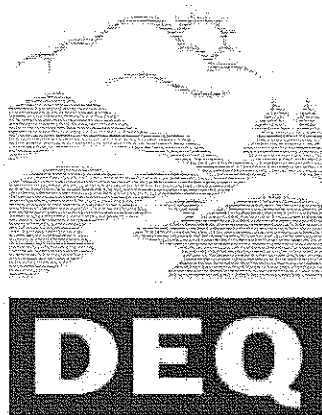


**9/5/1972**

**OREGON  
ENVIRONMENTAL QUALITY  
COMMISSION MEETING  
MATERIALS**



State of Oregon  
**Department of  
Environmental  
Quality**

This file is digitized in **black and white** using Optical Character Recognition (OCR) in a standard PDF format.

Standard PDF Creates PDF files to be printed to desktop printers or digital copiers, published on a CD, or sent to client as publishing proof. This set of options uses compression and downsampling to keep the file size down. However, it also embeds subsets of all (allowed) fonts used in the file, converts all colors to sRGB, and prints to a medium resolution. Window font subsets are not embedded by default. PDF files created with this settings file can be opened in Acrobat and Reader versions 6.0 and later.

AGENDA

Environmental Quality Commission Meeting

September 5, 1972

Arlington High School Gymnasium

Main Street, Arlington, Oregon

4:00 p.m.

- A. City of Arlington Sewerage Program (Status Report)
- B. Ready Mix Sand & Gravel, Milton-Freewater (Authorization for Hearing)
- C. Tri-City - Clackamas County Regional Sewage Facilities Planning  
Loan Application
- D. Tax Credit Applications
- E. Hearings Officer's Report and Consideration for Final Adoption of  
REGULATIONS PERTAINING TO RECORDS; MAINTAINING AND REPORTING  
and AMENDMENTS TO OAR Chapter 340, Section 25-315 PERTAINING  
TO VENEER DRIERS

7:00 p.m.

- F. Public Hearing re: Chem-Nuclear Services, Inc. Application to Establish  
Environmentally Hazardous Waste Disposal Facility

MINUTES OF THE THIRTY-SEVENTH MEETING  
of the  
Oregon Environmental Quality Commission  
September 5, 1972

The thirty-seventh regular meeting of the Oregon Environmental Quality Commission was called to order by the Chairman at 4:00 p.m., Tuesday, September 5, 1972, in the Arlington High School Gymnasium, Main Street, Arlington, Oregon. Members present were B.A. McPhillips, Chairman, Arnold M. Cogan and Storrs S. Waterman. Edward C. Harms, Jr. and George A. McMath were unable to attend because of other commitments.

Participating staff members were L. B. Day, Director, E.J. Weathersbee and K.H. Spies, Deputy Directors; Harold L. Sawyer, Water Quality Control Division Director; Harold M. Patterson, Air Quality Control Division Director; Fred M. Bolton, Field Services Division Director; J.L. Van Domelen, District Engineer; P.H. Wicks, Associate Engineer; and R. Haskins, Legal Counsel.

CITY OF ARLINGTON SEWERAGE PROGRAM

Mr. Van Domelen presented the staff report dated August 24, 1972 which reviewed the present status of the city of Arlington's program for providing secondary sewage treatment and outlined the actions taken by the city since its March 24, 1972 appearance before the Commission.

Mr. Ray English, Attorney, was present to represent the city. He reported that the bonding attorneys, Shuler Rankin Myers Walsh and Ragen, have questioned the legality of the city's present charter adopted in 1960 and therefore at the next meeting of the city council, to be held on September 6, 1972, it is planned to adopt a resolution calling another election on the amended charter and also an election to authorize the sale of bonds in an amount sufficient to finance construction of the required sewage treatment plant improvements and additions. Mr. English said such an election could probably be held about the first week of October. It was pointed out that the final engineering plans and specifications are presently being prepared by the city's consulting engineer but are not yet finished. It was also pointed out that construction should not be unduly delayed by winter conditions. Deadline for completion

of the project is August 1973. In the meantime the city is to submit monthly progress reports to DEQ.

No action on the part of the Commission was considered necessary at this meeting regarding this matter.

READY MIX SAND AND GRAVEL, Milton-Freewater

Mr. Van Domelen reviewed the staff report pertaining to the problem of ground water pollution caused by the operations of the Ready Mix Sand and Gravel plant, owned and operated by Mr. James F. Busch in the Milton-Freewater area. He used a map to show the relative location of the plant and the private wells that have allegedly been affected by it. He stated that ground water pollution in this area has been a problem for many years but that although the same disposal pits employed by the gravel plant have been in use for the past several years it was not until May of this year that complaints were submitted to DEQ about their causing excessive turbidity in the ground water.

Mr. James F. Busch, owner-operator, was present to represent the company. He said he bought the plant in June 1957 and that since that time the same disposal method has been used. Because the wells in question are some 2 to 3 thousand feet away he could not understand how his operations could possibly affect them. He showed some willingness to cooperate but because he had not retained a consultant until August 31, 1972 he was unable to present any kind of a time schedule. He thought that within another 10 days to 2 weeks he would have a time schedule established.

Colonel Lowell J. Swift, an affected property owner, read a prepared statement as spokesman for himself and the other property owners whose wells have allegedly been affected by the gravel company's operations. He could not explain why no complaints had been registered with DEQ until May of this year. He urged EQC to take extraordinary action to restrain operation of the Ready Mix Sand and Gravel Company. He admitted that the wells are fairly shallow, about 60 to 100 feet deep, and that the ground water table is contaminated. He claimed, however, that the well owners would be willing to chlorinate their water supplies if the water were not so turbid.

Mr. Day referred to the report dated August 8, 1972, prepared by the State Engineer's office regarding this matter. He recommended that instead of holding a public hearing as proposed in the staff report a waste discharge

permit be issued to the company requiring rapid solution of the problem in accordance with the recommendations of both the State Engineer and DEQ.

Copies of the staff report presented by Mr. Van Domelen, the statement read by Colonel Swift and the State Engineer's report of August 8, 1972 have been made a part of the Department's permanent files in this matter.

It was MOVED by Mr. Cogan, seconded by Mr. Waterman and carried that a waste discharge permit be issued to the owner of the Ready Mix Sand and Gravel Company of Milton-Freewater incorporating an approvable plan and time schedule and giving top priority to the State Engineer's recommendations.

TRI CITY CLACKAMAS COUNTY REGIONAL SEWAGE FACILITIES PLANNING LOAN APPLICATION

Mr. Bolton presented the Department's report regarding this matter and outlined the need for a regional master sewerage study in the Oregon City, West Linn and Gladstone area of Clackamas County for providing a logical developmental plan for sewage collection and treatment. He said the cost of the study had been estimated at \$55,000.

The Department's report contained the following recommendations of the director that:

1. The Commission authorize the use of \$55,000 of the State Pollution Control Funds for the purpose of preparing a Regional Sewerage Study for the Tri-City-Clackamas County area including the cities of Oregon City, West Linn and Gladstone as outlined in a loan application submitted to the Department.
2. The Department present the loan application in the amount of \$55,000 to the State Emergency Board for funding at the earliest possible time.

The application for a loan of \$55,000 for this purpose had been submitted by the city of Oregon City in behalf of the County of Clackamas and the other two cities. It included a discussion of the need for a regional sewerage plan, a map of the proposed study area, a proposed loan agreement which had been reviewed and approved by the Attorney General's office, an outline of the engineering work program, a proposed financial work program prepared by Bartle Wells Associates, Municipal Financing Consultants, a provision for establishing an advisory committee, and appropriate agreements and resolutions by and between the County of Clackamas and the cities of Oregon City, West Linn and Gladstone.

After a brief discussion of the reason for the loan applications being submitted by Oregon City it was MOVED by Mr. Waterman, seconded by Mr. Cogan and carried that the Director's two recommendations in this matter regarding a loan of \$55,000 from the State Pollution Control Funds be approved.

TAX CREDIT APPLICATIONS

Mr. Sawyer presented the Department's evaluations and recommendations regarding the 7 tax credit applications covered by the following motion.

It was MOVED by Mr. Cogan, seconded by Mr. Waterman and carried that Pollution Control Facility Tax Credit Certificates be issued to the following applicants for facilities claimed in the respective tax applications and for the claimed costs with 80% or more of said costs being allocated to pollution control as follows:

| <u>Appl. No.</u> | <u>Applicant</u>                    | <u>Claimed Cost</u> |
|------------------|-------------------------------------|---------------------|
| T-327            | Oregon Portland Cement, Lake Oswego | \$11,477.18         |
| T-329            | Hervin Co., Tualatin                | 20,603.51           |
| T-331            | Hudspeth Pine, Prineville           | 250,400.04          |
| T-337            | Fir-Ply, Inc., White City           | 32,257.85           |
| T-340            | Brooks Willamette, Redmond          | 31,241.10           |
| T-379            | 3-G Lumber Co., Philomath           | 23,780.14           |
| T-359            | Western Kraft, Albany               | 5,405,274.59        |

Mr. Carl Haladin was present to represent Western Kraft.

REGULATIONS PERTAINING TO RECORDS; MAINTAINING AND REPORTING, AND TO AMENDMENTS TO OAR Chapter 340, Section 25-315(d) PERTAINING TO VENEER DRIERS

Mr. Patterson presented the reports of Mr. L.B. Day, Hearing Officer, covering the two public hearings held on August 16, 1972 in the DEQ Conference Room, 1234 S.W. Morrison Street, Portland, Oregon, regarding (a) Proposed Regulations Pertaining to Records; Maintaining and Reporting, and (b) Proposed Modification to OAR Chapter 340, Section 25-315(d), Veneer and Plywood Manufacturing.

The Hearing Officer in both cases recommended that the proposals be approved by the EQC.

It was MOVED by Mr. Waterman, seconded by Mr. Cogan and carried that as recommended by the Hearing Officer the proposed modification to OAR Chapter 340, Section 25-315(d) pertaining to Veneer and Plywood Manufacturing be approved.

It was MOVED by Mr. Cogan, seconded by Mr. Waterman and carried that the recommendation of the Hearing Officer regarding the proposed regulations pertaining to Records; Maintenance and Reporting be approved.

Copies of the above modification and regulations as approved are attached to and made a part of these minutes.

CITY OF SALEM - COLLEGE HEIGHTS ANNEXATION

Mr. Day reported that procedures for annexation of the College Heights area have been initiated by the city of Salem pursuant to ORS 222.860, that the State Health Division has documented the existence in the area of a health hazard caused by lack of adequate sewerage facilities, that the city of Salem has prepared preliminary plans and specifications and has submitted a timetable for construction of city sewers in the area which will eliminate the health hazard and that the said plans and specifications were approved by DEQ on March 13, 1972.

He recommended that the actions of DEQ in this matter be approved by the EQC and that certification of such approval be conveyed to the Division of Health as required by ORS 222.865.

It was MOVED by Chairman McPhillips, seconded by Mr. Waterman and carried that the Director's recommendation in this matter be approved.

CITY OF TUALATIN PLANS FOR SEWAGE TREATMENT PLANT EXPANSION

Mr. Day advised the Commission that the city of Tualatin has need to expand the capacity of its present advanced waste treatment works to handle the expected city growth until connection to the USA regional sewage treatment plant can be made and also to improve the efficiency of the present plant. He said the Unified Sewerage Agency has approved construction of the interim facilities and since the proposal is compatible with EQC policy he recommended that the Commission give its ratifying approval.

It was MOVED by Chairman McPhillips, seconded by Mr. Waterman and carried that the Director's recommendation in this matter be approved.

There being no further business the meeting was recessed until 7:15 p.m. when the public hearing in the matter of Chem-Nuclear Services, Inc. was held.

PUBLIC HEARING RE: CHEM-NUCLEAR SERVICES, INC., APPLICATION TO ESTABLISH ENVIRONMENTALLY HAZARDOUS WASTE DISPOSAL FACILITY

Proper notice having been given as required by statute and administrative rules the public hearing in the matter of the Chem-Nuclear Services, Inc., application to establish an Environmentally Hazardous Waste Disposal Facility in Gilliam County was called to order by the Chairman at 7:15 p.m. on Tuesday, September 5, 1972, in the Arlington High School Gymnasium, Main Street, Arlington, Oregon. Members present were B.A. McPhillips, Chairman, Arnold M. Cogan and Storrs S. Waterman.

The hearing was tape recorded and a transcript of the testimony or statements presented has been made.

The following is a brief summary of the hearing.

Mr. Wicks read the staff report which contained a review of the provisions and requirements of ORS 459.410 - 690 pertaining to environmentally hazardous wastes, a discussion of the purpose and format of this hearing, a statement regarding the processing of the application submitted by Chem-Nuclear, and a recommendation that following the receipt of testimony at this hearing the record be kept open for another 30 days to allow time for interested parties to submit additional written statements.

Following presentation of the staff report Mr. Wicks referred to a letter dated August 22, 1972 from Mr. Jerald F. Holzapfel, resident of Willows, California, and owner of property adjacent to the proposed Gilliam County site. In his letter Mr. Holzapfel requested that the hearing be delayed for six months to allow him time to retain "competent scientists to properly present the side of the people" in this matter.

The Commission members asked no questions of Mr. Wicks and made no comments relative to his statement or the letter from Mr. Holzapfel.

Dr. Gary Farmer, Manager of Western Operations for Chem-Nuclear Services, was the next person to make a statement. He said that under a license from the State Health Division they have been storing wastes at the site in question for the past two years, that they have had detailed studies made of the geology of the area and that based on those studies they consider it to be an excellent site. He then introduced Dr. Robert E. Bergstrom, Consulting Geologist with the Illinois State Geological Survey, and Mr. Rubin C. Newcomb, Consulting Geologist



and formerly with the U.S. Geological Survey, both of whom have made detailed studies of the Gilliam County site for Chem-Nuclear.

Dr. Bergstrom and Mr. Newcomb, in turn, discussed the geological features of the area and explained why from that standpoint the site can be considered as most acceptable for the disposal of environmentally hazardous wastes.

Dr. Farmer then used maps of the area to show the location, physical features and proposed development of the site. He answered several questions raised by the Commission members.

Following the conclusion of the statements by the company representatives Mr. Day read letters which had been received from Evelyn Sutton of 17126 S.E. Pagoda Court, Portland, Oregon, Mrs. Helen W. Doane of 6 Parke Terrace Apts., Chehalis, Washington, and Fielding Weatherford of 11000 S.E. Stephens, Portland, Oregon, all opposing the proposed project. A fourth letter approving the site was received at the hearing from Kenneth Walters of Arlington, Chairman of the Gilliam County Planning Commission.

Mr. James O. Burns, Gilliam County Judge, read a letter dated August 31, 1972 which stated that the Gilliam County Court favors approval of Chem-Nuclear's application for a license to operate the proposed disposal site.

Mr. Nick Welp, a rancher who lives some 10 miles southwest of the site, spoke in opposition to the proposed project on the grounds that it would have adverse effects on land values.

Mr. Keith Skelton, Attorney and member of the Oregon Legislature, made a statement in behalf of the Oregon Environmental Council. He questioned the financial stability or reliability of the applicant and stated that this is a paramount matter that should be thoroughly analyzed and considered before any license is issued. He said that "because of the terrible responsibility placed upon the Department by the Legislature," if there are any questions whatsoever about the qualifications of the applicant or about the basic policy of placing operational duties in the hands of private individuals when the State is being asked to underwrite them, the issuance of this license should be held in abeyance until these problems are solved at the next session of the legislature which is only about 6 months away.

Mr. Fred M. Weatherford, Arlington, Oregon, read a prepared statement which he claimed was in behalf of more than 90 percent of the rural residents of voting age of north Gilliam County. He spoke strongly in opposition to the project and asked for an overwhelming vote to stop it "cold". He presented what he labeled as twenty-two reasons for the disapproval of the license application.

Mr. Herb Holzapfel, local rancher with property adjacent to the proposed site, claimed there are water resources fairly close that were not mentioned by the geologists and he asked that this aspect be rechecked.

Mr. Ron Davis, another resident of the area with property some 5 miles southwest of the site, expressed grave concern about the possible adverse effect of the project on present land use. He also expressed concern about the safety of his private water supply which comes from a spring.

There was no one else present who wished to be heard in this matter.

Mr. Day directed questions to the applicant's representatives regarding (1) financial reliability, (2) location of ground waters in the area and (3) disposal of wastes from out-of-state sources.

Mr. John Mosser, attorney answered questions one and three. He said they probably would be accepting some wastes from out-of-state.

Mr. Newcomb commented on question No. 2.

In response to a question by Mr. Cogan, Dr. Farmer stated that initially they would have from 4 to 8 employees and that ultimately they might increase to 16 to 25 employees.

Mr. Bruce Johnson, President of Chem-Nuclear, indicated their investment would probably be between \$300,000 and \$600,000.

There being no further questions or statement in this matter it was MOVED by Mr. Cogan, seconded by Mr. Waterman and carried that the record be kept open for another 30 days to allow time for interested persons to submit additional written statements and that after full review of all testimony and comments the Department submit a report and recommendations regarding Chem-Nuclear's license application for the Commission's consideration and possible action at the regular Commission meeting in November.

The Chairman then thanked everyone present for attending and adjourned the hearing and meeting at 9:25 p.m.

PROPOSED REGULATIONS PERTAINING TO  
"RECORDS; MAINTAINING AND REPORTING."

These regulations are to be made a part of OAR, Chapter 340,  
Division \_\_\_\_\_, Subdivision \_\_\_\_\_.

"RECORDS; MAINTAINING AND REPORT (1) Upon notification from the Director of the Department of Environmental Quality, all persons owning or operating a stationary air contaminant source within the State shall commence to keep and maintain written records of the nature, type and amounts of emissions from such source and other information as may be required by the Director to determine whether such is in compliance with applicable emission rules, limitations or other control measures.

(2) The records shall be prepared in the form of a report and submitted to the Department of Environmental Quality on a semi-annual basis commencing with the first full semi-annual period after the Director's notification to such persons owning or operating a stationary air contaminant source of these record-keeping requirements. Except as may be otherwise provided by rule, semi-annual periods are January 1, June 30 and July 1, December 31.

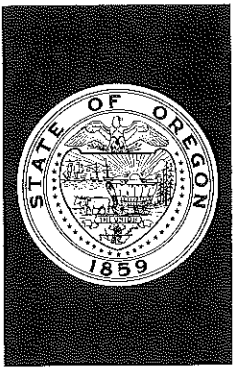
(3) The reports required by this rule shall be completed on forms approved by the Department of Environmental Quality and shall be submitted within 30 days after the end of each reporting period."

PROPOSED MODIFICATION PERTAINING TO VENEER DRIERS,  
AMENDS OAR Chapter 340, Section 25-315

"Section 25-315 - (d) No later than September 30, 1972, every person operating a veneer drier shall submit to the Department of Environmental Quality, a specific proposal for complying with this subsection, and by no later than (March 30, 1973) December 31, 1972, a specific detailed schedule of compliance. The schedule shall provide for compliance with the applicable provisions at the earliest practicable date, consistent with local air quality conditions and the difficulty and complexity of compliance, and shall employ the highest and best practicable treatment and control. In no case shall final compliance be achieved by later than December 31, 1974."

( ) Words deleted

\_\_\_\_ Words added



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

### ENVIRONMENTAL QUALITY COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

### MEMORANDUM

To: Environmental Quality Commission  
From: Director  
Subject: Agenda Item No. A, September 5, 1972, EQC Meeting  
Arlington, Sewage Treatment Plant Improvements

### Background

The city appeared at the March 24, 1972 meeting of the Commission in Portland where the progress toward upgrading its existing primary treatment plant was discussed. The city had been unable to progress satisfactorily in meeting the July 1, 1972 completion date. The following schedule was agreed upon by the Commission and the city for providing the necessary secondary treatment facilities:

|                            |                                  |
|----------------------------|----------------------------------|
| Prior to September 1, 1972 | Complete final engineering plans |
| Prior to November 1, 1972  | Start construction               |
| Prior to August 1, 1973    | Complete construction            |

As a result a modified waste discharge permit has been issued incorporating these revised dates.

A preliminary engineering study was to be made concerning the feasibility of pumping all the city's sewage to a lagoon site above the town and thereby withhold all discharge from the Columbia River.

As part of the Director's recommendation, the city would be required to submit monthly progress reports to the Department demonstrating progress toward fully meeting the stated time schedule. This has been done.

Evaluation

The city completed a report entitled "Summary of the Economic and Engineering Feasibility of a Domestic Wastewater Stabilization Pond for Arlington, Oregon" dated April 18, 1972. This was immediately transmitted to the Department.

At its May meeting the City Council agreed to request the Department of Environmental Quality to examine this report and give its approval. The Department reviewed the report very thoroughly during May and responded by letter on June 5. Also, staff members attended the June City Council Meeting to discuss the situation with the council.

As a result of this discussion a special council meeting was held on June 14 at which time it was decided to not construct the lagoon but rather to construct an addition to the existing primary treatment plant using the activated sludge process. Also, the city attorney was directed to arrange for a bond election.

The council met in special session again on July 12 at which time it was decided that debt repayment would be split between revenue and ad valorem tax. Work was underway on final design. An ordinance authorizing a bond election was anticipated at its August meeting.

The Department had increasing concern during July about the slippage in the time schedule that was occurring so it was pointed out to the city by letter on August 1 that certain actions would have to occur to stay on schedule. These were:

By September Council Meeting - Authorize the advertisement for construction bids.

By November Council Meeting - Award a construction contract.

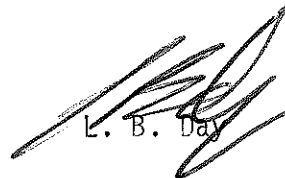
Department staff were invited to the August City Council meeting to discuss these dates with the council. There was agreement that the above dates would have to be slipped ahead by one month but that the date for final completion of sewage treatment plant improvements probably would not have to be changed. A request for a change in interim dates was to be sent to the department by the city.

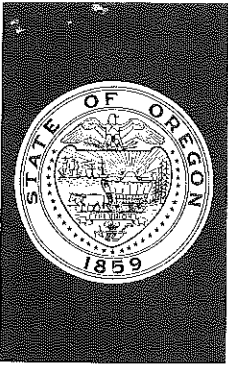
A recent letter from the city attorney, Mr. Ray English, states that the city must have an election and this will be authorized at the city's September council meeting. It was found by the bonding attorneys that the city's amended charter will have to be submitted to the voters for approval including the authorization to sell bonds. There appears to be no proof whether the city's amended charter or its original charter is valid.

#### Recommendations

The Director has no particular recommendation for action by the Commission at this time. We should hear from the city at this time and get confirmation on at least the following items:

1. That authorization for the needed election on an amended city charter can be obtained at the September council meeting, and
2. That authorization for the advertisement for construction bids can be obtained by the October council meeting.

  
L. B. Day



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

### MEMORANDUM

TO: Environmental Quality Commission  
FROM: Director  
SUBJECT: Agenda Item B, EQC Meeting, September 5, 1972  
Readymix Sand and Gravel, Milton Freewater

### INTRODUCTION

This matter is being brought before the Commission today because of the emergency situation which has developed in the north Milton Freewater area due to the waste water disposal of Readymix Sand and Gravel.

### BACKGROUND

1. The company operates a plant specializing in ready-mix concrete, gravel products and hot mix asphalt. The plant is located on the north side of Milton Freewater in Umatilla County. It is bordered by Oregon Highway No. 11 on the west and the Walla Walla River on the east. The company employes about 30 persons. Gravel washwater from the plant is disposed of immediately north of the plant in old gravel pits beside the Walla Walla River.
2. On about May 30 of this year a group of home owners - immediately north and downstream from disposal pits



made complaints to the Department about turbid and colored water from their domestic water wells. Some of these wells progressively cleared but sampling on July 19 and 20 by the Department showed that turbidities in five wells still ranged from 16 to 120 Jackson Turbidity Units (JTU). Drinking water acceptable maximum turbidity is 5 JTU's.

3. The staff of the Department in letters and by field contact on July 20, 1972 requested the company to submit an application for a waste discharge permit. It was the intent that the application would be submitted with proposed alternatives for treatment and control of the waste waters. No alternatives were presented.
4. On August 4 the plant had a mechanical breakdown and ceased gravel washing and waste water disposal. Operations were resumed on August 21. On this same day six of the most severely turbid wells were sampled again. While turbidity tests were not immediately run, each sample appeared clear and aesthetically acceptable for drinking.

#### EVALUATION

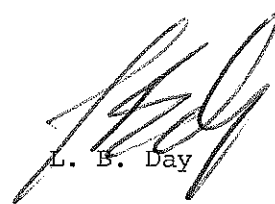
1. Ground waters are a resource that comes under our jurisdiction since they are legally defined as waters of the State and therefore require protection from contamination.
2. There is substantial evidence from the field evaluations that the plant is a contributor to the well turbidities of its neighbors.

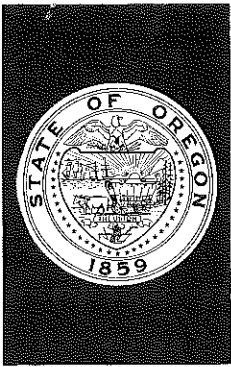
Conclusions

1. Ground water is being affected by the waste disposal operation of Readymix Sand and Gravel in Milton Freewater.
2. The company has not presented any alternatives or time table for correction of the water pollution problem.

Director's Recommendations

It is the director's recommendation that a hearing be held and Readymix Sand and Gravel Company Incorporated be requested to appear and show cause why an order should not be entered directing the company to abate pollution of the water of the State by a specific time, said hearing to be scheduled by the Director unless Readymix Sand and Gravel Company Incorporated submits within a reasonable time an approvable plan and time schedule for resolving this problem in a satisfactory manner.

  
L. B. Day



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

### MEMORANDUM

TO: ENVIRONMENTAL QUALITY COMMISSION  
FROM: Director  
SUBJECT: Agenda Item No. C, September 5, 1972, EQC Meeting

#### Loan Application, Tri City-County Regional Sewage Facilities

#### Background

1. Increasing development in the Oregon City, West Linn, Gladstone and surrounding area is resulting in rapid population growth. To adequately protect the Environment, sewage collection and treatment must coordinately be expanded in line with a regional plan to meet anticipated waste loads.
2. The existing treatment facility serving Oregon City and Gladstone and one of two West Linn facilities is presently loaded to near capacity and major design modifications are necessary. These modifications must be performed in an orderly manner as part of an overall regional master sewerage plan.
3. Unincorporated areas located adjacent to these communities must also be served by expanded collection systems to eliminate existing and potential health hazards and provide orderly planned growth for the area.
4. This dictates the need for a regional master sewerage study in the Oregon City, West Linn, and Gladstone area to provide a logical developmental plan for sewage collection and treatment.

5. Past studies for this area include:
  - a. CRAG Sewerage Plan, Columbia Region Association of Governments, 1969.
  - b. Tualatin Basin; Water & Sewerage Master Plan, Stevens, Thompson & Runyan, 1969.
  - c. City of Oregon City and Environs: Engineering Feasibility Study, Sanitary Sewer System Stevens, Thompson & Runyan, Inc.
  - d. City of West Linn; A Preliminary Study of Sewage Collection and Treatment Facilities. Cornell, Howland, Hayes & Merryfield, 1969.

These reports concern specific parts of the area and provide guidance with regard to sewerage needs. However, the local study projects were not concerned with the entire problem area and the development of a total encompassing master sewerage plan. The CRAG plan did propose regional solution to sewage collection and treatment.

6. To develop this Regional Sewerage Plan the cities of Oregon City, West Linn, Gladstone and Clackamas County have submitted an application to this Department for a loan from the State of Oregon as provided for in ORS 449.455 and ORS 449.685(1)(e).

#### Evaluation

1. A regional sewerage study for the cities of Oregon City, West Linn and Gladstone, and adjacent Clackamas County area is definitely needed.
2. Local funds for financing this study are not available. The only other source of funds is to obtain a planning loan from the state of Oregon. The Department has a letter from the Department of Justice dated August 15, 1972 which states that the Environmental Quality Commission is authorized to use State Pollution Control Bond Funds for, among other purposes, the making of a loan to a city

or regional authority for the planning of construction of sewage treatment works. However, the Legislature authorized the expenditure of only \$1 from this fund for the purpose of sewage works planning and the State Emergency Board must approve a special budget for the Department in order to make the subject loan. The regional agencies within the study area have prepared the enclosed loan application for a Tri City-County Regional Sewerage Study, which includes the following material:

- a. Introduction as to need for the regional study.
- b. Memorandum from the Clackamas County Planning Commission regarding developmental pressures in the study area and current sewage disposal problems.
- c. Letter from the Clackamas County Health Department indicating the immediate need to provide regional sewerage collection in the study area.
- d. Map showing proposed study area.
- e. Copy of a proposed loan agreement between Department of Environmental Quality and the City of Oregon City indicating terms of study loan and repayment possibilities. (It should be emphasized that if the study as developed is not implemented within a specific time the loan funds will be repayed to the Department of Environmental Quality, together with accrued interest at the rate of five percent (5%) per annum. If the project is implemented, the loan funds would be subtracted from any state sewage works construction grants for which the project would be eligible.)
- f. A copy of a letter from the Department of Environmental Quality to the city of Oregon City, outlining the repayment procedures if the study is implemented.

- g. An engineering work program developed by the consulting firm of Stevens, Thompson and Runyan indicating the proposed work schedule. Note that the report is scheduled to be completed within 8 months after the authorization to begin. Projected engineering costs are outlined as to man days and hourly labor rates. Total engineering fees with reports amount to \$35,000.
  - h. A proposal for developing a financing plan by Bartle Wells Associates. Estimated costs for preparation of the sewerage financing plan amount to \$20,000.
  - i. A responsibility agreement between the regional agencies and the city of Oregon City.
  - j. Resolutions of support of the regional sewerage study by the following entities:
    - 1. Oregon City
    - 2. West Linn
    - 3. Gladstone
    - 4. Clackamas County
    - 5. Columbia Region Association of Governments
  - k. Land use map of the area.
  - l. A proposal for the establishment of an advisory committee to monitor the study and plan for implementation. Appropriate members are suggested.
3. The staff of the Department of Environmental Quality has reviewed the above application and the following facts are noted:
- a. The need for the regional sewerage study is adequately substantiated.
  - b. The loan agreement has been reviewed by the Department of Justice and is considered adequate.

- c. The projected costs for the engineering report and financing report are considered adequate and reasonable.
- d. The Regional Agency Responsibility Agreement adequately provides authority for the city of Oregon City to direct the development of the study and receive financial assistance for the preparation costs.
- e. The Resolutions of Support indicates that all involved parties recognize the need for the study and support its development. CRAG specifically urges the state of Oregon to appropriate funds for the regional study.

#### Conclusion

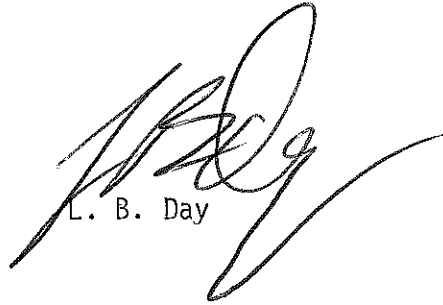
1. A Regional Sewerage Study is needed.
2. The loan application submitted by the Regional Agencies of the cities of Oregon City, West Linn, Gladstone and Clackamas County is considered complete and acceptable. (Total estimated costs for the study preparation total \$55,000.)
3. The Environmental Quality Commission has the authority to authorize the use of the State Pollution Control Funds for the purpose of funding the regional study. (Actual disbursement of funds must be approved by the State of Oregon Emergency Board.)

#### Recommendations

Therefore, it is the recommendation of the Director that:

1. The Commission authorize the use of \$55,000 of the State Pollution Control Funds for the purpose of preparing a Regional Sewerage Study for the Tri-City-Clackamas County area including the cities of Oregon City, West Linn and Gladstone as outlined in a loan application submitted to the Department.

2. The Department present the loan application in the amount of \$55,000 to the State Emergency Board for funding at the earliest possible time.



L. B. Day

Attachment:



LEE JOHNSON  
ATTORNEY GENERAL

JAMES W. DURHAM, JR.  
DEPUTY ATTORNEY GENERAL



DEPARTMENT OF JUSTICE  
STATE OFFICE BUILDING  
PORTLAND, OREGON 97201  
TELEPHONE: (503) 229-5725

August 15, 1972

PORTLAND OFFICE

RAYMOND P. UNDERWOOD  
CHIEF COUNSEL

LEONARD W. PEARLMAN      ARNOLD B. SILVER  
   THOMAS N. TROTTA  
ASSISTANT ATTORNEYS GENERAL AND COUNSEL

ROBERT L. HASKINS      VICTOR LEVY  
CLAYTON R. HESS      ALBERT L. MENASHE  
KENNETH L. KLEINSMITH      ALLEN G. OWEN  
   THOMAS E. TWIST  
ASSISTANT ATTORNEYS GENERAL

VIRGIL D. MILLS  
REGISTRAR OF CHARITABLE TRUSTS

Mr. L. B. Day, Director  
Department of Environmental Quality  
Terminal Sales Building  
1234 S. W. Morrison, Room 106-R  
Portland, Oregon 97205

Re: Tri-City-Clackamas County Regional Sewage Study

Dear L. B.:

In response to your August 1, 1972 letter, I have revised the proposed form of loan agreement between the Department and Oregon City. I am enclosing two execution copies of the proposed revised form of loan agreement. I am also enclosing another copy of the proposed revised agreement, which has been marked to indicate the revisions which I am suggesting.

Also, in your August 1 letter, you requested a statement indicating the Commission's authority and the Emergency Board's authority to grant loan funds in response to this specific proposal. Therefore, please be advised that the Environmental Quality Commission is authorized to use the Pollution Control Fund for, among other purposes, the making of a loan to a city for the planning of construction of sewage treatment works within the requirements of ORS 449.455. ORS 449.685(1)(e). However, in section 3, chapter 551, Oregon Laws 1971, the Legislature authorized the expenditure of only \$1 from this fund (derived from the sale of no more than \$100,000,000 par value of Pollution Control Bonds) for loans or grants for such planning purpose.

The Emergency Board has authority, during the interim between sessions of the Legislative Assembly, to approve a budget for a new activity coming into existence at such a time as to preclude the possibility of submitting a budget to the Legislative Assembly for approval. ORS 291.326(1)(c). Consequently

Mr. L. B. Day

- 2 -

August 15, 1972

the Emergency Board, upon proper application being made to it by the Department, may authorize a special budget for the Department to make the subject loan for the purpose of planning the regional sewage collection and treatment system for the Tri-City-Clackamas County area.

Please let me know if we can be of further assistance in this matter.

Sincerely,

LEE JOHNSON  
Attorney General

A handwritten signature in black ink that reads "Raymond P. Underwood". The signature is written in a cursive style with a large, sweeping initial "R".

Raymond P. Underwood  
Chief Counsel  
Portland Office

RPU:mh

Enclosures

LOAN APPLICATION

TRI CITY - COUNTY

REGIONAL SEWAGE FACILITIES

I N D E X

|   | <u>Page</u> |
|---|-------------|
| I NEED FOR A REGIONAL SEWAGE SYSTEM:          | 1           |
| A. Narrative                                  | 2           |
| B. Statement of County Planning Commission    | 4           |
| C. Statement of County Health Department      | 6           |
| D. Study Area Map                             | 7           |
| II LOAN AGREEMENT                             | 8           |
| III ENGINEERING WORK PROGRAM                  | 12          |
| IV FINANCIAL WORK PROGRAM                     | 18          |
| V APPENDIX:                                   | 23          |
| A. Tri City - County Responsibility Agreement | 24          |
| B. Resolutions of Support:                    |             |
| Oregon City                                   | 27          |
| West Linn                                     | 30          |
| Gladstone                                     | 32          |
| Clackamas                                     | 34          |
| CRAG  | 35          |
| C. Land Use Map                               | 37          |
| D. Advisory Committee                         | 38          |

I NEED FOR A REGIONAL SEWAGE SYSTEM

TRI-CITY--COUNTY REGIONAL SEWAGE FACILITIES

There is a need for upgrading sewage facilities in the Oregon City, West Linn, Gladstone and the surrounding unincorporated areas. Oregon City and West Linn are presently faced with expanding their treatment facilities in order to meet present day standards. Much of the unincorporated areas bordering these communities must be sewerred if we are to maintain a clean environment and encourage orderly growth. Documentation of the need for sewers in these areas can be found in the attached letters from the Clackamas County Health Department and the Planning Department.

C.R.A.G. completed an over-all master plan for sewage facilities in the Portland-Vancouver Metropolitan area approximately three years ago and this plan has been adopted as a master plan by most local units of government. This plan shows that the Bolton plant will reach its capacity by 1977. At that time, C.R.A.G. has recommended that a study be undertaken to determine the feasibility of shifting the load from the Bolton plant to an Oregon City-Gladstone plant. West Linn's growth has surpassed that projected by C.R.A.G. and the need to make the feasibility study is upon us.

The C.R.A.G. plan recognizes the need for the expansion of West Linn's Willamette plant. At the present time the plant has the capacity to serve those hooked into it. However, strong consideration is being given at this time to provide sewage facilities for the lower reach of the Tualatin River. The C.R.A.G. plan indicates that this area should be treated by the Willamette plant.

The Oregon City plant was constructed as a primary plant in 1953 and enlarged to secondary treatment in 1961, with a capacity of 3.5 MGD. The C.R.A.G. plan points out that the average flow in dry weather is 2.0 MGD, while winter flows exceed 4.0 MGD and occasionally peak loads are bypassed directly to the

Willamette. The C.R.A.G. plan recognizes the immediate need of expanding the Oregon City plant.

Stevens-Thompson & Runyan in the study they undertook for the United Sewerage Agency, looked at the entire drainage basin of the Tualatin River. Their study in part, states as follows:

"The existing Willamette plant presently serves a portion of West Linn. This plant which will serve the Willamette Service Area has a design capacity of 0.25 MGD. Projections indicate that by 1975 the equivalent connected population will be 2,100, which is the design capacity of the sewage treatment plant. At this time it is proposed that the plant be replaced with a 1.0 MGD activated sludge sewage treatment plant which would give better treatment efficiencies than the existing trickling filter plant."

Stevens-Thompson & Runyan completed a sewage report for the City of Oregon City in January of 1971. This report pointed out the following factors:

1. Growth in much of the study area has been continuously increasing and continued development is anticipated with population projected to increase from approximately 12,000 at present to 29,000 by the year 2000.
2. The present flow conditions at the sewage treatment plant indicate that the existing facilities are at or near their design capacity.

In addition, the report recommended the following:

1. The City consider undertaking immediately a feasibility study to determine all economic justification of providing a regional type sewage treatment facility.
2. Expansion of the sewage treatment facility should be scheduled for completion no later than the fall of 1973.
3. The City adopt a comprehensive financial program prepared by a financial consultant taking full advantage of assistance through available grants and loans.

As can be seen by the preceding, much has been accomplished in the way of studies for the area. The problem arises from the fact that none of the studies, with the exception of the C.R.A.G. plan, has addressed itself to the regional approach. Planning funds are now needed to tie the studies to an over-all regional plan so that the needed facilities to serve the area can be constructed.

MEMORANDUM

DATE: July 8, 1972  
TO: John McIntyre  
FROM: James E. Hall  
SUBJECT: Growth within a portion of the County

Dear John:

This letter is in response to your inquiry regarding the growth of that portion of Clackamas County illustrated on the attached map. If I understand your inquiry correctly, you are interested in population figures, number of subdivisions, and number of building permits. As you will see, the figures represented are for different time spans in one instance. It is also my understanding that you are interested in the acceptability of the inherent soil in this area for the use of sub-surface sewerage disposal.

Population

This portion of Clackamas County had an increase of population from approximately 23,100 to 32,400 persons between 1960 and 1970. This is a total increase of 9,300 persons, or a 40% increase in 10 years. Since 1970, the development in this portion of the county has accelerated. Calculating the growth it is estimated that in the past two years this area has increased its population by an average of 4.6% per year making a total percentage growth of 9.2%. This means that the present population is estimated at 35,000 persons.

Subdivisions

In the past few years, this portion of the County has had 395 new subdivisions. Within these subdivisions there were 12,035 new single family lots created. It is realized that not all of these have developed, but there is eminent potential for their development. It is not known exactly what percentage are constructed upon, but it is probably less than 25 percent at this time. The reason for this is due to construction lags and the fact that the majority of the lots were created in the past two years.



Mr. McIntyre  
Page 2

Building Permits

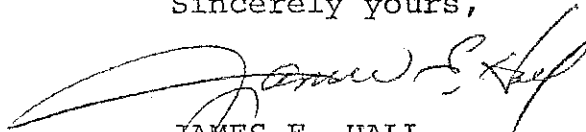
It is very difficult to quantify the number of building permits in this specific area for any given time span without considerable research. If this information is needed in specific numbers, it can be drawn out at a later date. However, as can be seen from the previous information the growth is quite significant.

Soils

In parts of the study area, the soils are such that they will not readily accept, if at all, sub-surface sewerage disposal installations. I have submitted examples of some of Dr. William H. Doak's reports regarding the soils in specific subdivision requests. Dr. Doak is an employee of the Planning Department. I believe that these reports speak for themselves and it becomes very obvious that sewers are needed in this area to serve not only the present population which is using sub-surface sewerage disposal systems, but also the platted lots which are not built upon. Considering the location of these areas in reference to the total metropolitan area these are the areas that should be developed for living purposes and should be totally served by sanitary sewers.

I hope this serves your need.

Sincerely yours,



JAMES E. HALL  
Planning Director

JEH:vs

# COUNTY OF CLACKAMAS

## HEALTH DEPARTMENT

OREGON CITY, OREGON 97045



July 11, 1972

Mr. John McIntyre, Director  
Public Works Department  
902 Abernethy Road  
Oregon City, Oregon 97045

RE: An area 100 square miles, plus  
adjacent to the Cities of Oregon  
City & Gladstone on the east,  
West Linn & Lake Oswego on the south

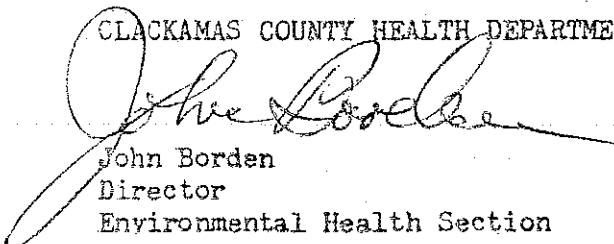
Dear Sir:

The need for sewage collection and treatment in the above region is immediate. Subdivisions have been created in these areas where soils preclude their unaffected use; where failures will occur and are occurring. Roadsides and natural drainages are showing the effect of lateral seep from septic tank discharges.

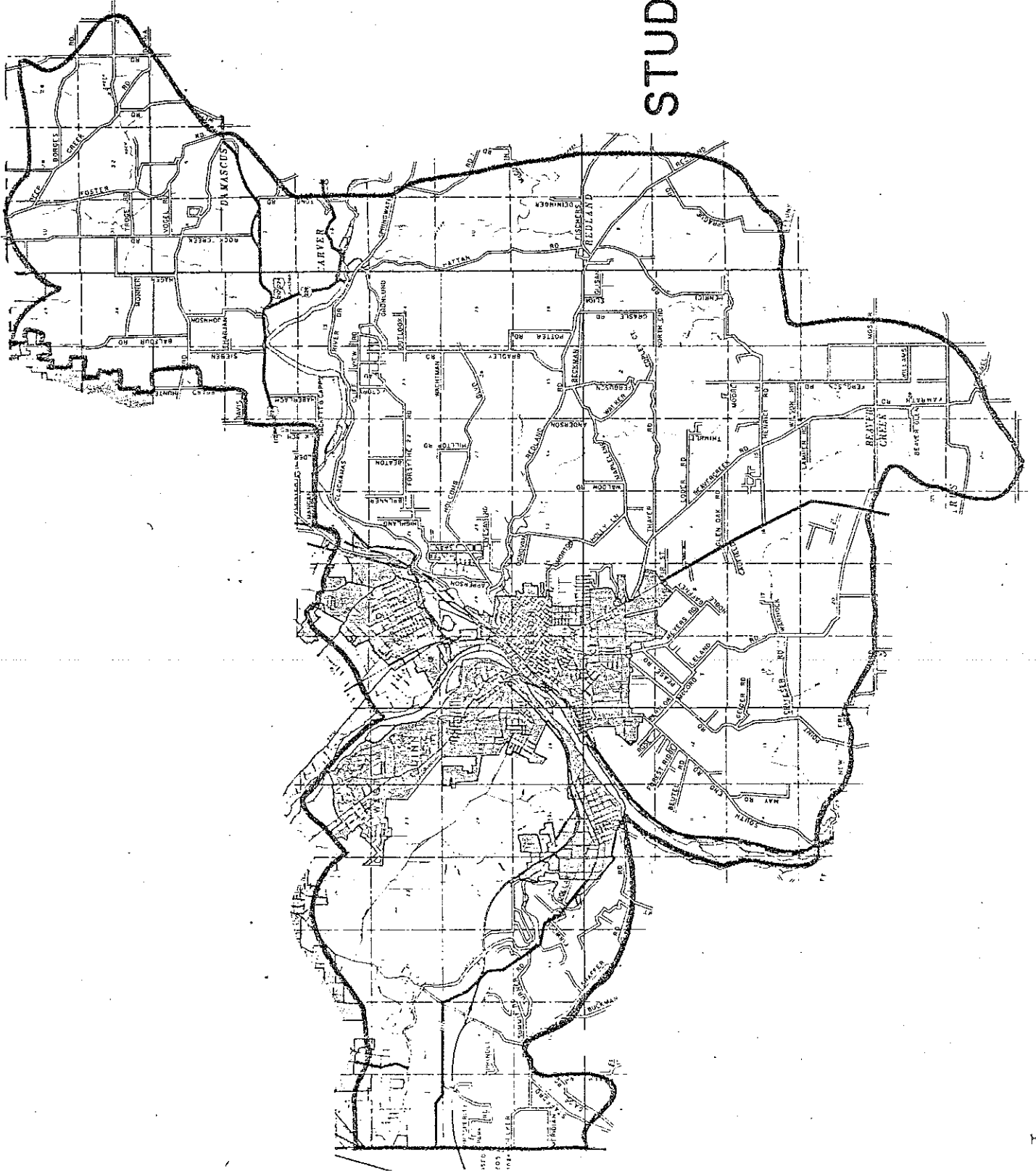
It is strongly recommended that some form of regional collection and sewage treatment be proposed for the above, otherwise, the Health Department undoubtedly will be forced to recommend against any new construction in the areas described.

Very truly yours,

CLACKAMAS COUNTY HEALTH DEPARTMENT

  
John Borden  
Director  
Environmental Health Section

JB/jt



# STUDY AREA

II LOAN AGREEMENT

LOAN AGREEMENT  
BETWEEN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AND THE CITY OF OREGON CITY

This Agreement, made this \_\_\_\_\_ day of \_\_\_\_\_, 1972,  
by the State of Oregon, acting by and through its Department of  
Environmental Quality, hereinafter called Department, and the  
City of Oregon City, a municipal corporation in the State of  
Oregon, hereinafter called City.

WITNESSETH AND RECITALS

City desires to plan for the collection and treatment of  
sewage in the area in and around Oregon City, Oregon; and

City has entered into an agreement with Clackamas County,  
Oregon, and the cities of West Linn and Gladstone, municipal  
corporations in Oregon, for the purpose of developing a regional  
plan for construction of sewage collection and treatment works;  
and

It is necessary for City to raise a part of the cost of  
such regional planning by borrowing funds from the Department,  
pursuant to Article XI-H of the Constitution of Oregon and its  
implementing statutes; and

Department intends to assist City in its proposed regional  
planning project by loaning to it funds necessary to aid in  
financing the undertaking; and

City's regional planning for construction of sewage collection  
and treatment works being eligible for such loan as provided in  
ORS 449.685(1)(e) and 449.455;

NOW, THEREFORE, in consideration of the premises and mutual  
covenants hereinafter set forth, it is agreed:

AMOUNT OF LOAN

Department will loan to City the sum of FIFTY-FIVE THOUSAND  
DOLLARS (\$55,000), and City will repay said sum, together with  
interest on the balances thereof from time to time remaining  
unpaid at the rate of five percent (5%) per annum, to Department  
as hereinafter set forth.

METHOD OF DISBURSEMENT OF FUNDS

Department will remit to City, upon execution of this agreement and approval by Department of the sewage collection and treatment works study contract to be entered into between City and a consulting engineering firm for the performance of the Engineering Work Program which is outlined in Exhibit "A" attached hereto and by this reference made a part hereof, the sum of FIFTY-FIVE THOUSAND DOLLARS (\$55,000).

REPAYMENT

Except as hereinafter provided, City shall repay to Department the loan, together with the accrued interest thereon, at the time the initial capital improvements are made in accordance with the adopted regional plan for construction of sewage collection and treatment works. It is expected that the loan, together with the accrued interest thereon, will be repaid through federal grants, state grants, bond sale proceeds, user charges, and other sources deemed appropriate by the regional agencies (consisting of City, Clackamas County, and the cities of West Linn and Gladstone, Oregon).

If a regional plan for construction of sewage collection and treatment works shall not be adopted by the regional agencies within twenty-four (24) months following disbursement of the loan funds hereunder, City will repay in full to the Department the then unpaid balance of the loan, together with the accrued interest thereon, at the expiration of thirty-six (36) months following disbursement of the loan funds hereunder. If after the adoption of such a regional plan, the regional agencies are not, in the opinion of the Department, making reasonably satisfactory progress in implementing the regional plan, the Department may make written demand upon City for the full repayment of the then unpaid principal balance of the loan, together with the accrued interest thereon, and City shall make such full repayment to the Commission at the ex-

piration of twelve (12) months following such written demand by the Department to the City for loan repayment.

Repayments of the loan will be applied first to accrued interest and then to unpaid principal balance of the loan.

Following disbursement of the loan funds hereunder, City shall make bimonthly reports to the Department on the progress toward the objectives comprehended herein.

#### COVENANT OF AUTHORITY

City covenants with Department that City has legal authority to enter into this agreement and incur and repay the indebtedness provided for herein.

#### GENERAL COVENANTS AND CONDITIONS

City agrees to submit to Department a copy of the final agreement, hereinbefore referenced, between City and its consulting engineering firm, together with all amendments thereto that may thereafter be made.

City covenants to maintain financial records relating to the development and accomplishment of the regional sewage collection and treatment plan and to permit reasonable inspection thereof by Department officers, employes and agents. Should litigation develop between the parties, the prevailing party shall be entitled to attorney's fees and costs from the other party.

It is agreed that time is of the essence of this agreement.

It is understood and agreed that development and execution of this regional sewage collection and treatment works plan will be a pioneering venture of the parties hereto and either party may from time to time request of the other amendments or changes in this agreement for the purpose of accomplishing a viable program.

This agreement consists of \_ pages and is executed in duplicate on the date first hereinabove written.

STATE OF OREGON, acting by and through the DEPARTMENT OF ENVIRONMENTAL QUALITY

By \_\_\_\_\_  
Director

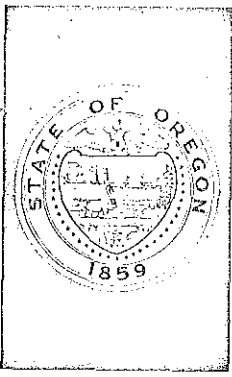
CITY OF OREGON CITY

(SEAL)

By \_\_\_\_\_  
Mayor

By \_\_\_\_\_  
City Recorder





## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

August 24, 1972

L. B. DAY  
Director

### ENVIRONMENTAL QUALITY COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

Alfred Simonson  
General Manager  
City of Oregon City  
P.O. Box 631  
Oregon City, Oregon 97045

S- Tri-City County Study  
Clackamas County

Dear Sir:

Reference is made to a loan agreement between the Department of Environmental Quality and the city of Oregon City regarding the development of a regional sewerage study to encompass the cities of West Linn, Gladstone, Oregon City and adjacent Clackamas County areas. This loan agreement is to be signed by the respective parties within the near future and is to be made part of a loan application report submitted to the Department.

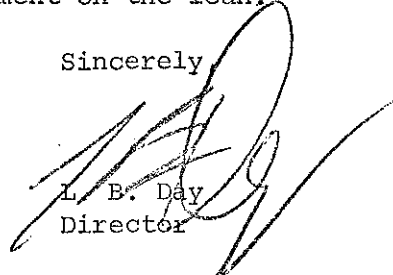
Your attention is directed to section five entitled "repayment".

It is the Department of Environmental Quality's understanding that if the regional sewerage study as outlined in the above application is implemented within the subscribed time period with the resultant capital improvements for construction of sewage collection and treatment works that repayment of the accrued interest on the loan shall not be borne by funds derived from the regional agencies involved in the study area.

Alfred Simonson  
August 24, 1972  
Page 2

I hope this clarifies this Departments policy with regard to accrued interest repayment on the loan.

Sincerely



L. B. Day  
Director

LBD/SCG:sw

cc: City of Gladstone  
cc: City of West Linn  
cc: Clackamas County Attn: John McIntyre  
Director of Public Works  
cc: EJW  
cc: Portland District Office  
cc: Raymond Underwood

### III ENGINEERING WORK PROGRAM

## SCOPE

It is our understanding that the services to be performed are for the preparation of a comprehensive sewerage plan for the Cities of Gladstone, Oregon City, West Linn and the contiguous areas of Clackamas County. The study area as indicated by Attachment I is approximately 125 sq. miles.

## COLLECTION AND TRANSPORTATION

- A. It is the intent that existing sewerage studies which have been completed for the cities of Gladstone, Oregon City and West Linn and the non-urban Clackamas County areas will be utilized to the maximum during this study. Changes in existing plans will, in general, be limited to those necessary to integrate the various entities and areas into the regionalized plan.
- B. Drainage areas and present service districts will be outlined and reviewed to indicate the extent of the present collection service. All areas not presently served by a sewerage collection system that lie within the study boundary will be considered and provided with trunk facilities. It is understood that some of the drainage basins are very extensive and the upper portions of the topographic areas will be deleted from the study based on the premise that development will not occur in the foreseeable future. It is not the intent to provide information on lateral collection systems. The objective here is to provide trunk and interceptor services, with necessary pumping stations, to generally collect sewage and transport it to a treatment plant site(s).
- C. Projected domestic and industrial sewerage needs will be developed for the year 1990 based on current population information and projections and densities to be provided by the Clackamas County Planning Commission. Development of additional land use data and population projections are excluded from this work program.

- D. A plan will be prepared showing the approximate location and size of proposed interceptors, major trunk sewers and pumping stations. Stage construction will be indicated based on projected change in land use patterns and population densities.
- E. Cost estimates for all facilities based on present day cost, and tied to ENR Indices, will be included.

#### SEWERAGE TREATMENT FACILITIES

- A. Evaluate all present sewerage treatment sites as to adequacy for use as a regional site utilizing the sewerage flow data completed previously. The evaluation will include analysis of efficiencies, discharge load, assimilation capability of the receiving stream, existing and projected DEQ discharge criteria, as well as other environmental factors such as affect on air quality, aesthetics and proximity to existing and proposed development.
- B. Should existing sites prove inadequate under the foregoing examination, a new site or sites will be selected and subjected to the evaluation under Item A.
- C. Preliminary plans will be developed for the treatment system in sufficient detail to estimate the cost with reasonable accuracy. The latest developments in sewage treatment technology will be considered and incorporated in the preliminary design where practical.
- D. A stage construction program will be developed and presented.

#### LIAISON WITH PARTICIPATING ENTITIES

To ensure close coordination, the engineers will work closely with Clackamas County, Gladstone, Oregon City, West Linn and DEQ. It is recommended that a permanent advisory

committee be established with a member from each of the participants to receive progress reports and offer appropriate inputs during the course of the project.

### FINANCE AND ORGANIZATION

It is understood that a financial consultant will be retained to assist in preparation of a financial plan and bonding program. The engineers will, however, work closely with the financial consultant and provide such input as necessary for completion of this element of the study.

Various organizational structures will be discussed as they might serve the proposed regional area. These will include the metropolitan approach, a new large sanitary district providing for transportation and treatment with the local entities retaining responsibility for collection, the possibility of one entity providing the treatment on a wholesale basis to the other entities, and such other plans as might be developed with the advisory board.

### PLAN PREPARATION

A report will be prepared containing the technical data compiled, the preliminary plans, stage development programs, cost estimates and a discussion of the comprehensive plan proposed. Such drawings, maps and tables as are necessary will be included in the report. An oral presentation will be given by the engineers at a time and place suiting the convenience of the entities. One hundred fifty (150) copies of the report will be furnished with additional copies furnished at cost of production.

### TIME SCHEDULE

It is recognized that this study and report are needed without delay. This study will begin within thirty (30) calendar days after notice to proceed and the completed report submitted within twelve (12) months.

## STUDY COST

Due to the many variables and the difficulty in estimating the cost of a study of this type, we propose that the engineer's fee be based on salary costs (actual payroll plus 27% direct overhead on payroll) times a factor of 2.0 to cover taxes, insurance, other overhead expense and profit, plus automobile transportation at 12 cents per mile in connection with the project. All other costs will be billed at the actual amount of such cost. These costs, as applicable, will include, but are not necessarily limited to, long distance telephone, printing and reproduction work. Based on the scope of work outlined, the total of all costs to the City for the engineering services indicated shall not exceed \$35,000.00. Monthly progress payments shall be made to the engineers during the course of the study beginning at the end of three (3) months, but shall not exceed 80% of the maximum fee prior to submittal of the report.

Gather data

80

Numbers above bars - manhours required  
Total manhours 2104

Evaluate date and define unknowns

120

Define basins and service areas

40

Supervision 88 hrs. @ \$29.50 = \$ 2,600

Engineering 1468 @ 16.00 = 23,490

Evaluate land use planning

40

Drafting 500 @ 12.00 = 6,000

Printing 48 @ 8.00 = 380

REVIEW

16

Subtotal \$32,470

Establish design densities

32

Reproduction 2,000

Mileage & Misc. 530

Develop preliminary interceptor layouts

500

Total \$35,000

Establish treatment requirements and land area needs, evaluate existing plants and sites, select treatment plant site/sites

220

REVIEW

16

Finalize interceptor locations and sizes

80

Identify pumping stations

16

Establish stage construction program

40

Develop cost estimates

100

Prepare report text

200

REVIEW

24

Prepare report graphics

500

Print report

48

Presentation

32

RECEIVED

JUL 12 1972

CITY RECORDER  
CITY OF OREGON CITY

0

1

2

3

4

5

(Time in months)



IV FINANCIAL WORK PROGRAM

PROPOSAL TO  
CITY OF OREGON CITY  
BARTLE WELLS ASSOCIATES  
Municipal Financing Consultants

SERVICES

Phase I - Preparation of a sewerage financing plan for the Cities of Oregon City, West Lynn, and Gladstone, and portions of Clackamas County.

1. Investigation - We will review and analyze all significant aspects of financing the proposed master plan project, including: (a) examination of the present and prospective future financing capacity of the service area of the project; (b) study of the master plan project and its relationship to the cities and areas served; (c) study of each of the agency's operating characteristics, rates and charges, and financing resources, and the cost and benefits of the project; and (d) review possible alternate arrangements among the agencies.

2. Financing Plan - We will prepare and submit a financing report of our findings based on the review described above. The report will analyze alternate procedures for financing the proposed project and make recommendations based on the area's needs and resources. Methods for raising revenues required to pay project costs will be examined and recommendations made. Costs for each area will be discussed. If changes are believed advisable in operating procedures or rates for existing agencies, these changes will be discussed and appropriate recommendations made. State and federal grant programs will be identified and suggestions included for maximizing such funds. A financing report draft will be submitted for review and comments.

Phase II - Preparation of a final financing report

1. Financing Report - We will revise the financing report draft after review and comments. We will make changes as appropriate based on the suggestions obtained by discussion of the draft and will complete and print the final report for submittal to the state. At least two hundred copies of the completed report will be furnished.

Phase III

1. General Consultation - Following completion of the report we will be available for consultation with those interested in the report. We will provide such additional information as required to interpret our report. We will assist the cities, the county, other consultants, and other agencies in implementing the plan.

## AVAILABILITY AND FEES

1. We are prepared to begin work immediately on acceptance of this proposal. The financing report draft will be completed within 120 days from the time of our employment. The final report will be completed within 30 days from your approval of the report draft.
2. We will be available for consultation throughout the entire development period for the project. We will be available at all reasonable times and on reasonable notice for meetings and for consultation with the city and county staffs, public officials and others as necessary.
3. All work will be performed by Bartle Wells Associates and those special consultants with whom we are regularly associated. Our principals will devote their time and effort directly and intensively to the needs of the project when such work is needed.
4. Our fees for consulting services are based on our standard billing rates for 1972 as set forth on the schedule attached.
  - a. For preparation of the financing report Phases I and II, a total of \$17,500 plus expenses ( ar. 3, Schedule 16C) payable \$6,500 at 50 per cent completion of the report draft, \$6,500 plus expenses upon completion of the report draft and \$4,500 plus expenses upon completion of the final report.
  - b. Additional services, other than bond sale services, as authorized, will be based on our regular per diem rates.
5. We will not require a formal contract of employment and will consider a letter from an appropriate official as sufficient authority to proceed. If a formal contract is desired, we shall be pleased to assist in incorporating the terms of this proposal in such an agreement

Edwin A. Wells, President  
Bartle Wells Associates

June 29, 1972  
Encl: Schedule 16C

BARTLE WELLS ASSOCIATES  
BILLING RATES FOR PER DIEM WORK

1. Billing rates for 1972 are based on a "consultant day" as follows:

|                                     | <u>Per Day</u> | <u>Per Hour</u> |
|-------------------------------------|----------------|-----------------|
| Limited Assignment (Not applicable) | \$300          | \$50            |
| Principal Consultant                | 275            | 39              |
| Associate Consultant                | 240            | 35              |
| Research Assistant                  | 160            | 23              |
| MTST Composition & Operator         | 100            | 15              |

The consultant day includes all time spent on a job between the hours of 8 a.m. and 6 p.m. but not less than 7.0 hours.

2. The billing rates include all overhead and indirect costs associated with the consultant's work including: social security, state disability insurance, health, disability and pension plan premiums, workmen's compensation, incidental secretarial and research labor, training and professional development, insurance, local telephone, local transportation, office equipment, supplies, rent, business license fees, taxes, accounting, vacation time, and other overhead expenses.
3. Direct expenses will be separately itemized and billed at cost plus 10%. These expenses include air and surface transportation, telephone toll charges, printing, statistical services, photography, graphic design, and postage. Such expenses are to be reimbursed as incurred.

CITY OF OREGON CITY  
SEWERAGE FINANCING REPORT MASTER PLAN  
ESTIMATED TIME REQUIREMENTS - MAN DAYS

| FINANCING REPORT |                                  |  | Bartle Wells Associates |           |                       |          |
|------------------|----------------------------------|--|-------------------------|-----------|-----------------------|----------|
|                  |                                  |  | Manager/<br>Consultant  |           | Research<br>Assistant |          |
|                  |                                  |  | Phase I                 | Phase II  | Phase I               | Phase II |
| Task 1           | Legislative Analysis             | Review existing and proposed legislation   | 2                       | -         | -                     | -        |
| Task 2           | Data Collection                  | Program determination, review existing material, direct interview, data compilation and processing   | 10                      | -         | 8                     | 2        |
| Task 3           | Operation Costs Study            | Pro forma projections, annual costs, cost escalation, capital requirements, rate analysis  | 3                       | 3         | 3                     | -        |
| Task 4           | Debt Distribution                | Program review, new revenue projections, debt retirement schedules   | 2                       | -         | 2                     | -        |
| Task 5           | Project Financing                | Project review, financial methods, federal and state aid, debt service requirements, multiple sale programs  | 2                       | -         | 2                     | 1        |
| Task 6           | Basic Factors                    | Growth factors, debt and credit analysis, economic factors, regional planning factors, projected growth  | 3                       | 1         | 2                     | 1        |
| Task 7           | Financing Plan - Revenue Program | Total annual and capital costs, revenue sources, financing methods, rates and charges, individual costs, implementation, revenue program report presentation | 8                       | 4         | 2                     | 3        |
| Task 8           | Public Information               | Preliminary meetings, report production, general information, graphics, presentation   | 4                       | 2         | 1                     | 1        |
|                  |                                  |  | <u>34</u>               | <u>10</u> | <u>20</u>             | <u>8</u> |

ESTIMATED SERVICES

|                             | Phase I         | Phase II       |
|-----------------------------|-----------------|----------------|
| Project Manager @\$275      | (14) \$ 3,850   | (6) \$1,650    |
| Associate Consultant @\$240 | (20) 4,800      | (4) 960        |
| Research Associate @\$160   | (20) 3,200      | (8) 1,280      |
| Contingency                 | 1,150           | 610            |
|                             | <u>\$13,000</u> | <u>\$4,500</u> |

V APPENDIX

AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, That this Agreement, made and entered into this 12<sup>TH</sup> day of July, 1972, between the City of Oregon City, a municipal corporation of the State of Oregon, hereinafter referred to as <sup>Oregon</sup>City; the City of Gladstone, a municipal corporation of the State of Oregon, hereinafter referred to as Gladstone; the City of West Linn, a municipal corporation of the State of Oregon, hereinafter referred to as West Linn; and the County of Clackamas, a municipal corporation of the State of Oregon, hereinafter referred to as County.

WITNESSETH:

WHEREAS, the parties to this Agreement are interested in and recognize the necessity for regional planning in the area of the collection and treatment of sewage, generally; and

WHEREAS, the Environmental Quality Commission is interested in loaning money for the planning of collection and treatment of sewage; and

WHEREAS, the Environmental Quality Commission prefers to loan the funds to one governmental agency and one only; and

WHEREAS, it is in the interest of the citizens of all four municipalities which are parties to this Agreement that regional planning for the construction of sewage works be undertaken;

NOW THEREFORE, in consideration of the premises and initial covenants herein set forth, it is agreed:

That Oregon City will be the contracting agency and apply for and obtain a loan of those moneys made available through Article

XI-H of the Oregon Constitution and its implementing Acts up to the sum of <sup>Five</sup> Fifty-thousand Dollars (\$55,000) from the Environmental Quality Commission on behalf of all four parties to this Agreement.

That upon receipt of such moneys from the Environmental Quality Commission, Oregon City will maintain such moneys in a separate fund established for the planning and implementation of regional sewage treatment works, all interest earned thereon to be credited to such separate fund.

That while it is anticipated that such loan will be repaid from Federal grants, State grants, bonds, user charges and various other sources, in the event that any payment by the participating agencies themselves is actually required under the terms of the Agreement between the Environmental Quality Commission and Oregon City, then and in that event the parties hereto shall make payment of moneys needed in accordance with the following pro-rata distribution of responsibility:

- (A) County - Fifty percent (50%)
- (B) Oregon City - Twenty percent (20%)
- (C) Gladstone - Fifteen percent (15%)
- (D) West Linn - Fifteen percent (15%)

In the event that the planning study herein authorized indicates that any of the participating agencies should not be included in the implementation of a regional sewer collection and treatment plant, then that agency shall not be required to pay its stated percentage but shall be relieved of the liability thereof. In the event one or more agencies are excluded as heretofore provided, the percentage responsibility of the excluded agency or agencies shall



become the obligation of the remaining agencies according to the percentage above provided.

Oregon City is hereby authorized on behalf of all participants of this Agreement to enter into an agreement with a consulting engineering firm to prepare a study for planning and implementation of regional sewage treatment works.

The scope and form of the study authorized by this Agreement shall be approved by all four of the participating agencies.

Upon completion of the report from the firm of consulting engineers and distribution of copies of the report to necessary governmental agencies, the balance of the copies of the report shall be distributed to the four participating agencies to this Agreement.

This Agreement consists of three (3) pages and is executed in quadruplicate on the date first hereinabove written.

CLACKAMAS COUNTY, OREGON

CITY OF OREGON CITY

By *[Signature]*

By *[Signature]* Mayor

(Seal)

By *[Signature]*

By *[Signature]* City Recorder

By *[Signature]*  
Board of County Commissioners

CITY OF GLADSTONE

By *[Signature]* Mayor

(Seal)

ATTEST:

By *[Signature]* acting Recorder

(Seal)

GEORGE D. POBLEN  
County Clerk

CITY OF WEST LINN

By *[Signature]* Mayor

(Seal)



By *[Signature]* Recorder

RESOLUTION NO. 72-2

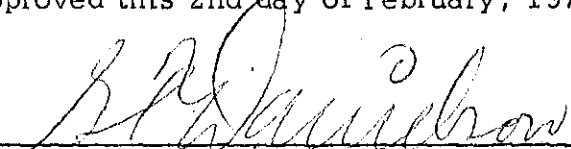
WHEREAS, Oregon City is desirous of joining with West Linn, Gladstone, and the County of Clackamas, Oregon, in a joint effort to construct, use and operate a regional sewage treatment plant, and


WHEREAS, Oregon City, Oregon, endorses the C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant,

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF OREGON CITY, That Oregon City will cooperate with the Cities of West Linn, Gladstone and the County of Clackamas, Oregon, for a regional sewage treatment plant, and

BE IT FURTHER RESOLVED by Oregon City that it endorses the C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant.

Adopted, signed and approved this 2nd day of February, 1972.

  
\_\_\_\_\_  
Mayor - Commissioner

  
\_\_\_\_\_  
Commissioner

  
\_\_\_\_\_  
Commissioner

Comprising the City Commission of  
Oregon City, Oregon.

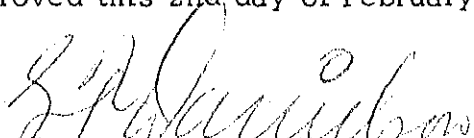
RESOLUTION NO. 72-3


WHEREAS, Oregon City has heretofore adopted a resolution endorsing C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant, and


WHEREAS, It is the desire of Oregon City to proceed with the necessary administrative action to make proper application to D.E.Q. for the necessary funds for the purpose of a feasibility study for the expansion of the Oregon City sewage treatment plant, or for other acceptable sites for regional sewage treatment plant for the use of the Cities of Oregon City, West Linn, Gladstone, and the County of Clackamas, Oregon.

NOW, THEREFORE, BE IT RESOLVED BY Oregon City that its General Manager, Alfred Simonson, be and he is hereby authorized to proceed with an application to D.E.Q. for funds for the purpose of a feasibility study regarding the expansion of the Oregon City sewage treatment plant, or such other sites as to be acceptable for a regional sewage treatment plant to be used by the Cities of Oregon City, West Linn, Gladstone, and the County of Clackamas, Oregon.

Adopted, signed and approved this 2nd day of February, 1972.

  
\_\_\_\_\_  
Mayor - Commissioner

  
\_\_\_\_\_  
Commissioner

  
\_\_\_\_\_  
Commissioner

Comprising the City Commission of  
Oregon City, Oregon.

RESOLUTION NO. 72-18

WHEREAS, the City of Oregon City, Oregon, has heretofore passed Resolution No. 72-2 providing for cooperation with the Cities of West Linn and Gladstone, and with Clackamas County for the purpose of investigating the feasibility of a Regional Sewage Treatment Plant, and endorsing the Columbia Region Association of Governments concept for said plant and,

WHEREAS, the City of Oregon City, Oregon has heretofore adopted Resolution No. 72-3 authorizing the City Manager of Oregon City to make application to the Oregon State Department of Enviromental Quality for funds for conducting a feasibility study for such Regional Sewage Treatment Plant and,

WHEREAS, preliminary conferences and discussions have indicated a requirement for expanding the scope and probable cost of such feasibility study,

NOW THEREFORE BE IT RESOLVED BY THE CITY COMMISSION OF OREGON CITY, OREGON:

Section 1. That the City of Oregon City will enter into an agreement with the City of West Linn, the City of Gladstone, and with Clackamas County, as parties of one part, and with the Oregon State Department of Enviromental Quality, as the party of the other part, for a grant or loan in the amount of approximately \$50,000 for the purpose of conducting an engineering and financial feasibility study in the matter of the construction of a Regional Sewage Treatment Plant to serve the above named municipal corporations.

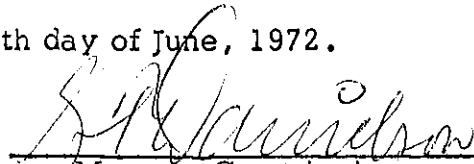
Section 2. That the City of Oregon City be designated as the contracting agency to represent the above named municipal corporations with all said municipal corporations agreeing to provide for the repayment of their proportionate share of any loan granted hereunder,


Section 3. That the proportionate share of each of the above named municipal corporations shall be based on the projected ultimate population lying within each of said municipal corporations with this proportionate share not to exceed the percentages listed as follows:


- (a) Clackamas County - 50%
- (b) Oregon City - 20%
- (c) Gladstone - 15%
- (d) West Linn - 15%

Section 4. That the engineering firm of Stevens, Thompson, and Runyan, Inc. shall be retained to conduct such study with the final report on such study being completed and submitted to the contracting parties no later than eight months following notice to proceed.

Adopted, signed and approved this 15th day of June, 1972.

  
\_\_\_\_\_  
Mayor - Commissioner

  
\_\_\_\_\_  
Commissioner

  
\_\_\_\_\_  
Commissioner

Comprising the City Commission of Oregon City, Oregon

RESOLUTION NO. 855

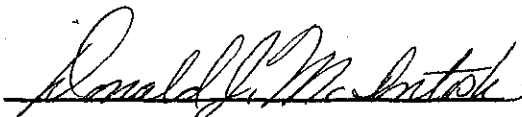
WHEREAS, the City of West Linn is desirous of joining with Gladstone, Oregon City and the County of Clackamas, Oregon, in investigating the feasibility of a joint effort to construct, use and operate a regional sewage treatment plant, and

WHEREAS, the City of West Linn, Oregon, endorses the C.R.A.G. concept of a plan for construction of a regional treatment plant,

NOW THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF WEST LINN, That the said City will cooperate with the Cities of Gladstone, Oregon City and the County of Clackamas, Oregon, in investigating the feasibility of a regional sewage treatment plant and,

BE IT FURTHER RESOLVED by the City of West Linn that it endorses the C.R.A.G. concept of a plan for a regional sewage treatment plant.

This resolution was unanimously adopted on the 2nd day of February, 1972.

  
MAYOR

  
RECORDER

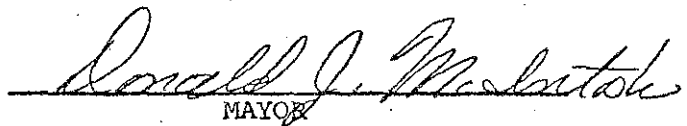
RESOLUTION NO. 856

WHEREAS, The City of West Linn, Oregon has heretofore adopted a resolution endorsing the concept of the C.R.A.G. plan for a regional sewage treatment plant, and

WHEREAS, It is the desire of the City of West Linn to proceed with the necessary administrative action to make proper application to D.E.Q. for the necessary funds for the purpose of a feasibility study for a regional sewage treatment plant for the use of the Cities of Gladstone, West Linn, Oregon City and the County of Clackamas, Oregon.

NOW, THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF WEST LINN, That its duly appointed and acting City Administrator be and he is hereby authorized to proceed with an application to D.E.Q. for funds for the purpose of a feasibility study regarding the construction of a regional sewage treatment plant, at such sites as to be acceptable for a regional sewage treatment plant to be used by the Cities of Gladstone, West Linn, Oregon City and the County of Clackamas, Oregon.

This resolution adopted on the 2nd day of February,  
19 72 .

  
MAYOR

  
RECORDER

RESOLUTION NO. 243

WHEREAS, The City of Gladstone is desirous of joining with West Linn, Oregon City and the County of Clackamas, Oregon, in a joint effort to construct, use and operate a regional sewage treatment plant, and

WHEREAS, The City of Gladstone, Oregon, endorses the C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant,

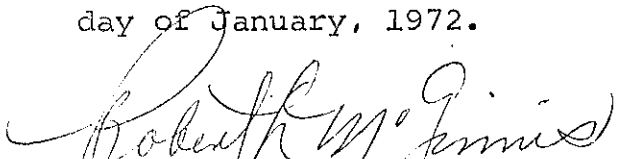
NOW, THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF GLADSTONE, That the said City will cooperate with the Cities of West Linn, Oregon City and the County of Clackamas, Oregon, for a regional sewage treatment plant, and

BE IT FURTHER RESOLVED by the City of Gladstone that it endorses the C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant.

This resolution was unanimously adopted on the 25th day of January, 1972.

Approved by the Mayor this 25th  
day of January, 1972.

Attested:

  
Robert L. McGinnis, Mayor

  
Bernice Marlow, Recorder

RESOLUTION NO. 244

WHEREAS, The City of Gladstone has heretofore adopted a resolution endorsing C.R.A.G. regional plan for expansion of the Oregon City sewage treatment plant, and

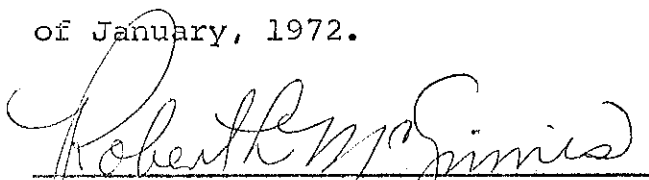
WHEREAS, It is the desire of the City Council to proceed with the necessary administrative action to make proper application to D.E.Q. for the necessary funds for the purpose of a feasibility study for the expansion of the Oregon City sewage treatment plant, or for other acceptable sites for regional sewage treatment plan for the use of the Cities of Gladstone, West Linn, Oregon City and the County of Clackamas, Oregon.

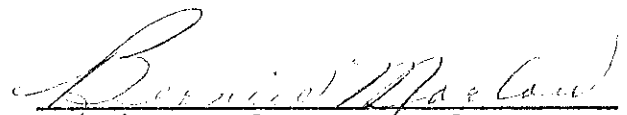
NOW, THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF GLADSTONE, OREGON THAT ITS City Administrator be and he is hereby authorized to proceed with an application to D.E.Q. for funds for the purpose of a feasibility study regarding the expansion of the Oregon City sewage treatment plant, or such other sites as to be acceptable for a regional sewage treatment plant to be used by the Cities of Gladstone, West Linn, Oregon City and the County of Clackamas, Oregon.

This Resolution was adopted on the 25th day of January, 1972.

Approved by the Mayor this 25th day  
of January, 1972.

Attested:

  
Robert L. McGinnis, Mayor

  
Bernice Marlow, Recorder



BEFORE THE BOARD OF COUNTY COMMISSIONERS  
OF CLACKAMAS COUNTY, STATE OF OREGON

FILED  
FEB 3 1972

In the Matter of joining with the cities of Oregon City, West Linn and Gladstone in applying for funds from the Department of Environmental Quality to conduct a study for the feasibility of the expansion of the Oregon City Treatment Plant as a regional facility.

GEORGE D. POPPEN, County Clerk  
By M. W. [Signature] Deputy

ORDER NO. 72-125

This Matter coming on at this time, and it appearing to the Board of County Commissioners that Clackamas County by Court Order No. 70-862 adopted the Columbia Region Association of Governments' sewage plan for the urban area of Clackamas County, and

It further appearing to the Board that said CRAG plan calls for a regional sewage treatment plant in the vicinity of the existing Oregon City plant to serve portions of Oregon City, West Linn, Gladstone and the unincorporated areas of Clackamas County, and

It further appearing to the Board that the cities of Oregon City, West Linn and Gladstone have adopted the CRAG plan as a regional plan to serve their areas, and

It further appearing to the Board that in order to implement the regional plan for those areas which presently flow to the Oregon City Treatment Plant and those areas which will ultimately flow to the Oregon City Treatment Plant, further studies are necessary in order to determine the feasibility of expanding the Oregon City Sewage Treatment Plant as a regional facility, now therefore

IT IS HEREBY ORDERED that Clackamas County join with the cities of Oregon City, West Linn and Gladstone in making application to the Department of Environmental Quality for funds to conduct a study for the feasibility of the expansion of the Oregon City Treatment Plant as a regional facility.

DATED: this 2nd day of February, 1972.

BOARD OF COUNTY COMMISSIONERS

[Signature]  
Chairman

[Signature]  
Commissioner

[Signature]  
Commissioner

RESOLUTION URGING FUNDING OF AN ENGINEERING STUDY  
DESIGNED TO DEVELOP A REGIONAL SEWAGE DISPOSAL SYSTEM FOR  
THE CITIES OF OREGON CITY, GLADSTONE, WEST LINN AND CLACKAMAS CO.

Whereas the Columbia Region Association of Governments adopted a Regional Sewer Plan; and

Whereas one part of the Regional Plan proposes the development of a disposal plant and interceptors to jointly serve the Cities of West Linn, Oregon City, Gladstone, and also Clackamas County; and

Whereas the above-named Cities and County have concurred in the concept of a joint system; and

Whereas the Cities and County are seeking State financial aid to assist in designing the system needed to serve the areas involved and that will be compatible with regional planning;

Now, therefore, be it resolved that the Executive Board of the Columbia Region Association of Governments does hereby reaffirm its Regional Sewage Disposal Plan which calls for development of facilities that serve natural drainage basis; and

Further, be it resolved that, inasmuch as the proposed Clackamas County-Tri-City system will accomplish that goal, the Executive Board of CRAG does hereby urge the State of Oregon to appropriate from its anti-pollution funds the funds requested by the Cities of West Linn, Oregon City, Gladstone, and Clackamas County.

Adopted June 23, 1972

Certified by /s/ Homer C. Chandler  
Executive Director

# URBAN AREA LAND USE

## RESIDENTIAL

- Low Density
- Medium Density
- High Density
- Residential Redevelopment

## PLANNED RESIDENTIAL

- Low Density
- Medium Density

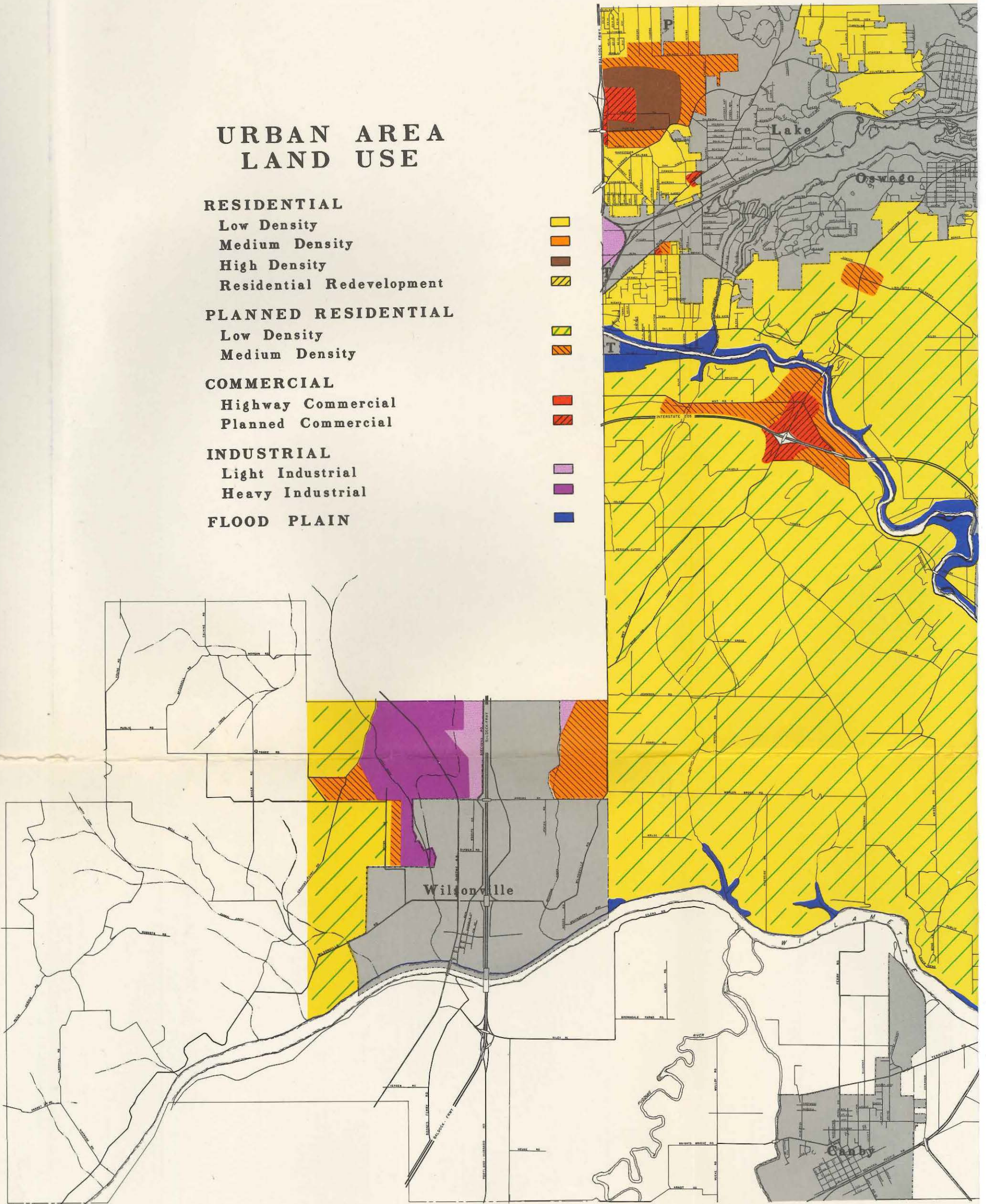
## COMMERCIAL

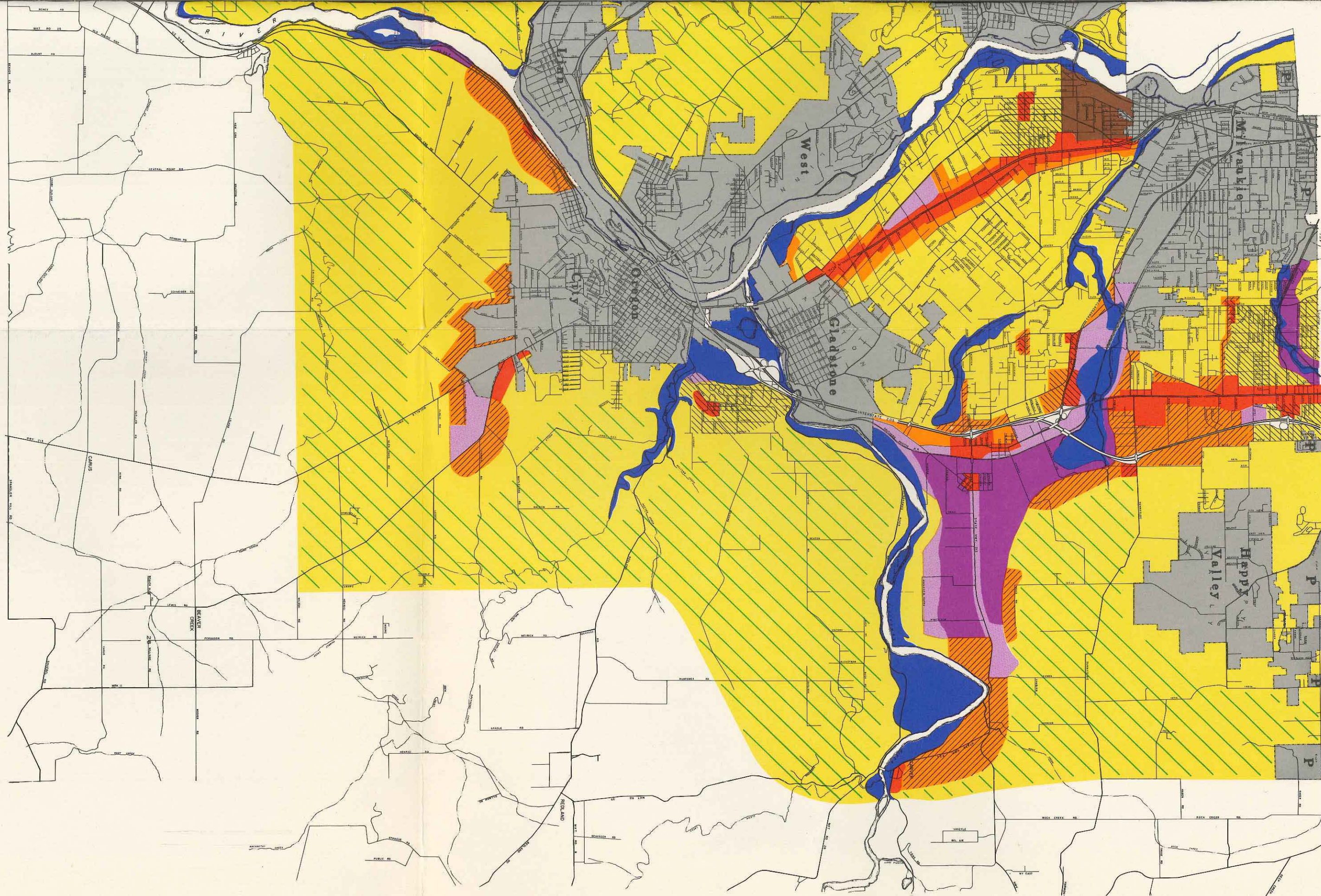
- Highway Commercial
- Planned Commercial

## INDUSTRIAL

- Light Industrial
- Heavy Industrial

## FLOOD PLAIN

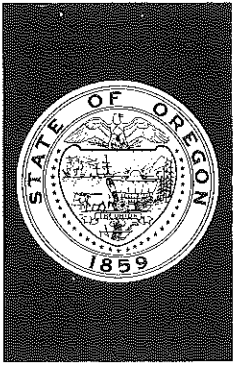




ADVISORY COMMITTEE

Implementation of a regional sewage system for the Oregon City, West Linn, Gladstone, and the surrounding unincorporated areas will require the cooperation and coordination of the several units of government along with the public it serves. For this reason, it is hereby proposed that an Advisory Committee be established to monitor the study and plan for implementation. It is felt at this time that the Committee should consist of the following:

1. A representative from each of the local governments being represented (total of four).
2. One member representing the Metropolitan Service District.
3. One member representing Columbia Region Association of Governments.
4. One member representing the Department of Environmental Quality.
5. Seven members representing the general public being served.



# DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

I. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

To: Environmental Quality Commission  
From: Director  
Subject: Agenda Item No. D, September 5, 1972 EQC Meeting

## Tax Credit Applications

Attached are review reports on 7 Tax Credit Applications.  
These applications and the recommendations of the Director are  
summarized on the attached table.

  
I. B. Day

HLS:ak

August 30, 1972

TAX CREDIT APPLICATIONS

| <u>Applicant</u>                       | <u>Appl. No.</u> | <u>Facility</u>  | <u>Claimed Cost</u> | <u>% Allocable to Poll. Control</u> | <u>Director's Recommendation</u> |
|--|------------------|--|---------------------|-------------------------------------|----------------------------------|
| Oregon Portland Cement,<br>Lake Oswego | T-327            | Dust Collector   | \$ 11,477.18        | 80% or more                         | Issue                            |
| Hervin Co., Tualatin                   | T-329            | Cyclone System   | 20,603.51           | 80% or more                         | Issue                            |
| Hudspeth Pine, Prineville              | T-331            | Boiler & related facilities to<br>eliminate 2 wigwam burners | 250,400.04          | 80% or more                         | Issue                            |
| Fir-Ply, Inc.                          | T-337            | Wigwam Burner Modification                                   | 32,257.85           | 80% or more                         | Issue                            |
| Brooks Willamette, Redmond             | T-340            | Wigwam Burner Modification                                   | 31,241.10           | 80% or more                         | Issue                            |
| Western Kraft, Albany                  | T-359            | Low Odor Furnace, Electrostatic<br>Precipitator              | 5,405,274.59        | 80% or more                         | Issue                            |
| 3-G Lumber Co., Philomath              | T-379            | Wigwam Burner Modification                                   | 23,780.14           | 80% or more                         | Issue                            |

HLS:ak

August 30, 1972



State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant

Oregon Portland Cement Company  
111 S. E. Madison Street  
Portland, Oregon 97214

The applicant owns and operates a Portland cement manufacturing facility near Lake Oswego, Oregon.

This application was received on March 15, 1972. Comments were requested of CWAPA on March 16, 1972, and a reply received on 14 June, 1972.

2. Description

The facility is described to be a Wheelabrator Serial #A-125189, Size 56 model 108 Ultra-Jet bag-type dust collector with exhauster.

Facility Cost: \$11,477.18 (Accountant's certification was provided.)

The facility was completed and placed in operation on May 28, 1972. Certification is claimed under the 1969 act. The percentage claimed is 100%.

3. Evaluation

This facility was installed to control dust emissions from the vents on four storage bins, to prevent dust emissions when the bins are loading, and also to clean the air collected by hoods over three truck-loading spouts.

CWAPA did not require this installation nor review plans. That agency did report that the facility "now appears to fully comply with all applicable air quality regulations".

This facility replaced a smaller one installed in 1963, which had become inadequate due to expansion of productive facilities.

Economic data submitted by the company indicate that the rate of return on investment is negative.

It is concluded that this facility was installed for pollution control, and is not an economic unit.

4. Director's Recommendation

It is recommended that a Pollution Control Facility Certificate bearing the cost of \$11,477.18 be issued for the facility claimed in Tax Application T-327 with more than 80% allocated to pollution control.

State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant

The Herwin Company  
8150 Nyberg Road  
P. O. Box 168  
Tualatin, Oregon 97062

The applicant owns and operates a pet-food manufacturing facility near Tualatin. The application in final form was submitted on April 14, 1972.

2. Description

The claimed facility is described to be a particulate control system (long-cone cyclone) for reducing emissions of dry, powdered dog food to the atmosphere.

Facility Cost: \$20,603.51 (Accountant's certification was provided).

The facility was completed and placed in operation on July 13, 1971. Certification is claimed under the 1969 act, with 100% allocated to pollution control.

3. Evaluation

This facility collects dust entrained in air used as a drying and cooling medium in a product dryer, following an oven. CWAPA, in a letter dated 19 June, 1972, stated that they did not require or review installation of the system, but that their field inspections did indicate that the facility is achieving its design purpose of preventing local fallout problems.

The company submitted information which indicated that the value of material recovered was not sufficient to pay for operating the system. Therefore, it is concluded that the facility was installed for pollution control.

4. Director's Recommendation

It is recommended that a Pollution Control Facility Certificate bearing the cost of \$20,603.51 be issued for the facility claimed in Tax Application T-329 with more than 80% allocated to pollution control.

State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant:

Hudspeth Pine, Inc.  
P. O. Box 628  
Prineville, Oregon 97754

The applicant operates facilities at Prineville that produce finished lumber and mouldings.

This application was received by the Department on March 31, 1972.

2. Description of Claimed Facility:

The facility claimed in this application eliminated two wigwam waste burners and reduced the required firing rate on four (4) existing HRT boilers and is described as consisting of the following items:

1. A Seattle Model AF-725 horizontal return steam boiler complete with smoke hood, steam gauge, safety valves, blow-off valves and a McDonnell Miller No. 194 automatic water column.
2. A Copes Type R regulator.
3. A Clarage 226 type XL Fan
4. A Zurn Model MTSA 9-CYT-32 ash collector
5. An American Fry-Feeder stocker
6. Electrical controls, control panels, piping, brick work and foundations.
7. A Carrothers shaving blower system complete with surge and storage bins and drive screws, three (3) cyclones, necessary piping, electrical controls and assorted foundations.

The facility was completed in August, 1971.

Certification is claimed under the 1969 Act and the percentage claimed for pollution control is 100%.

Facility cost: \$250,400.04 (Accountant's certification was provided)

3. Evaluation of Application:

The claimed facility was installed in accordance with the company's compliance program to phase-out the two wigwam waste burners and to bring the emissions from the steam production operations to within limits set by Oregon Administrative Rules. Plans and specifications for this installation were approved by the Department prior to installation and the completed facility has been inspected by Department personnel.

This facility enabled the company to phase-out both wigwam waste burners and to reduce the firing rate on the four (4) HRT boilers in order to bring the boiler stack emissions into compliance. Additionally, the company is now able to utilize all of the wood waste residues generated and, in fact, may be slightly short on fuel at times during the year. When the facility is short of fuel, they are able to utilize some of the wood waste residues that are produced by other mills and thereby perform a needed and useful service of wood waste disposal for the area.

4. Conclusions:

This facility was installed in accordance with Department approved plans and specifications and in accordance with an approved compliance program.

The facility does accomplish the air pollution control goals that were initially established by the Department and the company which has resulted in a net decrease of 274 tons/year of particulate matter and CO emitted to the atmosphere in the Prineville area through the phase-out of the wigwam waste burners.

The facility has been inspected by Department personnel and has been found to be in compliance with OAR, Chapter 340, Section 21-015 but not in compliance with Section 21-020. The company is doing further work so as to comply with 21-020.

5. Director's Recommendation:

It is recommended that a Pollution Control Facility Certificate bearing the cost of \$250,400 with 80% or more of the costs allocated to pollution control be issued for the facility claimed in Tax Relief Application No. T-331.

L. B. Day

State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant:

Fir-Ply, Inc.  
7975 11th Street  
White City, Oregon 97501

The applicant operates a plywood manufacturing plant at White City.

This application was received April 7, 1972.

2. Description of Claimed Facility:

The facility claimed in this application is described as a modification of a wigwam waste burner and consists of the following:

1. Top damper
2. Underfire and overfire air systems
3. Igniter system
4. Temperature recording system
5. Automatic control system

The facility was completed and put into service in December, 1971.

Certification is claimed under the 1969 Act and the percentage claimed for pollution control is 100%.

Facility Costs: \$32,257.85 (Accountant's certification was provided.)

3. Evaluation of Application:

This facility was installed in accordance with an approved compliance program and approved plans and specifications.

The completed modified wigwam waste burner was demonstrated to the Department to be capable of continuous operation in compliance with OAR, Chapter 340, Section 25-020.

This modification to the wigwam waste burner has reduced emissions of particulate matter by an estimated 122 tons/year and CO by 258 tons/year.

4. Conclusions:

This facility does operate satisfactorily and did reduce emissions of particulate matter and CO an estimated 381 tons/year.

5. Director's Recommendation:

It is recommended that a Pollution Control Facility Certificate bearing the cost of \$32,257.85 with 80% or more of the cost allocated to pollution control be issued for the facility claimed in Tax Application T-337.

L. B. Day

Date July 31, 1972

State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant:

Brooks-Willamette Corporation  
Redmond Division  
1002 Executive Building  
Portland, Oregon 97204

The applicant operates a lumber and plywood manufacturing plant at Redmond.

This application was received April 10, 1972.

2. Description of Claimed Facility:

The facility claimed in this application is described as a modification of a wigwam waste burner and consists of the following:

1. Top damper
2. Underfire and overfire air systems
3. Igniter system
4. Temperature recording system
5. Automatic control system

The facility was completed and put into service in January, 1972.

Certification is claimed under the 1969 Act and the percentage claimed for pollution control is 100%.

Facility costs: \$31,241.10 (Accountant's certification was provided.)

3. Evaluation of Application:

This facility was installed in accordance with an approved compliance program and approved plans and specifications.

The completed modified wigwam waste burner was demonstrated to the Department to be capable of continuous operation in compliance with OAR, Chapter 340, Section 25-020.

This modification to the wigwam waste burner has reduced emissions of particulate matter by an estimated 212 tons/year and emissions of CO by 513 tons/year.

4. Conclusions:

This facility does operate satisfactorily and did reduct emissions of particulate matter and CO by an estimated 725 tons/year.

5. Director's Recommendation:

It is recommended that a Pollution Control Facility Certificate bearing the costs of \$31,241.10 with 80% or more of the costs allocated to pollution control be issued for the facility claimed in Tax Application T-340.

L. B. Day



State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY

TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant

Western Kraft Corporation  
Albany Mill Division  
Post Office Box 339  
Albany, Oregon 97321

The applicant owns and operates an unbleached kraft pulp and paper mill near Albany, Oregon.

The application was submitted on May 12, 1972.

2. Description

The facility is generally described to be a low-odor furnace, an electro-static precipitator to control dust emissions from the furnace, an evaporator line to prepare black liquor for the furnace, and auxiliary equipment (pipes, pumps, fittings, electrical equipment) associated with those major items.

Facility Cost: \$5,405,274.59 (Accountant's certification was provided).

The facility was completed and placed in operation on May 12, 1971.

Certification is claimed under the 1969 act. The percentage claimed is 85%.

3. Evaluation

Western Kraft, one of the first pulp and paper manufacturers to submit a proposal for complying with the kraft mill emission regulation adopted in April, 1969, proposed to commence a program immediately for meeting the 1975 emission limits with the new facility claimed in this application rather than work first with their existing capacity. A part of their proposal was the installation of 200 ton/day of neutral-sulfite, semichemical pulping capacity, which places an additional loading on the recovery system equivalent to 50 ton/day of kraft pulp production. The proposal included an electrostatic precipitator for particulate control, a significant improvement over the wet-scrubbing capacity in use in 1969.

The items of that proposal have been placed in operation. Although some operating limits remain, the new recovery capacity is well within the current TRS limit of 70 ppm and has shown its capability of operating within limits set for 1975.

All of the old recovery capacity has been withdrawn from active service, including recovery furnaces, scrubbers, and multiple-effect evaporators. With respect to the last named, it should be noted that the evaporators to be used with concentrators, for a low-odor furnace, must evaporate more water (to 50% solids compared to 42%) than was required of the old evaporators.

The old particulate scrubbers were approximately equivalent to an electrostatic precipitator of approximately 90% efficiency. The new high-efficiency unit, at 99.5%, does not recover enough additional particulate thereby to pay for itself.

The neutral-sulfite, semichemical pulping capacity imposes a loading equivalent to 50 tons/day of kraft pulp on the recovery system (9% of the total recovery system), from 200 tons/day of pulp. There is additional capacity, presently unused, of approximately 20 tons/day, reserved for future kraft pulping expansion to the capacity of this (600 ton/day) furnace. At that time, the total equivalent kraft loading will be approximately 13% over production as of April, 1969, when the facility was proposed. Therefore, the company's statement that 85% of the cost is allocable to pollution control appears conservative, and at least is not an overstatement.

The facility represents highest and best treatment. The staff would not have recommended approval of any lesser degree.

#### 4. Director's Recommendation

It is recommended that a Pollution Control Facility Certificate bearing the cost of \$5,405,274.59 be issued for the facility claimed in Tax Application T-359, with more than 80% allocated to pollution control.

State of Oregon  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
TAX RELIEF APPLICATION REVIEW REPORT

---

1. Applicant:

3-G Lumber Company  
Harlan Operations  
Route 1, Box 23-G  
Philomath, Oregon 97370

The applicant operates a sawmill producing rough lumber and cants at Harlan, Oregon.

This application was received July 11, 1972.

2. Description of Claimed Facility:

The facility claimed in this application is described as the modification of a wigwam waste burner and consists of the following:

- a. Top Damper
- b. Underfire and overfire air systems
- c. Igniter system
- d. Temperature recording system
- e. Automatic control system

The facility was completed and put in service in May, 1972.

Certification is claimed under the 1969 Act and the percentage claimed for pollution control is 100%.

Facility costs: \$23,780.14 (Accountant's certification was provided.)

3. Evaluation of Application:

This facility was installed in accordance with an approved compliance program and approved plans and specifications.

The completed modified wigwam waste burner was demonstrated to the Department to be capable of continuous operation in compliance with OAR, Chapter 340, Section 25-020.

This modification to the wigwam waste burner has reduced emissions of particulate matter by 22 tons/year and emissions of carbon monoxide by 76 tons/year.

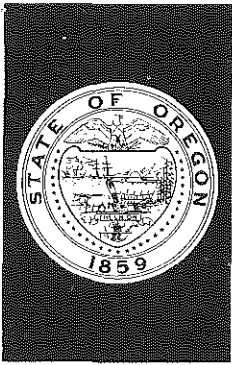
4. Conclusions:

This facility does operate satisfactorily and did reduce emissions of particulate matter and carbon monoxide by 98 tons/year.

5. Director's Recommendation:

It is recommended that a Pollution Control Facility Certificate bearing the costs of \$23,780.14 with 80% or more of the costs allocated to pollution control be issued for the facility claimed in Tax Application T-379.

L. B. Day



# DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

## MEMORANDUM

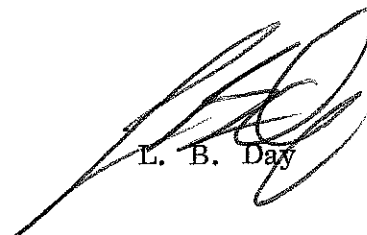
TO: Environmental Quality Commission

FROM: Director

SUBJECT: Agenda Item No. E , September 5, 1972, EQC Meeting  
Hearing Officer's Report

Attached are Hearing Officer's reports with recommendations  
for:

- a) Regulations Pertaining to Records; Maintaining and Reporting, and
- b) Modification to OAR Chapter 340, Section 25-315(d), Veneer and Plywood Manufacturing.



L. B. Day

HMP:h 8/23/72

BEFORE THE  
DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of the Hearing for Adoption )  
of Modification to OAR, Chapter 340, ) HEARING OFFICER'S REPORT,  
Section 25-315(d), Veneer and Plywood ) FINDINGS AND RECOMMENDATIONS  
Manufacturing )

TO: ENVIRONMENTAL QUALITY COMMISSION

Pursuant to the directive of the Environmental Quality Commission, the undersigned Hearing Officer, L. B. Day, conducted a public hearing on August 16, 1972, at the hour of 3:30 p.m. in the Conference Room of the Department of Environmental Quality, Portland, Oregon. The purpose of the public hearing was to consider any oral or written testimony and receive views and comments relative to the adoption of a proposed modification to Oregon Administrative Rules, Chapter 340, Section 25-315(d), Veneer and Plywood Manufacturing.

A copy of the proposed rule change and a copy of the public notice are attached to this report.

Based on the proposed rule, the public hearing and factors known to me, I have prepared the following:

FINDING OF FACT

1. No oral testimony was presented at the hearing.
2. No written communications have been received.
3. No person signed the attendance record sheet.
4. The modification to the rule, as proposed, is attached.

RECOMMENDATION

It is the recommendation of the Hearing Officer that the attached proposed modification to Oregon Administrative Rules, Chapter 340, Section 25-315(d) be

approved by the Environmental Quality Commission.

Dated this 21 day of August, 1972.

  
\_\_\_\_\_  
L. B. Day, Hearing Officer

PROPOSED MODIFICATION PERTAINING TO VENEER DRIERS,  
AMENDS OAR Chapter 340, Section 25-315

"Section 25-315 - (d) No later than September 30, 1972, every person operating a veneer drier shall submit to the Department of Environmental Quality, a specific proposal for complying with this subsection, and by no later than (March 30, 1973) December 31, 1972, a specific detailed schedule of compliance. The schedule shall provide for compliance with the applicable provisions at the earliest practicable date, consistent with local air quality conditions and the difficulty and complexity of compliance, and shall employ the highest and best practicable treatment and control. In no case shall final compliance be achieved by later than December 31, 1974."

( ) Words deleted

\_\_\_\_\_ Words added



BEFORE THE  
DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of the Hearing for Adoption)  
of Regulations Pertaining to Records;     )  
Maintaining and Reporting                     )

HEARING OFFICER'S REPORT,  
FINDINGS AND RECOMMENDATIONS

TO: ENVIRONMENTAL QUALITY COMMISSION

Pursuant to the directive of the Environmental Quality Commission, the undersigned Hearing Officer, L. B. Day, conducted a public hearing on August 16, 1972, at the hour of 1:30 p. m. in the Conference Room of the Department of Environmental Quality, Portland, Oregon. The purpose of the public hearing was to consider any oral or written testimony and receive views and comments relative to the adoption of a proposed rule pertaining to "Records; Maintaining and Reporting."

Based upon the proposed rule, public hearing and factors known to me, I have prepared the following:

FINDINGS OF FACT

1. No oral testimony was presented at the hearing.
2. No written communications have been received.
3. A total of one (1) person signed the attached attendance record sheet.
4. The proposed rule as presented at the hearing is attached.

RECOMMENDATION

It is the recommendation of the Hearing Officer that the attached proposed rule be approved by the Environmental Quality Commission.

Dated this 21 day of August, 1972.

  
\_\_\_\_\_  
L. B. Day, Hearing Officer

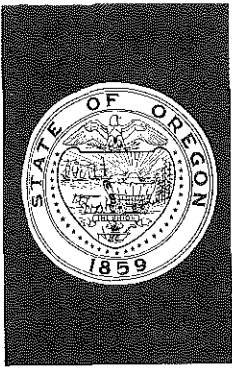
PROPOSED REGULATIONS PERTAINING TO  
"RECORDS; MAINTAINING AND REPORTING."

These regulations are to be made a part of OAR, Chapter 340,  
Division \_\_\_\_\_, Subdivision \_\_\_\_\_.

"RECORDS; MAINTAINING AND REPORT (1) Upon notification from the Director of the Department of Environmental Quality, all persons owning or operating a stationary air contaminant source within the State shall commence to keep and maintain written records of the nature, type and amounts of emissions from such source and other information as may be required by the Director to determine whether such is in compliance with applicable emission rules, limitations or other control measures.

(2) The records shall be prepared in the form of a report and submitted to the Department of Environmental Quality on a semi-annual basis commencing with the first full semi-annual period after the Director's notification to such persons owning or operating a stationary air contaminant source of these record-keeping requirements. Except as may be otherwise provided by rule, semi-annual periods are January 1, June 30 and July 1, December 31.

(3) The reports required by this rule shall be completed on forms approved by the Department of Environmental Quality and shall be submitted within 30 days after the end of each reporting period."



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

### MEMORANDUM

TO: Environmental Quality Commission  
FROM: Director  
SUBJECT: Agenda Item F, September 5, 1972 EQC Meeting

Public Hearing Re: Chem-Nuclear Services, Inc. Application  
to Establish Environmentally Hazardous Waste Disposal Facility

### BACKGROUND

Chem-Nuclear Services, Inc. applied to the Department on June 7, 1972 for a license to establish an environmentally hazardous waste disposal facility near Arlington. The application was submitted pursuant to the requirements of ORS 459.510-540 and established procedures of the Department. (OAR Chapter 340 Division 6, Subdivision 2)

The salient provisions and requirements of ORS 449.410-690 are paraphrased as follows:

1. Environmentally Hazardous Wastes are defined as pesticide wastes or residues, low-level radioactive wastes or residues and any other materials determined by the EQC to be Environmentally Hazardous Wastes.
2. Disposal of Environmentally Hazardous Wastes is prohibited without a license issued by the Department of Environmental Quality.
3. Environmentally Hazardous Waste Disposal sites must be owned by the State.

4. In applying for a license an applicant is required to:
  - a. Pay a \$5000 application fee.
  - b. Submit a geologist's survey report.
  - c. Submit engineering plans and specifications for controlling and disposal of specified quantities of specified Environmentally Hazardous Wastes.
5. If a license is issued, the licensee is required to:
  - a. Proceed expeditiously with the project in accordance with approved plans and specifications.
  - b. Commence operation upon completion of construction and to not discontinue operation without DEQ approval.
  - c. Maintain sufficient liability insurance to protect public health, safety and welfare.
  - d. Establish emergency procedures and safeguards to prevent accidents and foreseeable risks.
  - e. Restore the site to its original condition at the termination of operation.
  - f. Maintain a cash bond in the name of the State sufficient to cover costs of closing and monitoring the site and providing security after closure and to secure performance of license requirements.
  - g. Report periodically on the volume received at the site and fees collected therefor.
  - h. Pay a license fee which will provide for monitoring and protection of the site after closure.

6. Requires the DEQ to establish and operate a monitoring and surveillance program to be financed by annual license fees paid by the licensee.
7. Authorizes the DEQ to immediately halt operation of the disposal site and to effect proper closure and security of the site if necessary to protect public health and safety.

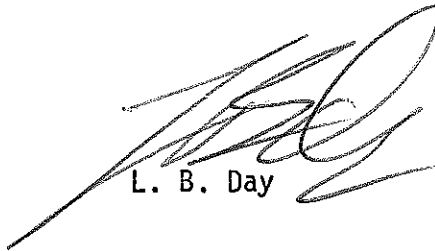
As required by the Statutes, the Department in turn sent copies of the application to the State Health Division, the Public Utility Commission, the State Fish and Game Commissions and the State Engineer for their comments and recommendations. Copies have also been provided to the Federal Environmental Protection Agency and the State Nuclear and Thermal Energy Council for their review and comment. It should be noted that if the State Health Division recommends against granting a license, the EQC may not issue that license. Comments from other agencies are not binding upon the Commission although all comments from the other agencies and the public will be considered.

#### HEARING FORMAT

The purpose of this hearing is to gather information which will aid the Department and the Commission in reaching a decision in the matter of Chem-Nuclear's license application. To accomplish this, it is proposed that the applicant first be given an opportunity to present its application and following the applicant's presentation, the public and other interested parties be allowed opportunity to make oral statements or submit written statements regarding the application. In evaluating the application, the Department will consider all testimony received and all comments and recommendations from the Agencies previously noted.

DIRECTOR'S RECOMMENDATION

It is recommended that following receipt of testimony at this hearing, the hearing record remain open for a 30 day period to allow time for interested parties to submit additional written statements and, after full review of all testimony and comments, the Department submit a full report and recommendations regarding Chem-Nuclear's license application for the Commission's consideration and possible further action at the regular Commission meeting in October.



L. B. Day

PHW:mm  
8-23-72



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

To: Environmental Quality Commission Members

From: Director

Subject: EQC approval of City of Tualatin plans for Sewage  
Treatment Plant Expansion

### Background

The City of Tualatin requires additional sewage treatment capacity to handle expected city growth until connection to a regional sewage treatment plant can be made, and to improve the efficiency of the existing treatment plant. The plant now has facilities for providing a highly polished effluent. Operation of the expanded units and polishing system in parallel will not increase the pound load to the river as spelled out in the current permit.

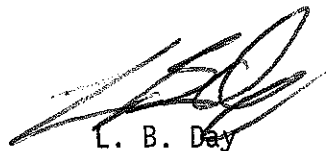
The Unified Sewerage Agency has approved the construction of this interim facility.

### Evaluation

This proposal is compatible with the EQC policy for interim expansion of sewerage facilities in the basin. No increase in the permitted waste load to the Tualatin River is expected as a result of the plant expansion.

### Director's Recommendation

It is the recommendation of the Director that Commission give its ratifying approval to Departmental action pursuant to the letter of August 22, 1972.



L. B. Day

HLS:ak  
August 31, 1972



## DEPARTMENT OF ENVIRONMENTAL QUALITY

TERMINAL SALES BLDG. • 1234 S.W. MORRISON ST. • PORTLAND, OREGON 97205

TOM McCALL  
GOVERNOR

L. B. DAY  
Director

ENVIRONMENTAL QUALITY  
COMMISSION

B. A. McPHILLIPS  
Chairman, McMinnville

EDWARD C. HARMS, JR.  
Springfield

STORRS S. WATERMAN  
Portland

GEORGE A. McMATH  
Portland

ARNOLD M. COGAN  
Portland

To: Environmental Quality Commission Members  
From: Director  
Subject: City of Salem - College Heights Annexation

### Background

The State Division of Health has surveyed the College Heights area outside the City of Salem in Polk County. Serious subsurface waste disposal problems have been documented and annexation procedures under ORS 222.860 have been initiated by the City of Salem.

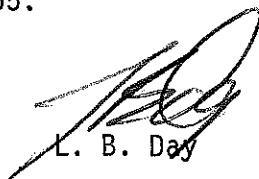
### Evaluation

The city has prepared preliminary plans, specs and a timetable for the construction of sewers in the College Heights area. These submittals are satisfactory and when implemented will be capable of alleviating the problems associated with subsurface waste disposal in College Heights.

The plans, specs and timetable were approved by the DEQ by letter of March 13, 1972.

### Director's Recommendation

It is recommended by the Director that the Commission give its ratifying approval of the actions of the Department in this matter and that the certification of such approval be conveyed to the Division of Health as required by ORS 222.865.



L. B. Day

HLS:ak  
August 31, 1972