

3/28/1969

**OREGON STATE SANITARY
AUTHORITY MEETING
MATERIALS**



State of Oregon
**Department of
Environmental
Quality**

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AGENDA

137th Meeting

State Sanitary Authority Meeting

10:00 a.m., March 28, 1969

Room 36, Portland State Office Building

- ✓A. Minutes of 137th meeting (February 28, 1969)
- ✓B. Project plans for February 1969
- ✓C. Public hearing dates for CO, Motor Vehicle and Waste Disposal Well Regulations
- ✓D. National Metallurgical Corp., Springfield
- ✓E. Request of Columbia-Willamette Regional Air Pollution Authority for increase in state grant
- ✓F. Transfer to Columbia-Willamette RAPA jurisdiction over Associated Meat and Brander Meat Companies
- ✓G. Tigard proposal for sewage treatment plant expansion
- X H. Erdman Packing Company, Bandon, waste disposal
- ✓I. Coast Packing Co., Ontario, waste disposal (WDP #289)
- X J. Waste Discharge Permits - Miscellaneous
 - 1. Sandy
 - 2. Estacada
 - 3. Fort Hill Lumber Co. - Grande Ronde
- ✓K. Waste Discharge Permits - Renewals - Tualatin Basin
 - 1. ✓Beaverton
 - 2. Commonwealth Properties - Oak Hill
 - 3. Forest Grove
 - 4. Laurelwood Academy - Gaston
 - 5. Multnomah County - Fanno Creek
 - 6. Tualatin Development Co., Inc. (King City)
- * L. Waste Discharge Permits - Renewals - Miscellaneous Domestic
 - 1. Lebanon
 - 2. ✓McMinnville
 - 3. Newberg
 - 4. Oak Lodge Sanitary Dist.
 - 5. St. Helens
 - 6. The Dalles
 - 7. Wood Village
- X M. Waste Discharge Permits - Renewals - Industrial
 - 1. Abiqua Rock Products - Silverton
 - 2. Carolina Pacific Plywood, Inc. - White City
 - 3. Evans Products Co. - Corvallis
 - 4. Fir Ply Co. - White City
 - 5. Klamath Tallow Co. - Klamath Falls
 - 6. Medford Veneer and Plywood - White City
 - 7. Rogue Valley Plywood, Inc. - White City
 - 8. White City Plywood Co. - White City

- X N. Waste Discharge Permits - Extensions
- O. Tax Credit Applications
 - 1. T-66 Robert W. Fox
 - 2. T-67 Jess W. McNeil, Jr.
 - 3. T-68 Kistner & Weber
- ✓ P. Rogue River

MINUTES OF THE 138th MEETING
of the
Oregon State Sanitary Authority
March 28, 1969

The 138th meeting of the Oregon State Sanitary Authority was called to order by the Chairman at 10:00 a.m., March 28, 1969, in Room 36 of the State Office Building, 1400 S.W. 5th Avenue, Portland, Oregon. Members present were John D. Mosser, Chairman, B.A. McPhillips, Herman P. Meierjorgen, Storrs S. Waterman and Edward C. Harms, Jr.

Participating staff members were: Kenneth H. Spies, Secretary; E.J. Weathersbee, Deputy State Sanitary Engineer; Arnold B. Silver, Legal Counsel; Harold M. Patterson and Joseph A. Jensen, Assistant Chief Engineers; Harold L. Sawyer, Supervisor, Waste Discharge Permit Program; Edgar R. Lynd, Supervisor, Municipal Waste Treatment Program; Lloyd O. Cox, Supervisor, Industrial Waste Treatment Program; Leo L. Baton and Fred M. Bolton, District Engineers; F.A. Skirvin and C.A. Ayer, Associate Engineers; Fred G. Katzel, Assistant District Engineer, and Don McHarness, Assistant Engineer.

MINUTES

It was MOVED by Mr. McPhillips, seconded by Mr. Waterman and carried that the minutes of the 137th meeting of the Sanitary Authority held in Room 36 of the Portland State Office Building on February 28, 1969, be approved as prepared by the Secretary.

PROJECT PLANS

It was MOVED by Mr. McPhillips, seconded by Mr. Waterman and carried that the actions taken by the staff on the following 23 project plans and reports for water and air pollution control during the month of February be approved. The Secretary pointed out that the College Crest Heights sewer project in Eugene is for an area which the city proposes to annex without a vote of the people under the provisions of ORS Chapter 222 passed by the 1967 Legislature.

Water Pollution Control

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
2/3	Shoreline San. Dist.	Sewage Treatment Plant & 3 pump stations	Prov. app.
2/3	Forest Grove	Prel. Engrg. report for secondary treatment Forest Fiber products	Prov. app.

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
2/5	Malin	Lagoon	Prov. app.
2/13	Grants Pass	McLearn-Fairview sewer extensions	Prov. app.
2/14	Oak Lodge San. Dist.	Thiessen Terrace sewer	Prov. app.
2/14	Beaverton	S.W. Hall & Sorrento sewers	Prov. app.
2/14	Sweet Home	N. 12th Ave., No. 2 sewers	Prov. app.
2/14	Keizer Sewer Dist.	Lackhaven Drive, N.E., & 14th Ave. sewers	Prov. app.
2/14	Portland	N. Wilbur Ave. sewer	Prov. app.
2/19	Salem	32nd Ave., N.E., Ext. sewer	Prov. app.
2/19	Portland	Indian Hills sewers	Prov. app.
2/19	Oak Lodge San. Dist.	Vineyard Road sewers	Prov. app.
2/19	Sherwood	Hacker's Addition sewers	Prov. app.
2/19	Aloha San. Dist.	Glenora Subdivision sewer	Prov. app.
2/20	Portland	Oregon Steel Mills, Rivergate discharge of backwash to storm sewer	Prov. app.
2/20	Tillamook	Secondary treatment Tillamook Co. Creamery Assn.	Prov. app.
2/24	Talent	Sewers, holding pond, chlorination facilities	Prov. app.
2/25	Neskowin	Sewers and pump station	Prov. app.
2/28	Oak Lodge San. Dist. 1	Chlorine contact tank	Prov. app.
2/29	Tigard	Tigardville Subdivision sewer extension	Prov. app.
2/24	Eugene	College Crest Heights sewers	Prov. app.

Air Quality Control

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
2/14	Medford	Timber Products Co. material storage & truck dumping	Add. info. req.
2/28	Medford	Timber Products Co. particle emission from cyclones	Add. info. req.

PUBLIC HEARING DATES

It was MOVED by Mr. Mosser, seconded by Mr. McPhillips and carried that the staff be authorized to give notice of public hearings on carbon monoxide and motor vehicle regulations to be held in Portland on either April 24 or April 25, providing the staff is able to develop the proposals in time, and that notice be given of a public hearing to be held in Bend on May 9 regarding the adoption of proposed regulations governing waste disposal wells.

NATIONAL METALLURGICAL CORPORATION, Springfield

Mr. Skirvin reviewed briefly a staff memorandum which had been sent to the members on March 11, 1969, regarding the installation of air pollution control facilities by the National Metallurgical Corporation at its Springfield plant. A copy of said memorandum has been made a part of the Authority's permanent files in this matter.

Following a discussion of the company's proposal it was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that approval be granted the modified completion schedule as recommended by the staff involving approximately a 3½-month extension of time.

The company's time schedule as approved now contains the following deadlines:

- (a) Installation of control systems ready for testing - changed from November 1, 1969 to February 14, 1970.
- (b) Initial operating tests to be started - changed from November 2, 1969 to February 15, 1970.
- (c) Continuous operation of control systems - changed from December 1, 1969 to March 14, 1970.
- (d) Performance testing completed - changed from December 31, 1969 to April 14, 1970.

STATE GRANT INCREASE FOR CWRAPA

A staff memorandum dated March 24 and containing a copy of the Columbia-Willamette Regional Air Pollution Authority's request for an increase in state grant had been sent to the members in advance of the meeting and a copy has been made a part of the Sanitary Authority's permanent files.

Following a statement by Mr. Patterson regarding the staff's recommendations in this matter, it was MOVED by Mr. Meierjurgan, seconded by Mr. McPhillips and carried that the request of the Columbia-Willamette Air Pollution Authority for an increase in state grant in the amount of \$6,184 be approved.

TRANSFER OF AQC JURISDICTION (Associated and Brander Meat Companies)

Mr. Ayer reported that the required air pollution control devices and systems had finally been placed in operation at the Associated and Brander Meat Company plants both located in north Portland adjacent to the Columbia Slough and that therefore the staff has recommended that jurisdiction over these two plants be transferred to the Columbia-Willamette Air Pollution Authority.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that jurisdiction of the Associated Meat Company and Brander Meat Company plants be turned over to the Columbia-Willamette Air Pollution Authority as recommended by the staff.

SWEET HOME TANNERY

This item was not on the agenda but Mr. Justin N. Reinhardt, attorney, and Mr. Egon Steiner were present regarding the problem of providing adequate waste treatment and disposal for a new tannery which is to be built at Sweet Home.

Mr. Reinhardt stated that the company had signed a contract on February 27, 1969 with the city of Sweet Home for treatment of the tannery wastes at the municipal sewage plant. He said the staff of the Authority had requested that the company have plans prepared by a registered professional engineer for the required pretreatment works that are to be installed for the tannery. Mr. Reinhardt claimed that Mr. Steiner who has had several years experience as an operator and manager of a tannery is qualified to design such facilities and that therefore they should not be required to hire an engineer. He described the proposed facilities as consisting of two holes in the ground, each with a capacity of 18,000 gallons, which are to be used for chemical flocculation and sedimentation of the wastes prior to their being pumped to the Sweet Home sewer system. He estimated the quantity of wastes to be handled at 35,000 gallons per day. He did not know the size or type of pump that would be used, but said that whatever the Authority staff might recommend could be installed.

The Chairman explained the responsibility of the Authority in such matters and stated that since this involved technical engineering he agreed with the staff that plans must be prepared by a registered professional engineer. Mr. McPhillips referred to the problems which had been experienced by the Authority in years past with the operation of the Sherwood tannery and said he fully agreed with the staff. Mr. Harms, Mr. Waterman and Mr. Meierjurgan were of the same opinion.

The company representatives were therefore informed to have plans prepared by a professional engineer and to submit such plans to the Authority for review and approval before undertaking the construction and installation of the pretreatment units.

ALLEGED ROGUE RIVER POLLUTION

Mr. H.E. Timeus, former Curry County Commissioner and a resident of that county since 1913, was present and asked for a few minutes time to discuss the pollution problem in the Rogue River. He showed several samples of river water and photographs which he claimed indicated the presence of pollution. One dark colored sample he said was the effluent from a sewer that discharges into the river near the south end of the highway bridge at Grants Pass. It was pointed out by the Secretary that a sewer project now under construction by the city of Grants Pass will eliminate that particular discharge to the river. He said the Authority staff has been attempting for years to get that sewer eliminated, that the County of Josephine two or three years ago formed a county sewer district but the federal government refused to make a grant for the project until it was finally sponsored by the city of Grants Pass.

Mr. Baton reported on his recent observations of conditions in the Rogue River.

Mr. Timeus said he would appreciate any further action the Authority might be able to take to improve water quality in the river.

COAST PACKING COMPANY, Ontario

Mr. Cox presented a staff memorandum report dated March 28, 1969, regarding the problem of waste disposal for the Coast Packing Company's slaughterhouse and rendering plant located near Ontario, Oregon. A copy of said report has been made a part of the Authority's permanent files. It pointed out that the company has failed to comply with certain provisions of its waste discharge permit No. 289.

Mr. Al Troutman was present to represent the company. He proposed that facilities be installed for separation and drying of the blood, and that the paunch manure also be separated and disposed of by being used for fertilizer. He said they might be able to connect to the Ontario sewer system later this fall after the city expands its treatment system. He also mentioned that mechanical aerators could be installed to improve treatment and control odors. In response to a question by the members he estimated that this could be done within about 90 days.

Mr. Cox said he had not had time to evaluate the proposal because it had not been submitted prior to the meeting. Mr. Bolton described the company's facilities that had existed and the problems experienced with their operation when he was district engineer in eastern Oregon. He said the system was supposed to include an anaerobic pond followed by land irrigation but the latter was never properly developed.

After further discussion it was MOVED by Mr. McPhillips, seconded by Mr. Harms and carried that the Coast Packing Company be given until April 15 to hire a qualified engineer to design the required waste treatment and disposal facilities or steps will be taken by the Authority to revoke the company's waste discharge permit.

PROPOSED EXPANSION OF TIGARD SEWAGE TREATMENT WORKS

In a letter dated March 19, 1969, consulting engineers for the city of Tigard had requested preliminary approval by the Authority of a proposal to improve and expand the capacity of the existing Tigard sewage treatment works to serve the city until a master sewerage system is installed by the county or others.

Mr. Jensen reviewed a staff memorandum dated March 25, 1969 and referred to a resolution adopted by the Tigard City Council on March 24, 1969. Copies of both have been made a part of the Authority's permanent files in this matter. He said the staff had also received a preliminary engineering report covering alternate proposals by the city's engineers but he had been unable to confirm the engineer's statement that the proposed expansion would not exceed the BOD limitations of the city's present waste discharge permit.

The Chairman made reference to the four alternate proposals outlined in the report covering master water and sewer plans for the Tualatin Basin as prepared by Stevens, Thompson and Runyan Engineers for Washington County. He stated that as far as he is concerned any project that does not conform to the master plan adopted by the county should not receive state and federal construction grants.

It was pointed out that the Tigard project would cost an estimated \$125,000.

Mr. Steve Telfer, City Administrator, and Mr. E.G. Kyle, Mayor, were present to represent the city. Mr. Telfer commended the Authority for the

stand it has taken in the matter of sewage disposal in the Fanno Creek area. He said the Tigard city officials are concerned about the fringe area subdivisions that are in urgent need of city sewers and that they are willing to spend \$125,000 without state and federal grants to provide an interim solution to these problems for the next 3 or 4 years.

The Chairman then remarked that Aloha, Beaverton and other communities are facing the same situation and are wanting to expand their existing plants in order to meet their present needs until a master system can be installed. He pointed out that Washington County represents most of the Tualatin Basin and that since it is a home rule county there is no reason why it could not vote the bonds and proceed with the construction of a basin-wide project.

Mayor Kyle said the advice they had received from their attorney was that the county does not have adequate authority to do that. The Chairman replied that other attorneys think it does, although it is realized that the county could not force cities to connect to a master system. It would definitely have authority over special districts. He said he is sure that Multnomah County, Portland and other cities would cooperate and would be willing to contract for sewage disposal service.

In response to a question it was stated that the Tryon Creek alternate proposal for the city of Tigard would cost \$333,000 or considerably more than expansion of the city's own plant. It was estimated that detailed plans for the proposed project could be completed within 60 to 90 days.

Mr. John Crockett, Washington County sanitary engineer, said that at a meeting on March 27 the Citizens Committee had recommended that the county adopt the master plan proposed by the engineers. No recommendations have yet been made for implementing the plan, however.

It was MOVED by Mr. Mosser, seconded by Mr. Harms and carried that tentative approval be granted to Alternate A proposed by the city of Tigard provided it is found by the staff to be acceptable and with the understanding that if satisfactory progress continues to be made toward the adoption and financing of a master plan authorization will be given the city to proceed with construction of this alternate on an interim basis.

McMINNVILLE PERMIT RENEWAL

Recommended conditions for renewal of the waste discharge permit for the city of McMinnville had previously been sent to the members and to the city by the staff. One change had since been made, namely that the words "and sewer extensions" be added to condition 4(a) after the word "connection". A copy has been made a part of the Authority's permanent files.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that the waste discharge permit for the city of McMinnville be issued as amended and recommended by the staff.

WILLOW CREEK MOBILE HOMES

Mr. Jensen stated that although this item was not on the agenda, Mr. George Ward, consulting engineer, was present and wished to discuss briefly the proposed development of a 540-unit mobile homes project to be located near S.W. 185th Avenue in Washington County. Mr. Ward then described the waste disposal system that he is designing for the project. It will include a package sewage treatment plant with capacity for 135,000 gpd followed by a 17 million gallons holding pond to be constructed in a well screened ravine. The pond will have an effective storage capacity of 10 million gallons which will be more than adequate to impound the entire sewage flow during the restricted summer and fall period.

After a brief discussion of the proposal Mr. Ward was advised that he could proceed with the design and submission of plans and waste discharge permit applications for this project.

WASTE DISCHARGE PERMIT RENEWALS - Tualatin Basin

Recommended conditions for renewal of waste discharge permits for the following six sewage treatment plants in the Tualatin Basin had been prepared by the staff and copies sent to the members and applicants in advance of the meeting: (1) Beaverton, (2) Commonwealth Properties - Oak Hill, (3) Forest Grove, (4) Laurelwood Academy - Gaston, (5) Multnomah County - Fanno Creek and (6) Tualatin Development Co., Inc. - King City. Copies of the same have also been made a part of the Authority's permanent files.

Mr. Laurence Sprecher, City Manager, was present to represent the city of Beaverton. He estimated that the Beaverton sewer system is already loaded to 85 to 90% of its rated capacity. He asked what the 95% figure

in Condition No. 2 referred to and was informed that it referred to flow, BOD and suspended solids. He said he had no objection to the limitation. He commented further that the city is attempting to reduce as much as possible the infiltration of ground water into its sewer system.

It was MOVED by Mr. Meierjurgan, seconded by Mr. McPhillips and carried that the waste discharge permit for the city of Beaverton be renewed with the conditions recommended by the staff.

In response to questions by the members Mr. McHarness and Mr. Lynd commented about the Forest Grove sewerage works and stated that Cornell, Howland, Hayes and Merryfield Engineers have been retained by the city to evaluate the present system.

In answer to a question by the Chairman Mr. Lynd reported on the present status of the Fanno Creek sewage treatment plant rehabilitation and improvement project. He said that recent odors were associated with the handling of raw sludge at the plant.

Oliver Domreis, representing Multnomah County, said they have collected data from all entities regarding the first four categories of pending sewer connections.

It was then MOVED by Mr. McPhillips, seconded by Mr. Waterman and carried that the renewal waste discharge permits with the conditions recommended by the staff be issued for Commonwealth Properties (Oak Hill), City of Forest Grove, Laurelwood Academy near Gaston, Multnomah County (Fanno Creek) and Tualatin Development Co., Inc. (King City).

The meeting was then recessed at 12:20 p.m. and reconvened at 1:45 p.m.
ERDMAN PACKING COMPANY - Bandon

Mr. Baton reviewed a staff memorandum dated March 28, 1969 regarding the problem of waste disposal and the water pollution caused by the Erdman slaughterhouse located in Coos County. Mr. Melvin Erdman, owner, had been notified of the meeting but was not present. In view of the long record of non-compliance, the staff requested permission to cite the company to appear before the Authority. A copy of the staff's memorandum has been made a part of the Authority's permanent files.

It was MOVED by Mr. Meierjorgen, seconded by Mr. Harms and carried that unless action is taken by the company to abate this water pollution and nuisance condition prior to the next meeting of the Authority to be held on April 25, 1969, the Erdman Packing Company be cited to appear before the Sanitary Authority at the May 23 meeting in Coos Bay to show cause, if any exists, why abatement proceedings should not be instituted.

GRANTS PASS WASTE DISCHARGE PERMIT EXTENSION

Mr. Sawyer presented a brief memorandum from the staff regarding this matter.

Mr. Roy Norton, Public Works Director, was present to represent the city. He stated that the city had retained Brown and Caldwell Engineers in April 1968 to make a study of the city's sewage treatment needs, that delay in obtaining winter storm flow data had deferred completion of the engineer's report, that the report had been scheduled to be finished in November 1968 but now is expected to be completed about April 30, 1969, that the project will probably be scheduled in two stages - one in 1970 and one in 1980 to 1985, and that the activated sludge process is being considered (the present plant is a trickling filter).

In answer to a question by Mr. McPhillips, Mr. Norton said the city still has some combined sewers but is working toward complete separation. Mr. Meierjorgen asked how much flow the outside districts would add and Mr. Norton replied he did not know for sure.

Mr. Sawyer commented that the plant is presently overloaded with industrial wastes. It was designed for 20,000 PE.

Mr. Norton confirmed the fact that the Fruitdale-Harbeck County Service District sewer project now under construction by the city of Grants Pass will eliminate the old sugar plant sewer line previously mentioned in the meeting by Mr. Timeus.

It was MOVED by Mr. Mosser, seconded by Mr. Harms and carried that the present waste discharge permit for the city of Grants Pass be extended until May 20, 1969.

Mr. Norton asked that copies of Sanitary Authority correspondence with industries within the city of Grants Pass be sent to his office for his information.

EXTENSION OF PERMITS

It was MOVED by Mr. Waterman, seconded by Mr. McPhillips and carried that pursuant to the staff's recommendations the waste discharge permits for the following 14 applicants listed in the staff memorandum of March 28, 1969, be extended until April 30, 1969: (1) Boise Cascade Corp., Medford, (2) City of Condon, (3) City of Gold Hill, (4) City of Klamath Falls (airport plant), (5) Klamath Lumber Co., Klamath Falls, (6) Mallorie's Dairy, Silverton, (7) Modoc Lumber Co., Klamath Falls, (8) City of Nyssa, (9) Ore-Ida Foods, Inc., Ontario, (10) Reichhold Chemicals, Inc., White City, (11) Rhodia, Inc. (Chipman), Portland, (12) Shell Chemical Co., St. Helens, (13) Tektronix (Industrial), Beaverton, and (14) Weyerhaeuser Company, Klamath Falls.

The staff was instructed to notify Mainline Foods, Inc. and Fibreboard Corporation (Bird & Son) that if they do not apply for renewal of their permit, steps will be taken to stop their operations.

WASTE DISCHARGE PERMITS - Miscellaneous

Recommended waste discharge permit conditions had been prepared by the staff and submitted to the members and applicants prior to the meeting for (1) the City of Sandy, (2) the City of Estacada and (3) the Fort Hill Lumber Co. of Grande Ronde. The first one is a modification of an existing permit and the latter two are new.

Mr. Katzel explained the operations of the Fort Hill Lumber Company.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that the waste discharge permits for Sandy, Estacada and Fort Hill Lumber Co. be issued as recommended by the staff.

WASTE DISCHARGE PERMIT RENEWALS - Miscellaneous Domestic

Recommended renewal waste discharge permit conditions had been prepared by the staff and submitted in advance of the meeting to the members and applicants for (1) the City of Lebanon, (2) City of Newberg, (3) Oak Lodge Sanitary District, (4) City of St. Helens, (5) City of The Dalles and (6) City of Wood Village. Copies of the same have been made a part of the Authority's permanent files.

It was MOVED by Mr. Mosser, seconded by Mr. McPhillips and carried that the waste discharge permit for the Oak Lodge Sanitary District be renewed as recommended by the staff with one amendment, namely, that the words "of more than 6 units" be deleted from Condition No. 2.

There was then considerable discussion regarding the proposed permit for the City of St. Helens as it related to the problem of financing sewer construction in the Railroad Addition of the city. The present status of attempts to solve the latter problem was reported by Mr. Katzel, Mr. Bolton and Bob Jackson, Columbia County Sanitarian.

It was MOVED by Mr. Mosser, seconded by Mr. Waterman and carried that the present St. Helens permit be extended to July 1, 1969 with the understanding that an effort would be made to get the city to vote bonds to help finance sewers in the Railroad Addition.

Mr. Sawyer and Mr. Bolton discussed certain conditions pertaining to the Lebanon, Newberg and Wood Village projects.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that the permits for Lebanon, Newberg, The Dalles and Wood Village be renewed as recommended by the staff.

WASTE DISCHARGE PERMIT RENEWALS - Industrial

Recommended conditions for renewal of the waste discharge permits for the following 8 industries had been prepared by the staff and copies sent in advance of the meeting to the members and companies: (1) Abiqua Rock Products, Silverton, (2) Carolina Pacific Plywood, Inc., White City, (3) Evans Products Co., Corvallis, (4) Fir Ply Co., White City, (5) Klamath Tallow Co., Klamath Falls, (6) Medford Veneer and Plywood, White City, (7) Rogue Valley Plywood, Inc., White City, (8) White City Plywood Co., White City. Copies have also been made a part of the Authority's permanent files.

Mr. Cox reported that the Evans Products Company is having trouble with its new waste treatment works, that the efficiency is only about 50% due apparently to insufficient nutrients and that as a consequence the load to the river has been about 8,000 pounds per day.

It was MOVED by Mr. Meierjürgen, seconded by Mr. Harms and carried that the waste discharge permits be renewed as recommended by the staff

for the following eight industries: (1) Abiqua Rock Products, Silverton, (2) Carolina Pacific Plywood, Inc., White City, (3) Evans Products Co., Corvallis, (4) Fir Ply Co., White City, (5) Klamath Tallow Co., Klamath Falls, (6) Medford Veneer and Plywood, White City, (7) Rogue Valley Plywood, Inc., White City, and (8) White City Plywood Co., White City.

TAX CREDIT APPLICATIONS

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that as recommended by the staff (1) a tax credit certificate in the amount of \$5,332.06 be issued to Robert W. Fox for the water pollution control facilities claimed in Application T-66, (2) a tax credit certificate in the amount of \$5,150.12 be issued to Jess W. McNiel, Jr. for the water pollution control facilities claimed in Application T-67, and (3) a tax credit certificate in the amount of \$4,855.81 be issued to Kistner & Weber for the water pollution control facilities claimed in Application T-68.

OFF STREAM COOLING FOR THERMAL POWER PLANTS

Mr. Weathersbee showed some colored slides taken on an inspection trip made last December by him and Mr. Patterson of cooling towers and ponds used by five thermal power plants located in the eastern part of the United States. Also included were pictures and data regarding two power plants in California that use once through cooling with ocean water.

1969 LEGISLATION

SB 396 which proposes to reorganize the Sanitary Authority as an independent agency completely separate from the Board of Health was discussed briefly by the members.

RESIGNATION OF MR. COX

The Secretary said that he was sorry to announce that Mr. Lloyd Cox had submitted his resignation effective April 21, 1969 and has accepted a position with the Ore-Ida Corporation.

There being no further business the meeting adjourned at 3:40 p.m.

Respectfully submitted,


Kenneth H. Spies
Secretary

Table No. 3

WPC-164

Project Plans

During the Month of February 1969 the following 20 sets of project plans and engineering reports were reviewed and the action taken as indicated by the Water Quality Control Section.

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
2/3	Shoreline San. Dist.	Sewage Treatment Plant & 3 pump stations	Prov. app.
2/3	Forest Grove	Prel. Engrg. Report for Secondary treatment Forest Fiber products	Prov. app.
2/5	Malin	Lagoon	Prov. app.
2/13	Grants Pass	McLearn-Fairview sewer extensions	Prov. app.
2/14	Oak Lodge San. Dist.	Thiessen Terrace sewer	Prov. app.
2/14	Beaverton	S.W. Hall & Sorrento sewers	Prov. app.
2/14	Sweet Home	N. 12 th Avenue, No. 2, sewers	Prov. app.
2/14	Keizer Sewer Dist.	Lackhaven Drive, N.E., & 14 th Avenue sewers	Prov. app.
2/14	Portland	N. Wilbur Ave. Sewer	Prov. app.
2/19	Salem	32nd Ave, N.E., Ext. sewer	Prov. app.
2/19	Portland	Indian Hills sewers	Prov. app.
2/19	Oak Lodge San. Dist.	Vineyard Road sewers	Prov. app.
2/19	Sherwood	Hacker's Addition sewers	Prov. app.
2/19	Aloha San. Dist.	Glenora Subdivision sewer	Prov. app.
2/20	Portland	Oregon Steel Mills, Rivergate discharge of backwash to storm sewer	Prov. app.

Project Plans cont.

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
2/20	Tillamook	Secondary treatment Tillamook Co. Creamery Assn.	Prov. app.
2/24	Talent	Sewers, holding pond, chlorination facilities	Prov. app.
2/25	Neskowin	Sewers and pump station	Prov. app.
2/28	Oak Lodge San. Dist. 1	Chlorine contact tank	Prov. app.
2/29	Tigard	Tigardville Subdivision sewer extension	Prov. app.

Enurell

College Creek Abattoir

PROJECT PLANS AND REPORTS

The following project plans or reports were received and processed by the Air Quality Control staff during the month of February 1969.

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
14	Medford	Timber Products Co. Material Storage & Truck Dumping	Additional information requested
28	Medford	Timber Products Co. Particle Emission from Cyclones	Additional information requested

TO : MEMBERS OF THE STATE SANITARY AUTHORITY

John D. Mosser, Chairman
B. A. McPhillips, Member
Storrs Waterman, Member

E. C. Harms, Jr., Member
Herman Meierjürgen, Member

FROM : AIR QUALITY CONTROL

DATE : March 11, 1969

SUBJECT: AP-7 SPRINGFIELD - NATIONAL METALLURGICAL CORPORATION

As indicated in the enclosed letter, Oregon State Sanitary Authority staff members, E. J. Weathersbee, H. M. Patterson and F. A. Skirvin, recently met with National Metallurgical Corporation to discuss a problem area arising from the different methods of fabric cleaning proposed in the bids of two prominent baghouse vendors.

The problem as explained by the National Metallurgical Corporation representatives is as follows:

A. Vendor A has furnished a baghouse to an elemental silicon manufacturer elsewhere in the United States. The experience from which can be related and be of value in the proposed National Metallurgical Corporation installation. The existing unit operates with bag cleaning accomplished by shaking in conjunction with a small amount of reverse air. However, due to the nature of the fume, submicron silicon dioxide (simple glass) which readily accumulates and retains static electrical charge in a moving air stream, the existing Vendor A installation does not operate continuously. The existing unit is by-passed approximately 1/2 hour every 24 hours to accomplish complete cleaning of the fabric (also glass) and maintain the baghouse air capacity.

Vendor A proposes this same type of cleaning action for the National Metallurgical Corporation installation but will not guarantee continuous operation or an eventual pressure drop through the baghouse. These parameters are critical to evaluating the performance of the proposed installation. Vendor A also states emphatically and convincingly that its cleaning method is the only one that works.

B. Vendor B, who does not have prior experience in the collection of silicon dioxide fume, proposes a baghouse with reverse air as the primary cleaning mechanism with a shaking mechanism as standby. This vendor is also emphatic and convincing and will guarantee an eventual pressure drop and hence continuous

operation. The use of primary reverse air necessitates bags containing rings to prevent complete collapse during cleaning. The problems of bag wear and unsatisfactory cleaning could develop with the ringed bags if excessive shaking should be required.

COMPANY PROPOSAL:

In order to determine which cleaning mechanism should be used to obtain the most efficient installation, National Metallurgical Corporation proposes to immediately award the project contract to either Vendor A or Vendor B. The selected vendor will pilot test both cleaning mechanisms in order to optimize the full scale installation. The company requests a maximum of three months' extension in the originally proposed time schedule due to the required testing. They cite the benefits to be economic (better bag life and less maintenance) and better performance (24-hour per day operation and less down time for maintenance).

STAFF EVALUATION:

The staff has prepared and attached a table containing the original schedule and the changes induced by the proposed test program. The requested additional time for testing appears reasonable and should result in maximum performance of the full scale installation with respect to efficiency and sustained operation. It is recognized by the staff that certain physical properties of National Metallurgical Corporation's fume, i.e., particle size, electrical parameters, temperature, and bulk density as examples, in addition to the lack of control installations on comparable manufacturing processes complicates the engineering design.

Due to the prominence of Vendors A and B, the staff does not feel that either vendor's thoughts on cleaning mechanism can be discounted.

STAFF RECOMMENDATION:

The staff believes that the use of the data from the proposed testing in designing the full scale installation has sufficient merit to allow the three months' additional time. Therefore, the staff recommends approval of the National Metallurgical Corporation request.

TIME SCHEDULE FOR INSTALLATION OF
 FUME CONTROL SYSTEM
 NATIONAL METALLURGICAL CORPORATION
 Springfield, Oregon

Original Proposal	Proposed Modification
1. Engineering plans, including all design criteria related to the performance of the air contaminant control system or systems, shall be submitted to the Authority by February 1, 1969, for review and approval.	None
2. A detailed listing of all required equipment and services showing delivery and/or completion dates for each item shall be filed with the Authority by March 1, 1969.	Date changed to March 27, 1969.
3. Official copies of purchase orders or contracts for all equipment and services which are related to or are a part of the control system or systems including those engineering specifications directly related to performance, shall be filed with the Authority within seven (7) days after the issue dates.	None
4. Written progress reports shall be submitted to the Authority by the 7th day of each month for the previous month, commencing April 7, 1969, and will continue to be submitted until the project is completed.	None
5. A proposal for handling and disposal of the collected material shall be submitted to the Authority by September 1, 1969, for review and approval.	None
6. The control system or systems shall be installed and ready for testing operations by November 1, 1969.	Date changed to February 14, 1970.
7. Initial operating tests shall commence by November 2, 1969.	Date changed to February 15, 1970.
8. The control system or systems shall be operating continuously according to design specifications by December 1, 1969.	Date changed to March 14, 1970.
9. Performance testing shall be completed and the resulting data submitted to the Authority by December 31, 1969. The resulting data shall include, but not be limited to: Gas volumes, velocities, temperatures, dust loadings, furnace operating conditions, and any other data necessary for evaluating the performance of the system or systems.	Date changed to April 14, 1970

NATIONAL METALLURGICAL CORP.

A SUBSIDIARY OF KAWECKI CHEMICAL COMPANY

EASTERN SALES OFFICE
EAST 42ND STREET
NEW YORK, NEW YORK

P. O. BOX 56
SPRINGFIELD, OREGON 97477

PLANT LOCATION
1801 SOUTH "A" STREET
SPRINGFIELD, OREGON
PHONE: 503 746-7674

March 7, 1969

RECEIVED

MAR 10 1969

Air Pollution

H. M. Patterson, Chief
Air Quality Control
Oregon State Sanitary Authority
P. O. Box 231
Portland, Oregon

Subject: Pollution Control Equipment

Dear Mr. Patterson:

This confirms our conversation in your office on March 6, 1969, with Messrs. E. J. Weathersbee, F. Skirven, Frank Pizzimenti (Frederiksen Engineering), A. L. Fala and R. L. Eschelman (Kawecki Berylco Industries, Inc.). In conforming to our schedule dated November 26, 1968, we have reviewed vendors quotations for a bag house installation. This review indicates that there is an un-resolvable difference in basic operations between the two most qualified vendors. This difference involves the removal of fume from the fabric, which is important for reliable and effective operation of the filter. To resolve this difference, we will commit ourselves to a manufacturer who will furnish a prototype filter to achieve the following objectives:

1. Resolve bag cleaning differences.
2. Determine reliability of operation.
3. Verify design criteria.
4. Evaluate the fume collected for handling and disposal.

This additional work reflects in our compliance schedule as follows:

1. Request revised quotes - November 29, 1968 (Completed)
2. Closing date for receiving quotes - January 15, 1969 (Completed)
3. Review quotes and select vendor - March 1, 1969 (Completed)

H. M. Patterson, Chief
Air Quality Control
March 7, 1969
Page 2

4. Commit to manufactures and order prototype -
March 15, 1969
5. Prototype installed - May 3, 1969
6. Final design specifications established - June 14, 1969
7. Delivery (Estimated) - December 14, 1969
8. Installation complete - February 14, 1970
9. Start-up complete - March 14, 1970

We feel strongly that additional efforts spent initially will provide long range benefits from an economic view and to better insure performance.

Thank you for your cordial reception and cooperation.

Very truly yours,



F. A. Kosciolk
Plant Manager

FAK/mw

CC: R. Eschelmann (2)
F. Pizzimenti
H. Camarot

To: AMP

RHS

COLUMBIA-WILLAMETTE AIR POLLUTION AUTHORITY

1010 N. E. COUCH STREET

PORTLAND, OREGON 97232

PHONE (503) 233-7176

18 March 1969

Oregon State Sanitary Authority
1400 Southwest 5th Avenue
Portland, Oregon 97201

Attention: Mr. K. H. Spies, Secretary and Chief Engineer

Re: Resubmission of Request for Supplemental
Allocation of State Funds

BOARD OF DIRECTORS
M. James Gleason, Chairman
Multnomah County
Robert L. Glosenger
Columbia County
Fred Stefani
Clackamas County
Francis J. Ivancle
City of Portland
Mark A. Grayson
City of Portland
Richard E. Hatchard
Program Director

Gentlemen:

In accordance with the opinion expressed by the Chairman at the 28 June 1968 meeting of the Sanitary Authority, our letter of 11 July 1968 indicated our intent to request allocation of additional State funds for the period 1 July 1968-30 June 1969 upon approval by the National Air Pollution Control Administration of a retention grant application.

The retention grant was approved 4 February 1969 in the total project amount of \$74,210. This amount includes \$55,658 retained Federal funds and \$18,552 local funds. A copy of the NAPCA-DCAD award notice was forwarded with our previous letter of 10 March 1969.

State funds allocated this agency for the period 1 January 1968 through 30 June 1968 totalled \$12,000. Of this amount, \$11,009.72 has been paid by the State leaving an unexpended balance of \$990.18.

State funds allocated this agency for period 1 July 1968 through 30 June 1969 total \$30,250 which is sufficient for the State's maximum authorized share for our basic and supplemental projects totalling \$363,000.

May we now request an additional allocation of funds sufficient to provide \$6,184, the State's maximum allowable share of the \$18,552 local funds required for our retention grant application.

Very truly yours,

RE Hatchard
R. E. Hatchard
Program Director

REH:jlj

Director & Secretary
Oregon State Board of Health
RECEIVED
MAR 20 1969

DEF	TEMP	PERM
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OREGON STATE SANITARY AUTHORITY

AIR QUALITY CONTROL

March 24, 1969

Regional Air Quality Centers
Summary of Request and Allocations

	Granted	Unexpended	Expended
<u>Lane Regional APA</u>			
FY 1967-68	\$ 9,677	\$2,772.75	\$ 6,904.25
FY 1968-69	<u>16,073</u>		
	\$25,750		
<u>Columbia-Willamette APA</u>			
FY 1967-68	\$12,000	990.18	\$11,009.82
FY 1968-69	30,250		
Supplemental Request (Pending)	<u>6,184</u>		
	\$48,434		
<u>Mid-Willamette Valley APA</u>			
FY 1967-68	\$ 7,449	\$1,732.65	\$ 5,716.35
FY 1968-69	9,024		
Supplemental Request (Approved)	<u>149</u>		
	\$16,622		
Total of Funds Requested	\$90,806		
Total of Unexpended Funds		\$5,495.58	
Current Fund Request Total			\$85,310.42
Funds Allocated to Regions for Biennium			\$90,680.00
Fund Balance			\$ 5,369.58

TO : MEMBERS OF THE STATE SANITARY AUTHORITY

John D. Mosser, Chairman
B. A. McPhillips, Member
Storrs Waterman, Member

E. C. Harms, Member
Herman P. Meierjurgan, Member

FROM : AIR QUALITY CONTROL STAFF

DATE : March 24, 1969 for March 28, 1969 Meeting

SUBJECT: COLUMBIA-WILLAMETTE AIR POLLUTION AUTHORITY
REQUEST FOR STATE FUNDS

As explained in the enclosed letter from the Columbia-Willamette Air Pollution Authority, a request for additional State funds in the amount of \$6,184 for the period through June 30, 1969 has been received.

The retention grant request which was approved by the Federal government is based largely on unexpended funds during the prior period for data acquisition and some laboratory equipment which will be expended this period if approved.

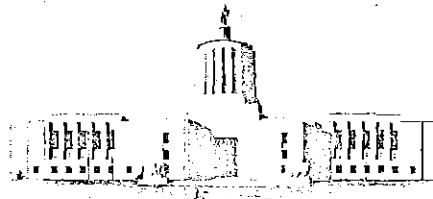
Recommendation:

It is recommended that an allocation of \$6,184 of State funds be made to Columbia-Willamette Air Pollution Authority for the period through June 30, 1969.

Status of Funds Available:

(See attached summary which includes this current request.)

MEMBERS OF THE AUTHORITY
JOHN D. MOSSER, CHAIRMAN, PORTLAND
STORRS S. WATERMAN, PORTLAND
A. McPHILLIPS, McMINNVILLE
RMAN P. MEIERJURGEN, BEAVERTON
EDWARD C. HARMS, JR., SPRINGFIELD
KENNETH H. SPIES, SECRETARY, PORTLAND



MAILING ADDRESS:
P. O. BOX 231
PORTLAND, OREGON 97207
TELEPHONE:
AREA CODE 503
226-2161

STATE OF OREGON
OREGON STATE SANITARY AUTHORITY
A DIVISION OF THE OREGON STATE BOARD OF HEALTH
STATE OFFICE BUILDING
1400 S. W. 5TH AVENUE
PORTLAND, OREGON 97201

March 19, 1969

TO : MEMBERS OF THE STATE SANITARY AUTHORITY

John D. Mosser, Chairman
B. A. McPhillips, Member
Storrs Waterman, Member

E. C. Harms, Jr., Member
Herman Meierjurgan, Member

FROM : AIR QUALITY CONTROL STAFF

SUBJECT: ASSOCIATED MEAT CO.

On March 6, 1969, an inspection of the rendering facilities and their odor control at Associated Meats was made. The system, consisting of vacuum ejectors to collect odorous gases from the rendering cookers and a duct from that system to carry non-condensable gases to the plant's power boiler firebox was complete and conformed to the Sanitary Authority order of March, 1968. Installation of the system had been delayed by slow delivery of the equipment and by inclement weather.

At the time of the inspection, housekeeping practices also appeared to be in compliance with the Sanitary Authority order.

The Staff recommends that jurisdiction over this company be turned over to Columbia-Willamette Air Pollution Authority.

cc: CWAPA

TO : MEMBERS OF THE STATE SANITARY AUTHORITY

John D. Mosser, Chairman
B. A. McPhillips, Member
Storrs Waterman, Member

E. C. Harms, Jr., Member
Herman Meierjurgan, Member

FROM : AIR QUALITY CONTROL STAFF

DATE : March 28, 1969

SUBJECT: BRANDER MEATS

An odor control system has been installed on the rendering facilities at this plant. Gases and steam evolved during the rendering and blood-drying processes are condensed after having been withdrawn in a vacuum system. Non-condensable gas^s that remain are drawn through a duct to the plant's boiler firebox and thus incinerated, in conformance with the Sanitary Authority Order of March, 1968.

It is concluded that problems of housekeeping that may remain, and that necessary surveillance to ensure that the apparatus is operating properly, are within the capability of Columbia-Willamette Air Pollution Authority, and that jurisdiction over Brander Meat be transferred to that Authority.