maximum contribution by the Water Resources Service would be a share up to \$10,000. Local problems related to dredge spoil area, disposal sites, and possible nuisance factors would be investigated by the Water Board.

The Secretary-Manager explained the background of this correspondence. Some preliminary planning for this project had already been underway between the Water Resources Service and the Water Board.

A letter of March 5th, 1975 from the Regional District of North Okanagan was read. The letter indicated that at a regular meeting of the Executive Committee of the Regional District of North Okanagan an experimental dredging program in the vicinity of Kin Beach on Okanagan Lake was discussed. The letter advised that it had been agreed

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
MARCH 6th, 1975.

3. 4

to provide adequate funds to implement this program on the understanding that the Government will share in this cost to the maximum of \$10,000.

The Chairman indicated that this would be entirely a pilot program and would be completely monitored. The Regional District of North Okanagan has agreed to underwrite the local cost share of the project.

Mr. Day asked whether this dredging would be of the conventional type. The Secretary-Manager explained that the dredge was a specialized dredge designed for skimming muck and weed roots off the lake bottom, and depositing them on a land surface.

Material at the Vernon site would be used to fill a low lying area. If a dredging project was to be undertaken in the Kelowna area, considerable valuable recreation land could be recovered.

Laird - Postill

That the letter from Mr. Marr be accepted.

CARRIED

E. Anthony 5. Letter of February 19th, 1975 from Mr. E. Anthony, Regional Engineer, Water Rights Branch. The letter referred to several areas of erosion along Kelowna Creek which Mr. Anthony had discussed with the Secretary-Manager. One of the areas was at the Glenmore Irrigation Districts' intake and the other in the channel near the Kelowna Airport. Mr. Anthony indicated that the District Manager of the Irrigation District agreed to minimize the possibility of erosion around the Irrigation District intake site. New works would be constructed by the fall of 1975. The Manager of the Airport would be contacted in March, after the snow level has melted. The channel would be inspected.

Dooley - Oxley

That the above letter be received and filed.

CARRIED

The Secretary-Manager indicated that in many areas where stream banks are not stable, stabilization could be simply accomplished by planting the native shrub type willows. Surveys along streams indicated that where this willow appears, particularly along Vernon Creek banks are completely stabilized by a mat of roots. He suggested that a willow planting experiment be undertaken during the early summer with the assistance of summer student help. The cost to the Water Board would not exceed \$100.00.

Oxley - Day

That the Water Board spend up to \$100.00 on a willow planting experiment along any creek to control erosion.

CARRIED

B.E. Marr 6. Letter of February 28th, 1975 from Mr. B.E. Marr. The letter  
Implemen- acknowledged an Okanagan Basin Water Board letter of January  
tation 28th proposing that the Okanagan Basin Water Board be provided  
Task Force with early opportunity to review the Okanagan Basin Study imple-  
Report: mentation Task Force Report and Draft Agreement. Mr. Marr in-  
dicated this would be discussed at the next meeting of the Can-  
ada-British Columbia Committee.

The Chairman indicated that the draft Letters Patent received  
this morning contained reference to the Implementation Study.

Postill - Colclough

That the above letter be received and filed, and communication  
maintained with Mr. Marr for release of the Implementation Task Force  
Report.

CARRIED

Feasibili- Letters and reports were received from the following communities  
ty and indicating the status of the feasibility studies, and progress in  
Cost planning for waste treatment:  
Studies -

Advanced District of Coldstream  
Waste City of Armstrong  
Treatment Village of Osoyoos  
Priority Winfield (Regional District of Central Okanagan)  
Areas: City of Penticton

The Secretary-Manager mentioned that several other communities  
have completed engineering feasibility reports. These reports would  
be received shortly.

The Chairman indicated it was important that an inventory be  
compiled of the ten priority areas for waste treatment. Those areas  
requiring tertiary treatment, and those areas requiring systems start-  
ing from scratch would be particularly important.

Mr. Boothe asked how the ten priority areas were established.  
The Chairman indicated these were outlined in the Okanagan Basin Study.

Mr. Boothe indicated that in the near future sewage treatment  
would be required for Summerland.

Mr. Day indicated that the letter from the Regional District of  
Central Okanagan requested clarification of the Okanagan Basin Water  
Board letter concerning the extent of the feasibility and cost studies.  
He indicated that a proposal for a feasibility and cost study sub-  
mitted by an engineering firm was far broader and more expensive than  
was the intent of the Water Board. He wished the Board to send a let-  
ter of clarification to the Regional District of Central Okanagan.

The Chairman indicated that he simply wanted to know what had  
been done and what is anticipated in the area.

Day - Thwaite

That a letter of explanation be sent to the Regional District of  
Central Okanagan concerning feasibility and cost studies in the Win-  
field area.

CARRIED

Mr. Day felt that as soon as financing and other arrangements have been made a more indepth study could be done in the Winfield area. However, for the present time a general indication of the cost is all that would be necessary.

The Chairman agreed that a large expenditure on a feasibility study would not be required at this time, only a reasonably accurate figure is required.

Day - Postill

That the above correspondence be received and duly noted.

CARRIED

Snow Pack  
and Lake  
Levels:

The Secretary-Manager presented a report on the February 1st and March 1st snow pack and lake levels. The February 1st snow survey indicated that the majority of snow courses in the Okanagan showed a higher water equivalent than at the corresponding measurement last year - a high runoff year.

Measurements from only a few stations were available for March 1st the complete summary would be available in mid-March when the snow survey bulletin is printed. Those stations reporting indicated a snow pack for Mar. 1 which was above average. Some stations were less than the high 1972 and 1974 snow packs. Other stations were as high or higher than the 1972 and 1974 snow pack. The Okanagan River discharge had been reduced for a very brief period to 337 cfs to allow for repairs on the Zozel Dam which had again broken. Discharge on the Okanagan River would be increased again today when repairs are completed to 2000 cfs. This is the maximum possible discharge. This may be reduced slightly during the following week. The level of Okanagan Lake was presently 1120.93 ft. elevation.

Postill - Colclough

That the snow pack and lake level report be filed.

CARRIED

Kalamalka  
Wood Lake  
Study:

The Secretary-Manager indicated that the Kalamalka-Wood Lake Study is now being released by the Province. Summaries of the Study were contained in the folders. The text of the final report was now being printed, and the Board would be receiving a copy. A copy of the 33 recommendations arising from the Study was now available. The Secretary-Manager indicated that the Implementation Task Force of the Okanagan Basin Study is working to include implementation of the recommendations of the Kalamalka-Wood Lake Study into the Okanagan Basin Study.

Oxley - Thwaite

That the summary of the Kalamalka-Wood Lake Study report be received and referred back for study.

CARRIED

Applications for Pollution Control Permits:

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

- Wayne Cooke & Len Cooke, Oliver, B.C:
1. Application by Wayne Cooke and Len Cooke of Oliver, B.C. to discharge effluent from a laundromat near McIntyre Creek near Oliver, B.C. The maximum amount of discharge would be 2200 imperial gallons per day.

The Secretary-Manager indicated that this application had been presented to the last meeting of the Board, however, the Directors of the Regional District of Okanagan-Similkameen indicated they wish to receive comment from the Electoral Area Director. The Director concerned was not available, as he was away on holiday. The Secretary Manager indicated that the discharge was into the ground and was at least 800 ft. away from any surface water.

Thwaite - Postill

That there be no objection to the application by Wayne Cooke and Len Cooke.

CARRIED

- Alberta Gypsum - Lumby:
2. Application by Alberta Gypsum Ltd., Vernon, B.C. to discharge effluent from a silver, lead, zinc and copper ore concentrator into a tailings pond located near Lumby, B.C. The average daily discharge would be 100,000 gallons and the maximum discharge would be 150,000 gallons. The effluent would be discharged to an impoundment and reclaimed for use in the mine. There would be no surface water discharge.

The Secretary-Manager indicated there was some concern by the Fisheries Branch, the Pollution Control Branch and the Health Unit concerning the possibility of seepage from the tailings pond into Bessette Creek which was nearby. However, a well monitoring program has now been established. The wells will be regularly sampled to determine whether there is any seepage from the mine. The mine is currently operating on a temporary permit valid for six months.

A letter from the Regional District of North Okanagan was read concerning the application. The letter indicated that representatives from Alberta Gypsum appeared before the Regional District of North Okanagan and outlined the type of treatment that would be applied to the effluent. The Regional Board now totally supports the Pollution Control application; subject to it being acceptable to the Pollution Control Branch.

Oxley - Laird

That the application for a Pollution Control Permit by Alberta Gypsum Ltd. be approved.

CARRIED

- Kenneth Harvey Stephenson-Westbank:
3. Application by Kenneth Harvey Stephenson, R.R. #1, Glenrosa Rd., Westbank, to discharge effluent from a commercial laundry operation located on Highway 97. The average annual daily discharge would be 1,600 gallons and the maximum daily discharge would also be 1,600 gallons. The effluent would pass into a septic tank and tile field.

The Secretary-Manager mentioned that the Technical Committee of the Regional District of Central Okanagan had reviewed the application. There was no concern for water pollution.

Day - Postill

That the application for a Pollution Control Permit by Kenneth Harvey Stephenson be not objected to.

CARRIED

O.K.  
Builders  
Land  
Development-  
Kelowna:

4. Applications for amendments to Pollution Control Permits by Okanagan Builders Land Development, Kelowna, B.C. The applications for amendments were related to the operation of two batch sewerage treatment plants in the Kelowna area. The amendment was to increase the volume of discharge in one plant from 60,000 imp. gals./day to 100,000 imp. gals./day. In the second plant, the discharge would be increased from 60,000 imp. gals./day to 140,000 imp. gals./day.

The Secretary-Manager indicated these two applications have been reviewed by the Technical Committee of the Regional District of Central Okanagan and the Board of the Regional District of Central Okanagan.

Mr. Day indicated that a letter had been received from the Pollution Control Branch indicating that the plants were not operating satisfactorily and the Pollution Control Branch would likely be taking action. The Regional District of Central Okanagan tabled these applications until further clarification.

Day Postill

That the applications for amendments to Pollution Control Permits by Okanagan Builders Development be tabled until further information is received.

CARRIED

Village  
of  
Osoyoos:

5. Application for an amendment to a Pollution Control Permit by the Corporation of the Village of Osoyoos. The amendment called for the addition of an anaerobic lagoon and two exfiltration basins to the present system. An increase in volume from 150,000 imp. gals./day maximum to an average of 240,000 imp. gals./day and a maximum of 300,000 imp. gals./day was asked for.

The Secretary-Manager indicated that Kissinger spring, which arises immediately below the existing Osoyoos lagoon, has been monitored over a period of years by the Pollution Control Branch. The results indicated there was some seepage from the lagoon into the spring; however, the amount of contaminants was not great when compared to the discharge of regularly treated effluent. He suggested that perhaps at a future date some effort should be made to recycle water coming out at the spring onto crops, and to irrigate adjacent land during the summer months with the entire flow of summer effluent.

Postill - Oxley

That the application for an amendment to a Pollution Control Permit by the Corporation of the Village of Osoyoos be not objected to, if a monitoring program is in effect.

CARRIED

Other Business

The Chairman mentioned, for the benefit of the Press and those not present for the morning meeting, that the Associate Deputy Minister of Municipal Affairs had presented the Water Board with a draft of Letters Patent. The draft essentially did contain all of the items which the Board had recommended to be in the draft, although these were in a different form. Letters would be taken back to each of the three individual Regional Districts for study and discussion. The Board would then arrange to meet again for final consideration of the draft Letters Patent on March 21st. The Chairman indicated that the Board could be generally encouraged by the response received.

Mr. Day referred back to earlier business concerning dredging. He mentioned the City of Kelowna is considering the possibility of dredging in several areas. Other work to be done in the Valley could possibly be done at the same time. The Secretary-Manager indicated that he would communicate with the City of Kelowna concerning timing and scheduling of dredging in other parts of the Valley and would arrange to see if projects could be scheduled at the same time.

The Board suggested that copies of the agendas and minutes be sent to Observers on the Board.

Thwaite - Postill

That the Board adjourn to a meeting of the Committee-of-the-Whole.

CARRIED

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The meeting adjourned at 4:00 P.M.

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MINUTES OF A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 6th, 1975. 4:00 P.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

1.

Present: S. Fleming Chairman R.D.N.O.  
R. Postill R.D.N.O.  
C. Day R.D.C.O.  
L. Dooley R.D.C.O.  
F. Laird R.D.O.S.  
F. Colclough R.D.O.S.  
K. Boothe Alternate R.D.O.S.  
W. Parchomchuk Secretary-Manager.

Also in attendance:

F. Oakes Alderman, Penticton  
S. Buckler Observer, Peachland

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Aquatic Weed Jetting Equipment: The Secretary-Manager mentioned that it appeared funds would be available for researching aquatic weed jetting equipment to remove aquatic weed root systems. Environment Canada has offered funding up to \$5,000. Funds backed by the Water Board could now be returned.

The Secretary-Manager indicated it was fortunate that the Board was able to support the project until additional funding was available. This allowed an early start on fabrication so that the equipment could be ready for testing in March and April while lake levels are low.

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Letters Patent: Dealing with the Letters Patent, Mayor Laird asked the Board whether they were pleased with what was presented.

The Chairman indicated the Board was taken a bit back by the nature of the document, but by reading it through carefully it did include all of the items that the Board had requested.

Mr. Boothe asked whether the finance formula would be taken back to the Regional Districts for discussion and then brought back to the Board. The Chairman indicated this should be done.

Mayor Laird regretted that he would not be able to attend the meeting on March 21st, he could not be present at that date.

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The meeting adjourned at 4:15 P.M.

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MINUTES OF A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
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F. Colclough R.D.O.S.  
K. Boothe Alternate R.D.O.S.  
W. Parchomchuk Secretary-Manager.

Also in attendance:

F. Oakes Alderman, Penticton  
S. Buckler Observer, Peachland

Aquatic  
Weed  
Jetting  
Equipment:

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MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
AND MR. C.H.L. WOODWARD OF MUNICIPAL AFFAIRS. MARCH 6th,  
1975 10:30 A.M. OFFICES OF THE REGIONAL DISTRICT OF  
CENTRAL OKANAGAN, 540 Groves Avenue, Kelowna, B.C.

1.

Present:	S. Fleming	Chairman	R.D.N.O.
	R. Postill		R.D.N.O.
	T. Oxley		R.D.N.O.
	C. Day		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	H. Thwaite		R.D.C.O.
	F. Colclough		R.D.O.S.
	K. Boothe	Alternate	R.D.O.S.
	C. Woodward	Municipal Affairs	
	W. Parchomchuk	Secretary-Manager	

Also in attendance:

W. Treadgold	Mayor, City of Kelowna
A. Harrison	Administrator, R.D.C.O.
P. Mackiewicz	Administrator, R.D.N.O.

Letters Patent: The Chairman asked Mr. Woodward to outline the role of the restructured Water Board, and to review the new draft Letters Patent.

Mr. Woodward apologized for the delay in presenting draft Letters Patent. These had been circulating to various government departments. A draft had just now been completed. He stressed that the copy he was presenting today was only a draft. Further input by the Board and the government would be required. There were a few problems that would have to be resolved. He felt the draft was a long way from being finished; however, the general idea was there. The approach the Department of Municipal Affairs took was to prepare new Letters Patent that are an amendment to the existing Letters Patent of the Water Board.

Mr. Colclough entered.

Mr. Woodward reviewed the new draft Letters Patent which are attached to and form part of these minutes. He indicated where additions were made to the existing Letters Patent.

Mr. Woodward indicated there is some difficulty in trying to assign authority to the Water Board, which authority would be superior to the body assigning it. That is, the Water Board could not be superior to the Regional Districts themselves.

Mr. Fleming indicated that the three Regional Districts agreed, by resolution, that in a limited area of jurisdiction the Water Board should be given authority greater than the three Regional Districts. This would be similar to that of a Hospital District.

Mr. Woodward indicated that all of the items that the Water Board had requested in their resolution, to be included in the new Letters Patent, are all in the new draft. However, the Board could not be given special authority over the Regional Districts without special legislation.

The Secretary-Manager asked if the function of the Board would then largely depend upon the cooperation of the three Regional Districts. Mr. Woodward indicated this would be the case.

The Chairman indicated now that the recommendations of the Okanagan Basin Study are completed there is a need to implement these, but there is no authority to implement the recommendations. Authority is required to act under a clear objective. Some assurance will be required that the Board is not wasting its time on ineffective action.

Mr. Woodward indicated that the Letters Patent declare the Water Board to be the Regional Authority referred to in recommendation 1 (b) of the comprehensive framework plan.

Also the Okanagan Basin Water Board would be in a review position insofar as land use was concerned, and in those items for which Provincial Departments would have prime jurisdiction.

The Board would be in a coordinating position insofar as finance was concerned. The Board would be able to set financing policies and land use policies and indicate to the municipalities whether there is any variation from the comprehensive Okanagan Basin framework plan.

Mr. Postill indicated that the Board would only be interested in carrying out the plan.

Mr. Woodward indicated the Board would be the clearing house for all Valley decisions and could, thereby, implement the Study; however the Board could not pass land use by-laws.

Mr. Harrison indicated then that the Board would still only be in a recommending position and could not go to the Regional Districts or the Municipalities and say that by a certain date certain works must be installed. The Board could still only advise.

The Chairman indicated that perhaps the Board should not want all of this authority at once but it should be evolutionary.

Mr. Woodward indicated that the Regional District itself could not dictate to municipalities what must be done concerning sewage.

The Chairman indicated that implementation ability related to finance. The Board could say it would not support financing of a project unless the project conforms with the overall plan.

Mr. Woodward indicated that financing for the individual municipal schemes will be sought by the municipality itself. However, these schemes would all have to be approved by the Board.

Mr. Colclough indicated that if the Board had the financing or the control of financing it could say what must be done.

Mr. Boothe asked concerning areas that have installed works; and would they be reimbursed. Would this be covered under Letters Patent.

The Chairman indicated this would not be under Letters Patent, but would come under a financing formula.

Mr. Oxley asked when other areas in addition to the existing priority areas would be considered. The Chairman indicated that the Board could make recommendations at almost anytime as other areas become critical for sewage treatment.

Mr. Boothe asked whether the new Letters Patent actually gave the Board more authority.

The Chairman indicated that the Board would have more authority since it could now be the policy setting Board.

Mr. Woodward indicated that the Shuswap area would be able to opt in at a later date, if required.

Mr. Day asked how Letters Patent would fit in with the Pollution Control Board. Would there be changes in the Pollution Control Boards role. There has to be another body in the Valley that could be contacted when something is required to be done about miscellaneous sources of pollution.

Mr. Woodward indicated the Pollution Control Board has broad powers but there would not be much point in laying an order on a community to do something unless it had the financial base. Now that a broader financial base would be provided, through basinwide financing, individual municipalities would be in a better position to implement works. Mr. Day indicated that municipalities often are not the main polluters. There are a multiple of other varied sources including industry. An authority would be required to order these areas to curtail pollution.

Mr. Boothe indicated that the entire matter of implementation would have to rely heavily on cooperation. There appears to be no real authority.

The Chairman indicated that the Board would be working on the principle that has already been established by the Regional Districts. Only financing is now required. The works could be implemented by mutual consent.

The Secretary-Manager asked whether the Board would be coordinating overall financial policies which have a bearing on the entire Okanagan Basin; and policies which are peculiar to individual communities would be the responsibility of the communities themselves.

Mr. Woodward indicated that the Board would not be the financing authority. Financing would still be through existing channels, but the Board would coordinate overall Valley financing.

Mr. Woodward drew the Board's attention to paragraph 14 of the new draft Letters Patent which indicated that the Board shall establish a Liason Committee. This would be similar to a Technical Committee.

Mr. Harrison asked whether the Committee would be technical or political or both. Mr. Woodward indicated it would be up to the Board who would be on the Committee. The Committee could be a mix.

The Chairman thanked Mr. Woodward for his presentation. Mr. Woodward left the meeting.

The Chairman suggested that the draft Letters Patent be taken back to the Regional Boards, and a review of the draft be made by the Water Board following the Regional Districts review. Mr. Dooley suggested that the Board briefly review the draft before going to the individual Regional Boards so that some form of consensus could be reached and a recommendation made to the Regional Boards.

The Board briefly reviewed both the draft Letters Patent and the draft as contained in the resolution by the three Regional Districts. It appeared that everything that was required in the draft by the three Regional Districts as of their joint resolution was included in Mr. Woodward's draft.

The Board would meet in the afternoon for a more detailed discussion of the draft. The Chairman suggested that a meeting on the morning of March 21st be set for the Board, after the Regional Districts have seen and commented on the draft Letters Patent.

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The meeting adjourned at 12:00 Noon.

DRAFT 1955  
LETTERS PATENT

C A N A D A

PROVINCE OF BRITISH COLUMBIA

ELIZABETH the SECOND, by the Grace of God, of the United Kingdom,  
Canada and Her Other Realms and Territories, Queen,  
Head of the Commonwealth, Defender of the Faith.

To all to whom these presents shall come -

GREETING.	( WHEREAS pursuant to the provisions of
	(
	( section 138 of the Municipalities
	(
	( Enabling and Validating Act, the
	(
	( Lieutenant-Governor in Council may,
Minister of	(
Municipal Affairs	( upon the recommendation of the Minister,
Issue supplementary Letters Patent to the Regional Districts of	
Okanagan-Similkameen, Central Okanagan, North Okanagan and Columbia-	

Shuswap, or any of them, providing that such regional district is empowered to participate with any other regional district in the establishment and operation of a Board to be known as the "Okanagan Basin Water Board", and the provisions of sub-section (4) of section 766 of the Municipal Act do not apply to supplementary Letters Patent issued pursuant thereto:

AND WHEREAS by supplementary Letters Patent dated the 22nd day of October, 1969, the Regional District of Okanagan-Similkameen was empowered to participate in the Okanagan Basin Water Board:

AND WHEREAS the Regional Districts of North Okanagan and Central Okanagan were also so empowered and the Okanagan Basin Water Board formed:

NOW KNOW YE THAT by these Presents We do order and proclaim that on, from and after the date hereof Division VIII -(Okanagan Basin Water Board) of the Letters Patent of the Regional District of Okanagan-Similkameen, be amended as follows:-

1. By amending paragraph 1 by inserting after the word "municipalities" in the first line "except those municipalities, electoral areas, in parts thereof lying outside the Okanagan Basin as hereinafter described :-

(insert description)

2. By adding after sub-paragraph (v) of paragraph 3 the following:-

"(vi) The Water Board shall be the regional authority referred to in Recommendation 1(b) of the Comprehensive Framework Plan attached



to and forming part of the Canada-British Columbia Okanagan Basin Implementation Agreement and the Water Board shall act as the co-ordinating agency in the implementation of any of the recommendations of the Comprehensive Framework Plan of the Okanagan Basin Study involving the regional authority.

- (vii) The Water Board may advise any municipality or regional district and any Provincial Department or Agency that any action, regulation or by-law is contrary to the recommendations of the Comprehensive Framework Plan of the Okanagan Basin Study or any recommendation of the Water Board made pursuant to sub-paragraph (iv)".

3. By amending paragraph 6 by adding at the beginning the words "Subject to paragraph 13".

4. By adding the following as paragraphs 13 and 14:

"13. In addition to all other powers the Water Board may, where it has recommended that a sewage treatment facility be constructed or upgraded, require that all participating regional districts contribute to the costs of such facilities in accordance with a formula to be determined by the Board and approved by the Inspector of Municipalities; but, the total contribution required from any participating regional district under this paragraph shall not exceed the product of (one mill) on the assessed values referred to in paragraph 4.

"14. The Water Board may establish a Liaison Committee consisting of persons appointed by such municipalities, regional districts, improvement districts and Government agencies as the Water Board may determine, and the Liaison Committee shall advise on such matters as may from time to time be referred to it by the Water Board."

AND THAT the Letters Patent of the Regional District of Okanagan-Similkameen be deemed to be amended accordingly:

In testimony whereof, We have caused these Our Letters to be made Patent and the Great Seal of Our said Province to be hereunto affixed.

WITNESS, the Honourable Walter S. Owen, Q.C., LL.D., Lieutenant-Governor of Our said Province of British Columbia, in Our City of Victoria, in Our said Province, this                    day of                    , in the year of our Lord one thousand nine hundred and seventy-five, and in the twenty-fourth year of Our Reign.

By Command.

Provincial Secretary.

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 6th, 1975 1:45 P.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA

1.

Present:	S. Fleming	Chairman	R.D.N.O.
	R. Postill		R.D.N.O.
	T. Oxley		R.D.N.O.
	C. Day		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	H. Thwaite		R.D.C.O.
	F. Colclough		R.D.O.S.
	K. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Letters Patent: The Chairman indicated there were enough members present to have a brief meeting prior to the regular meeting of the Board at 2:30 P.M.

Postill - Boothe

That the Okanagan Basin Water Board reconvene the meeting as a Committee-of-the-Whole.

CARRIED

The Chairman asked whether the Directors wished to take back the new Letters Patent to their individual Regional Boards at this time or will a Water Board discussion be required first.

Mr. Dooley indicated that he would like to go back to his Regional Board with some support for the document from the Water Board.

Mr. Booth indicated that he would support the new Letters Patent.

Mr. Thwaite asked whether, in paragraph 14 of the new draft, the word "shall" should be deleted from the paragraph and perhaps changed to "may". The Chairman indicated that the Water Board could determine who was appointed to this Committee, therefore, it would not be critical to remove the word "shall". Mr. Thwaite agreed.

Mr. Oxley asked when the Board would start on the financing formula as indicated in paragraph 4 of Letters Patent. The Chairman indicated that the formula would still have to be derived. However, the document he presented from the Regional District of North Okanagan could be used as a start of discussion.

Mr. Booth asked whether, under paragraph 4, the financing formula would become a function of the Board.

The Chairman indicated that to raise the local money required would be a function of the Board on behalf of the Regional Districts.

Mr. Thwaite suggested the draft Letters Patent be taken back to individual Regional Boards as they are presently written. He suggested the individual Boards not endeavor to undertake many major changes but to get the Letters Patent through in their existing form as quickly as possible.

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Mr. Thwaite suggested the draft Letters Patent be taken back to individual Regional Boards as they are presently written. He suggested the individual Boards not endeavor to undertake many major changes but to get the Letters Patent through in their existing form as quickly as possible.

Postill - Day

That the Water Board accept the Letters Patent as presented by Mr. Woodward and that the Letters Patent be presented to each Regional District for approval with only minimal changes, if required.

CARRIED

Financing  
Formula:

A financing formula was then discussed.

Mr. Dooley indicated that the Regional District of Central Okanagan have briefly discussed a financing formula and had adopted a resolution stating that they were in favor of some form of financing over the basin.

Mr. Sidney Buckler, Observer from Peachland entered the meeting.

The Chairman indicated that it was essential that the ten priority areas requiring additional waste treatment submit feasibility and cost studies as soon as possible. Those areas which are not presently included within the ten priority areas could, in the future, tie into plants established in the priority areas. Amendments to the order of priority could be made as required. Decisions concerning the financing and scheduling of the first priority plants should be well advanced within a five year period. The existing Federal - Provincial program should be reviewed and applied where necessary in the first five year phase. Existing programs include C.M.H.C. and the Provincial Government Bill No. 88, new C.M.H.C. regulations and D.R.E.E., where applicable. Other means of financing would have to be explored with the senior governments.

The Chairman indicated there are two items with which the Board could start: mainly, (1) tertiary treatment costs should be the responsibility of the Federal and Provincial Governments; and (2) those areas that have to start from scratch would need some form of preferential treatment insofar as financing is concerned.

The Chairman mentioned that if the Board was satisfied with the draft of the proposed finance formula as presented this morning by the Regional District of North Okanagan, this could be presented to each Regional District as a basis for discussion.

Mr. Colclough indicated that the Regional District of Okanagan-Similkameen was opposed to a financing formula, but he would take the suggestion back to his Board and see if there could be a commitment.

Mr. Boothe asked if there would be no benefit to Summerland; say for the next five to ten year period, why would a community like Summerland have to pay into a financing formula. The Chairman indicated that smaller areas would benefit more. It would also be helping to get critical areas cleaned up first. Once these are done then the smaller centers would be helped with sewage treatment right from the initial phase of collection to tertiary treatment.

Postill - Oxley

That the proposed finance formula, as drawn up by the Regional District of North Okanagan, be presented to the Regional Boards for discussion only.

CARRIED

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The meeting adjourned at 2:30 P.M.

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 6th, 1975 1:45 P.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA

1.

Present:	S. Fleming	Chairman	R.D.N.O.
	R. Postill		R.D.N.O.
	T. Oxley		R.D.N.O.
	C. Day		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	H. Thwaite		R.D.C.O.
	F. Colclough		R.D.O.S.
	K. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Letters Patent: The Chairman indicated there were enough members present to have a brief meeting prior to the regular meeting of the Board at 2:30 P.M.

Postill - Boothe

That the Okanagan Basin Water Board reconvene the meeting as a Committee-of-the-Whole.

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The Chairman asked whether the Directors wished to take back the new Letters Patent to their individual Regional Boards at this time or will a Water Board discussion be required first.

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Mr. Booth indicated that he would support the new Letters Patent.

Mr. Thwaite asked whether, in paragraph 14 of the new draft, the word "shall" should be deleted from the paragraph and perhaps changed to "may". The Chairman indicated that the Water Board could determine who was appointed to this Committee, therefore, it would not be critical to remove the word "shall". Mr. Thwaite agreed.

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The Chairman indicated that to raise the local money required would be a function of the Board on behalf of the Regional Districts.

Mr. Thwaite suggested the draft Letters Patent be taken back to individual Regional Boards as they are presently written. He suggested the individual Boards not endeavor to undertake many major changes but to get the Letters Patent through in their existing form as quickly as possible.

Postill - Day

That the Water Board accept the Letters Patent as presented by Mr. Woodward and that the Letters Patent be presented to each Regional District for approval with only minimal changes, if required.

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A financing formula was then discussed.

Mr. Dooley indicated that the Regional District of Central Okanagan have briefly discussed a financing formula and had adopted a resolution stating that they were in favor of some form of financing over the basin.

Mr. Sidney Buckler, Observer from Peachland entered the meeting.

The Chairman indicated that it was essential that the ten priority areas requiring additional waste treatment submit feasibility and cost studies as soon as possible. Those areas which are not presently included within the ten priority areas could, in the future, tie into plants established in the priority areas. Amendments to the order of priority could be made as required. Decisions concerning the financing and scheduling of the first priority plants should be well advanced within a five year period. The existing Federal - Provincial program should be reviewed and applied where necessary in the first five year phase. Existing programs include C.M.H.C. and the Provincial Government Bill No. 88, new C.M.H.C. regulations and D.R.E.E., where applicable. Other means of financing would have to be explored with the senior governments.

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Postill - Oxley

That the proposed finance formula, as drawn up by the Regional District of North Okanagan, be presented to the Regional Boards for discussion only.

CARRIED

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The meeting adjourned at 2:30 P.M.

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 6th, 1975 9:45 A.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540  
Groves Avenue, Kelowna, B.C.

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1.

Present:	S. Fleming	Chairman	R.D.N.O.
	R. Postill		R.D.N.O.
	T. Oxley		R.D.N.O.
	C. Day		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	H. Thwaite		R.D.C.O.
	K. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Also in attendance:

W. Treadgold	Mayor, City of Kelowna
A. Harrison	Administrator, R.D.C.O.
P. Mackiewich	Administrator, R.D.N.O.

Letters Patent: The Chairman suggested that the original resolution concerning Letters Patent as adopted by the three Regional Districts would likely have to be compared to the draft Letters Patent which Mr. C. Woodward would shortly present to the Board. In addition, he expected there would be some discussion with Mr. Woodward concerning an approach to finance.

The Chairman read a letter, prepared by the Finance Committee of the Regional District of North Okanagan, outlining several items that should be incorporated into a finance formula for Federal - Provincial and local government cost sharing of sewage treatment works.

The Chairman indicated there was one item missing from the formula in that many communities presently requiring sewer systems have no sewerage works at all; not even collector lines. Many of these will require complete sewerage, from trunk lines to tertiary treatment. This is a large responsibility to undertake in one step. Special consideration in this case will be required. Special terms would have to be negotiated with the Federal and Provincial Governments to finance these localities.

The Chairman indicated that municipalities, such as Penticton, with tertiary treatment systems already installed, should be compensated for having done the work previously.

Mr. Harrison asked whether the financing referred only to capital cost. The Chairman indicated, yes, that only capital costs are included. Operating costs would be the responsibility of individual municipalities.

A discussion of spray irrigation occurred.

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The meeting adjourned briefly at 10:30 A.M. - before meeting with Mr. Woodward.

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 21st, 1975, 9:45 A.M.,  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN

1.

Present:	S.A. Fleming	Chairman	R.D.N.O.
	R.W. Postill		R.D.N.O.
	T.W. Oxley		R.D.N.O.
	J.H. Stuart		R.D.C.O.
	C.B. Day		R.D.C.O.
	H. Thwaite		R.D.C.O.
	D.R. Booth	Alternate	R.D.C.O.
	F. Colclough		R.D.O.S.
	J.B. Shaw		R.D.O.S.
	K. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

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The Chairman indicated he was attempting to make arrangements for Madame Sauvé to visit the valley. He had conversed with her representative in Vancouver. There was a good possibility she would visit the valley in May. Madame Sauvé still does not have a copy of the Implementation Task Force report.

Letters  
Patent:

The Chairman indicated the purpose of the meeting would be to consolidate views on Letters Patent and to further discuss a financing formula.

The Chairman asked how each of the Regional Boards had accepted the draft Letters Patent as presented on March 6th by Mr. Woodward:

The Regional District of North Okanagan had accepted draft Letters Patent in almost the same way as presented. In the first sentence of paragraph 14, page 4, the word "may" was changed to "shall". The Board agreed this was a change that had already been suggested. The Regional District also suggested that more work would be required on financial arrangements.

The Regional District of Central Okanagan agreed with the draft Letters Patent in principle. Financing arrangements would require additional work.

Mr. Colclough indicated that the Regional District of Okanagan-Similkameen felt that item (vii) on page 3 did not give the Board sufficient authority. The Regional District felt this paragraph should be amended to give the Board more authority in water management. A financing formula was briefly discussed; however, the Regional Board agreed that Letters Patent were the first priority.

Mr. Thwaite indicated that it is difficult for the Board to have powers exceeding the Regional Districts. He felt that at the start it is best to approve the Letters Patent more or less as they are so that the Board could start work on the items required. If there could be an improvement, this could be made later. The Board should go on record as having the Letters Patent as soon as possible.

The Chairman suggested the Department of Municipal Affairs should be approached to see if they have any consideration how the Water Board's authority could be strengthened.

Mr. Postill indicated that the Letters Patent should be accepted at this time.



Mr. Colclough suggested the following wording could be added to paragraph (vii) to strengthen the Board: "No department or agency can act contrary to this advise", or "The Board may require that any municipality follow the comprehensive plan of the Study".

The Chairman suggested that if the Board's authority is strengthened there should be an avenue for the municipalities to appeal the decision of the Board.

Mr. Stuart agreed the draft Letters Patent should be taken as is. If at a later date there is not sufficient cooperation the Letters Patent could be changed. He would like to see the valley communities cooperate without being forced to do so.

Mr. Oxley asked under which Department the Board would come, and would be responsible to. The Chairman indicated that much of the work the Board would be doing related to water comes under the Department of Lands, Forests and Water Resources; however, the Letters Patent and the reporting of the Board would likely be to the Department of Municipal Affairs.

Mr. Thwaite indicated the Letters Patent should be completed as quickly as possible. The Board should be in a position to coordinate the financing as soon as possible. Mr. Postill agreed the Board should not wait any longer for processing Letters Patent.

Mr. Day entered.

Mr. Colclough indicated that he too was anxious to have the Letters Patent processed; however, he was concerned also that the Letters Patent should be correctly drafted. He referred to recommendation 1 (b) of the Okanagan Basin Study which indicates the Water Board should be given authority to implement the Study.

The Chairman suggested that the Department of Municipal Affairs be informed that the Board had discussed this paragraph and if necessary a second look should be taken at the paragraph. It may have to be changed at a later date if it does not give the Board adequate authority.

Mr. Thwaite indicated if the authority granted by the draft Letters Patent is not enough, special legislation would be required. Presently the Board could not exceed the authority of Regional Districts.

Mr. Postill indicated the Board would have to depend largely on cooperation with the municipalities and government branches. The Board could not exceed the authority given to the various government branches involved with water management.

The Chairman indicated it is important to have on record, with the Department of Municipal Affairs, that the Board has questioned paragraph (vii). It may have to be changed.

Mr. Colclough asked that he, Mayor Shaw and Mayor Boothe be excused for a few minutes.

Upon returning Mr. Colclough indicated that representatives of the Regional District of Okanagan-Similkameen could accept the Letters Patent as presented, provided that a strong recommendation is made to the Department of Municipal Affairs that full authority be given to the Board to implement the Study.

The Board agreed that this was a reasonable consideration.

Colclough - K. Boothe

That the Board accept the draft Amended Letters Patent as presented by the Department of Municipal Affairs, as time is important; however, at the same time the Department should be given a strong recommendation that full authority be given to the Water Board to implement the Study.

CARRIED

Financial  
Formula:

The Chairman, in referring to a financing formula, asked whether one mill, as suggested in the Letters Patent, would be ample to cover local costs. He asked the Secretary-Manager to review possible costs. The Secretary-Manager indicated that once cost figures have been received from the ten priority areas for waste treatment, these would be summarized. Since the projects varied greatly, the type of funding through existing legislation would vary. It would also be necessary to find the existing sewerage debt of the municipalities. In summarizing existing costs, and estimating costs that presently are not available it appears approximately \$28,000,000 would be required for sewage treatment in the ten priority areas. Much of this funding would be available through existing senior government loans and grants. The portion that is not funded by senior levels would have to be funded locally. The Board would have to decide what portion would be funded locally and by what type of formula.

The Chairman indicated that a one mill maximum would be a good figure to start with as a requirement over the Basin. During the first few years possibly only a quarter or half mill would be required. Presentations should be made to senior governments to bear the total cost of tertiary treatment. The amount remaining after senior government sharing would be the responsibility of local government.

Mr. Stuart indicated that one mill is an easy figure to understand, and it would be a good figure to start with. The municipalities would be aware that the sharing would not exceed one mill.

The Chairman indicated that in any financing formula and negotiations with the senior government, the financing should be made retroactive so that those municipalities which have already started work would not be disadvantaged by works already completed. Following the rough layout of a formula, Treasurers of the Regional Districts should analyse what the results of the formula would be across the Basin. The Department of Municipal Affairs should examine the formula as well. He suggested the Letters Patent be passed with the one mill limit, and then a formula could be derived to see exactly how one mill would be applied throughout the valley.

The Chairman indicated that in paragraphs 4 and 6 of the old Letters Patent, which formed part of the new Letters Patent, it is not clear whether the Water Board would still maintain an administrative function over the entire area of the participating Regional Districts; even those areas lying outside the Okanagan drainage basin. This item should be clarified with the Department of Municipal Affairs.

Mr. Postill indicated that the Water Board should stay as an administrative unit over the entire area of the three participating Regional Districts but for those items requiring sewage works and implementation of the Okanagan Basin Study, sharing would be only by the area within the drainage basin.

Mr. Colclough indicated the way it appears now there is a one quarter mill limit on all areas within the three Regional Districts; but there was a one mill limit to only those areas within the drainage basin.

Mr. Colclough indicated the complexity would be in administering the allocation of the one mill levy. The Chairman indicated the financing formula would determine the allocation. He suggested that an Advisory Committee of the three Treasurers from the three Regional Districts be asked to help sort out the formula. Mr. Colclough suggested that the Regional Administrators be the Advisory Body.

The Chairman suggested that each Regional Board nominate one representative to a Financial Committee.

Postill - Colclough

That each Regional Board nominate one representative to a Financial Committee.

CARRIED

The Chairman suggested this Committee would work through the Water Board.

Fleming - Oxley

That a letter be forwarded to the Department of Municipal Affairs indicating that the Water Board has approved the draft Letters Patent and are in a position to ratify the final copy; and that the Board strongly recommends that fuller authority be given to the Board to implement the Study; and that clarification be made to paragraphs 4 and 6 of the existing Letters Patent to indicate an administrative role only of the Water Board over the entire area of the participating Regional Districts, including those areas lying outside the Okanagan Basin.

CARRIED

The Chairman suggested that the last paragraph of the letter should indicate that once Letters Patent are ratified the Board would initiate discussion of a financial formula.

Mr. Colclough indicated that he wished to have the one mill cost-sharing ratified by his Board first.

The Chairman indicated that the final document would still have to be ratified by the Water Board anyway.

Chairman,  
T.V.  
Inter-  
views:

The Chairman indicated that the television station wished him to explain the progress on Letters Patent. He would like to indicate, over T.V., that there has been good cooperation and good understanding so far. The next phase would be the formation of a financing formula. There would be a need to negotiate with senior governments for additional financing.

Priority  
Areas  
Waste  
Treat-  
ment:

Mayor Shaw asked concerning the extent of priority areas for waste treatment; especially collector systems, in the Osoyoos Lake area. The Secretary-Manager mentioned that the priority areas are those more or less as have been described in the Okanagan Basin Study. In the Osoyoos Lake area, for those urban areas near the Lake presently on septic tanks, it has been recommended that sewer collector lines be installed.

Mayor Shaw indicated that the target date of 1980 for completion of sewage works suggested, was not a very long lead time. He suggested that a summary be made of the stage each facility is at now.

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Spray                    The Secretary-Manager indicated that the Environmental Protection  
Irrigation Service and the British Columbia Water and Waste Association were pre-  
Seminar:                sending a one day Seminar on land disposal of domestic effluents at  
Harrison on April 9th.

Stuart - Postill

That the Secretary-Manager attend the Spray Irrigation Seminar at Harrison, if time allows.

CARRIED

The Chairman indicated that the spray irrigation system at Vernon would be operating after April 15th. Those members interested in seeing the facility could arrange to tour it then. Mayor Shaw suggested that the next meeting of the Board be held at Vernon to view the spray irrigation project.

The Chairman suggested that unless some urgent business arose in the meantime, that the next meeting of the Board should be on May 8th.

Thwaite - Oxley

That the next meeting of the Okanagan Basin Water Board be held on May 8th unless other urgent business arose in the meantime.

CARRIED

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Budget                Mr. Colclough indicated there were several items in the Budget  
1975:                he wished to review and asked the Secretary-Manager to be excused.

Following a brief discussion, the Secretary-Manager entered.

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Septic Tank           Mr. Day reported a septic tank effluent dumping problem above the  
Effluent               banks of Mission Creek on Highway 33. He was concerned the effluent  
Dumping               would run down slope into Mission Creek as snow melted. The Pollu-  
near                    tion Control Branch had inspected the site and made a statement that  
Mission                there was no hazard to Mission Creek. However, Mr. Day felt that  
Creek:                since the effluent was lying on snow there was a possibility it could  
reach the Creek. He requested the Okanagan Basin Water Board to take  
steps to prevent pollution of Mission Creek from this site.

Thwaite - Shaw

That the Secretary-Manager make an inspection of the effluent dump site above Mission Creek and let the Chairman know if any action is required; and that the Pollution Control Branch be contacted, if required.

CARRIED

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD. MARCH 21st, 1975, 9:45 A.M.

6.

The Chairman indicated that the Minister of Urban Affairs would be in the Okanagan in mid-April. The Chairman indicated that Mr. Joy, Madame Sauvé's representative in British Columbia, had been asked to approach Madame Sauvé personally, requesting her to visit the Okanagan. An equivalent invitation has been extended to Mr. Danson, as well.

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The meeting adjourned at 11:30 A.M.

NOTES FROM A MEETING OF THE FINANCE COMMITTEE TO ESTABLISH A BASIN-WIDE COST SHARING FORMULA FOR WASTE TREATMENT. JUNE 10th, 1975  
2:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

Present: P. Mackiewicz Administrator, R.D.N.O.  
A. Harrison Administrator, R.D.C.O.  
J. Rheaume Administrator, R.D.O.S.  
W. Parchomchuk Secretary-Manager, O.B.W.B.

The purpose of the meeting was to determine an equitable cost sharing formula, whereby, funds raised on a valley-wide basis could be allocated to priority sewage treatment areas on an equitable basis. The Water Board had agreed that there would be a maximum of a one mill levy on the entire basin to raise funds for implementation of waste treatment works.

The Committee agreed that since the Board had already determined that the maximum amount of sharing would be one mill there is no need to deliberate further on how much sharing there should be, but rather to determine the formula.

The Committee agreed that the community installing waste treatment works, or the benefiting community, should pay for the largest portion of the local share of costs after C.M.H.C. and other grants have been deducted. It was felt that the "home" community should pay at least the first three (3) mills of annual capital debt against the project before outside sharing could start.

The Committee presented the following alternatives for basin-wide cost sharing:

Alternative No. 1

This alternative suggests that the benefiting community, by itself along with outside loans, pay the capital debt up to three (3) mills annually against the project. Seventy-five (75) percent of debt beyond three (3) mills annually would be paid for by the Province under the Provincial Bill 88. The remaining twenty-five (25) percent after three (3) mills could be shared on a basin-wide basis. Basin-wide sharing would be limited to funds which could be raised by a one (1) mill levy annually. Once these funds have expired the "home" community would then be responsible for assuming the total of the local cost share following provincial assistance.

If costs to any one individual community are excessive a good case could be presented to the Province for the Province to pay the entire annual sewage debt of that community after the provisions of Bill 88 and basin-wide cost sharing have been considered.

With the above formula it may be possible that no communities within the basin would experience an annual capital debt, for sewage construction, in excess of four (4) mills.

Alternative No. 2

Under this alternative all existing waste treatment systems and all new future waste treatment systems would be turned over to the Water Board to assume all capital debt and debt administration. Only capital debt would come under this formula. Operating costs would not be included; and neither would the Board become involved in the operation of plants. These would remain under the present administration.

Alternative No. 3

This formula would specify that each area pay its complete costs. Basin-wide sharing would only apply to costs which cannot be specifically allocated; for example, administration, legislation, and enforcement. The Water Board should have the legislation to say that works should be completed, but the benefiting community would have to pay the entire local share of costs.

Alternative No. 4

This alternative suggests that a certain percentage of the capital costs of the project, after senior government sharing, be paid for on a valley-wide basis. Each community constructing new sewerage works would be guaranteed that a set percentage of the capital costs of the project would be assumed on a valley-wide basis. The percentage figure that would be set would be limited to the amount of funds that could be raised on a basinwide basis by a levy of one (1) mill.

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The Committee reviewed advantages of each Alternative:

Alternative No. 1 - Advantages:

1. Considers municipal sewage debt incurred from past construction, in that it forms a part of the Provincial Bill 88.
2. It tends to even out costs so that no one community will have costs greatly in excess of other communities.
3. It relates easily to existing senior government sharing, i.e. Bill 88.
4. Valleywide costs are projected to be less than one (1) mill.
5. It makes waste treatment possible in all areas having a high priority, provided that costs do not escalate faster than assessed values.

Alternative No. 2 - Advantages:

1. Considers past structural costs.
2. It evens out the capital costs over the entire basin.
3. It can relate to the provisions of Bill 88 and existing legislation.
4. It makes treatment possible in all areas having a high priority.

Alternative No. 3 - Advantages:

1. There are no problems of retroactive financing since there would be no cost sharing of capital works.
2. Costs would be equitable since those communities which have paid already do not have to be involved again.
3. No computation of a mill rate ceiling would be required.

NOTES FROM A MEETING OF THE FINANCE COMMITTEE TO ESTABLISH A BASIN-  
WIDE COST SHARING FORMULA FOR WASTE TREATMENT. JUNE 10th, 1975.

Alternative No. 4 - Advantages:

1. Regardless of costs and existing annual debt all communities would receive a set portion of funds towards the construction of any new sewerage works.

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The Committee agreed that the impact of future costs should be studied. However, before this could be done it would be necessary to obtain accurate up-to-date costs of anticipated sewage construction in those areas which would benefit by the formula. The Committee would like the opportunity to study the impact of the above alternatives upon the basin and upon individual communities.

This could be done at a future date when accurate cost figures are provided.

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The meeting adjourned at 4:30 P.M.



NOTES FROM A MEETING OF THE FINANCE COMMITTEE TO ESTABLISH A BASIN-  
WIDE COST SHARING FORMULA FOR WASTE TREATMENT. JUNE 10th, 1975  
2:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

Present: P. Mackiewich Administrator, R.D.N.O.  
A. Harrison Administrator, R.D.C.O.  
J. Rheume Administrator, R.D.C.S.  
W. Parchomchuk Secretary-Manager, O.B.W.B.

to

a.

No Regular Meeting  
Held June, 1975

no regular  
meeting  
June 1975

Alternative No. 3

This formula would specify that each area pay its complete costs. Basin-wide sharing would only apply to costs which cannot be specifically allocated; for example, administration, legislation, and enforcement. The Water Board should have the legislation to say that works should be completed, but the benefiting community would have to pay the entire local share of costs.

Alternative No. 4

This alternative suggests that a certain percentage of the capital costs of the project, after senior government sharing, be paid for on a valley-wide basis. Each community constructing new sewerage works would be guaranteed that a set percentage of the capital costs of the project would be assumed on a valley-wide basis. The percentage figure that would be set would be limited to the amount of funds that could be raised on a basinwide basis by a levy of one (1) mill.

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The Committee reviewed advantages of each Alternative:

Alternative No. 1 - Advantages:

1. Considers municipal sewage debt incurred from past construction, in that it forms a part of the Provincial Bill 88.
2. It tends to even out costs so that no one community will have costs greatly in excess of other communities.
3. It relates easily to existing senior government sharing, i.e. Bill 88.
4. Valleywide costs are projected to be less than one (1) mill.
5. It makes waste treatment possible in all areas having a high priority, provided that costs do not escalate faster than assessed values.

Alternative No. 2 - Advantages:

1. Considers past structural costs.
2. It evens out the capital costs over the entire basin.
3. It can relate to the provisions of Bill 88 and existing legislation.
4. It makes treatment possible in all areas having a high priority.

Alternative No. 3 - Advantages:

1. There are no problems of retroactive financing since there would be no cost sharing of capital works.
2. Costs would be equitable since those communities which have paid already do not have to be involved again.
3. No computation of a mill rate ceiling would be required.

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The Committee agreed that the impact of future costs should be studied. However, before this could be done it would be necessary to obtain accurate up-to-date costs of anticipated sewage construction in those areas which would benefit by the formula. The Committee would like the opportunity to study the impact of the above alternatives upon the basin and upon individual communities.

This could be done at a future date when accurate cost figures are provided.

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The meeting adjourned at 4:30 P.M.

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD AND MR. C. WOODWARD, JULY 3rd, 1975  
10:45 A.M. CITY HALL, VERNON, BRITISH COLUMBIA.

Present: C.H. Woodward                      Assoc. Deputy Minister of Municipal Affairs  
S.A. Fleming                      Chairman                      R.D.N.O.  
R.W. Postill                      R.D.N.O.  
T.W. Oxley                      R.D.N.O.  
J.H. Stuart                      R.D.C.O.  
H. Thwaite                      R.D.C.O.  
C.B. Day                      R.D.C.O.  
F.W. Laird                      R.D.O.S.  
J.B. Shaw                      R.D.O.S.  
F. Colclough                      R.D.O.S.  
P. Duke                      Mayor, Village of Lumby  
F. Oakes                      Alderman, City of Penticton  
W. Parchomchuk                      Secretary-Manager

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The Chairman indicated the purpose of this meeting would be to review the final draft of Letters Patent when Mr. Woodward arrives and to study a financial formula. A committee of the Regional District Administrators and the Secretary-Manager of the Board had met and had distributed copies of alternate financing methods to the Board.

Mr. Woodward entered the meeting at 11:00 A.M.

Letters  
Patent:

The Chairman asked Mr. Woodward to review the latest draft of Letters Patent which he had presented along with a letter of June 9, 1975. Copies of this draft had been previously mailed to the Board. These are attached to and form part of these minutes.

Mr. Woodward indicated the only major change in Letters Patent were in Paragraph 13. The Board could set a levy over the Basin which would be appropriate to fit the needs of a finance formula. There was provision for this levy to begin next year. The actual basin wide mill rate was left blank in this draft. However, the amount to be stipulated would be a maximum amount.

The Board reviewed each paragraph of the draft. It was indicated that the new draft was merely an amendment to the old Letters Patent which will still form part of the new Letters Patent.

The Board agreed that the reference to the Columbia-Shuswap should remain in the old Letters Patent.

In referring to Paragraph VII on page three, Mr. Woodward recalled that some Directors on the Board has expressed concern that this did not allow the Board adequate authority, however, he suggested as the Board evolved the Department would be prepared to expand this authority.

Mayor Laird felt the lack of authority would be one of the Board's greatest weaknesses.

The Chairman mentioned the Board had indicated it did not wish to increase its administrative machinery at this time. If Board Directors could be unanimous on present Letters Patent, Regional Districts would agree. He indicated the Board should avoid attempting to make a super authority immediately. Mayor Laird agreed with this view; however, the Board would be embarking upon a basin wide levy. How would this be dispersed; and how would the Board be able to control development along water.

The Chairman indicated that the Board would have to rely on the trust and coordination between Regional Districts which have created the Board. Decisions made by the Board would have to be supported by Regional Districts.

Mr. Woodward indicated the Okanagan Basin Study had proposed that there be one Regional District over the Basin. This suggestion was not accepted, therefore, a compromise had to be reached. The Water Board would be in a difficult position if it had to assume powers over the Regional Districts.

Mayor Laird indicated there are developments along the lakeshore, within Regional Districts, but there is no authority to accomplish regulation. He agreed that if the Regional Districts could cooperate this would be the best approach.

Mr. Stuart indicated the major short-coming within Regional Districts is that they could only comment on developments. Developments are approved by the Highways Department. Regional Districts do not possess excessive authority. Communication between the three valley Regional Districts is good. This is the quickest way the Board could get onto matters of implementation when the agreement is signed.

The Chairman indicated, when the Federal and Provincial Governments sign the Canada - British Columbia - Okanagan Implementation Agreement, the Board would be in a position to communicate with senior governments. This would give the Board the opportunity to apply itself. After the five year term of the agreement it may be found that the Board may require more authority.

The Board agreed to accept sub paragraph VII as presented.

The Chairman asked if there was a clear understanding regarding the one mill, referred to in paragraph 13, that would be raised on a valley wide basis. The one mill would be a maximum levy that could be placed over the basin.

Mr. Oxley questioned whether the recommendations of the Provincial Assessment Authority would have a bearing upon the one mill levy since it was anticipated properties would be assessed at 100% of value. The Chairman indicated that the one mill figure indicated in the Letters Patent was a maximum, and the amount to be levied could be less. The Government is presently reassessing their position relative to the Assessment Authority.

The Board may not be levying up to the maximum amount of one mill until it can be determined how much must be raised.

The Chairman asked the Board whether a one mill maximum levy over the whole basin was acceptable to the Board. The Board agreed with a one mill levy and would pass a resolution to this effect during the afternoon meeting in open session.

The Chairman indicated paragraph 14 of the draft referred to a Liaison Committee. This was mainly to accommodate Irrigation Districts and other agencies which would not have elected representatives on the Board. This Committee would act at the request of the Board. The Chairman asked the Board whether they were satisfied with the Letters Patent as presented by Mr. Woodward.

Postill - Stuart

That the amended Letters Patent, as presented in draft form by Mr. Woodward, be acceptable to the Board.

CARRIED

MINUTES OF A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN  
BASIN WATER BOARD AND MR. C.H.L. WOODWARD, JULY 3, 1975.

5.

Finance  
Committee  
Re: Basin  
Wide Cost  
Sharing:

The Chairman indicated the Committee of Administrators, established to determine an equitable cost sharing formula for the basin, has met. A copy of several alternatives had been drafted and mailed to the Board.

The Secretary-Manager reviewed the alternatives with the Board. A copy of alternatives is attached to and forms part of the meeting records.

The Chairman indicated that the impact of the formulas would have to be assessed over the basin. Once the cost impact of each formula is considered, the Board could send a recommendation to each Regional District.

Mr. Woodward indicated that a decision should be made as to how funds would be raised in the first instance. The formulas merely indicate how the money would be distributed once it is raised. He suggested the formula should suggest how the levy would be placed. Un-serviced land and farm land should likely not be levied the same amount. There could be some opposition if the same amounts were levied over all types of land within the basin.

Mr. Colclough indicated that if alternative No. 3 was adopted all waste treatment costs would apply to local communities only. Administrative costs would be borne by the whole basin. The problem that Mr. Woodward had suggested would not arise.

Mr. Stuart felt water quality problems would have to be worked out on a Valley wide basis to save the lakes. Everyone in the basin derives some direct benefit from preserving the lake system. It was felt that a one mill maximum levy would not be difficult to raise throughout the basin. Everyone within the basin could participate to a maximum of one mill. Areas installing sewage works would pay the initial three mills of capital cost plus all operating costs. Everyone within the basin has some responsibility. This philosophy must be stressed. By cost-sharing, areas with high costs could also be serviced.

In preserving the lake system, the Chairman indicated that all bodies of water in the basin must be protected not only Okanagan Lake. The total impact on the total basin must be kept in mind.

Mr. Colclough indicated he was not against a one mill levy. However, there would be problems in the distribution of funds raised. The Chairman suggested the Finance Committee reconvene and apply each of the suggested alternative cost-sharing formulas to the communities considered.

Mr. Duke entered at 11:55 a.m.

Before a particular formula would be recommended a cost impact analysis would have to be done. The Secretary-Manager indicated there would be some difficulty in completing such a calculation since cost figures were not available from all communities where waste treatment would be a priority. Some accounting assistance would be required in running through all calculations for all municipalities.

The Chairman suggested that the impact of each formula be calculated and then the Board would meet with Administrators once this has been done. A special meeting could be held in August. The Municipal Offices could assist in calculating their own costs, and the impact on valley wide costs. Copies of the analysis could be distributed to the Board prior to meeting in August.

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MINUTES OF A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN  
BASIN WATER BOARD AND MR. C.H.L. WOODWARD, JULY 3, 1975.

Letter -  
City of  
Kelowna  
Re: Use  
of  
Aquatic  
Herbi-  
cides:

A letter of June 11, 1975 from the City of Kelowna was read. The letter indicated that it was brought to the attention of the City of Kelowna Committee for Environment Protection that as a part of a weed killing program an extremely toxic chemical was released into the Okanagan Lake at a point close to a water intake of the City. The City expressed concern and would appreciate an explanation from the Board.

The Secretary-Manager explained the precautions that were taken in introducing herbicides to control aquatic weeds within the confined area of the Kelowna Boat Basin. Any water intakes in the area were checked long before the program was undertaken. The only intake was an abandoned intake in the area and there was no possibility of it being inadvertently opened. This had been confirmed with the City of Kelowna Engineering Department. The herbicides used were approved for use in Canada and have been used in large amounts in local orchards. The herbicides selected have a very short period of duration within the water. Fish kept in cages within the Basin were not harmed. The Secretary-Manager indicated that he has much information on the herbicides used and that if further information was required he could relieve any apprehension that had been raised over the use of herbicides. Mr. Day indicated that only some members of the City Council had wished further information. He indicated the Engineering Department had been notified. A letter from the Board to the City at this time would be sufficient.

Day - Thwaite

That a letter be forwarded to the City of Kelowna with information explaining the use of aquatic herbicides and the controls which were established, and that the Secretary-Manager meet with the City's Environmental Committee if necessary.

CARRIED

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The Meeting adjourned at 12:15 p.m.

C A N A D A  
PROVINCE OF BRITISH COLUMBIA

ELIZABETH the SECOND, by the Grace of God, of the United Kingdom,  
Canada and Her Other Realms and Territories, Queen,  
Head of the Commonwealth, Defender of the Faith.

To all to whom these presents shall come -

GREETING.	(WHEREAS pursuant to the provisions of
	(
	(section 138 of the Municipalities
	(
	(Enabling and Validating Act, the
	(
	(Lieutenant-Governor in Council may,
Minister of	(
Municipal Affairs	(upon the recommendation of the Minister,
issue supplementary Letters Patent to the Regional Districts of	
Okanagan-Similkameen, Central Okanagan, North Okanagan and Columbia-	



Shuswap, or any of them, providing that such regional district is empowered to participate with any other regional district in the establishment and operation of a Board to be known as the "Okanagan Basin Water Board", and the provisions of subsection (4) of section 766 of the Municipal Act do not apply to supplementary Letters Patent issued pursuant thereto:

AND WHEREAS by supplementary Letters Patent dated the 22nd day of October, 1969, the Regional District of Okanagan-Similkameen was empowered to participate in the Okanagan Basin Water Board:

AND WHEREAS the Regional Districts of North Okanagan and Central Okanagan were also so empowered and the Okanagan Basin Water Board formed:

NOW KNOW YE THAT by these Presents We do order and proclaim that on, from and after the date hereof Division VIII - (Okanagan Basin Water Board) of the Letters Patent of the Regional District of Okanagan-Similkameen, be amended as follows:-

1. By adding after sub-paragraph (v) of paragraph 3 the following:-

"(vi) The Water Board shall be the regional authority referred to in Recommendation 1(b) of the Comprehensive Framework Plan attached to and forming part of the Canada-British Columbia Okanagan Basin Implementation Agreement and the Water Board shall act as the co-ordinating agency in the implementation of any of the recommendations of the Comprehensive Framework Plan of the Okanagan Basin Study involving the regional authority.

(vii) The Water Board may advise any municipality or regional district and any Provincial Department or Agency that any proposed action, action, regulation or by-law is contrary to the recommendations of the Comprehensive Framework Plan of the Okanagan Basin Study or any recommendation of the Water Board made pursuant to sub-paragraph (iv)".

2. By amending paragraph 4 by adding at the beginning the words "Subject to paragraph 13".
3. By amending paragraph 6 by adding at the beginning the words "Subject to paragraph 13".
4. By adding the following as paragraphs 13 and 14:

"13. In addition to all other powers the Water Board, commencing in the year 1976, may require that all participating regional districts except in respect of those municipalities, electoral areas, or parts thereof lying outside the Okanagan Basin hereinafter described as -

(insert legal description of Basin)

shall contribute to the costs of constructing or up-grading sewage treatment facilities in accordance with a formula to be determined by the Board and approved by the Inspector of Municipalities; but the total contribution required from any participating regional district under this paragraph shall not exceed the product of (        mills) on the assessed values referred to in paragraph 4.

14. The Water Board shall establish a Liaison Committee consisting of persons appointed by such

municipalities, regional districts, improvement districts and Government agencies as the Water Board may determine, and the Liaison Committee shall advise on such matters as may from time to time be referred to it by the Water Board."

AND THAT the Letters Patent of the Regional District of Okanagan-Similkameen be deemed to be amended accordingly:

In testimony whereof, We have caused these Our Letters to be made Patent and the Great Seal of Our said Province to be hereunto affixed.

Colonel,  
WITNESS,/the Honourable Walter S. Owen, Q.C., LL.D., Lieutenant-Governor of Our said Province of British Columbia, in Our City of Victoria, in Our said Province, this  
day of , in the year of our Lord one thousand nine hundred and seventy-five, and in the twenty-fourth year of Our Reign.

By Command.

Provincial Secretary.

MINUTES FROM A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975 1:50 P.M. CITY HALL, VERNON, BRITISH COLUMBIA.

Present: S.A. Fleming Chairman R.D.N.O.  
R.W. Postill R.D.N.O.  
T.W. Oxley R.D.N.O.  
J.H. Stuart R.D.C.O.  
H. Thwaite R.D.C.O.  
C.B. Day R.D.C.O.  
F.W. Laird R.D.O.S.  
J.B. Shaw R.D.O.S.  
F. Colclough R.D.O.S.  
W. Parchomchuk Secretary-Manager

Also in attendance:

F. Oakes Alderman, City of Penticton  
C. Small Westbank Irrigation District  
J. Walker Westbank Irrigation District  
S. Saunders Westbank Irrigation District  
G. Loverin Westbank Irrigation District

Minutes: Day - Postill

That the minutes from the meetings of May 8th and May 28th, 1975 be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding to July 3rd, 1975 totalling \$766.60.

Thwaite - Colclough

That the accounts outstanding totalling \$766.60 be paid.

CARRIED

Correspondence:

The following items of correspondence were read:

Finance Committee: 1. Financial Committee - Regional District of Central Okanagan  
- Regional District of Okanagan-Similkameen

Separate letters were received from the Regional District of Central Okanagan and the Regional District of Okanagan-Similkameen appointing Administrators of each of the two Districts to a Finance Committee to resolve an equitable basin wide financial arrangement for implementation of the Okanagan Basin Study.

The Secretary-Manager noted that the Administrator of the Regional District of North Okanagan had also been appointed to this Committee.

B.E. Marr Alum Treatment Wood Lake: 2. Letter of May 28th, 1975 from Mr. B.E. Marr, Associate Deputy Minister, Water Resources Service. The letter indicated the experiments being conducted on alum treatment of Wood Lake would be delayed until at least next spring because of a current algae bloom in Wood Lake. Initial tests have indicated that removal of phosphorous from algae laden water will require approximately five times the dosage required when algae are absent.

The Chairman indicated to receive and file this correspondence.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

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B.E. Marr  
Osoyoos  
Lake Level  
referral  
to I.J.C.

3. Letter of May 29th, 1975 from Mr. B.E. Marr, Associate Deputy Minister, Water Resources Service, in reply to the Water Board letter of May 14th, 1975 regarding progress of the reference to the International Joint Commission on a study of Osoyoos Lake regulation.

The letter indicated that the Department of External Affairs has advised that proposed terms of reference prepared jointly by the Federal and Provincial Governments were referred to the United States Department of State in December of 1974. Discussions are continuing between Canada and the United States. The Chairman indicated to receive and file this letter.

B.E. Marr  
Kal Lake  
Outlet  
Structure:

4. A copy of a June 3rd letter from Mr. B.E. Marr to Messrs L.E. Edgeworth and J.S. Tener of the Implementation Task Force was read to the Board. The letter concerned the outlet structure at Wood Lake. Mr. Marr indicated that the Chairman of the Water Board had made the proposal that the recommendation of the Kal-Wood Lake Study, with respect to replacement of the existing outlet works at Kalamalka Lake with a new structure, be included as an addition to the Okanagan Study Implementation Program.

The Chairman pointed out that such a structure could be classified as part of the main flood control system, which at present includes Okanagan and Skaha Lake dams and the improved Okanagan River channel through Osoyoos Lake.

The letter indicated that in the opinion of Mr. Marr the Province would give favorable consideration to the proposal. The Chairman suggested that this letter be acknowledged and that the Secretary-Manager follow up the implications of this correspondence.

Colclough - Stuart

That the correspondence from Mr. B.E. Marr, concerning the Kalamalka-Wood Lake structure be pursued and a letter be forwarded to Mr. B.E. Marr.

CARRIED

City of  
Kelowna  
Shoreline  
Projects:

5. Letter of June 2nd, 1975 from the City of Kelowna concerning Okanagan Lake shoreline projects.

The City of Kelowna's Committee for Environmental Protection had discussed the contents of a letter addressed to Mayor Treadgold from Mr. E.D. Anthony of the Water Resources Service. A copy was enclosed. The Committee wished the Board to consider a letter of endorsement from the Board in the event that the City of Kelowna were to apply for help from the Provincial Government, on shoreline redesign plans, as suggested in Mr. Anthony's letter.

The Chairman indicated the City of Kelowna wished to have support in their application for shoreline redesign projects and silt stabilization.

Stuart - Postill

That the Okanagan Basin Water Board endorse the City of Kelowna's application for assistance on shoreline projects.

CARRIED

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

3

Mr. Stuart explained that the local shoreline topography in some areas on the Kelowna waterfront lends itself to dredging and improvement of upland. The Provincial Government has more expertise in this respect. The silt buildup on Okanagan Lake, near the Kelowna Bridge, affects city beaches.

City of  
Kelowna  
Streambank  
Stabilization:

6. Letter of June 9th from the City of Kelowna. The City requests the Okanagan Basin Water Board to study stabilization of various creek banks and to conduct an investigation of other silt sources

The Chairman agreed in principle that such studies should be undertaken. He asked the Secretary-Manager to explain what has been done in this regard already. The Secretary-Manager indicated that reconnaissance studies have been conducted under the supervision of the Water Board on Vernon Creek, Coldstream Creek, and on Mill Creek to study the effects of silt loading. A willow planting program was undertaken this spring as well.

Oxley - Thwaite

That the City of Kelowna be advised what studies have already been initiated insofar as stream siltation is concerned.

CARRIED

Mayor Laird indicated that the municipalities also have some responsibility insofar as stream stabilization is concerned. The Chairman indicated that it was very difficult for local government to undertake any improvement outside municipal boundaries. The Provincial Government should have responsibility outside municipal boundaries.

R.D.N.O.  
Re: Sanitary and  
Storm  
Sewerage:

7. Letter of May 20th, 1975 from the Regional District of North Okanagan. The letter indicated that at a regular meeting of the Regional Board the installation of sanitary and storm sewerage, within builtup areas and new subdivisions within the region, was discussed. It is the objective of the Regional Board to further study this matter and obtain the function of sanitary and storm sewerage to alleviate further sanitary and drainage problems within electoral areas.

The Chairman indicated to receive and file the above letter.

South  
Okanagan  
Health  
Unit  
Re: Septic  
Tank  
Fields:

8. Letter of June 6th, 1975 from the South Okanagan Health Unit. The Health Unit indicated that with such reports as the Okanagan Basin Study and the Kal-Wood Lake report recommending against any increased development adjacent to water bodies, the Health Unit has been endeavoring to impose some interim restrictions and, in fact, have gone well beyond the minimum 100 foot setback for new subdivisions in the City of Kelowna and also in other areas. However; there is a limit as to the extent to which the Health Unit could go without some expressed policy from the Okanagan Basin Water Board requesting full implementation of such reports, or expression of some guidelines on which to base decisions. The Board should decide one way or the other on the matter of declaring policies on permitting sewage disposal in certain areas. The Health Unit would request that a decision be made in this regard at the earliest possible date so that appropriate action could be taken in refusing or approving sewage disposal permits for new construction which at this point is being hard pressed by developers.

Mr. Oxley indicated that it has not yet been varified how far from a water course a septic tank should be. The Water Board should ascertain the number of feet of setback required.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

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The Secretary-Manager explained that the Okanagan Basin Study Implementation Agreement provides for a committee consisting of the Department of Health, The Water Resources Service and local government, on a consultative basis only, to revise policies for the disposal of septic tank effluent.

Mr. Day suggested that the minimum setback for septic tank fields be increased to 200 feet. Mr. Stuart was concerned that a government agency should ask the Water Board to set a standard then have the technical experts and the approving authority change this. The technical information should come from the Health Units. The Highways Department is the final approving agency.

The Chairman did not feel that arbitrarily setting a 200 foot minimum would resolve the problem. 200 feet may not be enough in some areas whereas in other areas it may be adequate. The Provincial Government would have to satisfy their own administrative procedure in this regard. Mr. Oxley indicated that this was a problem for the Health Unit. The Health Unit has the existing law for control of septic tanks; however, this has proven to be inadequate. There should be an amendment to the Health Act for a further setback of septic tank fields.

Mr. Day indicated that a larger setback would only be a temporary measure until an adequate policy could be resolved. Technical information should be provided. Mr. Colclough indicated that to change the setback from 100 feet to 200 feet would require a change of local by-laws. This problem should be placed with the Health Department.

Mr. Stuart indicated that the Health Unit could ask that proper geological studies of soils be done before approval of septic tanks is given. The proper testing is under the jurisdiction of the Health Department. The Health Department presently has the machinery to set the regulations required to protect water quality.

The Chairman asked to be dismissed briefly for a call.

Vice-Chairman Colclough assumed the chair at 2:35 p.m.

Day - Oxley

That the Okanagan Basin Water Board request the Health Unit to carry on studies to come up with documented standards for the disposals of septic tank effluent and the Water Board would offer support to such standards.

CARRIED

Mr. Colclough suggested the Board meet with the Health Units.

Mayor Fleming assumed the chair again at 2:40 p.m.

The Chairman agreed to hold a meeting with the two Okanagan Health Units. He indicated that it was difficult for the entire Board to get together during the summer months, however, the Secretary-Manager and the Chairman could meet with the Health Units prior to the next regular Board meeting.

Mayor Laird suggested that the Planners attend this meeting as well.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

City of  
Penticton  
Septic  
Tank Units  
on Indian  
Lands:

9. Letter of June 25th, 1975 from the City of Penticton. The letter advised that the City of Penticton is deeply concerned about a sewage problem that could arise with the proposed development of 107 mobile home spaces to be located adjacent to the west side of the Okanagan River channel on very low lying land on the Penticton Indian Reserve. Concern lies in the fact that Provincial health standards are apparently not applicable nor can they be enforced on Indian Lands. It is not known who is authorized to enforce regulations on Indian Lands.

The City Council seeks written support of the Water Board in this matter, and will be writing a letter to the Department of Indian Affairs requesting that Provincial health standards are applied and enforced for this proposed mobile home development; and for other Indian Land leases for other uses.

Mayor Laird indicated that the City of Penticton was concerned even last year regarding developments on adjacent Indian Lands. There could be seepage from septic tanks to the River. The City has approached the Federal Department of Indian Affairs and have also contacted local health units. The City wishes a supporting letter from the Water Board. It was not possible for the local health officer to enforce regulations on Indian Lands.

Laird - Thwaite

That the Water Board support the City of Penticton's concern relative to the development of septic tank units on Indian Land adjacent to the City of Penticton, and that information concerning this type of development on Indian Land be exchanged between the Regional District of North Okanagan and the City of Penticton.

CARRIED

Mr. Postill indicated that the Indian people wished to break away from the Federal Department of Indian Affairs. It may be advisable to meet with the Chiefs of the Indian Bands. The Chairman suggested that a suitable time be arranged to meet with the Indian Bands to see what action could be taken to protect the mutual environment.

Thwaite - Laird

That the meeting be arranged with the Indian Bands to resolve problems of mutual concern to the Bands and to the Water Board.

CARRIED

Township  
of Spallum-  
cheen  
Re: Monitoring  
Results  
PE-75 and  
PE-310:

10. Letter of June 18th, 1975 from the Township of Spallumcheen. The letter expressed concern over the monitoring results from Permit Numbers PE-75, City of Armstrong; and PE-310, Dutch Dairies of Armstrong, B.C. The monitoring results provided by the Pollution Control Branch clearly showed that neither of the permit holders have been able to comply with the conditions laid down in the permits.

The Municipal Council wished to ask if the Pollution Control Branch anticipates steps to bring the permit holders into line and if so what these steps would be. The Council is most interested in knowing if the Branch intends to prosecute under the authority contained in the Pollution Control Act.

The Secretary-Manager recommended that since there appears to be non-compliance of two pollution control permits the matter should be explored further.



MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

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Thwaite - Oxley

That the Board persue with the Pollution Control Branch whether or not measures will be taken with respect to Pollution Control Permits; PE-75, and PE-310 to ensure compliance with pollution control regulations.

CARRIED

Mayor Laird left the meeting.

Limnos  
Ltd.  
Rental of  
Aquatic  
Weed  
Harvester:

11. Letter of June 23rd, 1975 from Limnos Ltd., Research Consultants, Toronto, Ontario. The letter inquired whether the Board wished to rent aquatic weed harvesting equipment to the Company again this year.

The Secretary-Manager explained that the harvesting equipment had been rented to Limnos Ltd. during 1974. He indicated this would be a good source of revenue for any additional aquatic weed research that may be required.

Oxley - Colclough

That aquatic weed harvesting equipment be rented to Limnos Ltd. after harvesting is completed in the Okanagan this season.

CARRIED

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Applications for Pollution Control Permits:

R.D.N.O.  
Procedure  
Applications  
for Pollution  
Control  
Permits:

1. A letter of June 3rd, 1975 from the Regional District of North Okanagan advised that the Regional Board has adopted the Water Board's recommended procedure that the Technical Planning Committee of each Regional Board review each Pollution Control Application and make recommendation to the Regional Board, after which time the Water Board would review applications submitted to them.

W. Paul  
Stewart  
Application  
Peachland:

2. A letter of May 27th, 1975 from J.O. Finnie, Pollution Control Branch was read. The letter was relative to the application for a Pollution Control Permit on behalf of W. Paul Stewart, Peachland, B.C., based on the location of the subject operation and the nature of the receiving environment and the estimated capacity of the disposal system. It was the intention of the Pollution Control Board that an amendment to PE-1629 be issued allowing a maximum weekly discharge of 21,000 imperial gallons. The present permit allows an average daily discharge of 2,300 imperial gallons. As such an amendment effects only a minimal change in the allowable rate of discharge, the Pollution Control Branch felt this would be acceptable. Further comments could be submitted on this matter by June 16th, 1975.

Thwaite - Day

That any additional comments required for the W. Paul Stewart application be submitted.

CARRIED

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 3rd, 1975.

H.E. Weibe  
Application  
Kelowna:

3. Letter of May 26th, 1975 from J. Lashkevich, Pollution Control Branch informing that the application for a Pollution Control Permit by Henry Edward Weibe of Longville Rd., Kelowna has been adjudicated and the Director of Pollution Control has refused to issue a permit to the applicant.

Stuart - Day

That the above letter be received and filed.

CARRIED

Other Business

Meeting  
Arrange-  
ments  
Kelowna  
City  
Council:

The Secretary-Manager indicated that by letter of May 23rd the City Council, City of Kelowna, wished to meet with the Chairman of the Okanagan Basin Water Board to discuss cost information concerning the Kelowna sewage effluent waste treatment proposals. The Chairman suggested that he and the Secretary-Manager both meet with the Council. A suitable date would be arranged.

Drafted  
Letters  
Patent:

The Chairman indicated that at the morning meeting with Mr. Woodward the drafted Letters Patent, as amended, were ratified. A motion would now be in order to make a formal request to the government to officially issue the Supplementary Letters Patent.

Day - Shaw

That the Okanagan Basin Water Board accept the Letters Patent as redrafted and make representation to the Lieutenant Governor in Council to issue Supplementary Letters Patent based upon the latest draft.

CARRIED

One Mill  
Maximum  
Levy:

The Chairman indicated that the Board had also decided, during the morning meeting, that a maximum of one mill could be levied on a basin wide basis for Okanagan Basin Study Implementation.

Day - Thwaite

That the portion of Letters Patent dealing with a Valleywide levy be accepted and that the total contribution from any participating Regional District not exceed the product of one mill.

CARRIED

Each Regional District would now have to apply for the issue of Supplementary Letters Patent.

Mayor Thwaite moved that the meeting be adjourned.

The meeting adjourned at 3:10 p.m.

MINUTES FROM A MEETING OF THE COMMITTEE OF THE WHOLE OF THE OKANAGAN BASIN  
WATER BOARD. AUGUST 12th, 1975 10:00 A.M. OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 Groves Avenue, Kelowna, B. C.

1.

Present: S. Fleming Chairman R.D.N.O.  
R. Postill R.D.N.O.  
T. W. Oxley R.D.N.O.  
J. H. Stuart R.D.C.O.  
H. Thwaite R.D.C.O.  
C. B. Day R.D.C.O.  
F. W. Laird R.D.O.S.  
J. B. Shaw R.D.O.S.  
K. Boothe Alternate R.D.O.S.  
W. Parchomchuk Secretary-Manager

Also in attendance:

P. Mackiewicz, Administrator R.D.N.O.  
J. Rheame, Administrator R.D.O.S.  
A. Harrison, Administrator R.D.C.O.  
S. Buckler, Peachland

The Chairman explained the purpose of the meeting would be to review the impact of four Basin-wide cost sharing alternatives and to discuss an aquatic weed search and control program. He asked the Secretary-Manager to review the Basin-wide cost sharing analysis, which has now been completed on the four alternatives suggested by the Finance Committee during a meeting of June 10th, 1975. Analysis of the four alternatives are attached to and form part of these minutes.

Finance ALTERNATIVE NO. 1  
Formula:

This alternative suggests that the home community or benefiting community pay the first three mills of annual capital debt towards sewage treatment projects, the Province would then assume 75% of the cost beyond three mills and the Basin would assume the remaining 25% after the initial three mills. Basin-wide sharing would be limited to funds which could be raised by a one mill levy annually over the basin. Once these local funds have expired the home or benefiting community would then be responsible for assuming the remaining share following the 75% Provincial assistance.

On the basis of this formula cost figures were prepared for the eleven communities having priority consideration for waste treatment facilities. These communities include Armstrong, Vernon, Okanagan Landing, Coldstream, Winfield, Kelowna, Westbank, Penticton, Okanagan Falls, Oliver, Osoyoos. Using engineering studies and other cost estimates for each of these communities and considering present debt as well the C.M.H.C. Loan factor and the impact of Bill 88 a Basin-wide mill rate that would be required to assist each community under this formula was calculated. Sharing that would be required for each community on a basin wide basis up to a maximum of one mill was indicated. Costs presented indicated capital costs only.

Mr. Stuart indicated the figures presented represented the highest possible cost figures for basin-wide sharing. There is anticipation that many of the costs for capital structures would be shared to a great extent by senior levels of government. Valley wide assessments may grow in the future to bring on additional revenues. The mill rate could also be increased. There were good indications that total capital costs to the communities as indicated for calculation purposes may be lower when all forms of government grants are considered.

The Secretary-Manager mentioned the provisions of the new C.M.H.C. regulations would help to lower some of the costs indicated in the formula. Government grants may also lower these costs.

The Chairman indicated also that the Board must insist that the tertiary costs of sewage treatment be assumed by senior levels of government. These costs should be retroactive. This would help to reduce costs that were indicated in the formula. The Secretary-Manager indicated the formula does have some retroactive provisions in that existing debt of communities is included in cost sharing.

Mr. Rheume asked concerning the implementation of sewage works in areas, such as Summerland and Peachland. When these areas initiate sewer projects it may be necessary to increase the mill rate to provide for cost sharing beyond Provincial sharing under this formula. The Chairman indicated that communities such as Peachland and Summerland would be considered in the second phase of implementation, however, if senior governments provide for tertiary treatment costs it may still be possible to stay well under one mill by this formula if the senior governments pay for the tertiary portion of costs. The Secretary-Manager, upon referring to Mr. Rheume's concern, indicated he agreed that possibly in five to six years; provided there is no outside sharing and that costs as indicated on the work sheet plus those new costs which will be incurred for implementation in other communities at a later date are to be absorbed, it may be necessary to increase the mill rate, say to 1.5 mills, over the entire Basin for capital debt charges.

Mr. Booth asked whether the works necessary to clean up the lakes were a decision of the Water Board or was it a decision forced on the Board by senior governments. The Chairman indicated it was a decision largely made because local communities wanted to clean up the system; however, this was recommended by the Federal and Provincial Governments which do have some responsibility in this respect. Other operations such as logging erosion, agricultural erosion, feedlots and septic tanks also contribute to the nutrient load. These are responsibilities of the Provincial Government. It is important to maintain the concept of protection of the entire Basin not just one lake. What occurs on the streams in the system is also very important to the total Basin. The weed problem is now the most obvious.

#### ALTERNATIVE NO. 2

The Secretary-Manager indicated that this formula suggests that all existing and projected total net annual capital debt for the entire Basin be assumed equally by the entire Basin. The Basin would share capital debt after Government Grants through C.M.H.C. and Bill 88 sharing, have been deducted. The balance to be shared on Basin-wide basis annually would be \$1,497,708. This would come to 2.699 mills over the entire basin. It was indicated the 2.699 mills exceeded the amount that could be raised under the letters patent. The Board may find it difficult to ask certain communities, which do not have sewer systems, to pay the same amount into the formula as those communities on sewer systems. Mr. Mackiewicz explained that it may be possible to modify this alternative so that a higher mill rate is paid by those areas which are on sewage systems than those areas which are not.

#### ALTERNATIVE NO. 3

This alternative specifies that each benefiting area would pay for its own complete sewage costs. Basin-wide sharing would only apply to costs which cannot be specifically allocated to certain areas. These costs would generally include administration, legislation and enforcement of legislation. The costs of this function was estimated to be approximately \$125,000, or less than one quarter of a mill for the entire Basin. It was indicated that the formula does not provide for sharing of sewer works, but does apply to Basin-wide cost sharing for administration and other functions which are more or less those functions which are presently assumed by the Board.

ALTERNATIVE NO. 4

This alternative would consider only new and anticipated capital debt. Existing debt would not be included in cost sharing. Basin-wide cost sharing under this proposal could start even before a community has three mills of debt. Government Grants, as provided under C.M.H.C. and the Provincial Bill 88, would be subtracted from total capital costs before Basin-wide sharing would occur. Basin-wide sharing would occur only on net new annual capital debt of sewage structures. This formula suggests that the Basin would assume a certain percentage of net new annual capital debt up to the limit of one mill over the entire Basin. Under existing costs the basin would be able to assume 48.7% of the priority communities net annual new sewerage debt.

A summary sheet was presented showing the mill rate that would be incurred by each community under each alternative. The variation in mill rates was shown. Some formulas tended to even out the mill rate to communities, others tended to cause some fluctuation.

Mr. Stuart indicated he would be opposed to Alternative No. 2 because of the relatively higher mill rate that would have to be assumed by areas which would be non-sewered. Although there would be a lower mill rate to sewer areas it would not seem to be equitable to charge unsewered areas the same rate. There appears to be general public acceptance of a one mill charge over the Basin for sewer systems. Alternative No. 3 would not provide for relief to some communities which would encounter high costs for sewage treatment. Alternative No. 1 indicates that it is possible for the Valley to come to the aid of those communities requiring additional funding for sewage treatment. Bill 88 provides for a large share of annual debt to be absorbed by the Provincial Government. Additional funding should be sought from the Federal Government.

The Chairman agreed there was a substantial portion of funding by the Province and some funding under the provisions of the C.M.H.C. regulations. The Board would have to decide which formula it would find the best to apply to the Basin on those costs that would have to be born by the Basin. The most equitable formula should be considered.

Mayor Thwaite asked which formula the Secretary-Manager thought would be the most equitable. The Secretary-Manager felt Formula 1 would be the most equitable.

Mr. Stuart indicated that in the first few years it may not be necessary to utilize all of the funds required under the formula since many of the capital works will not be started soon. The Chairman suggested the full one mill levy be made in the year 1976 and a self-generating reserve fund be set up so that as communities come on line with new sewage treatment works, funds would be available as recommended under the formula.

Mr. Rheume mentioned the notice of this meeting indicated that, "Basin-wide cost figures" were shown on separate sheets; while the analysis sheets indicated "Basin-wide sharing", was indicated. He felt concerned that costs beyond the five year period were not indicated. This would reflect in the mill rate in future years. The Secretary-Manager agreed that in future years as new projects come into line total costs and total cost sharing over the Basin may have to be increased. The Chairman indicated that the Board could only make its decisions on what information was available now and on the near term projections. At a future date it may be necessary to change the financing policy.

Mr. Stuart mentioned that the Board has already decided to start on the immediate ten or eleven priority areas as recommended in the Study. In the second phase, when a start is made on construction of works in other areas other than priority areas, the Board does not presently know what the costs will be. This is history still to come. But if the Board can demonstrate now that they have used this one mill wisely the Board could go to the taxpayer to ask for an increase several years from now if required. One mill in time

from now may not be enough. Later down the line the Board knows that more funding may be required on a Basin-wide basis. The present calculation gives the municipalities some idea of what will have to be budgeted for in the short term. Many other items that the Board has not even touched upon; for example, storm sewers, bank erosion, and so forth will require extra funding in the future. If the Board could agree this morning which way to go, negotiations with senior governments could be made easier. Senior Governments should be responsible for forest erosion, feedlots, and septic tank nutrient contribution within the watershed. Local municipalities, through sewage discharges, are only responsible for 50% of the nutrient additions.

Thwaite - Postill

That the Okanagan Basin Water Board recommend that the three Regional Districts accept Alternative No. 1 as a Basin-wide cost sharing formula.

CARRIED

UNANIMOUS

Aquatic  
Weeds:

Aquatic Weed Research & Control Program

Mr. Stuart indicated there has been great public concern expressed during the past few weeks regarding the rapid spread of aquatic weeds throughout the Okanagan system. He indicated that before any of the Basin-wide funds are required for sewage treatment projects, the capital works would have to be constructed. This could be several years away. In the meantime, perhaps some of the funds raised on a valley-wide basis could be directed towards aquatic weed control, particularly in the next few years. Aquatic weeds are presently the most identifiable problem on the water system. Enough data is now present to know what can be done. It is possible to make better implements for control. He indicated the Regional District of Central Okanagan had given support to this proposal. There appears to be no opposition to raising one mill over the basin to fight aquatic weeds. The Water Board should now take the initiative. The Provincial Government is also showing an interest. He indicated the Regional Board of the Regional District of Central Okanagan had agreed to turn over the balance of funds remaining in the Central Okanagan Regional District aquatic weed harvesting fund to the Water Board for engineering drawings and research purposes required to develop machinery to eradicate weed root systems. He encouraged the Board to raise the one mill levy over the Basin, as presently provided in the letters patent, and for the Board to use this on aquatic weed control before weeds spread further.

The Chairman agreed with Mr. Stuart's comments, and agreed that the one mill could be raised very soon. However, he suggested that help should be sought from the Province. The Province should accept one-third of the cost of weed eradication, the Federal Government one-third, and the Water Board the remaining one-third. If \$530,000 could be raised during the first year, and the Water Board paid one-third of the cost, a massive weed eradication program could be planned. Different methods such as rototilling, jetting, dredging and herbicides could be used.

Mayor Laird suggested top officials in both the Provincial Government and the Federal Government should be approached for assistance. The Secretary-Manager indicated during the past four year period there had been very close communication and assistance from the Environmental Studies Division of the Water Resources Service.

Mr. Postill suggested the Board authorize the Secretary-Manager to start his program on weed eradication as quickly as possible for the coming season. Mr. Stuart agreed the Board should give authority to proceed with a planned weed eradication program without outside funding, then the Board should also pursue outside funding as soon as possible but this should not delay the initiation of planning for a weed research and eradication program.

The Chairman suggested the Senior Governments be required to pay a share and they be advised that the local Board would pay one-third of the cost and if the Senior Governments still refused to move on the problem then the Board should proceed on its own.

Postill - Stuart

That the Secretary-Manager be authorized to proceed with a plan for aquatic weed eradication in the 1975-76 season.

CARRIED

It was suggested that a delegation be sent to meet with Senior Governments.

Mr. Stuart suggested that in view of the comments made by the Honourable D. Cocke, while he was in the interior, concerning the aquatic weed problem, he should be approached to stand by the statements he had made insofar as cleaning up the situation. The Chairman indicated that he would phone Mr. Cocke to initiate a meeting.

The Secretary-Manager indicated the eventual meeting for weed eradication would have to occur with the Minister of Lands, Forests, and Water Resources, the Honourable R.A. Williams. The Board agreed that such a meeting would be held and arranged through Mr. Cocke.

Thwaite - Postill

That the Okanagan Basin Water Board make a presentation to the Provincial Government for one-third cost sharing by the Board for an aquatic weed eradication program and that the Board approach the Honourable D. Cocke so that he could negotiate with the Ministers concerned within the Provincial Government and set up a meeting on the basis of statements which he had made in Kelowna concerning his efforts in the clean up of the aquatic weed problem.

CARRIED

The Chairman suggested that the Chairmen of the Regional District of North Okanagan, Central Okanagan, and Okanagan-Similkameen be present along with himself and the Secretary-Manager when meeting the appropriate Ministers in Victoria. The Board should indicate to the Ministers that the Water Board is prepared and ready to move and they wish Provincial participation.

The Board agreed a one mill levy should be made over the Basin as soon as possible to build up the reserve fund for Basin-wide waste treatment implementation. If necessary, it may be possible to direct some of the funds to aquatic weed control.

Stuart - Postill

That the one mill levy on a Basin-wide basis, as provided for under new letters patent, be levied over the Basin commencing in the year 1976 in accordance with Formula No. 1.

CARRIED

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The Secretary-Manager mentioned to the Board that the current aquatic weed research program, sponsored by the Province may be reduced in the Fall. In view of the great public concern that has been expressed for aquatic weed growth, this would be the most inopportune time to reduce this type of program.

He suggested a telegram be sent to Victoria expressing concern.

Stuart - Postill

That the Okanagan Basin Water Board forward a telegram to Mr. B.E. Marr of the Water Resources Service expressing the Okanagan Basin Water Board's concern for the biological program relating to aquatic weed control.

CARRIED

The Secretary-Manager mentioned the environmental studies division had contacted the Water Board office asking for drawings and cost information relating to equipment that would have to be designed and fabricated for aquatic weed control. This information should be provided as quickly as possible.

The Secretary-Manager also indicated the aquatic control program may require the hiring of a co-ordinator to oversee the various equipment fabrication, to co-ordinate with Government agencies, and to carry out field work. The Chairman agreed the Board should not deprive the Secretary-Manager of any of the tools and assistance required to do the job insofar as weed eradication. The Secretary-Manager indicated there was extremely good co-operation with the Environmental Studies Division of the Water Resources Service in all of the research programs that have been done so far. The Water Board and the Environmental Studies Division have co-operated fully in carrying out the research required both from a physical and cost viewpoint.

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The meeting adjourned at 12:20 p.m.



Analysis of Basin-Wide Sharing - Alternative No. 1 Okanagan Basin Study Implementation

	Arnsbrong	Vernon	Ok.Landing	Goldstream	Winfield	Kelowna	Westbank	Penticton	Ox.Falls	Cliver	Osoyoos	Total
Total Capital Cost	600,000	9,000,000	1,500,000	1,136,000	2,000,000	10,000,000	550,000	2,000,000	700,000	600,000	560,000	29,646,000
OPIC Forgiveness	100,000	1,500,000	125,000	31,000	166,667	1,666,667	91,667	233,333	79,150	100,000	98,175	4,191,000
IRB Loan Requirement	500,000	7,500,000	1,375,000	1,105,000	1,833,333	8,333,333	458,333	1,766,667	620,850	500,000	461,825	21,444,000
IRB on Amortisation (30 yrs. @10%)	57,102	856,530	157,030	126,195	209,373	951,700	52,343	201,760	70,904	57,102	52,742	2,790,000
IRB Existing Debt	30,000	82,000	-	-	-	354,886	4,500	180,273	-	39,995	20,600	711,000
Total Annual Debt	87,102	938,530	157,030	126,195	209,373	1,306,586	56,843	382,033	70,904	97,097	73,542	3,995,000
IRB on Public Works over 30 Hills	12,900	171,000	21,000	10,500	21,000	229,500	6,100	315,000	6,000	13,800	21,800	848,000
IRB on Works over 30 Hills	74,202	767,530	136,030	115,695	188,373	1,077,086	50,743	67,033	64,904	83,297	51,742	2,600,000
IRB on Share Capital on 30 Hills	55,651	575,647	102,023	86,771	141,280	807,815	38,057	50,275	48,673	62,473	38,657	2,000,000
IRB on Debt for 30 Hills	18,551	191,883	34,007	28,924	47,093	269,271	12,686	16,758	16,226	20,824	12,885	600,000
Total Rate on Debt (assume 5.5%, 200,000)	.033	.346	.061	.052	.085	.485	.023	.030	.029	.038	.023	1.000
Total IRB Bill of 2000	15,387	159,160	28,207	23,991	39,062	223,350	10,523	13,900	13,459	17,273	10,688	592,000 (100%)
IRB on Existing Debt	4,736	4,574	4,829	5,409	5,147	4,600	5,063	4,027	5,384	4,712	4,302	40,000 (40%)

Alternative No. 4 - Basin-Wide Cost-Sharing Impact

<u>Benefiting Area</u>	<u>Dollars Contributed by O.B.W.B.</u>	<u>Mill Rates</u>
Armstrong	10 050	0.10

Alternative No. 2 - Basin-Wide Cost-Sharing Impact

Total Basin Annual Debt after C.M.H.C. \$ 3,505,035

Less Provincial Government Sharing  
under Bill 88 \$ 2,007,327

Balance to be shared on Basin-wide Assess. \$ 1,497,708

Or 2.699 Mills

Comparative Mill Rates - Okanagan Basin Study Implementation

<u>Benefiting Area</u>	<u>Alternative No. 1</u>	<u>Alternative No. 2 *</u>	<u>Alternative No. 3</u>	<u>Alternative No. 4</u>
Armstrong	4.736	2.699	7.314	5.975
Vernon	4.574	2.699	6.366	4.532
Okanagan Landing	4.829	2.699	7.853	5.025
Coldstream	5.409	2.699	11.264	6.769
Winfield	5.147	2.699	9.728	5.982
Kelowna	4.600	2.699	6.520	5.203
Westbank	5.063	2.699	9.236	6.037
Penticton	4.027	2.699	3.160	3.346
Okanagan Falls	5.384	2.699	11.113	6.692
Oliver	4.772	2.699	7.527	6.368
Osoyoos	4.302	2.699	4.775	4.099
Non-Sewered Areas	1.000	2.699 *	- -	1.000

Note: "Above mill rates include 1 Mill basin-wide levy."

\* Exceeds 1 Mill limitation of Letters Patent

MINUTES OF A SPECIAL MEETING OF THE OKANAGAN BASIN WATER BOARD AND MADAME  
JEANNE SAUVÉ, MINISTER, ENVIRONMENT CANADA, AUGUST 26, 1975, 10:00 A.M.  
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE,  
KELOWNA, B. C.

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Present:

S. Fleming	Chairman	R.D.N.O.
R. Postill		R.D.N.O.
J. H. Stuart		R.D.C.O.
H. Thwaite		R.D.C.O.
C. B. Day		R.D.C.O.
L. Dooley		R.D.C.O.
F. W. Laird		R.D.O.S.
J. B. Shaw		R.D.O.S.
K. Boothe	Alternate	R.D.O.S.
W. Parchomchuk	Secretary-Manager	

Federal Government

Honourable Jeanne Sauvé, Minister, Environment Canada  
Senator R. Perrault, Pacific Region  
Dr. D. Munro, Director General, Liaison & Co-ordination, Dept. of Environment  
M. Wiggins, Chief, Water, Planning & Management, Pacific Region, Envir. Canada  
G. Ashwater, Assistant to Senator R. Perrault  
Susan Cornell, Special Assistant, Office of the Minister, Environment Canada

Also in Attendance

S. Buckler	Peachland
W. Treadgold	Mayor of Kelowna
J. Nalbach	City of Kelowna

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The Chairman indicated the meeting would be informal. He asked Mayor Laird to present an overview of the major items of the tour with Madame Sauvé in the south end of the Basin.

Mayor Laird indicated that the Water Board was concerned with the entire Okanagan Valley. Environmental controls and structures were required for the entire Basin, not just for individual regions. Disposal of wastes was a prime necessity. The Valley wished the co-operation of the Senior levels of Government to help solve joint problems within the Basin. For this reason he indicated the Board was grateful for the visit of Madame Sauvé. All areas throughout the Basin are working on the problem equally through the Okanagan Basin Water Board. The south area of the valley was pleased with the visit of Madame Sauvé and Mr. Perrault.

The Chairman asked Mr. Stuart to outline major considerations in the Central Okanagan Region.

Mr. Stuart indicated that the central part of the region felt strongly that implementation has to be done collectively in the Basin. In the central region one of the prime concerns is the problem of removing outfall discharges to the lake. The area is now looking at a method of ground disposal or spray irrigation as an alternative. The City of Kelowna will be applying for ARDA assistance for a spray irrigation program. Land would be required for spray irrigation. This land should be owned by the public.

The Chairman asked Mayor Postill to give an overview of the environmental problems encountered in the North Okanagan. Mr. Postill emphasized the need to keep water management and environmental control on a Basin-wide basis through the Okanagan Basin Water Board. He indicated that the Okanagan Landing area and the Coldstream area of the North Okanagan would tie into the Vernon comprehensive sewage system.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD AND MADAME JEANNE SAUVÉ  
AUGUST 26, 1975 10:00 A.M.

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The Chairman indicated that the Board has passed a resolution to remove all waste outfalls from the Okanagan system. The entire Basin would be a concern and not just Okanagan Lake. Municipal effluent currently only amounts to approximately 50% of the nutrient load into the system. Local municipalities will be required to implement tertiary treatment at least. Agriculture and Forestry are equally important contributors. Practices in these areas would have to be reviewed. The Valley is looking towards the combined effort of all levels of government. This could be achieved when the Canada-British Columbia Implementation Agreement is signed. The Okanagan could be the site of a large demonstration project involving all levels of government in all aspects of environmental management including sewage disposal, forestry and agriculture. The Water Board has already agreed to apply a one mill levy over the entire Basin commencing in the year 1976 to raise approximately \$530,000 per year to be used in the Basin on sewage treatment projects where funding is most required.

The Chairman indicated the local community was prepared to act, but could not proceed alone. We are trying to protect a national resource. If implementation by all three levels of government communicating together could work in the Basin, the principle could be applied throughout Canada. There is an opportunity for a test area in the Basin which could be an example for the nation.

Dr. Munro asked whether the one mill levy over the Basin was agreed to by all municipalities. The Chairman indicated the municipalities have agreed to the one mill levy and there is provision within the letters patent of the Okanagan Basin Water Board to raise up to one mill.

Madame Sauvé indicated she was impressed with the Valley's decision to raise one mill on a Basin-wide basis, but asked how this one mill would be distributed back to communities. The Secretary-Manager indicated that a formula had been developed whereby funds raised on a Basin-wide basis could be equitably distributed to those communities requiring sewage treatment of a priority nature.

The Chairman indicated the formula would apply to all priority areas and funds will be moved to where needed most urgently.

Madame Sauvé asked concerning the \$30,000,000 cost for implementation of sewage works within the Basin. The Chairman explained that the \$30,000,000 figure was the total cost of all the works if constructed this year. However, construction is likely to take place over a five-year period during which time an inflation factor would also have to be considered. The inflation factor would boost total cost of implementing sewage works to \$45,000,000.

Mr. Day indicated that smaller communities, because of their low tax base, would not be able to implement works. However, under a formula devised by the Water Board, smaller municipalities could be helped so that it may be possible for them to provide the level of waste treatment required. Madame Sauvé asked whether the Province provided assistance according to the rate a municipality could pay. Mr. Day indicated that the Province provided assistance under Bill 88.

The Secretary-Manager indicated that many of the smaller rural municipalities would have a very high mill rate if they were to initiate capital costs of sewage treatment works alone. Even with the present programs of Senior Government sharing, some of the smaller municipalities would have an excessively high mill rate for capital works alone. Operating costs would be additional.

The Chairman indicated that many smaller communities that presently do not have systems would have to start out from scratch.

Madame Sauvé enquired whether requirements of pipe diameters under the Central Mortgage and Housing Corporation had been larger than local municipalities have anticipated, and was this size requirement often too great. This has been a problem with some smaller communities in the East. Mr. Stuart indicated that larger diameters are often placed to accommodate population increases. There has not been a problem to date with CMHC requiring larger pipes than necessary.

Mr. Thwaite indicated that it has not been easy for the Okanagan community to advance to Basin-wide cost sharing. There have been many political problems along the way. The Valley is now together on their thinking, and would like assistance of senior governments to preserve the way of life.

Mayor Shaw felt there had been some undue delay in implementing the study. The local economy is based on the tourist industry and there is concern the weed problem will create difficulties. Something would have to be done quickly.

Mr. Stuart indicated there were two problems. The weed problem is present and could not cure itself. Something must be done to bring it under control. The solution of the outfall problem could help to accomplish weed control over the long-term. Both the outfall and weed problem must be dealt with simultaneously. This rapid infestation of aquatic weeds is a unique situation.

Mayor Laird asked whether staff of Environment Canada could be used for research on aquatic weeds.

Madame Sauvé indicated the problems as identified to her were as follows:

- (1) Waste treatment,
- (2) Agriculture and Forestry practices,
- (3) The aquatic weed control problem, and
- (4) Problems of land acquisition.

She indicated that many of these items encompass many different jurisdictions of government. She would like to pursue what the local needs are. Several of these needs have been mentioned. She asked what the area would need for research. She indicated the Government would have to decide whether this is a unique situation. Will it qualify for a pilot program? Could the Federal Government be involved? It was striking that there was already a local administrative structure to approach the problem. The Valley can be considered as one region.

Dr. Munro indicated there were two general points to consider. The requirements that have been outlined indicate the need for input of a number of specialists with knowledge in Forestry, Agriculture and Weed Ecology. The Department of the Environment could at least serve to bring together both technical and administrative information that is applicable here. In respect to agriculture and forestry, the matter of control was a Provincial jurisdiction. The Federal Department of Agriculture is involved with research.

The weed problem is more difficult. Weed eruption has occurred from a complicated interaction of several situations. It should be found whether there are other similar situations in existence. Exhaustive research should be done to see if the problem exists elsewhere. A variety of methods that the Board has already been doing will be helpful for control. It should be made certain that adequate monitoring is done to see if there could be side effects from these control methods. Academic fields should be combined. The Department of Environment could be helpful in trying to mobilize what information is available from other government departments.

Mr. Wiggins indicated that the implementation agreement is broad and comprehensive covering almost all aspects of local water management. The Implementation Board will consider most of the problems that have been mentioned this morning. Monitoring will be done under this agreement to measure the results of implementation.

Madame Sauvé asked whether the weed problem could be considered in the agreement. Mr. Wiggins replied that the weed problem could be considered by the Implementation Board.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD AND MADAME JEANNE SAUVÉ  
AUGUST 26, 1975 10:00 A.M.

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The Chairman indicated that four years ago there were no weeds. Something must be done now. The problem could not await for further monitoring. Action must be taken this year to keep the weeds from spreading further. Forestry, agriculture and sewage schemes can not be undertaken in the short term. A period of years would be involved. In the meantime the weed beds are exploding and must be brought under control in the very near future. The Board was pleased with the co-operation that had been offered so far. All the programs that have been tested on weed eradication must be placed back into the lake very quickly. Urgency is emphasized. A program is needed that would start this September. The Board is aware that the Province has a large role to play in weed eradication; however, there is also some room for the Federal Government to become involved.

Madame Sauvé indicated that if it was known what to do, the Government would do it right away. Results of the monitoring program would have to be available first. She indicated that obviously the weed problem would have to be a priority of the Implementation Board. The Secretary-Manager reviewed several weed eradication methods that the Board had experimented with over the past few years. He indicated that several of these showed some promise and should now be employed on a large scale in an attempt to remove the larger weed beds which are rapidly seeding the rest of the lake system.

Dr. Munro indicated that obviously something has to be done in the short term. He asked concerning costs.

The Secretary-Manager indicated that assembly and fabrication of the proper equipment for rototilling and jetting would involve approximately \$40,000 of capital cost. Approximately \$150,000 of additional operating funds would be needed to operate the equipment for the 1975-76 season only.

Dr. Munro indicated there was no existing program for operating costs, but there would likely be Federal co-operation for research. We would have to explore with other departments what could be done. The Secretary-Manager indicated that the Federal Department of Agriculture is heavily involved with research and actual operation of weed control in the Lethbridge area.

The Chairman indicated that aquatic weed growth would have to be stopped at least temporarily until long-range solutions are implemented.

Madame Sauvé asked what the Provincial Government has indicated concerning the weed problem.

The Chairman indicated the Province has been of assistance in providing funding for dredging, herbicides and the harvesting program. A clear policy of the Government would have to be stated under the Implementation Agreement.

Dr. Munro indicated that the aquatic weed problem would have to be one of the first considerations of the Implementation Board.

The Secretary-Manager mentioned there is a very serious time constraint to bring the aquatic weeds under control before the situation is lost and becomes completely unmanageable. The methods suggested for use immediately were only the currently best known methods. There was not complete certainty as to whether these alone would do the entire job satisfactorily. However, they indicated to be very promising. It was indicated that the Implementation Board would have a very critical role to play in the implementation of the study. He asked whether appointments to this Board had been considered. Mr. Wiggins indicated that he has asked Dr. Tener to give some thought to appointments to the Implementation Board. He also mentioned that a program for aquatic weed removal should be set up.

The Chairman indicated the purpose of Madame Sauvé's visit was to make her aware of the problems which she has viewed. Now that she was aware of the problems, the Board would like to have the co-operation of her Department. The Okanagan Basin could provide a pilot type of implementation project where everybody in Canada could benefit.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD AND MADAME JEANNE SAUVÉ  
AUGUST 26, 1975 10:00 A.M.

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Mr. Stuart emphasized that the uniqueness of the Valley should be stressed. It was a good situation to carry out tests, many landforms existed, there was an enclosed population and an administrative structure existed through the Canada-British Columbia Implementation Agreement.

Madame Sauvé indicated she felt this area was unique, but degradation of the environment was not unique. Environmental deterioration existed in many other places. But the fact that there was an enclosed environment here was unique and could be a possible advantage as a pilot. This area was also unique because it was being looked at as one region; and local officials are looking at policies for land use and limiting of settlement. She hoped there would be other ways of finding the unique features of the Valley.

Mr. Nalbach mentioned that in drier climates such as the Okanagan, environmental problems show up more sharply and take a longer time to cure.

Madame Sauvé indicated a problem is easier to solve when it is well identified as in the Okanagan. The will is there also. She indicated her Department would like to work out this problem with the Board. She would approach the Honourable R.A. Williams and see how far he is prepared to co-operate with the Federal Government in a weed eradication program.

The Chairman thanked Madame Sauvé for her visit and indicated to her that some public groups were present and would like to make a presentation to her. The press would like to have an opportunity to interview the Minister.

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The meeting adjourned at 11:20 a.m.

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Following adjournment, Madame Sauvé was presented with a brief by the Kelowna and District Chamber of Commerce and by Mr. Hill.

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No Meeting held  
September, 1975

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD, OCTOBER 9, 1975, 4:00 p.m. OFFICES  
OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN

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Present:	S.A. Fleming	Chairman	R.D.N.O.
	T.W. Oxley		R.D.N.O.
	R.W. Postill		R.D.N.O.
	L.R. Dooley	Alternate	R.D.C.O.
	F. Colclough		R.D.O.S.
	F.W. Laird		R.D.O.S.
	K.L. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Basin-wide Cost Sharing Formula The Chairman asked the Secretary-Manager to explain a further restriction on the basin-wide cost sharing formula for Municipal sewage schemes which do not include a high level of nutrient removal through some form of tertiary treatment.

The Secretary-Manager mentioned that under the present Basin-wide cost sharing formula, some communities without tertiary treatment, but presently having three mills of annual capital debt, could benefit from the cost-sharing formula. He questioned whether this would be within the original intent of the Board, since the Board had indicated that sharing on a basin-wide basis would be mainly to encourage municipalities to remove nutrients from Municipal wastes or to completely remove outfalls from the water system. If benefits from the formula were to go to communities which presently do not have provision for a high level of nutrient removal this would not be favourable for the Boards incentive program, primarily intended for nutrient removal.

The Chairman indicated if a municipality gives no indication of tertiary treatment or a high level of nutrient removal in their overall sewage scheme, they should not qualify for basin-wide funding assistance.

Mr. Postill indicated it would be the responsibility of the Water Board to scrutinize which community should qualify for Basin-wide funding.

Mr. Dooley indicated that no area should benefit until some form of tertiary treatment is included in the overall community sewage treatment plan.

The Chairman suggested that a community should not qualify for Basin-wide funds until approval has been received for borrowing authority by the Province for an overall sewage treatment scheme which contains tertiary treatment within the scheme. The Board must make it clear funding is for those projects which have an element of tertiary treatment in them and funding would be available at the time Provincial borrowing authority is confirmed.

Laird - Postill

That the principle be applied that funding under the basin-wide cost sharing formula be available only to community sewerage systems that will contain a high level of nutrient removal in the overall sewage treatment scheme and that funding eligibility be determined at the time the community has received borrowing authority for the proposed works from the Municipal Finance Authority.

CARRIED

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The Secretary-Manager indicated that he had been receiving several inquiries from various communities concerning the provisions of the basin-wide cost sharing formula. He suggested that a blanket letter be sent out to all the communities explaining to them in detail the provisions of the formula. The Secretary-Manager would draft a letter and the Chairman would review and sign it before forwarding to Municipalities and Regional Districts within the Basin.

The Secretary-Manager suggested that the same definition of sewerage works as contained under the Sewerage Facilities Assistance Act, Bill 88, should be used for funding under the Basin-wide cost sharing formula.

The Board agreed that this should be the definition of sewerage works for basin-wide cost sharing.

C.H.L.  
Woodward:  
Funding  
Aquatic  
Weed  
Program

A letter of October 2, 1975 from C.H.L. Woodward, Municipal Affairs was read. The letter related to funding for the short term weed eradication program. Mr. Woodward stated that the Water Board and the three Regional Districts require further amendment to letters patent to implement separate funding of the local share of the weed eradication program. The Department of Municipal Affairs would then be prepared to entertain a request for further letters patent which could be accommodated before the end of the current year. On the other hand if it is felt that the present letters patent are sufficiently broad to cover financing of the local share of the weed program, it would not be necessary to undertake a further amendment. It should be kept in mind, however, that if it is the intention to include funds for the weed program within a total requisition of one mill then the requisition under the new letters patent relating to sewage disposal will have to be reduced to the extent necessary to accommodate the raising of the additional \$100,000 for the short term weed eradication program.

The Chairman indicated that the Board had in the past suggested that weeds within the Okanagan system are pollutants and should be funded under the letters patent as recently drafted for municipal sewerage works. Further change in letters patent should not be required to fund a weed eradication program.

Postill - Colclough

That the Okanagan Basin Water Board agree not to apply for additional letters patent to raise funds for the aquatic weed eradication program, but that these funds be allocated from existing provisions under letters patent.

CARRIED

Co-ordin-  
ator:  
Short-term  
Aquatic  
Weed  
Eradication  
Program

The Secretary-Manager indicated that the assembly of equipment and co-ordination of field crews for the short term weed eradication program would require the hiring of a co-ordinator. This should be done fairly soon as it is important to have some of the work done before the winter period.

. . .

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD, OCTOBER 9, 1975, 4:00 p.m. Page 3.

The Chairman indicated that the Board should not make any commitments to funding for the joint weed eradication program until Federal and Provincial funds are confirmed. He indicated that the Board should agree to participate in the Technical Committee to which an appointment has already been made.

The Secretary-Manager indicated the importance of making an early start now, even though other segments of the funding have not been completely confirmed. Indications were that at least the Province was prepared to go ahead immediately. Work should be started before the winter season sets in. The Board had indicated its intention to participate in a weed eradication program even without senior government assistance.

Postill - Colclough

That the Water Board reaffirms its offer to participate with the Federal and Provincial governments on an equal basis for a short term weed eradication program. The Board would initiate operational action once Federal funds and Provincial funds are confirmed in the three way cost sharing program. The Board would agree to hire the necessary assistance to do whatever is required once the weed eradication program has been decided and agreed upon.

CARRIED

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The meeting adjourned at 4:50 p.m.

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
OCTOBER 9, 1975, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present:	S.A. Fleming	Chairman	R.D.N.O.
	T.W. Oxley		R.D.N.O.
	R.W. Postill		R.D.N.O.
	J.H. Stuart		R.D.C.O.
	L.R. Dooley	Alternate	R.D.C.O.
	F. Colclough		R.D.O.S.
	F.W. Laird		R.D.O.S.
	K.L. Boothe	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Also In Attendance

G. Whittaker  
K. Blagborne  
D. Denney  
P. Newroth  
A. Bryan  
S. Buckler

Minutes: Postill - Laird

That the minutes of July 3, 1975, August 12, 1975 and August 26, 1975 be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding to October 8, 1975 totalling \$1,079.43.

Stuart - Postill

That the accounts be received.

CARRIED

Correspondence:

District of  
Coldstream:  
Coldstream  
Creek  
Erosion  
Control

1. Letter of September 3, 1975 from the District of Coldstream concerning Coldstream Creek Erosion Control.

The letter indicated that erosion on Coldstream Creek during freshet resulted in very heavy nutrient and siltation loading of Kalamalka Lake. This was considered to be a major contribution to the excessive weed growth. In view of these circumstances, Council was requesting the Okanagan Basin Water Board to include Coldstream Creek with other areas within the Basin to receive special funding for the removal of outfalls and control of excessive weed growth.

The Chairman indicated that he has been in touch with the North Okanagan Health Unit which would be initiating surveillance over Coldstream Creek and Vernon Creek to determine the contribution of septic tank nutrients and feedlot nutrients to the creek system.

Postill - Colclough

That the above letter be received and filed.

CARRIED

P.M. Brady:  
Water  
quality  
Wood Lake-  
Alum

2. Letter of August 28, 1975 from P.M. Brady, Director, Water Investigations Branch, to keep the Board informed on the progress of the evaluation of water quality improvement for Wood Lake. Mr. Brady enclosed an interim report from B.C. Research.

Unfortunately, conditions in Wood Lake last spring indicate it would have been fruitless to do a proposed pilot scale test using alum at that time. This is planned to be done in the Spring of 1976. The delay in carrying out the pilot scale treatment would result in a one year delay in receiving the complete report.

K. Boothe - Postill

That the above letter be received and filed.

CARRIED

City of  
Kelowna:  
Okanagan  
Lake  
Shoreline  
Projects

3. Letter of August 14, 1975 from the City of Kelowna's Committee for Environmental Protection.

The letter was in regard to past correspondence concerning Okanagan Lake Shoreline projects. J. Nalbach, Resource Co-ordinator, City of Kelowna, was now the liaison person on the subject matter. Included with the letter were references to contour plans of the Okanagan Lake bottom by the Deputy Minister of Lands, Forests, and Water Resources; and by the Surveyor General and Director, Surveys and Mapping Branch, Department of Lands, Forests and Water Resources.

The Secretary-Manager indicated that any Shoreline projects requiring dredging and redeveloping would fit into the aquatic weed eradication program scheduled for the 1975-76 period. If this type of work is to be done on the Kelowna foreshore, contour maps should be done fairly quickly.

The above correspondence was to be received and filed and the Secretary-Manager was to keep the subject in process.

City of  
Kelowna:  
Okanagan  
Lake  
Disposal  
Regulatory  
By-law

4. Letter of August 15, 1975 from the City of Kelowna with enclosed proposed Okanagan Lake Disposal Regulatory By-law.

City Council has requested that the By-law be referred to the Okanagan Basin Water Board for comments prior to Fourth Reading by the City of Kelowna. The proposed by-law would make it unlawful for any person to dump, release or discharge other than municipal effluent and water into any receiving body, including watercourses tributary to Okanagan Lake, within the City of Kelowna, by any means including through the use of the City of Kelowna storm sewer system.

The Board agreed that such a by-law was a good step.

Mayor Laird warned of contamination of water through storm drains.

The Secretary-Manager mentioned that the validity of the by-law should be investigated in view of the Pollution Control Act and the Land Act and in view of other types of discharges that are occurring within the City boundary under existing Pollution Control permits.

Mr. Stuart indicated that the by-law was mainly to help prevent discharges of foreign substances into storm sewers.

Stuart - Postill

That the Okanagan Basin Water Board endorse the City of Kelowna Okanagan Lake Disposal Regulatory By-law in principle and support the by-law.

CARRIED

R.D.O.S. &  
R.D.C.O.:  
Basin-wide  
Cost  
Sharing  
Formula

5. Letter of August 29, 1975 from the Regional District of Okanagan-Similkameen and a letter of August 26, 1975 from the Regional District of Central Okanagan.

Both letters indicated that a Water Board letter of August 14, 1975 had been placed before the above noted respective Regional Districts and that the Regional Boards passed a resolution accepting Alternative No. 1 as a Basin-wide Cost Sharing formula as described in the Finance Committee's notes of June 10, 1975.

The Secretary-Manager mentioned that a similar confirming letter had not yet been received from the Regional District of North Okanagan; although, such a letter was not essential under the terms of the new letters patent. Mr. Postill indicated that a matching letter would be forwarded from the Regional District of North Okanagan.

C.H.L.  
Woodward:  
Letters  
Patent

6. Letter of September 22, 1975 from Mr. Woodward, Associate Deputy Minister, Department of Municipal Affairs.

The letter was in reply to the Water Board letter of September 9, 1975 concerning letters patent. Mr. Woodward said that he expected letters patent to be issued shortly. He had asked the Financial Services Division to review the proposed cost sharing formula and would be in touch with the Board in due course.

The Chairman indicated that a recent announcement had been made by the Department of Municipal Affairs that the letters patent had now been completed and granted. The Secretary-Manager mentioned that the formula for cost-sharing waste treatment throughout the Basin was subject to approval by the Department of Municipal Affairs. The formula is referred to in the letters patent. The Secretary-Manager indicated Mr. Woodward had expected to make provision in the new letters patent for raising of funds for an aquatic weed eradication program. However, this may now have to be included by an amendment to the new letters patent since Cabinet approval had already been received on the new letters patent which were forthcoming.



Stuart - Postill

That the above letter be received and filed.

CARRIED

R. Ferguson:  
City of  
Armstrong,  
Dutch Dairy

7. Letter of July 25, 1975 from R.H. Ferguson, Pollution Control Branch.

The letter was in reply to an Okanagan Basin Water Board letter of July 16, 1975 regarding effluent discharges from the City of Armstrong and Dutch Dairy Ltd. It was the Pollution Control Branch's view that the City of Armstrong and Dutch Dairy have indicated a strong desire to improve the quality of effluent treatment and to meet the requirements of the Pollution Control Branch and the Okanagan Basin Study. Under these circumstances it would not be considered advantageous to resort to prosecution under the Pollution Control Act, 1967 even though the City of Armstrong and Dutch Dairy had not conformed to the standards required under their existing permits.

K. Boothe - Postill

That the above letter be received and filed.

CARRIED

K. Benson:  
Placement  
of Septic  
Tank  
Fields on  
Indian  
Lands

8. Letter of July 24, 1975 from K.I.G. Benson, Associate Deputy Minister, Health Branch.

The letter was in reply to the Okanagan Basin Water Board letter of July 15, 1975 concerning placement of septic tank fields in low-lying areas of leased Indian lands adjacent to surface water courses. Mr. Benson indicated that Federal and Provincial legal opinions have been sought and there is now a general agreement that while Provincial land use legislation cannot apply to Indian lands, Provincial health legislation relating to a person may be applied. Leased land is, in effect, alienated from the Indians and the Health Unit staff have been advised that they treat such land as they would any other part of the Health Unit, with the exception of dictating the use of the land. Section 88 of the Indian Act empowers Provincial agencies, i.e. Health Departments, to enforce the legislation dealing with Indian persons. Leases often require that the lessee comply with all applicable Federal, Provincial and Municipal legislation. In the South Okanagan Health Unit area of enforcement of Provincial legislation on leased Indian land is presently being administered by Medical Services of the Department of National Health and Welfare under the jurisdiction of Dr. G.C. Butler, Regional Director, Pacific Region Medical Services.

The Secretary-Manager explained that the Federal Department of Health has an officer stationed in Salmon Arm who is responsible for inspecting health regulations on Indian land. Mayor Laird suggested that Federal Health personnel responsible for enforcing septic tank regulations on Indian lands be invited to a meeting with the Board. The Chairman suggested that Mr. Benson and Mr. Butler, as well as Mr. Wahoski from Salmon Arm, and representatives from the local Health Units be invited to an open meeting with the Water Board. He suggested that the Provincial Minister of Health and the Federal Minister of Health also be invited. The meeting could be held in conjunction with the next open Okanagan Basin Water Board meeting on November 6, 1975. Telegrams should be sent to the Ministers.



Oxley - Laird

That Mr. Benson, Mr. Butler, Mr. Wahoski, Dr. Clarke, Dr. Smart and the Federal and Provincial Ministers of Health be asked to attend the November 6th meeting of the Water Board to discuss the placement of septic tank fields on Indian lands.

CARRIED

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The Secretary-Manager mentioned that he and the Chairman had met with representatives from the local valley Health Units to discuss the new septic tank policy as requested by the Water Board. It appeared that the Regional Districts would have to draft new septic tank by-laws and the Health Units would enforce these by-laws. The Department of Health would be considering septic tank regulations by region rather than for the overall province.

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B.E. Marr:  
Kalamalka  
Lake  
Outlet  
Structure

9. Letter of July 3, 1975 from B.E. Marr, Deputy Minister, Water Resources Service.

Mr. Marr, in referring to the May 28th meeting of the Okanagan Basin Water Board in Kelowna which he had attended, wished to clarify that in the notes referring to the Kalamalka Lake Outlet Structure, the position he took at the meeting was that this structure was not included in the Federal and Provincial implementation program because it was not part of the Okanagan flood control works originally constructed by the two senior governments. However, he gave the opinion that the Province would be prepared to add this structure to the joint program but could not commit the Federal Department to such an arrangement. He was not in a position to make any commitment in the event that the Federal Department is unable to cost share in this structure.

A letter of August 21, 1975 which Mr. Marr had written to Mr. Tener, Assistant Deputy Minister, Environment Canada, was also presented to the Board. The letter gave various supporting reasons why the Kalamalka Lake Outlet Structure should be jointly undertaken by both the Federal and Provincial Government. Mr. Marr had urged the Federal Government to participate in the Kal-Wood Lake Structure. The Chairman stated that the Kalamalka Lake system must be recognized as part of the overall Okanagan drainage. Any structure on the outlet of Kalamalka Lake would add to the total management of the system. He suggested that the Board pursue this matter further. A request should be made to meet with Mr. Marr and Federal representatives to discuss the proposed outlet structure in Kalamalka Lake.

Oxley - Postill

That the Secretary-Manager contact Mr. Marr and Federal representatives concerning the Kalamalka Lake outlet structure and request them to attend the next meeting of the Okanagan Basin Water Board.

CARRIED

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Implement-  
ation  
Agreement

The Chairman asked concerning progress being made in the Okanagan Basin Study Implementation Agreement. The Secretary-Manager explained that the Implementation Agreement has now been placed before the Treasury Board in Ottawa. The Chairman expressed concern for the delay, and suggested the Secretary-Manager report to the Board any information that is received concerning the Implementation Agreement and the Kal-Wood Lake Outlet Structure.

R.D.C.O.  
One mill  
levy

10. Letter of August 21, 1975 from the Regional District of Central Okanagan.

The Regional District advised that the Regional Board at its meeting of August 11th adopted a resolution approving the levy of one mill under the Okanagan Basin Water Board in the year 1976 for aquatic weed eradication in the Okanagan Basin.

Mr. Stuart explained that it was intended that only one part of the one mill levy would be used for aquatic weed eradication.

It was moved that the letter be received and filed.

R.D.C.O.  
Funds for  
prepara-  
tion of  
weed  
control  
equipment

11. Letter of August 12, 1975 from the Regional District of Central Okanagan.

The Regional District had adopted a resolution releasing the balance of weed harvesting funds in the amount of approximately \$3,400 to the Okanagan Basin Water Board for the purpose of necessary engineering drawings for a jetting machine which would be used in the control of aquatic weeds. Mr. Stuart explained that the Regional District has made available the balance of the weed harvesting funds to the Okanagan Basin Water Board for immediate use by the Water Board in preparation of equipment required for the 1975-76 weed eradication program.

The Secretary-Manager indicated that these funds were helpful and timely since they could be used immediately to start preliminary work on equipment design.

Postill - K. Boothe

That the above letter be received and filed, and a letter of appreciation forwarded to the Regional District.

CARRIED

B.E. Marr:  
Weed  
Research  
Biology  
Program

12. Letter of August 21, 1975 from Mr. B.E. Marr, Deputy Minister, Water Resources Service, in reply to a Water Board telegram of August 13th concerning the weed problem in Okanagan Lake.

Mr. Marr indicated that the hiring of biology students to do work during the summer months on the Okanagan Lake weed problem was tailored to the availability of students and therefore there is no curtailment of the program as originally set out. It was recognized that recent developments indicated

a need for further research work, and as an interim measure, the Water Resources Service managed to arrange for three out of the five biology students to be retained for a further two to four months. On the question of a weed eradication program he indicated that the Honourable R. Williams would be prepared to meet with the Board concerning a proposal.

Honourable  
R. Williams  
Weed  
Eradica-  
tion  
Program

The Chairman read a letter of September 26, 1975 from the Honourable R. Williams, Minister of Lands, Forests and Water Resources. The letter was in reply to the telegram to Premier Barrett concerning the weed removal program for Okanagan Lake. Mr. Williams reaffirmed the position of the Water Resources Service that the Service will participate in the joint program of weed removal involving cost sharing by Federal, Provincial and local government. It was noted that Madame Sauvé has indicated that the Federal government is prepared to contribute subject to Treasury Board approval. As time was of the essence the Water Resources Service has already approached the Federal Department of the Environment inviting them to join a technical committee to agree on the program. In view of the initiatives shown by the Okanagan Basin Water Board, Mr. Williams requested that someone be nominated from the local area to serve on the technical committee. The Chairman suggested that the Secretary-Manager be nominated to serve on the technical committee.

Dooley - Stuart

That W. Parchomchuk be appointed to the joint Technical Committee to establish an aquatic weed eradication program.

CARRIED

The Secretary-Manager indicated that the first meeting of this committee would be on October 16, 1975.

The Chairman indicated that the request for Federal funds for the short term weed eradication was now before the Treasury Board, however a reply has not been received from Madame Sauvé. Further communication should be made to Madame Sauvé.

Laird - Colclough

That Madame Sauvé be contacted and informed that local and Provincial members have already been appointed to a Technical Committee for a short-term weed eradication program, but the Committee could not proceed until work was received from her office concerning the Federal portion of funding.

CARRIED

City of  
Kelowna:  
Information  
Meeting -  
Aquatic  
Weeds

13. Letter of September 2, 1975 from the City of Kelowna requesting that the Okanagan Basin Water Board arrange an information meeting on aquatic weeds within the Basin with Dr. Newroth of the Water Resources Service and that the City of Kelowna be included in the meeting.

The Secretary-Manager had explained that earlier in the year the City of Kelowna had requested the Water Resources Service to hold an information meeting in the City. The Water Resources Service suggested that the Water Board arrange such a meeting and that all communities in the Okanagan be invited.

The evening of November 6, 1975 could be an appropriate date.

Stuart - Postill

That the Okanagan Basin Water Board extend an invitation to all Councils within the Valley to attend an information meeting on aquatic weeds in the evening of November 6, 1975.

CARRIED

The Chairman suggested the City Council of Kelowna be advised and the letter be filed.

Dredging  
Report

The Secretary-Manager presented a verbal report on the dredging trials which have been done on the North Arm of Okanagan Lake during May and June of this year. The project was cost shared by the Water Resources Service and the Regional District of North Okanagan. The Water Board and the Water Resources Service co-ordinated the dredging trials. A series of slides were shown indicating the dredge site, the dredging equipment and the spoil site.

Dr. Newroth mentioned that organization for a 1975-76 co-operative weed eradication program was proceeding. The program would emphasize the various methods of control and an attempt will be made to eradicate weeds on Skaha Lake and Vaseaux Lake as well.

Skaha Lake  
Lowering

Mayor Laird asked whether the proposals to lower Skaha Lake were still proceeding. Dr. Newroth indicated this was still proceeding however, there were some problems with intakes and fisheries. Mayor Laird suggested that water intake lines over bedrock would be difficult to protect. Dr. Newroth indicated that there is much awareness of the water intake problems on the lake, however these could be overcome by protection against frost. The popular demand, indicated by questionnaires forwarded to lakeshore residents, was to see some action done to eradicate the weeds in Skaha Lake. Mayor Laird felt that lowering of Skaha Lake was not a practical situation in view of some water intake lines.

The Chairman felt that if the entire sum of money available for the weed eradication program had to be spent to settle claims for frozen intake lines, this would be a loss to the eradication program.

Mr. Colclough indicated he had experience in placing some of the intake lines into Shaka Lake. If the intake problem could be remedied, then the lowering of Skaha Lake would be a good idea.

The Chairman suggested that the weed eradication Technical Committee should take into account the concern expressed by the Board and the decision should be made by the Technical Committee as to the feasibility of the lake draw-down. If it would appear to generate more problems than it would solve, the lake draw-down should be avoided.

The Secretary-Manager indicated that the Water Resources Service was very much aware of the water intake situation on Skaha Lake. This was the prime reason for sending out a questionnaire to all residents on the lake asking for further information concerning the intakes and to assess the possibility of protection of these intakes against frost.

Mr. Stuart left the meeting at 3:50 p.m.

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Applications for Pollution Control Permits:

Advance  
Fur  
Dressers

1. Letter of August 25th from H.P. Klassen, Assistant Director, Pollution Control Branch, relative to the application for a pollution control permit by Advance Fur Dressers dated July 4, 1973.

Mr. Klassen advised that this application to which the Board had objected to has now been adjudicated. In view of the measures to be provided to control pollution, a pollution control permit would be issued on this date. A copy of the permit could be examined in the Vernon office.

Postill - K. Boothe

That the above correspondence be received and filed.

CARRIED

City of  
Vernon

2. Application by the City of Vernon. The City of Vernon has two applications for Pollution Control Permits as follows:

The first was an application for an amendment to the existing Pollution Control Permit No. 167. The amendment was to increase the quantity of effluent to be discharged to an annual average daily volume of 3,000,000 gal/day from the previous maximum of 2,500,000 gal/day. This would be discharged until January 1, 1978 into Vernon Creek and thereafter intermittently for a maximum of 60 days per year. The second application was for the discharge of municipal secondary treated effluent to approximately 2,000 acres of land located southeast of Vernon. The average annual daily discharge would be 3,000,000 gal/day. The maximum daily discharge to the land would be approximately 10,000,000 gal/day during the peak of the irrigation season. The operating period during which the effluent would be discharged would be April 1 - November 30. The type of treatment to be applied to the effluent before discharge to land would be barminutor, grit chamber, primary clarifier, trickling filter, secondary clarifier, chlorination and smoothing basins.

The Chairman explained the upgrading of works was intended to be undertaken under several phases. The first permit will permit the trickling filter and modifications at the existing plant. The volume of effluent discharged to the Creek will be gradually reduced as the spray irrigation project comes into operation.

A letter from the Regional District of North Okanagan indicated that the Technical Committee of the Regional District had approved and endorsed the applications by the City of Vernon for Pollution Control Permits to expand the sewage treatment plant to a capacity of 3,000,000 gal/day and to operate a sewage spray irrigation project on land south of Vernon on Commonage Road.

Dooley - Postill

That the application by the City of Vernon be recommended.

CARRIED

City of  
Armstrong

3. Application for Pollution Control Permit by the Corporation of the city of Armstrong to discharge effluent from the Pollution Control centre into Fortune Creek.

The average daily discharge would be 170,000 gal. The maximum daily discharge would be 450,000 gal. The type of treatment to be applied to the effluent before discharge would be aerated lagoon plus two waste stabilization ponds, chlorination facilities and retention ponding. The Secretary-Manager indicated that the Technical Planning Committee for the Regional District of North Okanagan recommended that the City of Armstrong be requested to investigate alternate methods of sewage treatment and disposal similar to the spray irrigation project proposed by the City of Vernon.

The Chairman felt the City of Armstrong may now have additional information on an improved system, and therefore the application should be tabled.

K. Boothe - Oxley

That the application by the City of Armstrong be tabled for further clarification.

CARRIED

Westbank  
Irrigation  
District

4. Application for Pollution Control Permit by Westbank Irrigation District to permit the discharge of effluent from a Pollution Control Centre.

The average annual daily discharge would be 160,000 gal. The maximum daily discharge would be 480,000 gal. The type of treatment to be applied to the effluent before discharge would be aerated lagoon, followed by stabilization pond, chlorination facilities, effluent storage reservoir, spray irrigation facilities and related appurtenances. The operating period during which the effluent will be discharged is April 30 - October 1. Both the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan have approved this application.

Postill - Colclough

That the application by Westbank Irrigation District be approved.

CARRIED

R.D.C.O.

5. Application for Pollution Control Permit by the Regional District of Central Okanagan to discharge septic tank effluent from within the Regional District into the ground on the Winfield Ranch, east of Winfield.

The average annual daily discharge would be 15,000 gal. The type of treatment applied before discharge to the ground would be nil.

Both the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan moved that there be no objection to this application.

Postill - K. Boothe

That the application for pollution control permit by the Regional District of Central Okanagan be supported.

CARRIED

Other  
Business

The Secretary-Manager indicated that there were two publications recently received in the Water Board office which could be of interest.

- 1) The "Canada Water Year Book 1975" contained a wide variety of facts relating to water management in Canada.
- 2) "Alternative Methods for Waste Treatment and Disposal of Community Wastewater", published by the B.C. Water Resources Service contained a good summary of the various methods of waste-water treatment.

A technology seminar on alternatives for nutrient control was to be held in the Capri Hotel in Kelowna on October 29 - 31, 1975. The seminar would deal with the various methods of nutrient control and waste-water treatment. The first day of the seminar was to be general, the second and third day would be more technical.

Postill - Colclough

That the Water Board move into Committee.

CARRIED

The meeting adjourned at 4:00 p.m.



MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD,  
NOVEMBER 6, 1975, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	S.F. Fleming	Chairman	R.D.N.O.
	T.W. Oxley		R.D.N.O.
	R.W. Postill		R.D.N.O.
	C.B. Day		R.D.C.O.
	L.R. Dooley	Alternate	R.D.C.O.
	J.H. Stuart		R.D.C.O.
	H. Thwaite		R.D.C.O.
	K. Boothe	Alternate	R.D.O.S.
	F. Colclough		R.D.O.S.
	F.W. Laird		R.D.O.S.
	W. Parchomchuk	Secretary-Manager	

Also Present:

Dr. G. Butler, Dept. of National Health and Welfare  
Dr. Forbes, Dept. of National Health and Welfare  
Dr. M. Smart, Director, North Okanagan Health Unit  
Dr. D.A. Clarke, Director, South Okanagan Health Unit  
Mr. Atwater, Environment Canada  
Mr. W. McGrath, Regional Engineer, North Okanagan Health Unit  
Dr. P. Newroth, Water Resources Service  
Mr. K. Marsden, Water Resources Service  
Mr. J. Rheame, Administrator, R.D.O.S.  
Mr. S. Buckler, Peachland  
Mr. Bolten, Penticton  
Mr. R. Stone, Vernon  
Mr. D. Simpson  
Mr. J. Simpson

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Minutes The minutes from the meeting of October 9, 1975 were presented. Owing to the mail strike, minutes had not been circulated prior to this meeting. Board Members may wish an opportunity to review the minutes.

Thwaite - Dooley

That the minutes from the meeting of October 9, 1975 be adopted in principle and be brought before the Okanagan Basin Water Board at the next meeting.

CARRIED

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Accounts Accounts outstanding totalling \$468.48 were presented.

K. Boothe - Postill

That the accounts totalling \$468.48 be adopted as presented.

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Accounts Accounts outstanding totalling \$468.48 were presented.

K. Boothe - Postill

That the accounts totalling \$468.48 be adopted as presented.

CARRIED

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Weed  
Eradica-  
tion  
Program

The Chairman referred to the application for funds in September to the Provincial and Federal Government for a short-term weed eradication program. The application has been under consideration since then. The program was to be funded \$100,000 by the Water Board, \$100,000 by the Federal Government, and \$100,000 by the Province. The urgency of the matter was accepted by the Premier of the Province and he indicated the Province's willingness to share in the program at an early date. However, a press release earlier in the day indicated that the Federal Government had turned down the application, on the basis that it felt weed eradication was a Provincial responsibility. The Chairman expressed concern that this answer was not given earlier in September when the application was first made. Considerable time has been lost. He suggested that the Federal Government be dropped from the program and recommended that the Water Board use the \$100,000 already allocated to the program and that the Board formally request the Province to retain their \$100,000 in the program. The Water Board and the Province would undertake the program together.

Mr. Thwaite asked whether the Province's contribution to the program had been conditional on the Federal contribution. The Chairman indicated it was conditional.

Thwaite - Postill

That the Okanagan Basin Water Board reaffirms the allocation of \$100,000 to a short term weed eradication program and that the Province be approached to reaffirm funding of \$100,000 to the program without the condition of Federal funding.

CARRIED

Implemen-  
tation  
Agreement

The Chairman mentioned that he has also asked concerning the Implementation Agreement. He indicated the Province had been prepared to sign the agreement in June. However, there have been delays with the Federal Government. He indicated the Implementation Agreement had been forwarded to the Federal Treasury Board this morning. The Water Board would be advised as soon as the disposition of the Implementation Agreement is known.

L.I.P.  
Funding

The Secretary-Manager indicated the Water Board had also made an application for funding of aquatic weed eradication under the Federal L.I.P. Program, however, funding to the Board under this program had been turned down on the basis that the Okanagan Basin Water Board was to receive funding from Environment Canada. Now the Board would not be receiving funding from either the L.I.P. Program or Environment Canada. Mr. Colclough confirmed that at the local meeting to decide on the L.I.P. Programs, it was pointed out that sharing for the aquatic weed program would come from other sources and therefore it would not be necessary to fund under a L.I.P. Program. It was not that this program was not worthy of funding.

Placement  
of Septic  
Tank Fields  
on Indian  
Land

Item (4) on the agenda regarding the placement of septic tank fields on Indian Lands was dealt with next to accommodate Federal and Provincial representatives. The Secretary-Manager was asked to introduce the members present and to lead the discussion.

The following people were introduced: Dr. Butler, Regional Director, Pacific Region, Department of National Health and Welfare; Dr. Forbes, Department of National Health and Welfare; Mr. Atwater, Environment Protection Service, Environment Canada, Pacific Region; Dr. Clarke, Director, South Okanagan Health Unit; Dr. Smart, Director, North Okanagan Health Unit; Mr. Wayne McGrath, Regional Engineer, Department of Health, B.C.

The Secretary-Manager explained that the Board was concerned regarding which Provincial and Federal Agencies have jurisdiction insofar as the placement of septic tank fields on Indian Land adjacent to surface water courses. Concern had recently been expressed particularly over the proposed 107 unit mobile home development proposed near the Okanagan River Channel in Penticton, also development on the Westbank Indian Reserve and near Kin Beach in Vernon.

Dr. Butler explained the Department of National Health and Welfare use Provincial Health Regulations as a guideline on Indian Land. Problems are also discussed with the Provincial Health Officers. The Environmental Health Officer has inspected the proposed 107 unit mobile home development near Penticton and no health hazard can be ascertained. However, where nutrients are involved, with a possible seepage to surface waters, the Health Branch has no jurisdiction on Indian Land. At the present moment there is no health hazard and very little can be done by the Health Unit. He indicated the present effluent would be sterilized by the soil.

The Secretary-Manager asked concerning effluent surfacing from the septic tank units on Indian Lands near Kin Beach in Vernon.

Dr. Butler indicated that Section (4) of the Indian Health Regulations provide that every Indian subject shall comply with the regulations. He presumed that any white person would be subject to Provincial laws relative to health and sanitation. He indicated there was no problem from a legal view in enforcing health regulations on Indian Land, however, land usage was not included within the regulations.

Mayor Laird indicated the City of Penticton did offer a sewer extension for the adjacent Indian Lands, however, the City could not get an answer as to who would guarantee capital costs on the line. Mr. Atwater indicated that at the time the application was made the developer wished to connect into the City line but the City refused. Mayor Laird indicated this was true because the City lacked a guarantee at that time.

Dr. Butler indicated the Indian people should be involved in these discussions.

The Chairman indicated Indian Bands were invited to participate previously but had not replied to correspondence.

Dr. Butler had met with the three Chiefs this morning and had arranged for the Provincial Health Inspectors to inspect on reserve lands, and to report to the Federal Department of National Health and Welfare. He indicated Federal Health officers in Salmon Arm would inspect upon Indian Lands until the Chiefs let him know if he wishes the Federal Inspectors or the Health Units to inspect on Indian Lands.

Mayor Postill mentioned that the Board must work on one standard throughout the Basin, both on Indian Lands and non Indian Lands if the lake is to be saved.

Dr. Butler agreed there are problems with enforcement of regulations on Indian Land. There are provisions within the Indian Act where a leasee must correct existing problems, however, who forces this correction is not clear. The Department of National Health and Welfare only act on an advisory basis to the Department of Indian Affairs. They advise the Superintendent of Indian Affairs, who then must enforce the regulation. There is some need for clarification as to how well enforcing is done.

Mayor Postill indicated the Regional Board should be given authority to enforce regulations on Indian Land.

Dr. Smart suggested a committee be formed between the Federal and Provincial Health Officers and Indian Bands to deal with this problem. There is some question as to who really has authority in dealing with the septic tank problem on Indian land. Some people feel that Health Units have complete authority, others feel there is no authority from Health Units.

The Chairman indicated there is more and more development pressure on Indian Lands. He suggested that some means of co-ordination of all departments and the Indian Bands was required. He suggested that the Water Board volunteer to be the co-ordinating intermediary body between Health Units, Environment Canada, Indian Bands, Regional Districts and the municipalities. The Board would take a positive position and would act as the intermediary.

Mayor Thwaite in speaking to this suggestion indicated that the only authoritative route in this case is through the Federal Government who are responsible under the British North America Act. He felt there was an attempt made by Indian Affairs to delegate this responsibility to Health and Welfare who then in turn wished it to become a local responsibility. Dr. Butler indicated that under the Indian Act the Department of Indian Affairs is required to consult with the Medical Health Officer for advice concerning health problems on Indian Lands.

Dr. Clarke indicated that at a recent meeting of the South Okanagan Union Board of Health, the Health Board was prepared to proceed legally in resolving the problem as to jurisdiction and placement of septic tank fields on Indian Lands. He referred particularly to the development near the Okanagan River Channel in Penticton. He indicated that the Department of Indian Affairs has shown very little concern over this matter. Installations have been made under the Department of Indian Affairs. After installations have been complete, the Health Unit has been asked for comments. The South Okanagan Union Board of Health are prepared to test this case. There are B.C. Regulations and they have to apply on Indian Lands. There are also mobile home park regulations and the Board is prepared to charge the person involved without a permit. He indicated that Dr. Benson of the Provincial Department of Health has indicated that Provincial Health Regulations do apply on Indian Lands in dealing with individuals. He indicated that the idea of co-ordinating all agencies concerned, by the Board was good, however, there is a need for enforcement. The Health Unit wished this matter to be clarified.

. . .

The Chairman indicated that the test case is probably essential, however, the Board would ultimately also be looking at nutrient loading which is an equal problem. In addition, siltation, agriculture, logging and other practices on Indian Lands would have to be considered. All of these should be dealt with at the same time. Health is but one vital part of the overall problem.

Postill - Laird

That the Okanagan Basin Water Board offer its resources to be the co-ordinating and intermediary body between all Government Agencies concerned with Pollution Regulations on Indian Lands.

CARRIED

Mr. Atwater indicated that Environment Canada is prepared to provide technical services to go on all Indian Lands for Environmental reconnaissance.

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Telegram— A telegram dated November 6, 1975 from Madame Jeanne Sauvé,  
Madame Minister, Environment Canada, was delivered to the meeting. The  
Sauvé Chairman read the telegram indicating that due to Federal Government spending constraints, the Treasury Board did not approve the request by Environment Canada to contribute to the aquatic weed eradication program. While the Okanagan weed problem was recognized as a serious one, Treasury Board decided that the Federal Government could not provide funding, however, she indicated she was still hopeful that the Department of the Environment would be able to proceed with a longer term solution to the problem through the Canada-British Columbia-Okanagan Basin Agreement which is going to Treasury Board for consideration this week. The Chairman mentioned that curtailment of funding for such projects only means a deterioration in the resource assets of the Country.

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The Chairman expressed his appreciation to those members of the Federal and Provincial Governments who had attended the meeting. He suggested the Board continue to maintain contacts with Dr. Clarke and Dr. Smart and other Government Departments. If the Indian Bands wished to participate, that offer should be made to them.

Dr. Butler enquired whether the Water Board would initiate a letter or whatever communication that had to be made to the Indian Bands. The Chairman mentioned that the Board would communicate to the Indian Bands and reaffirm their invitation to discuss septic tank placement problems and other pollution problems. The Board would forward the minutes of today's meeting to the Government Agencies represented. He suggested then that the minutes could be transmitted to the respective senior positions for persual.

Dr. Clarke expressed his gratitude to Dr. Butler who has made great efforts in providing information dealing with health problems on Indian Land, however, he had no authority to act and must only report to the Indian Bands. The Chairman indicated that there was no intent to criticize any of the members of Government present today. He recognized the jurisdictional problems that they were facing. However, at the senior levels of government there is a communication problem and a need for co-ordination.

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The meeting adjourned for a five-minute break and resumed with:

S.A. Fleming, T.W. Oxley, R.W. Postill, C.B. Day, L.R. Dooley,  
J.H. Stuart, H. Thwaite, K. Boothe, F. Colclough, F.W. Laird,  
W. Parchomchuk, Dr. P. Newroth, K. Marsden, Mr. Bolten, S. Buckler.

Correspondence:

Dr. J.  
Tener -  
Kalamalka  
Lake  
Outlet  
Structure

1. Dr. J. Tener, Assistant Deputy Minister, Environment Canada,  
re Kalamalka Lake Outlet Structure.

The Secretary-Manager explained that a letter was on its way to the Water Board from Dr. Tener relating to the Kalamalka Lake Outlet Structure, however, he had received the contents of the letter by telephone which indicated that Dr. Tener felt that discussion on the Kalamalka Lake Outlet Structure should be initiated once the Canada-British Columbia-Okanagan Basin Agreement Implementation Board has been set up. There is provision within the agreement to review the recommendations of the Kalamalka Wood Lake Study.

The Secretary-Manager noted that the Water Board had requested at their last meeting that a meeting be arranged with Dr. Tener and Mr. Marr to discuss the Kalamalka Lake outlet structure. The Chairman suggested the Secretary-Manager keep this item under review.

B.E. Marr -  
Skaha Lk.  
Draw-down

2. Letters of October 14, 1975 and October 31, 1975 from B.E. Marr, Deputy Minister, Water Resources Service were referred to the Board.

The letter of October 14th from Mr. Marr indicated that the objections to the draw down of Skaha Lake proposed for this Fall were voiced at the Okanagan Basin Water Board meeting of October 9, 1975. Since the decision on this proposal was required to be made soon, Mr. Marr asked for clarification of the position of the Board on this matter as soon as possible.

In his letter of October 31st, Mr. Marr indicated that following a careful assessment of the many factors associated with the five foot draw down of Skaha Lake, the Water Resources Service has decided that such an operation is not practical this winter. Although there is evidence from other areas that indicates that draw down is an effective management tool for control of watermilfoil, lower water levels would also have facilitated application of polyethylene materials and other mechanical control methods. These complimentary methods are now being considered for implementation on dense watermilfoil before the 1976 growing season. Solutions to water intake problems that would be caused by lake draw down are technically feasible but require several months and considerable manpower to implement. This factor, other logistical problems and multiple use constraints suggested by Fish & Wildlife Branch indicated that a draw down of Skaha Lake should be deferred. Provided hydrological conditions permit, a draw down of the lake may be considered commencing in the early fall of next year. Information to guide the decision should be available by July 1, 1976. Comments from concerned parties were welcomed.

Mr. Colclough indicated there were approximately 170 homes on the east side of the lake alone that would require an intensive survey to see how water intakes would be affected.

Dr. Newroth indicated that the press would be getting a copy of the letter and home owners along Skaha Lake would also be receiving a copy. The Chairman indicated this correspondence should be received and filed with copies to the Regional District of Okanagan-Similkameen and the City of Penticton.

K. Madsen,  
L. Riglin--  
Trout Cr.  
Perpetual  
Slide

3. Letters of October 8, 1975 from Katy Madsen of Summerland and Linda Riglin, Department of Geological Sciences, UBC concerning the perpetual slide area located on Trout Creek. The letters presented technical information on massive movements of earth in the area over the past few years. Concern was particularly expressed that the Summerland Municipal Council had approved in principle on July 21, 1975 a 200 unit mobile home park adjacent to this very unstable area.

The Secretary-Manager mentioned that he had visited the area to view the large blocks of earth which were slipping. He estimated the area covered was approximately  $\frac{1}{4}$  of a mile by  $\frac{1}{4}$  mile in dimension. This is a typical case of underlying bedrock being lubricated by application of water with the resulting surface overburden slipping over the rock embankment into the Creek. Mayor Boothe indicated the Summerland Council had approved the 200 mobile park in principle only. It was not likely that water would be available. The overflow of irrigation tailings in the nearby field which had been thought to agitate the slide was no longer being continued.

Mr. Stuart suggested that copies of correspondence be forwarded to the Municipal Council of Summerland in order that the Council could ask for appropriate engineering studies before such a development proceeds.

Mayor Thwaite suggested that the Water Board should ask the Municipal Council of Summerland to re-examine the proposed development. The Chairman indicated this could be transmitted to the Council through Mayor Boothe who was in attendance.

Mr. A.R.  
Clarke--  
Letters  
Patent

4. Letters of October 15, 1975 from A.R. Clarke, Senior Administrative Officer, Department of Municipal Affairs.

Enclosed with the letter were copies of Supplementary Letters Patent dated October 3, 1975 together with a copy of the supporting Orders-in-Council No. 3117 and No. 3118 which provide for the amendment of letters patent for the Regional Districts of North Okanagan and Okanagan-Similkameen.

The Secretary-Manager indicated that copies of letters patent for the Regional District of Central Okanagan had not been received likely owing to the mail strike.

Boundary descriptions encompassing the Okanagan Basin within the Letters Patent were extensive. Each Regional District should check these for accuracy.

Mayor Laird asked whether any attempt would be made to have weed eradication included within the new revised letters patent of the Water Board. The Chairman referred to the last meeting of the Water Board where it was decided by resolution not to pursue further amendments to Letters Patent for weed eradication but to use existing Letters Patent for this function. This had been discussed with Mr. Woodward and it appears that existing Letters Patent are adequate for a short term weed eradication program. An application for a further change in Letters Patent at this time could be time consuming.

#### Colclough - Postill

That the Letters Patent be received and filed and the Regional District offices be contacted to check the boundaries.

CARRIED

Applications for Pollution Control Permits

City of  
Armstrong

1. Application by the Corporation of the City of Armstrong to discharge effluent from a Municipal sewage system.

The Secretary-Manager explained that this application was presented to the Board at the last meeting and was tabled for further information. In the meantime, the City of Armstrong has been contacted by the Pollution Control Branch to look for an alternative other than suggested in the application. The Municipal Council of Armstrong has asked consultants to look into alternatives which included tertiary treatment, spray irrigation or subsurface disposal. Without this higher form of treatment, the Director of Pollution Control was not likely to give consideration to the existing application.

Oxley - Postill

That the application for a Pollution Control permit by the City of Armstrong be received and filed and held for further referral.

CARRIED

Mr. & Mrs.  
W. Borszcz

2. Application for an Amendment of a Pollution Control Permit by Mr. & Mrs. W. Borszcz of Lakeshore Road, Kelowna.

The Secretary-Manager explained that the application was merely to update the pollution control permit administratively and to describe the existing works. Both the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan had no objection to the application.

Stuart - Postill

That there be no objection to the application for a Pollution Control Permit by Mr. & Mrs. W. Borszcz.

CARRIED

Other Business

Informa-  
tion  
Meeting  
Aquatic  
Weeds

The Chairman reminded the Board of the information meeting to be held at 7:30 p.m. in the City of Kelowna Council Chambers to deal with general information concerning aquatic weeds throughout the Basin. All Councils and Regional Boards were invited as well as members of the public.

Meeting --  
Technical  
Committee

The Secretary-Manager indicated that the Technical Committee appointed for the Basin-wide weed eradication program had met on October 16th in Vancouver. The Committee had agreed on terms of reference whereby the program would be implemented under Federal, Provincial and local government. The Committee had also tentatively agreed on the type of eradication methods and scheduling. Some preliminary cost figures were also established.

. . .

The Secretary-Manager mentioned that two reports had recently been released concerning local aquatic weed growth. One report entitled "Lake Sediments and Rooted Macrophytes with particular reference to Okanagan Lake", and another entitled "A Summary of Observations on Aquatic Weed Control Methods" were both presented to the Water Board by Dr. Newroth of the B.C. Water Resources Service. These would be available in the Okanagan Basin Water Board Library.

Finance     Mr. Colclough indicated that the City of Penticton and the Regional  
Formula:     District of Okanagan-Similkameen had reviewed the one mill financ-  
ing formula. He felt some concern that Peachland, Summerland and  
other communities were not considered in the formula in the initial  
stages. There appears to be an error in the Penticton calculation  
in determining the formula. When areas are placed under the for-  
mula that have been initially left out for inclusion in the second  
phase, the Valley wide sharing formula becomes just under 2 mills.  
Those communities which will be placing sewage facilities first  
appear to have an advantage.

The Chairman indicated that the Board did not anticipate the full extent of the formula, under the one mill sharing, would be required for several years as communities are only now starting to plan their sewage treatment facilities. Implementation will take at least five years. In the first few years of the formula, the entire sum of one mill would not even be utilized but would be developing interest for use in future years when Municipalities come in line with construction. After a period of years it may be found that as communities enter the formula in the second stage more funds may be required. The Board, in discussing this, had assumed that at that time, if necessary, the maximum amount of the mill rate may have to be increased. Any of the costs due to changing cost factors will not be accurately known until many of the schemes are funded. The Chairman mentioned that it was stated in the "In Committee" minutes of October 9th:

"That the principle be applied that funding under the basin-wide cost sharing formula be available only to community sewerage systems that will contain a high level of nutrient removal in the overall sewage treatment scheme and that funding eligibility be determined at the time the community has received borrowing authority for the proposed works from the Municipal Finance Authority".

Mayor Laird indicated that the Board may have been over zealous in getting the formula approved and may have overlooked some financial considerations.

Mr. Rheume indicated that Alternative No. 1 was accepted as the cost sharing formula. He mentioned that Okanagan Falls Waste Treatment By-law has been read three times and the said by-law could not be approved by the Department of Municipal Affairs pending approval of the basin-wide cost sharing formula. The Department of Municipal Affairs have not approved this formula yet. A re-analysis of the Penticton cost affects the mill rate. The Okanagan Falls referendum would depend upon approval of the formula.

The Chairman indicated that in earlier discussions with the Secretary-Manager, Mr. Woodward has agreed to come and meet with the Board and Regional Administrators to discuss the formula. The Secretary-Manager explained that Peachland, Summerland and all the other communities are not excluded from the Basin-wide cost sharing formula and could opt in at any time. However, the priority

. . .



and emphasis upon the Valley-wide waste treatment was being placed on certain communities where expenditures would do the most good to the Okanagan Lake system in meeting water quality objectives. For this reason certain communities have been indicated to be of a priority nature in achieving nutrient removal. However, in the second stage of implementation, Peachland, Summerland and many other smaller communities would have to implement works and would be assisted under the same Okanagan basin-wide cost sharing formula. When additional communities, other than those in the priority areas, become serviced with sewer systems the Board had anticipated that an increase in the Basin-wide mill rate would be required.

Mayor Laird suggested that the appraisers from the Cities of Kelowna, Vernon and Penticton meet with the Regional District Administrators and Mr. Woodward to discuss the formula. The Chairman indicated he appreciated this matter being brought up at this time and suggested that the Secretary-Manager arrange a meeting with Mr. Woodward and the assessors of the major cities and the administrators of the Regional Districts.

Laird - Postill

That a meeting be arranged with Mr. Woodward and with the assessors of the major cities and with the Administrators of the Regional Districts and that the report on the finance formula as prepared by the City of Penticton be distributed.

CARRIED

1976  
Provi-  
sional  
Budget

The Chairman and Secretary-Manager reviewed the Provisional Budget with the Board. The Chairman indicated that the only real major change was the \$500,000 which would partially go into a reserve fund for sewage facilities; \$100,000 of this would go into a weed eradication program. The Chairman suggested that the Secretary-Manager work with the Finance Director of the Regional District of Central Okanagan in managing the sewage facilities reserve fund.

Salary increases were in accordance with Federal guidelines. Research funds for the 1975 fiscal year were not spent as the Federal Government had reimbursed the Water Board for research on aquatic jetting equipment. The amount budgeted for the aquatic weed eradication and the sewage facilities reserve reflects a levy of one mill based on last years (1975) assessment over the basin. The Secretary-Manager explained that last year's figure would have to be used since it is the only figure available at this time. When assessment figures for 1976 come out it is likely that the levy will be less than one mill to raise the \$500,000 indicated. Aquatic weed harvesting, dredging and jetting were not included in the figures indicated for the 1975 budget since these were not expenses incurred by the Board; however, the bookkeeping was done through the Board office.

Laird - Oxley

That the provisional budget for 1976 be approved and submitted to the Regional Districts for approval.

CARRIED

The Chairman introduced a film dealing with spray irrigation of Municipal effluent entitled "The Living Filter". This film was made available by the City of Vernon and is owned by the City of Vernon and could be made available to any organizations wishing to see it. The Board viewed the film.

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The meeting adjourned at 4:50 p.m.

CERTIFIED A TRUE AND CORRECT COPY

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Chairman

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Secretary-Manager

No Regular Meeting

Held December, 1975

NOTES FROM A MEETING OF THE DIRECTORS OF THE THREE REGIONAL DISTRICTS COMPRISING THE OKANAGAN BASIN WATER BOARD AND THE FINANCE REPRESENTATIVES OF THE CITIES OF PENTICTON, KELOWNA AND VERNON, RE BASIN-WIDE FINANCE FORMULA, DECEMBER 8, 1975, 10:00 a.m. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present

S. Fleming, Chairman, Okanagan Basin Water Board  
C. Dirk, Treasurer, City of Vernon  
P. Mackiewicz, Administrator, R.D.N.O.  
R. Postill, Chairman, R.D.N.O.  
T. Wong, Deputy Treasurer, City of Kelowna  
H. Hall, Treasurer, City of Kelowna  
A. Harrison, Administrator, R.D.C.O.  
R. Haggstrom, Assistant Administrator, R.D.C.O.  
J. Stuart, Chairman, R.D.C.O.  
S. Cornock, Assessor, Appraiser & Land Agent, Penticton  
F. Colclough, Chairman, R.D.O.S.  
W. Parchomchuk, Secretary-Manager, Okanagan Basin Water Board

Basin-  
wide  
Finance  
Formula

Mayor Fleming, Chairman of the Water Board, chaired the meeting.

The Chairman explained some of the past history relative to the establishment of a Basin-wide cost sharing formula. Recently revised Letters Patent of the Water Board provided for the Board to enter into a Basin-wide cost sharing formula for the purpose of sewage treatment. Basin-wide sharing of sewage treatment costs would assist the municipalities in implementing sewage treatment works required as recommendations of the Okanagan Basin Study. The first phase of the sewage treatment program would be basically over the next five year period to conform with the same time period as the Okanagan Basin Agreement. The Board was aware that other areas not shown to be priority areas would require sewage treatment following the five year period. The formula would allow for these communities to enter into Basin-wide cost sharing as well. However, the priority over the first five-year period would be for those communities requiring waste removal from water systems almost immediately. The Chairman indicated there was some concern about the application of the formula in the southern part of the Basin and he hoped that this misunderstanding could be cleared. Since the nature of the formula was mainly technical, he asked the Secretary-Manager to lead the discussion.

The Secretary-Manager indicated that the formula originated from the first recommendation of the Okanagan Basin Study. Since the entire Okanagan Basin would benefit from any waste treatment and improvement in water quality the whole Basin should pay at least a fraction of waste treatment throughout the Basin. Since the Water Board was responsible for implementing this recommendation a formula was established. Costs which were to be incurred by those communities requiring priority sewage treatment within the next five year period were projected and a formula derived. The first five year costs would be dealt with more intensively since this was the period of the implementation agreement.

The formula for Basin-wide cost sharing was explained. Mr. Hall asked how accurate the cost figures were for the 11 priority areas. The Secretary-Manager explained that the cost figures were largely derived from engineering reports. When engineering reports were not available, the best estimates were made. He indicated with changes in cost figures and with additions or deletions in the plans by some communities, these cost figures could vary over a short period. For the purposes of an overall guideline in establishing a formula, these costs were considered adequate.

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Mr. Hall asked if people who are present in the Valley now should have to pay for future projects through a reserve fund.

The Chairman indicated that the Water Board had spent some time considering a reserve fund. He indicated that all the works in the Basin would be a benefit to the entire Basin. In trying to overcome the immense problems of administration, it was decided to leave the amount of the Basin-wide levy at a nominal one mill rather than trying to graduate it over a period of years.

The Secretary-Manager further explained that money to be spent on capital works will be for projects which have been a result of the present population in the Basin up to this time, and therefore it would not be unfair to ask present residents of the Basin to start paying for projects to be used in the near future. Waste loading that has required these projects is based upon present population. The one mill levy is considered nominal and basic.

Mr. Cornock indicated the City of Penticton did not agree with the formula for two reasons: 1) He felt that everyone in the entire Basin should pay into this formula at the start. The three regional districts would be responsible and they would be required to bear their share of the cost. The formula should be on the basis that everyone is either in or out.

Mr. Cornock was assured by the meeting that the basis for establishing the formula in the first instance was so that everyone in the Basin in fact does pay into the formula from the start. This is the basic concept of the formula. The formula clearly indicated that the whole Basin should pay.

2) The second point raised by Mr. Cornock was that the Letters Patent of the Water Board clearly indicate that the Board shall contribute to the cost of constructing or upgrading sewage treatment facilities in accordance with the formula. He indicated that there are three phases to sewage treatment. These included collection, treatment and phosphorous removal. He felt that the Basin-wide costs should deal strictly with sewage facilities and not the entire sewerage works including layout of trunks and laterals. The Secretary-Manager indicated to implement the recommendations as described in the Okanagan Basin Study and to not overly complicate the administrative procedure of allocating funds, that the definition of sewerage works as indicated under Bill 88 should be applied to the Basin-wide formula. This had been mentioned at a previous meeting of the Board.

The Chairman indicated that the Okanagan Basin Water Board had passed a unanimous resolution on August 12, 1975 that Alternative No. 1 be the Basin-wide cost sharing formula. The chairman mentioned that the Okanagan Basin Water Board had further agreed that no Municipality be eligible for Basin-wide cost sharing funds until a high level of nutrient removal was indicated in that community's overall sewage treatment scheme.

Mr. Cornock indicated that when Mayor Laird had voted on the formula he was not clear on exactly what he was voting for. He was not certain how the 10 priority areas fitted into the formula or over how many stages the formula would be applied. He did not understand whether the Finance Formula applied to waste treatment only or to collectors.

The Secretary-Manager explained that merely because there were 11 communities, indicated to be priority communities for waste treatment over the next five year period, this did not preclude any other community from entering the formula if waste treatment was found to be necessary immediately. It was recognized that eventually all communities would come into the formula; however some communities where waste treatment was more urgent would come in sooner. Communities where sewage treatment was not as urgent could wait until the second phase of the formula beginning beyond the next five year period.

Mr. Cornock felt that the funds required in 1976 for the formula should be raised in 1976 and the whole Basin should pay on the basis of the cost required in 1976. He also indicated concern that there was no retroactive provision of the formula. The Secretary-Manager indicated that the formula does have a very strong retroactive consideration in that existing debt of communities is entered into the formula at the same weight as anticipated future debt.

Mr. J. Stuart, Mr. F. Colclough and Mr. R. Postill entered the meeting at 11:05 a.m.

A point by point review was made of Mr. Cornock's concerns expressed in his report of November 5, 1975:

1. Mr. Cornock mentioned that the \$2 million total capital cost for the City of Penticton should be amended to read \$8 million.

The Secretary-Manager indicated a letter of February 6, 1975 had been received from the City of Penticton indicating that the five year projected capital sewer costs would be \$2 million. This was further confirmed on July 31st. He asked Mr. Cornock if perhaps the \$8 million figure was not a ten year projection rather than the five year projection as required for study purposes. Mr. Cornock would explore this.

2. The second point of concern was that the entire Basin should share in the costs.

Mr. Cornock was reassured that the entire Basin was sharing in the cost of the formula and that there was provision for areas such as Summerland, Peachland and Naramata to benefit under the formula as their works were installed.

3. Mr. Cornock felt that the C.M.H.C. forgiveness amount should not be taken off at the lead end of the cost sharing formula, but should enter at the last stage.

It was explained that only net costs to an individual community should be shared on a Basin-wide basis. All of those grants given to individual municipalities under C.M.H.C. and Provincial provisions should be subtracted before a community is eligible. It is only the net financial burden to an individual community that would be of interest to the Board insofar as cost sharing is concerned.

Mr. Cornock indicated that the formula shared total works, not just tertiary treatment facilities. He felt the Penticton Council felt that costs should only reflect tertiary treatment. The Chairman indicated that trunks leading to and from a plant are often the major item in the overall treatment of sewage. No individual community would qualify, however, under the formula until they have indicated that tertiary treatment is part of the scheme. The Secretary-Manager indicated that if tertiary costs only are included this would exclude many of the smaller communities such as Peachland, Summerland, Naramata and Okanagan Falls where the greatest part of their overall sewage treatment scheme involves collection. Before tertiary treatment is possible, it is necessary to collect and treat the effluent to a secondary level.

Mr. Colclough questioned whether the reference to sewage treatment facilities in Letters Patent included trunk lines. The meeting agreed a clear definition of "sewage treatment facilities" should be obtained from the Department of Municipal Affairs. The Secretary-Manager indicated that the formula developed to date used the same definition of sewage works contained under Bill 88. This definition included trunks and collectors. Since the formula is tied to Bill 88, it is simple to adopt the same definition of sewage works as contained in that Bill. This would relieve an administrative load from the Board, since an outside party, namely the Department of Municipal Affairs, would be determining what works would qualify under the Basin-wide formula.



Mr. Stuart indicated that in order to have a clear understanding of the formula we must go back to the early principles upon which the formula was built. Every municipality within the Basin which has a net annual sewage debt of over three mills would enter the cost sharing formula. The formula is patterned after the Provincial Government's Bill 88. This would make it very simple for the Water Board to administer. An outside body would police the formula. The smaller communities would have a very excessive cost if it were not for a Basin-wide sharing formula. The reason the formula was limited to one mill is because this was a very basic cost to the Basin. By stating that it is one mill the figure is immediately known and communities could plan for a fixed one mill levy.

Mr. Colclough wished to know whether the C.M.H.C. definition of sewage treatment works could fit into the formula rather than the Bill 88 definition. The Chairman indicated it would only be important to keep out costs of entering every household. This should be excluded from the formula. Secondary treatment costs should stay in as this is a major consideration for dispersed areas. They are dealing with special conditions.

Mr. Mackiewich indicated that in developing the Basin-wide formula, it was the formula that appeared to have the greatest benefit to the entire Basin. The formula was not looked upon from the viewpoint of any one individual municipality but rather for the benefit of the entire Basin.

Mr. Postill indicated that the Okanagan Basin Water Board now has the authority to levy one mill over the entire Basin for sewage treatment facilities. The Board was presently wasting time trying to make fine irrelevant definitions.

The Secretary-Manager mentioned that if there was still some question as to the definition of sewage collection and disposal facilities for the purposes of the formula, sewage collection and disposal facilities are defined under Bill 88. This definition included all works, structures, lines and conveniences incidental and necessary for the purpose of sewage treatment. The Water Board would simply pay a fraction of that which was paid out under Bill 88. Mr. Mackiewich indicated that Mr. Woodward had strongly advocated that the one mill be levied in 1976 so that a fund could be created as soon as possible. Any details that required settling in the formula could be settled at a later date. For the purposes of the Provisional Budget, all that was required at this point was to know that one mill would be levied upon the Basin.

Mr. Stuart indicated that as far as the Regional District of Central Okanagan was concerned, the funds provided to the Regional District under the formula would be very minimal and the Regional District could withdraw. However, this would defeat the purpose of providing assistance to those communities in the Basin that require sewage treatment to upgrade the quality of the Okanagan mainstem system.

The Chairman indicated that in view of the fact that he felt the representative from the City of Penticton was relating the formula solely to the viewpoint of the City of Penticton, he felt that a full meeting of the Water Board should be called to clarify the situation. Mr. Colclough indicated all that was required at this time was to have assurance the Okanagan Basin Water Board has authority to collect one mill and hold it in reserve. This is all that would be required to approve a Provisional Budget. Mr. Stuart agreed that if it was finally resolved that the Board could raise the one mill in the year 1976 the details could be settled later. All that was required to be known at this time was if the funds could be held. This information would be adequate for the Regional District's to proceed with their Provisional Budget. It was indicated that Mr. Woodward had stated a reserve fund could be held. The Chairman indicated the top priorities now were to be

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certain the definitions in the formula are clear and that a ruling be obtained from Municipal Affairs as to holding of the one mill levy in a fund. A recommendation was made that a newly appointed Water Board deal with the formula as a top priority item early in 1976.

Mr. Stuart indicated that he was not opposed to studying how the formula could be reassessed. He indicated that the thinking at the meeting was relatively close. He suggested that Mr. Woodward be present at a meeting early in 1976 to fully review the formula.

Mr. Harrison, in referring to Section 301 of the Municipal Act indicated that a fund could be established by a Regional District and held in reserve. The same ruling would apply to the Water Board.

The meeting agreed that the Chairman should telephone Mr. Woodward to confirm with him whether or not the Board could establish and hold a reserve in the year 1976 so that the Regional Districts could approve a Provisional Budget on this basis. When a written reply is received from Mr. Woodward the Chairman would forward this reply to the Regional Districts concerned.

Aquatic  
Weed  
Eradica-  
tion  
Program

The Chairman then conferred with the Chairmen of the Regional Districts concerning the start of the aquatic weed eradication program. He indicated that the Provincial Government had indicated by telegram their willingness to provide up to \$100,000 in the eradication program. The Water Board would provide the remaining \$100,000. He mentioned that in order to be on schedule the Secretary-Manager would have to give instructions to fabricators to commence fabricating equipment immediately if it was to be available during the low water operating period. Otherwise a whole year could be lost. The Regional Chairmen agreed that the necessary fabrication required and other necessary arrangements for the weed eradication program be jeopardized. There has been ample indication from the Water Board that the Board is prepared to enter the program contingent on Provincial sharing. This could be further ratified at the next meeting of the Board. In the meantime, what is necessary for the program to be on schedule should be done immediately.

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The meeting adjourned at 12:00 p.m.

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