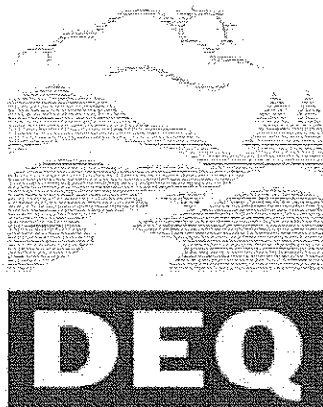


10/24/1969

**OREGON
ENVIRONMENTAL QUALITY
COMMISSION MEETING
MATERIALS**



State of Oregon
**Department of
Environmental
Quality**

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AGENDA

Environmental Quality Commission Meeting

9:00 a.m., October 24, 1969

Bend Senior High School, 230 E. Sixth Street, Bend, Oregon

PUBLIC HEARINGS

- ✓ A. 9:00 a.m. Proposed Water Quality and Waste Treatment Standards for Deschutes River Basin
- ✓ B. 2:00 p.m. Proposed Schedule for Off-Season Perennial Grass Seed Field and Other Burning

OTHER ITEMS (To be spaced as time permits)

- ✓ C. Minutes of September 26, 1969 meeting
- D. Project Plans for September 1969
- ✓ E. Air Pollution in Prineville Area
- ✓ F. Requests for Reconsideration of September 26, 1969 Tualatin Basin Order
 - 1. City of Hillsboro
 - 2. City of Forest Grove
 - 3. Multnomah County
 - 4. Washington County
- G. Boise Cascade Corporation, Salem Pulp Mill Waste Treatment
- H. Tax Credits Applications
 - 1. Precision Cast Parts Corp. T-56
 - 2. Willamette Industries, Inc. T-94
 - 3. The Amalgamated Sugar Co. T-95
- ✓ I. Waste Discharge Permits
 - 1. Oregon Metallurgical Corp.
 - 2. Sheridan
- J. Waste Discharge Permits (Renewals)
 - 1. Cornucopia Placers
 - 2. Walter E. Koch Lumber Co.
 - 3. Rogers Walla Walla (Athena)
 - 4. Rogers Walla Walla (Milton-Freewater)
 - 5. Vira Corporation (Country Squire Motel)
- ✓ K. Waste Discharge Permits (Proposed Modifications - Tualatin Basin)
 - 1. Aloha S.D.
 - 2. Beaverton
 - 3. Commonwealth (Oak Hills)
 - 4. Cornelius
 - 5. Forest Grove
 - 6. Hillsboro (Rock Creek)
 - 7. Metzger S.D.
 - 8. Oregon Primate Center
 - 9. Southwood Park S.D.
 - 10. Sunset Valley S.D.
 - 11. Tektronix, Inc.
 - 12. Tigard
 - 13. Tualatin
 - 14. Tualatin Development Co.
 - 15. Tualatin Valley Sanitation Co.
 - 16. Willow Creek Mobile Villa

L. Waste Discharge Permits (New - Tualatin Basin)

- | | |
|-------------------------------|-------------------|
| 1. Hillsboro Jr. High School | 3. Sherwood |
| 2. Homes Assn. of Cedar Hills | 4. Sweetbrier Inn |

M. Proposed Regulations pertaining to Waste Discharge Permits

HMP

MINUTES OF FIFTH MEETING
of the
Oregon Environmental Quality Commission
October 24, 1969

The fifth regular meeting of the Oregon Environmental Quality Commission was called to order by the Chairman at 9:00 a.m., Friday, October 24, 1969, in the auditorium of the Bend Senior High School, 230 E. Sixth Street, Bend, Oregon. Members present were B.A. McPhillips, Chairman, Edward C. Harms, Jr., George A. McMath, Herman P. Meierjorgen and Storrs S. Waterman.

Participating staff members included Kenneth H. Spies, Director; E.J. Weathersbee, Deputy Director; A.B. Silver, Legal Counsel; Harold M. Patterson, Air Quality Control Division Director; J.A. Jensen, Municipal Sewerage Chief Engineer; Fred M. Bolton, C.K. Ashbaker and Harold W. Merryman, District Engineers; Glen D. Carter, Water Quality Analyst; Harold L. Sawyer, E.R. Lynd and P.D. Curran, Supervising Engineers; Harold W. McKenzie, Associate Engineer, and R. Bruce Snyder, Meteorologist.

WATER QUALITY STANDARDS PUBLIC HEARING

Proper notice having been given as required by statute and copies of the proposed standards having been sent to the interested parties, a public hearing was held for the purpose of considering the adoption of special water quality and waste treatment standards for the Deschutes River Basin.

The Chairman called first on State Representative Sam Johnson of Redmond. On behalf of the people of Crook, Deschutes and Jefferson Counties Mr. Johnson welcomed the Commission members to Bend and expressed his pleasure that such high water quality standards were being considered for the Deschutes River Basin. He said Oregon has good pollution control laws, that the major difficulty is implementing the laws and that, as a consequence, there must be an increase in control efforts at all levels of government.

Mr. Carter of the Department's staff then presented a prepared statement which reviewed the proposed standards and the plan or program for implementing them. As a part of his statement he read from the proposed standards all of Table A (the list of beneficial uses to be protected),

all of Section I - Special Water Quality Standards and all of Section II - Minimum Standards for Treatment and Control of Wastes, pages 11 to 16, plus all of the Department's Proposed Program of Implementation, pages 23 to 25.

He corrected the wording in the standard for temperature, sub-section E, page 13, by deleting after the word "accommodate" the words "essential dredging, construction or other." He also amended the statement pertaining to dissolved oxygen on page 17 by adding in the last sentence of paragraph 1 after the word "are" the word "generally."

The Honorable D.L. Penhollow, Deschutes County Judge, presented a resolution adopted on October 15, 1969 by the Deschutes County Court expressing opposition to the disposal of any waste in the Deschutes River or its tributaries. He emphasized the present high degree of purity of the Deschutes River waters.

Mr. Ronald D. Anderson, Supervisory Sanitarian, presented a prepared statement in behalf of the Tri-County Health Department. He recommended that the Environmental Quality Commission request the Federal Water Pollution Control Administration to make a study of various methods of waste disposal in the Deschutes Basin, that the counties combine their efforts toward a complete regional study, and that until such studies are made the proposed waste treatment requirements not be adopted by the Commission.

Mr. Donald V. McCallum, President of Sunriver Properties, Inc., asked that the hearing be postponed for 90 days to allow more time for review of the proposal and for preparation of testimony. He submitted a written statement in support of his request.

Mr. J. Pat Metke, resident of Bend and member of the Oregon Game Commission, read a joint statement of the Game Commission and the Fish Commission of Oregon. He stated that in general they agree with the proposed standards and will cooperate fully in the achievement of established goals. He stressed the importance of basing the standards on the requirements of low flow conditions.

Mr. Uel G. Jackson of the city of Redmond read a statement written by Dr. Neil E. Morris opposing the discharge of treated sewage effluent into the Deschutes River.

Mrs. Joyce Johnson, President of the Bend League of Women Voters, read a statement for that organization urging the Commission to establish and enforce standards which truly preserve and enhance water quality in the Deschutes River.

Mr. William G. Ellis, President of PURE (Preserve Our Urban and Rural Environment), made a statement in behalf of that local organization. He too urged that no waste effluent of any nature be permitted to drain into the Deschutes River or its tributaries. He implied that the proposed standards would result in a downgrading of the present water quality. He asked why it was proposed to adopt standards at this particular time, why public hearings are held during the week instead of on weekends and how the standards would apply to industrial activities.

Mr. Darrel Walton of the Bend Jaycees submitted a statement signed by 322 residents of the basin which stated that they are opposed to the waste treatment standards proposed by the Commission and further are opposed to any effluent being discharged into the Deschutes River. He also presented a statement in behalf of the Oregon Tuberculosis and Respiratory Disease Association, Central Region, which concurred with the recommendations made by Mr. Anderson of the Tri-County Health Department. He referred to ORS 449.550 which pertains specifically to the Deschutes River.

Mr. Paul C. Ramsay said he represents ZAMO, an organization that is against state use of private property. He objected to the authority given to the Commission by the Legislature to adopt water quality standards. He claimed that no discharge of any kind should be permitted in the river.

Mr. Bob Nordahl, a resident of Bend, said he is an ecologist and proceeded to give a lecture on the subject of ecology. In response to his question, Mr. Weathersbee explained the type and degree of treatment that would be needed to meet the requirement of 5 mg/liter of BOD and suspended solids specified for the upper Deschutes and Metolius Rivers.

The hearing was recessed at 10:30 a.m. and reconvened at 10:45 a.m.

Dr. George D. McGeary, Pathologist and Medical Laboratory Director, claimed that the effluents from even advanced waste treatment processes would pollute the river and therefore should not be discharged into it.

Mr. Garvan Pat Bucaria, school teacher, pointed out that the Deschutes River is nationally known for its beauty and high quality. He admitted that special water quality standards should be adopted for its protection but he is opposed to the discharge into the river of any effluents. He said he thinks a long range study of the ecology of the area should be made first.

Mr. Chester MacMillan thanked the Commission for holding its hearing in the city of Bend.

Mr. Donald Snelling, chemist and biologist from Portland, pointed out that there is no control over the effluents that are presently being discharged into the lava sink holes of Central Oregon. He said it would be much better to provide advanced treatment and to discharge the effluent into the river. He stressed the need for zoning in order to control industrial development in the basin.

The last person to make a statement was Mr. Ted Lyster who expressed support for preserving and enhancing the water quality in the Deschutes Basin.

The Director then read for the record the following letters or statements:

(1) A letter from the Bend Memorial Clinic dated October 20, 1969, signed by 8 medical doctors and the administrator, opposing the discharge of treated effluents into the river, (2) a letter from the Federal Water Pollution Control Administration dated October 21, 1969, signed by Bryan M. Johnson for James L. Agee, Regional Director, approving in full the proposed water quality and waste treatment standards, (3) a letter from The Dalles League of Women Voters, dated October 21, 1969, (4) a letter from John D. Williams, D.D.S., dated October 24, 1969, opposing the discharge of any effluent to the river, (5) a letter from Dean W. Masterson, D.M.D., dated October 23, 1969, opposing the discharge of any effluent to the river, (6) a statement signed by 284 residents of Central Oregon opposing the disposal into the river of any waste or sewage, treated or untreated.

Copies of the above letters and statements and also of the previously mentioned statements read by Glen Carter, Judge D.L. Penhollow, Ronald D. Anderson, Donald V. McCallum, J. Pat Metke, Uel G. Jackson, Joyce Johnson, William G. Ellis and Darrel Walton have been made a part of the Commission's files in this matter.

It was MOVED by Mr. Harms, seconded by Mr. McMath and Mr. Waterman and carried that final action on the proposed standards be postponed until at least the next meeting of the Commission and that in the meantime the staff prepare a formal written response to some of the points raised at the hearing, including consideration of higher standards and whether or not it is practicable to use alternate methods of treatment and disposal which would not require discharging any effluent to the river.

The hearing was adjourned at 12:00 noon.

The meeting was reconvened at 1:30 p.m.

REQUESTS FOR RECONSIDERATION OF SEPTEMBER 26, 1969 TUALATIN BASIN ORDER

Mr. Jensen read the staff memorandum report dated October 21, 1969, pertaining to this subject. He pointed out that since September 26, when the ban on sewer connections was adopted by the Commission, letters had been received from the cities of Hillsboro and Forest Grove and the counties of Washington and Multnomah asking for reconsideration or for certain variances. He recommended that the ban be reaffirmed and continued in effect but that sewage connection offsets and replacements which will not result in any increased loads on the treatment facilities be permitted, and further that special water quality and waste treatment standards be adopted as soon as possible for the Tualatin Basin. He presented a copy of such proposed standards.

Mr. J.W. Barney, City Manager, then presented a detailed statement for the city of Hillsboro. He said they consider the September 26 ban as inequitable and extremely unfair. He claimed that it has been a severe shock to the economy of the Tualatin Valley. He asked that the ban be lifted for all plants that meet the standards fixed by their respective waste discharge permits. He said that in Hillsboro there are currently some 750 to 1,000 lots that are accessible to but not served by city

sewers, that in 1968 only 172 sewer connections were made and that thus far in 1969, 227 sewer connection permits have been issued.

He was advised that the September 26 order does not prohibit their proceeding to build a new and improved sewage treatment plant for the west side but in fact it requires that the city proceed with such a project.

Mr. Daniel Potter, City Manager, read a similar statement for the city of Forest Grove. He pointed out that their waste treatment plant has been operating well within the limitations of their waste discharge permit. He therefore requested that the ban be lifted as far as Forest Grove is concerned. He requested further that if the ban could not be lifted they at least be given permission to make sewage connection offsets or replacements.

Next, Mr. Eldon Hout, Chairman of the Washington County Board of Commissioners, read a statement for Washington County. To illustrate the economic hardship caused by the ban he had Ken Meng, Public Works Director, and Richard Milbrodt, County Administrator, show several colored slides of subdivision developments which had previously been started but which allegedly are now at a standstill because they cannot be served by public sewers. He proposed a 5-point program including (1) adoption of water quality standards for the Tualatin Basin, (2) easing of restrictions for construction in progress at the time the ban was adopted, (3) continued support of the city of Tualatin R & D waste treatment project, (4) permit new connections where existing treatment plants meet waste discharge permit requirements and (5) authorize transfer of existing connections for new ones of the same purpose.

He was assured that the city of Tualatin R & D project would be able to go ahead as originally planned.

At this point in the meeting the Chairman had to leave because of an emergency call from Portland and Mr. Harms took over as Acting Chairman.

Mr. Larry Sprecher, City Manager of Beaverton, urged that the Commission not relax the ban until it can be assured that a permanent solution to the problem will be forthcoming. He said experience had shown that individual bans are ineffective.

Mr. Robert Nordlander, Director of Public Works for Multnomah County, then presented a plea for reapproval of the project which was approved by the State Sanitary Authority on June 27, 1969 for diversion of sewage from the Fanno Creek system to the Tryon Creek system. He made this plea because the September 26 ban included no provision for allowing additional connections to replace the sewage flow diverted to the Tryon Creek system.

He claimed the proposed diversion would relieve the pollution for maybe as long as 2 years because of the time required to make the replacement connections. He said some 650,000 gpd would be pumped to the Tryon Creek system compared to a normal summer flow at the Fanno Creek plant of 2.7 mgd.

In reply to a question by Mr. Weathersbee, Mr. Nordlander stated it would be extremely difficult to install the pump station so that it would divert the entire upstream flow of sewage instead of just a portion of it.

In response to an inquiry by Mr. Meierjurgan, Mr. William Monahan, Assistant City Engineer for the city of Portland, pointed out that all of the flow from the proposed pump station would go to the Tryon Creek plant except in the case of an emergency it could be by-passed to the Columbia Blvd. plant.

Mr. Nordlander explained the project will cost Multnomah County an estimated \$80,000 and that they need enough new sewer connections to raise that amount.

After considerable discussion it was MOVED by Mr. Waterman and seconded by Mr. Harms that the Commission reaffirm its action taken on June 27, 1969, in this matter except that when 750 additional connections have been made to the Fanno Creek system the situation be evaluated before allowing another 250 connections. The motion failed.

Following a recommendation by Mr. Weathersbee, it was MOVED by Mr. Harms, seconded by Mr. Meierjurgan and carried that the proposed diversion be allowed on the basis of 2 gallons added for each 3 gallons removed by the diversion.

Next it was MOVED by Mr. McMath, seconded by Mr. Waterman and carried that the staff report and recommendations presented by Mr. Jensen regarding the Tualatin pollution problem be adopted.

It was then MOVED by Mr. Waterman, seconded by Mr. McMath and carried that a public hearing be held on December 19, 1969 for consideration of proposed water quality and waste treatment standards for the Tualatin Basin.

Mr. Kenneth W. Baines, Attorney, presented a letter dated October 21, 1969 which outlined the facts pertaining to the refusal of a building permit by the Department staff and the city of Beaverton for a 41-unit apartment house proposed by Mr. Jim Hemstreet, Contractor.

After reviewing the matter, it was MOVED by Mr. Harms, seconded by Mr. Meierjorgen and carried that the Commission authorize the issuance of a permit by the city of Beaverton for the 41-unit apartment house.

Copies of the report by Mr. Jensen, the statements by Mr. Barney, Mr. Potter and Mr. Hout and the letter by Mr. Baines have been made a part of the Department's files in this matter.

PUBLIC HEARING REGARDING FIELD AND OTHER BURNING

Appropriate notice having been given to all interested parties the public hearing regarding a proposed schedule for off-season perennial grass seed field and other burning was called to order by Mr. Harms, Acting Chairman, at 3:45 p.m.

Mr. Snyder reviewed the proposed schedule and explained the pollution potential index. A copy of the proposed schedule has been made a part of the Department's files in this matter. Mr. Snyder pointed out that it applies only to the Willamette Valley and not to the entire state of Oregon.

Mr. John Horton, Attorney, was present and requested that he be the Attorney of Record before the Environmental Quality Commission in all matters involving seed growers. He objected to the proposed schedule on grounds that he did not get a copy of it until the Monday preceding the hearing and therefore allegedly had not had ample time to review it thoroughly. He objected further on grounds that the law sets forth the priority for burning of various type of crops which he claimed is different than that set forth in the schedule. His objections were duly noted and

answered by Mr. Harms.

There being no one else who wished to be heard in this matter, it was MOVED by Mr. McMath, seconded by Mr. Waterman and carried that the Commission adopt an order incorporating the field burning schedule as presented by Mr. Snyder.

The hearing in the matter was then adjourned.

BOISE CASCADE CORPORATION, SALEM PULP MILL WASTE TREATMENT

Mr. Weathersbee presented the staff's memorandum report dated October 21, 1969, regarding the company's preliminary proposal for chemical recovery and secondary treatment of its pulp and paper mill effluents at its Salem mill. A copy of the report has been made a part of the Department's files in this matter. It contains the recommendation that the company's preliminary proposal be approved with a maximum BOD discharge of 8,000 lbs/day during low river flow periods and with maximum efficiency of recovery and treatment during the higher river flow periods. Consideration will be given to increased BOD discharges to accommodate increased production after it has been demonstrated that water quality standards can be met under low river flow conditions and that the river can accept increased waste loads.

Mr. C.J. Fahlstrom, Resident Mill Manager, and Mr. Joe Kolberg, Engineer, were present to represent the company. They were in basic agreement with the staff report.

It was MOVED by Mr. Meierjurgan, seconded by Mr. McMath and carried that the Commission accept the recommendation of the staff that the Boise Cascade Corporation's preliminary proposal be approved under the conditions set forth in the staff report.

OREGON METALLURGICAL CORPORATION WASTE DISCHARGE PERMIT

Mr. Weathersbee read the staff report dated October 15, 1969, regarding the proposed integrated titanium facilities at the Oregon Metallurgical Corporation plant in Albany. He also reviewed the conditions of the proposed waste discharge permit. Copies of both the report and proposed permit have been made a part of the Department's files.

Representatives of the company and also the city of Albany were present but had no specific comments to make.

It was MOVED by Mr. Meierjurgan, seconded by Mr. Waterman and carried that the waste discharge permit for the Oregon Metallurgical Corporation plant at Albany be issued as recommended by the staff.

CITY OF SHERIDAN WASTE DISCHARGE PERMIT

Mr. Bolton reviewed the conditions of the waste discharge permit recommended by the staff for the city of Sheridan. City Recorder Robert D. Wells and Councilman Martin Rotto had been present at the meeting but had to leave before this matter was heard. Mr. Bolton therefore advised the Commission of the city's request that in condition No. 1 of the recommended permit the date February 1, 1970 be changed to April 1, 1970 for completion of financial arrangements. Mr. Bolton recommended that such a change be made.

It was MOVED by Mr. Meierjurgan, seconded by Mr. McMath and carried that the waste discharge permit for the city of Sheridan be issued with the above change as recommended by the staff.

AIR POLLUTION IN PRINEVILLE AREA

Mr. Ashbaker read the staff report dated October 16, 1969 which summarized the air quality problems in the Prineville area. A petition signed by 665 residents had recently been submitted to the Department asking that action be taken to abate the air pollution caused by lumber mills in the area.

Mr. Ashbaker recommended that about February 1, 1970 another survey of the area be made to evaluate the progress made in the meantime by the individual mills to control their atmospheric emissions and that any mill that has not made satisfactory progress by that date be cited to appear and show cause why action should not be taken to require it to comply with state standards.

Mr. C.R. May, Prineville resident, testified in support of the petition.

Mr. James F. Bodie, Attorney for the mills, claimed that the companies are working to solve their problems.

Mr. Darrel Walton supported the staff's recommendation.

Two other residents of the area also made statements in support of the petition.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that the Department staff be requested to report to the Commission at its February 1970 meeting on the progress made by the mills in eliminating air pollution in the Prineville area, particularly after the Brooks-Willamette plant has started using the maximum amount of wood waste, and that those violators not showing adequate progress in abating smoke and particulate emissions be cited after that date to show cause why such pollution should not be abated.

MINUTES OF SEPTEMBER 26, 1969 MEETING

It was MOVED by Mr. Waterman, seconded by Mr. McMath and carried that the minutes for the fourth regular meeting of the Commission held on September 26, 1969 in the Portland City Hall be approved as prepared by the Director.

PROJECT PLANS

It was MOVED by Mr. McMath, seconded by Mr. Waterman and carried that the actions taken by the staff during the month of September on the following 63 water quality control and 1 air quality control projects be approved:

Water Pollution Control

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
9/2/69	Forest Grove	Fir Road and Main St. sewers	Prov. app.
9/2/69	Milwaukie	Sewage pumping station	Prov. app.
9/2/69	Monmouth	Sewer extension	Prov. app.
9/2/69	South Suburban S.D.	Moyina Manor Subdivision	Prov. app.
9/2/69	Springfield	Sewer extension	Prov. app.
9/2/69	Tillamook	Sludge lagoon - Tillamook Cheese & Dairy Assoc.	Prov. app.
9/3/69	Dundee	Project Addendum No. 1	Prov. app.
9/3/69	McMinnville	Misc. sewer extensions	Prov. app.
9/8/69	Gresham	Johnson Creek interceptor	Prov. app.
9/9/69	Willamette Lutheran Homes	Chlorination facility	Prov. app.
9/11/69	Albany	Misc. sewer extensions	Prov. app.
9/11/69	Gresham	Kane Road Lateral No. 1	Prov. app.
9/11/69	Gresham	West Interlachen Sub- division sewers	Prov. app.
9/11/69	Klamath Falls	Preliminary Proposal - T.P. Packing Co., industrial waste facilities	Prov. app.
9/11/69	Portland	Misc. sewer extensions	Prov. app.

Water Pollution continued

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
9/11/69	Springfield	Misc. sewer extensions	Prov. app.
9/12/69	Cottage Grove	Weyco, industrial waste, preliminary proposal	Comm. sub.
9/12/69	Ontario	Ore-Ida, industrial waste, final plans for secondary treatment	Prov. app.
9/12/69	Tigard	Bonita Road sewer	Prov. app.
9/12/69	Tigard	Brookway sanitary sewer	Prov. app.
9/12/69	Tigard	Derry Dell trunk	Prov. app.
9/12/69	Tigard	Leron Heights	Prov. app.
9/12/69	Tigard	S.W. Carol Court	Prov. app.
9/12/69	Tigard	S.W. 72nd Avenue	Prov. app.
9/15/69	Lake Oswego	Sanitary sewers, LID #117	Prov. app.
9/17/69	Bend	Sewage treatment plant	Prov. app.
9/17/69	Dufur	Chlorination facilities	Prov. app.
9/17/69	Metzger San. Dist.	Lateral A22-2	Prov. app.
9/17/69	Oregon City	McMurchie Addition	Prov. app.
9/17/69	Salem	Windsor Avenue	Prov. app.
9/17/69	West Linn	Fritchies Addition	Prov. app.
9/18/69	Aloha San. Dist.	Cheryl Subdivision	Prov. app.
9/18/69	Aloha San. Dist.	S.W. Vincent Court	Prov. app.
9/18/69	Gresham	Firestone Park	Prov. app.
9/18/69	Keizer Sewer D. #1	Terrace Garden No. 3	Prov. app.
9/18/69	Lincoln City	Fleet Street (Taft)	Prov. app.
9/18/69	Metzger San. Dist.	Den Wood Village	Prov. app.
9/18/69	Oregon City	Molalla Road extension	Prov. app.
9/18/69	Port Orford	Sanitary sewer laterals	Prov. app.
9/19/69	Aloha San. Dist.	Indian Wells Subd.	Prov. app.
9/19/69	Multnomah County	Highlands Service Dist. #20	Prov. app.
9/19/69	Pendleton	LID #285	Prov. app.
9/22/69	Chiloquin	Pump station modifications	Prov. app.
9/22/69	Raleigh San. Dist.	System modifications	Prov. app.
9/22/69	Sherwood	Gleneagle	Prov. app.
9/23/69	Aloha San. Dist.	Cambridge Downs	Prov. app.
9/23/69	Aloha San. Dist.	Deepwell No. 2	Prov. app.
9/23/69	Eugene	18 sewer projects	Prov. app.
9/23/69	Hillsboro	Jonesfield No. 2	Prov. app.
9/23/69	Oak Lodge San. Dist.	Roethe Road	Prov. app.
9/24/69	Gresham	Barger Heights	Prov. app.
9/24/69	Gresham	East trunk phase IIIA and IIIB	Prov. app.
9/25/69	Eugene	Sweetland Industrial Park	Prov. app.
9/25/69	McMinnville	Lever St. & Booth Bend Road	Prov. app.
9/25/69	Somerset West	Rock Creek No. 6	Not app.
9/26/69	Hillsboro	S.E. Maple & S.E. 18th	Prov. app.
9/26/69	Medford	Storm water separation (5)	Prov. app.
9/26/69	Portland	S.W. 57th Ave. & Skyline Blvd.	Prov. app.
9/29/69	Odell San. Dist.	Sewer extension	Prov. app.
9/29/69	Springfield	Naylor Subdivision	Prov. app.
9/29/69	Springfield	Twilight Subdivision	Prov. app.
9/29/69	Springfield	Second Add. to Laksonen Park	Prov. app.
9/30/69	Paisley	System and treatment	Prov. app.

Air Quality Control

<u>Date</u>	<u>Location</u>	<u>Project</u>	<u>Action</u>
9/30/69	Roseburg	Umpqua Excavating & Paving Proposed Control Equipment	Not app.

TAX CREDIT APPLICATIONS

Mr. Patterson and Mr. Sawyer reviewed the staff evaluation reports pertaining to the tax credit applications filed by Precision Cast Parts Corporation of Portland, Willamette Industries, Inc. of Albany and the Amalgamated Sugar Company of Nyssa.

It was MOVED by Mr. Meierjurgan, seconded by Mr. McMath and carried that tax credit certificates as recommended by the staff be issued to

- (1) Precision Cast Parts Corporation pursuant to application T-56 for air pollution control facilities installed at a cost of \$11,177.58,
- (2) Willamette Industries, Inc. pursuant to application T-94 for air pollution control facilities installed at cost of \$5,278.66 and
- (3) The Amalgamated Sugar Company pursuant to application T-95 for water pollution control facilities installed at a cost of \$713,609.

WASTE DISCHARGE PERMITS (RENEWALS)

Mr. Sawyer reviewed briefly the proposed conditions for renewal of waste discharge permits for the five applicants covered by the following motion.

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

- (1) Cornucopia Placers in Baker County,
- (2) Walter E. Koch Lumber Co. at Sandy,
- (3) Rogers Walla Walla at Athena,
- (4) Rogers Walla Walla at Milton-Freewater and
- (5) Vira Corporation (Country Squire Motel) in Lane County.

WASTE DISCHARGE PERMITS (Proposed Modifications - Tualatin Basin)

Pursuant to the action taken by the Commission at its September 26, 1969 meeting proposed modifications to the waste discharge permits for sewage treatment plants in the Tualatin Basin had been prepared by the staff and copies sent to the plant owners and Commission members in advance of the meeting. They were reviewed briefly by Mr. Lynd and Mr. Sawyer.

It was MOVED by Mr. Waterman, seconded by Mr. Meierjurgan and carried that the terms of the modifications for the following waste discharge permits be approved by the Commission: (1) Aloha Sanitary District, (2) Beaverton, (3) Commonwealth (Oak Hills), (4) Cornelius, (5) Forest Grove, (6) Hillsboro (Rock Creek), (7) Metzger Sanitary District, (8) Oregon Primate Center, (9) Southwood Park Sanitary District, (10) Sunset Valley Sanitary District, (11) Tektronix, Inc., (12) Tigard, (13) Tualatin, (14) Tualatin Development Co., (15) Tualatin Valley Sanitation Co., (16) Willow Creek Mobile Villa.

WASTE DISCHARGE PERMITS (New - Tualatin Basin)

Mr. Lynd reviewed the proposed conditions of new waste discharge permits for (1) the Hillsboro Jr. High School, (2) Homes Association of Cedar Hills, (3) City of Sherwood and (4) Sweetbrier Inn, all in the Tualatin Basin. He said that in the proposed permit for the Sweetbrier Inn the wording in conditions No. 3.C.(1) and 3.C.(2) should be changed to 30 mg/liter and 4.5 lbs/day.

It was MOVED by Mr. Meierjurgan, seconded by Mr. Waterman and carried that new waste discharge permits be granted as recommended and corrected by the staff for these four applicants.

PROPOSED REGULATIONS PERTAINING TO WASTE DISCHARGE PERMITS

Mr. Sawyer and Mr. Silver reviewed briefly the proposed regulations pertaining to issuance of waste discharge permits. Copies had been sent to the members prior to the meeting.

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that a public hearing be held in the Portland State Office Building on December 1, 1969 or as soon thereafter as possible for consideration of adoption of the proposed regulations pertaining to the issuance of waste discharge permits and that such a hearing be conducted before a hearings officer.

The meeting was adjourned at 5:30 p.m.

Respectfully submitted



Kenneth H. Spies, Director

NOTES ON THE POLLUTION POTENTIAL INDEX

The main reasons for using an air pollution index as a factor to indicate smoke dispersion are these:

1. An index, while utilizing the same kinds of meteorological factors being used in our present schedule of days, allows a more sophisticated approach to evaluating possible pollutant accumulation.
2. Since the index results in numerical values, day to day values or values for groups of days may be compared over a period of time to obtain a kind of climatology of pollution potential.

Air pollution potential indexes are not new. For example, the Public Health Service, in cooperation with the U. S. Weather Bureau, has for some years been computing an index of pollution potential for most areas of the United States. Some municipalities are using pollution potential indexes at present in controlling open burning sources. The index which will be used as input to the schedule of days for agricultural burning was developed by Drs. Lowry and Reigum at Oregon State University. Although their approach may be used to develop pollution potential indexes for any area, the particular form which the Department will use was developed by Dr. Lowry specifically for the Willamette Valley.

The index is composed of the following equations:

$$1) I = 14 + (T_{9,03} - T_{s,03}) + T_{9,15} - T_{s,15}$$

$$2) PPI = (3 (I_i + I_{i-1} + \frac{50}{V_{i-1}}) + 30)$$

$T_{9,03}$ = 900 mb temperature at 3 A.M. today (900 mb is about 3000 ft.)

$T_{s,03}$ = surface temperature at 3 A.M. today

$T_{9,15}$ = 900 mb temperature at 3 P.M. yesterday

$T_{s,15}$ = surface temperature at 3 P.M. yesterday.

I_i = today's daily stability factor

I_{i-1} = yesterday's daily stability factor

V_{i-1} = Yesterday's minimum visibility at Salem between 10 A.M. and 4 P.M.

Equation 1 is an indicator of atmospheric stability over the past 12 hours, and equation 2 uses the results of equation 1 plus a visibility factor and empirical constants to generate values of the pollution potential index (PPI).

NOTICE OF INTENDED ACTION


Please take notice that the Department of Environmental Quality intends to adopt a schedule and order for Off-Season Perennial Grass Seed Field and Other Burning for the period November 1 to June 30 of the year, pursuant to Chapter 613, Oregon Laws 1969. A copy of said schedule is attached to this notice for information and review.

A public hearing regarding such adoption will be held at 2:00 o'clock p.m. on the 24th day of October, 1969, in the Bend Senior High School Auditorium, Bend, Oregon; the Presiding Officer at said hearing will be B. A. McPhillips, Chairman, Environmental Quality Commission, or his authorized representative.

Any written comments or data offered by interested persons prior to the hearing date may be submitted to:

Department of Environmental Quality
State of Oregon
State Office Building
Portland, Oregon 97201
Attention: Air Quality Section

Dated this 8-15 day of October 1969.



Director
Department of Environmental Quality

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF OREGON

SCHEDULE
FOR
OFF-SEASON PERENNIAL GRASS
SEED FIELD AND OTHER BURNING

- I. Purpose - The purpose of this schedule is threefold:
1. To establish the burning requirements for "other burning" as set forth in Chapter 613, Oregon Laws 1969.
 2. To set reasonable requirements for perennial grass seed field burning during the off season.
 3. To continue the schedule of days for burning after November of each year.
- II. Explanation - Sections 28-005 to 28-035, Chapter 334, Oregon Administrative Rules. The field burning schedule adopted on August 20 1969, by the Environmental Quality Commission was for the period of July through October which is the normal field burning season, and in addition was primarily concerned with perennial and annual grass seed and grain field burning. Because of these factors, a new schedule has been developed for off-season perennial grass field and other burning.
- III. Time Period and Applicability - The time period of this schedule shall be November 1 to June 30 of each year, and this schedule is applicable to that same area as set forth in Section 28-015, Chapter 334, OAR.
- IV. Atmospheric Conditions - The Environmental Quality Commission has classified different types of combinations of atmospheric conditions as marginal conditions and specified the extent and types of burning that may be allowed under different combinations of atmospheric conditions as follows:
1. Atmospheric conditions resulting in computed air pollution index values in the high range, values of 90 or greater, shall constitute prohibited conditions.
 2. Atmospheric conditions resulting in computed air pollution index values in the low and moderate ranges, values less than 90, shall constitute marginal conditions.
- V. Type of Burning
- No cereal grain fields may be burned.
- No annual grass seed fields may be burned.

The following types of agricultural burning may take place on marginal days:

1. Agricultural land clearing debris, consisting of trees, stumps and brush, when such debris is generated in clearing land specifically for the purpose of providing additional crop or pasture land.
2. Prunings and cuttings from fruit or nut trees or berries.
3. Perennial grass seed fields used for grass seed production.

Propane flaming of mint fields, strawberry fields, and perennial grass seed fields used for grass seed production may be carried out on marginal and prohibited days, contingent upon local fire protection regulations.

VI. Extent of Burning

1. Burning hours for all types of burning shall be daily from 9:00 a.m. until 4:00 p.m., but may be reduced at the option of the fire chief or his deputy when necessary to protect from danger of fire. Burning hours for stumps may be increased if found necessary to do so by the permit issuing agency. All material for burning shall be prepared and the operation conducted, subject to local fire protection regulations, to insure that it will be completed during the allotted time.
2. On marginal days, permits may be issued in each fire district for burning up to 50 acres of perennial grass seed fields used for grass seed production.

VII. Further Provisions

The staff of the Department of Environmental Quality may authorize burning in excess of that permitted by the schedule where atmospheric conditions in their judgment warrant it, or, by express written permit, burning on an experimental basis, and may also, on a fire district by fire district basis, issue limitations more restrictive than those contained in the schedule, when in their judgment it is necessary to attain air quality.

TO : MEMBERS OF THE ENVIRONMENTAL QUALITY COMMISSION

B. A. McPhillips, Chairman
Herman Meierjurgan, Member
Storrs Waterman, Member

E. C. Harms, Jr. Member
George A. McMath, Member

FROM : C. K. ASHBAKER

DATE : October 16, 1969 for October 24, 1969 Meeting

SUBJECT: SUMMARY OF AIR QUALITY PROBLEMS IN PRINEVILLE

In 1954 some fallout studies were made in Prineville. At that time the fallout stations did not measure fallout in excess of State standards and the stations were removed.

In 1962, fallout complaints were received from the Tri-County Health Department and the City of Prineville. During a follow-up investigation of the complaints in 1964, a letter was received from the City of Prineville stating that the mills had substantially corrected the fallout problems and there had been no trouble for the past six months.

In 1966 Mr. Harold Merryman inspected the mills in Prineville and found all of them discharging excessive smoke at least part of the time. Letters were sent to all of the mills requesting them to initiate programs to reduce the pollution as soon as possible.

During March 1969 several complaints were received from families in Prineville. I made several smoke observations during the month and inspected all of the mills except Ochoco Lumber which hadn't been emitting excessive smoke during my observations.

On March 7, 1969, I wrote to all of the mills which I had inspected and requested that they evaluate their progress and report in writing to the Authority by May 1, 1969. Most of the mills responded to my request.

Additional smoke observations were made in April and September.

On September 3, 1969, another letter was sent to the mills requesting a status report. To date three of the mills have replied to the request.

Some of the mills have made substantial improvements in their smoke emissions. Others are relying on Brooks-Willamette in Bend to take materials which they are presently burning.

I conferred with Brooks-Willamette on October 14, 1969. They said that they will be able to take additional waste on or about January 15, 1970 as they complete their particleboard expansion. *double expansion & taking 93,000 lbs. storage*

It is my opinion that although many of the present smoke problems will be eliminated after Brooks-Willamette takes the additional waste, there will still be excessive smoke emitted from some of the mills until other improvements are made.

PRESENT STATUS OF INDIVIDUAL MILLS IN PRINEVILLE

HUDSPETH PINE, INC.:

The Hudspeth mill almost continuously emits excessive smoke from their two wigwam burners and their boilers.

West burner - They hope to eliminate burning in the west burner by transporting material to the boiler fuel house.

East burner - They are proposing to sell most of the material being burned to commercial markets.

Boilers - They have retained a firm in Portland to help them eliminate their boiler smoke problems.

We have not received any definite proposals or time schedule from the Hudspeth Mill yet. Their attitude seems entirely cooperative.

Have received report

COIN MILLWORK:

The Coin Millwork plant has one wigwam burner which intermittently emits smoke in excess of smoke standards. Most of their waste currently goes to commercial markets. Brooks-Willamette will take additional waste after the first of the year leaving only a small amount of sawdust from resawing operations to be burned.

CONSOLIDATED PINE, INC.:

Consolidated Pine has one wigwam burner and a boiler plant which intermittently emit smoke in excess of Oregon regulations. Recent changes in operational technique has cut down considerably the excessive smoke discharges from the boilers.

They indicate that the use of the wigwam burner will be eliminated in January when Brooks-Willamette takes their green planer shavings.

were open burning

CLEAR PINE MOULDINGS, INC.:

Clear Pine Mouldings has a burner for disposal of shavings and sawdust. This burner should be eliminated when Brooks-Willamette can take the waste.

MUSLIN STUDS, INC.:

This is a new mill under construction near Prineville. They desire to install a wigwam burner, in fact, it is partially completed. The staff has indicated to Mr. Muslin that under present policy the proposed burner cannot be approved at that site.

OCHOCO LUMBER COMPANY:

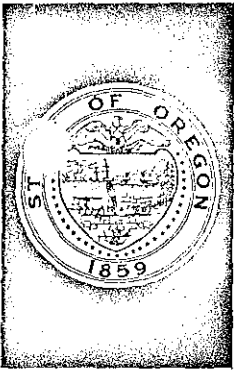
From the numerous smoke observations made the past year, Ochoco Lumber Company appears to be doing a satisfactory job.

PINE PRODUCTS CORPORATION:

This mill has a wigwam burner and boiler plant which intermittently discharge excessive smoke. They indicate that after Brooks-Willamette's expansion their burner will be on Standby only. They are also working on their boiler combustion problems.

PRINEVILLE STUD COMPANY:

This stud mill is on the Pine Products Corporation site. Their wigwam burner should also be shut down early in the year.



DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OFFICE BUILDING • 1400 S.W. 5th AVENUE • PORTLAND, OREGON • 97201

TOM McCALL
GOVERNOR

KENNETH H. SPIES
Director

ENVIRONMENTAL QUALITY
COMMISSION

B. A. McPHILLIPS
Chairman, McMinnville

EDWARD C. HARMS, JR.
Springfield

HERMAN P. MEIERJURGEN
Nehalem

STORRS S. WATERMAN
Portland

GEORGE A. McMATH
Portland

MEMORANDUM

TO : MEMBERS OF THE ENVIRONMENTAL QUALITY COMMISSION
B. A. McPhillips, Chairman E. C. Harms, Jr.
Herman Meierjurgan, Member George A. McMATH, Member
Storrs Waterman, Member

FROM : AIR QUALITY DIVISION

DATE : October 15, 1969

SUBJECT: PRINEVILLE AIR POLLUTION AND PETITION RECEIVED

Mr. Kent Ashbaker will prepare a status report for presentation at the Bend meeting concerning air pollution problems and programs in the Prineville area.

Enclosed is a copy of the petition pertaining to atmospheric conditions in Prineville received in this office from Mr. C. R. May on October 10. The petition contains 665 signatures. Also enclosed is a copy of the letter sent to Governor McCall.

Enclosed is a copy of a letter sent to Hudspeth Pine, Inc. A similar letter was sent to mills located in the area and include:

<u>Mill</u>	<u>Primary Problem</u>
Pine Products Corp.	Boiler, WWWB, open burning
Hudspeth Pine, Inc.	Boilers, WWWB
Consolidated Pine	WWWB, boiler stack
Clear Pine Molding	WWWB
Coin Millwork	WWWB
Ochoco Lumber Co.	WWWB
Musulin Studs, Inc.	(Under construction)

Mr. Spies has placed this matter on the agenda for the Bend meeting.

PETITION

To: Environmental Quality Commission

Whereas, Oregon law (ORS 449.800) states that:

"A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any hour which is: (1) As dark or darker in shade as that designated as number 2 on the Ringelmann Chart...., or,
(2) Of such opacity as to obscure an observers' view...."

"The particle fallout rate in a residential or commercial land use area shall not exceed the normal background value by more than 15 tons per square mile per month..."

Whereas, the mills in the Prineville Community seem to far exceed the pollution rates described above, and

Whereas, continued air pollution results in physical damages requiring more frequent cleaning, painting, etc., and

Whereas, air pollution threatens the health of all our citizens, especially those suffering from allergies, emphysema and other lung diseases, and

Whereas, air pollution has an adverse effect on our esthetic environment, and

Whereas, air pollution causes an economic loss to each citizen and to the community, now

THEREFORE, we the undersigned citizens of the Community of Prineville, in order to protect our health and enhance our environment, request the Environmental Quality Commission to take such action as may be necessary to effect the enforcement of existing state laws prohibiting the pollution of our community.



RECEIVED

MAY TO ENVIFON CONTROL 10-10

OCT 14 1969

Mr. McCalls

1130 Allen Avenue
Prineville, Oregon 97754
October 9, 1969

Governor Tom McCall
State Capitol
Salem, Oregon 97310

Dear Governor McCall:

Enclosed is a copy of a petition which was mailed today to the Environmental Quality Control Commission with over 650 signatures of local residents. We believe the petition is self explanatory. The pictures accompanying the petition are also self explanatory. This is what we want stopped. Many of our citizens have waited patiently for years hoping the mills would control themselves or trusting in State officials to take action. The polluted air in our community is a testimony to the failure of that approach.

The signatures on this petition indicate that the citizens of this community want action now. We are tired of waiting. We do not believe it is asking too much to have existing laws enforced. Numerous articles and television documentaries have begun to alert our citizens to the serious consequences of compounded pollution. Many of us were encouraged recently to hear that this year's legislature had strengthened various litter and pollution laws. However, laws are worthless if they are not enforced.

A recent editorial in the Bend Bulletin stated that you had ordered state police to crack down on litterers. We applaud you for this stand. We believe, however, in equal administration of justice. If enforcement is going to come down hard on John Q. Public for polluting, why should industry be allowed to pollute in open violation of the law?

I have been asked to be spokesman for the citizens' committee sponsoring this petition drive. Some of the questions they would like answers to at our next meeting include:

"Will our petition receive consideration?

If so, when can we expect a member, or members, of the Environmental Quality Commission staff to inspect the local mills?

Can we expect follow-up?"

Your attention to this correspondence will be appreciated

Sincerely yours,

C. R. May

C. R. May

OCT 10 1969

October 14, 1969

Hudspeth Pine, Inc.
P. O. Box 339
Prineville, Oregon 97754

Gentlemen:

This is to advise you that the Department of Environmental Quality has received a petition complaint concerning air pollution in the Prineville area. Enclosed is a copy of that petition which had attached some 665 signatures.

This matter will be brought before the Environmental Quality Commission on Friday, October 24, at its meeting in the Bend High School Auditorium. While the general meeting convenes at 9:00 a.m. the earlier portion will be devoted to water quality standards in the Deschutes River and inland lakes. It is anticipated at this time that the matter will not be brought before the Commission until shortly after 2:00 p.m. as the agenda permits.

You are cordially asked to be present at the meeting to represent your company and add any additional information concerning progress being made towards reduction in air emissions by your particular plant.

If you have any questions pertaining to this matter, please feel free to contact this office or our District Engineer, C. Kent Ashbaker, P. O. Box 1243, 734 E. Greenwood Avenue, Bend, Oregon, 97701, (Tel. 382-6446).

Very truly yours,

H. M. Patterson, Chief
Air Quality Control

HMP:ms

cc: C. Kent Ashbaker

TO : MEMBERS OF THE ENVIRONMENTAL QUALITY COMMISSION

B. A. McPhillips, Chairman
Herman Meierjurgan, Member
Storrs Waterman, Member

E. C. Harms, Jr., Member
Geo. A. McMath, Member

FROM : AIR QUALITY CONTROL

DATE : October 15, 1969 for Meeting of October 24, 1969

SUBJECT: APPLICATION FOR CERTIFICATION OF POLLUTION CONTROL FACILITY FOR TAX RELIEF PURPOSES, No. T-56.

This application was received in completed form on August 8, 1969. A summary of the contents and results of the staff review are given below.

1. Applicant: Precision Castpart Corporation
4600 S. E. Harney Drive
Portland, Oregon 97206
Mr. Roy Marvin, Treasurer

The company produces precision castings of a variety of metals using ceramic molds.

2. The facility claimed in this application consists of a scrubber, blower, ductwork and utilities for removing particulates generated in mold removal and casting clean up. Construction of the facility was completed on May 12, 1969. Operation commenced on May 15, 1969.
3. The total installed cost of the facility is \$11,177.58. An accountant's certification of this figure is attached.
4. Staff Review:

The mold removal operation involves physically breaking the ceramic mold away from the casting. This creates particulates of aluminum and silicon oxides. Castings are trimmed with a cut off wheel which also creates metal and metal-oxide dusts. The company claims that the subject facility collects and removes 410 pounds of dust per day. The collected material is hauled to the Oregon City dump for final disposal.

The staff findings indicate that the principal purpose for installing this facility was to reduce atmospheric emissions. An attached letter from the Columbia-Willamette Air Pollution Authority indicates that agency's satisfaction with the facility.

5. Staff Recommendation:

The staff recommends that a "Pollution Control Facility Certificate" bearing the actual cost of \$11,177.58 be issued for the facility claimed in Application No. T-56.

ARTHUR ANDERSEN & Co.

MORGAN BUILDING
PORTLAND, OREGON 97205

July 14, 1969

To Precision Castparts Corp.:

We have examined the accompanying Statement of Actual Costs of Dust Collection System at Portland, Oregon. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying Statement of Actual Costs of Dust Collection System, showing total costs of \$11,177.58, presents fairly costs incurred by Precision Castparts Corp. in the purchase and installation of such dust collection system at Portland, Oregon.

Very truly yours,

Arthur Andersen & Co.

PRECISION CASTPARTS CORP.

PORTLAND, OREGON

STATEMENT OF ACTUAL COSTS

DUST COLLECTION SYSTEM

Equipment	\$ 5,814.00
Ducting and hoods	3,306.00
Miscellaneous labor and material	1,357.58
Engineering costs	700.00
Total	----- \$11,177.58 =====

TO : MEMBERS OF THE ENVIRONMENTAL QUALITY COMMISSION
B. A. McPhillips, Chairman E. C. Harms, Jr., Member
Herman Meierjurgan, Member George A. McMath, Member
Storrs Waterman, Member

FROM : AIR QUALITY CONTROL

DATE : October 15, 1969 for Meeting of October 24, 1969

SUBJECT: APPLICATION FOR CERTIFICATION OF POLLUTION CONTROL FACILITY
FOR TAX RELIEF PURPOSES, NO. T-94.

This application was received on July 9, 1969. A summary of the contents and results of the staff review are given below.

1. Applicant: Willamette Industries, Incorporated
Albany Division (Duraf Flake)
1002 Executive Building
Portland, Oregon 97204
Mr. A. R. Morgans, Financial Vice-President
Phone 227-5585

The company produces particle board at the plant located on Old Pacific Highway, Albany, Oregon.

2. The facility claimed in this application consists of a baghouse and fan for removing sanderdust from the sanderdust storage bin exhaust. The collected material returns to the storage bin and then goes to the steam boilers. The facility is located at the Albany plant site. Installation of the facility was completed on March 12, 1969. Operation commenced immediately.
3. The total installed cost of the facility is \$5,278.66. An accountant's certification of this figure is attached.
4. Staff Review:

The claimed facility collects about 15 pounds of sanderdust per hour at an efficiency of essentially 100 per cent. The fuel value of the collected material is not sufficient to offset operation and installation costs.

The staff findings indicate that the principal purpose for installing this facility was to reduce atmospheric emissions. The facility is operating satisfactorily as indicated in the attached Mid-Willamette Valley Air Pollution Authority letter dated August 6, 1969.

5. Staff Recommendation:

The staff recommends that a "Pollution Control Facility Certificate" bearing the actual cost of \$5,278.66 be issued for the facility claimed in Application No. T-94.

PEAT, MARWICK, MITCHELL & CO.

CERTIFIED PUBLIC ACCOUNTANTS

1010 STANDARD PLAZA

PORTLAND, OREGON 97204

July 2, 1969

Exhibit E

Mr. A. R. Morgans, Financial Vice President
Willamette Industries, Inc.
1002 Executive Building
Portland, Oregon 97204

Dear Mr. Morgans:

In connection with your application to the Oregon State Sanitary Authority for certification of pollution control facilities for tax relief purposes, we have examined the costs for the dust collector at the Albany division (as detailed in the respective Exhibit C of the application). In making our examination, we have relied upon such detail as being complete itemization of labor and materials devoted to the construction of the facility described. Our examination consisted of a detailed inspection of vendors' invoices and other documentation of disbursements. We have also traced the costs shown into the plant and equipment accounts of the Company.

In our opinion, the costs for the dust collector as detailed in Exhibit C of the application, amounting to \$5,278.66, fairly present the actual costs incurred by Willamette Industries, Inc., in the construction of the facility.

Very truly yours,

PEAT, MARWICK, MITCHELL & CO.



R. M. Alexander, Partner

RMA:OL

PARTICIPATING COUNTIES:

BENTON
LINN
MARION
POLK
YAMHILL

T-94
File

MID-WILLAMETTE VALLEY AIR POLLUTION AUTHORITY

2585 State Street - Salem, Oregon 97301
Telephone 581-1715

August 6, 1969

F. A. Skirvin *AS*
Associate Engineer
Air Quality Control
1400 SW 5th Ave.
Portland, Oregon 97201

Dear Sir:

The Mid-Willamette Valley Air Pollution Authority inspected the replacement of the #4 Cyclone with a Flex Kleen baghouse at Willamette Industries, Inc., Duraflake plant in April, 1969. It is our understanding that this unit has provided trouble-free service and is apparently operating within design specification and the rules and regulations of the Authority.

The Authority has no information indicating any reason for denial of certification.

Sincerely yours,

Allan Mick

Allan Mick
Engineer

AM:ds

RECEIVED

AUG - 7 1969

Air Pollution



To: Members of the Environmental Quality Commission Date: October 17, 1969

From: Water Quality Control Staff

Subject: Application for Certification of Pollution Control Facility for Tax Relief Purposes, No. T-95, Submitted by THE AMALGAMATED SUGAR COMPANY on July 25, 1969.

1. Applicant:

The Amalgamated Sugar Company
Nyssa, Oregon Factory
% First Security Bank Building
Ogden, Utah 84401

The applicant owns and operates a beet sugar extraction and refining plant located east of the city of Nyssa, Oregon, on Highway 20 in Malheur County.

2. Claimed Facilities:

- A. Closed Flume Water System - consisting of 9 pumps, 2 tanks, 2 ponds, associated piping, electrical revisions, supporting equipment, and associated buildings at a total certified cost of \$307,430.
- B. Pulp Drying Addition - consisting of a drying drum, furnace, conveying equipment, electrical, building, and additional associated supporting equipment at a total certified cost of \$224,820.
- C. Steffens Refrigeration System - consisting of 3 compressors, 2 pumps, 2 chillers, 1 condensor, piping, electrical and associated equipment at a total certified cost of \$181,359.

Total Cost of Claimed Facilities - \$713,609

3. Staff Evaluation:

- A. Closed Flume Water System
Large quantities of water are used to transport beets into the factory and wash the beets. This water was formerly screened to remove large solids and discharged into the Snake River. The closed flume system was installed to permit recirculation of these waters so as to eliminate the discharge. The water is passed through a settling basin to remove silt and solids. Lime is added to the water to suppress bacterial action, odor, and aid settling. The water is then returned to the flume and washing operations. The applicant indicates that this system removes 75,300 lbs/day of BOD and 400 cubic yards/day of silt that were formerly discharged to the river. The silt is disposed of as land fill on company property.

B. Pulp Drying Addition

After the sugar has been removed from the sugar beet, the pulp which remains is pressed and dried in rotating drum dryers and disposed of as cattle feed. All excess pulp which could not be immediately dried was stored in a wet pulp silo for later drying. The drainage from the pulp silo amounted to 100-200 gallons per minute with a BOD of 7,000-10,000 mg/l. The added dryer capacity makes it possible to dry the pulp as it is produced and eliminate the storage silo. The result has been to eliminate the discharge to the river of an estimated 23,300 lbs/day of BOD.

C. Steffens Refrigeration System

The Steffens operation is the name given to the actual sugar recovery process. The waste from the Steffens plant is disposed of by concentrating the waste and adding the concentrate to the wet pulp prior to drying. The volume of waste water which must go through the concentrating plant increases when the Steffens plant cooling capacity is reduced by high temperatures of the river water used for cooling. When the waste volume increases, so as to exceed the concentrating plant capacity, overflow to the river occurs. The refrigeration system supplements the cooling capacity which in turn has the effect of maintaining the waste volume within the capacity of the concentrating equipment. The result of this installation is the elimination of the discharge of 5800 lbs/day of BOD.

The applicant claims that no salable or usable commodity is recovered as a result of the installation of these facilities. Construction of the claimed facilities was started in March 1967 and completed in October 1967.

4. Recommendation:

Based on the information contained in the application, the staff finds no reason for denial of a certificate and therefore recommends that a Pollution Control Facility Certificate bearing the actual cost of \$713,609 be issued to the Amalgamated Sugar Company for the facilities claimed in Application T-95.

mb

LYBRAND, ROSS BROS. & MONTGOMERY

CERTIFIED PUBLIC ACCOUNTANTS

WALKER BANK BUILDING

SALT LAKE CITY, UTAH 84111

PHONE 328-0141

COOPERS & LYBRAND
IN AREAS OF THE WORLD
OUTSIDE THE UNITED STATES

July 22, 1969

The Amalgamated Sugar Company
First Security Bank Building
Ogden, Utah

Gentlemen:

We have examined and reported upon the financial statements of the company for the years ended September 30, 1967 and 1968 under the dates of November 15, 1967 and November 20, 1968, respectively. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. In our opinion, such financial statements (not presented separately herein) present fairly the financial position of the Amalgamated Sugar Company at September 30, 1967 and 1968 in conformity with generally accepted accounting principles applied on a consistent basis.

The company's records for the years referred to above include additions to plant and equipment described as follows:

<u>Job Number</u>	<u>Title</u>	<u>Amount</u>
167	Drier drum and furnace	\$224, 820
165	Steffens refrigeration cooling system	181, 359
164 and 193	Closed flume recirculation system	307, 430

Our examination was made primarily for the purpose of rendering an opinion on the financial statements taken as a whole. The supplemental data shown above is a portion of the additions to plant and equipment which additions in total have been subjected to the audit procedures applied in the examination of the basic financial statements.

Yours very truly,

Lybrand, Ross Bros. & Montgomery

JWC/cr

EXHIBIT "C"

THE AMALGAMATED SUGAR COMPANY

Closed Flume Recirculation System Costs

Material Costs:

Construction of 2 ponds--essentially performed by outside contractor, Palmer Lytle Construction Co.	\$22,231
9 pumps, foundations, housing and support equipment--purchased from various vendors and Company installed.	53,782
8,950 feet of piping, approximately 50 valves, approximately 60 large bends and flanges--purchased from various vendors and Company installed	94,724
Electrical and process controls, lighting and switch gear--including cable, conduit, starters, pull boxes and instrumentation--purchased from various vendors and Company installed	42,894
2 tanks--fabricated by the Company from raw material purchased from various vendors and Company installed Condenser--fabricated by Beall Tank and Pipe Company and Company installed	3,851
Material for expanding milk of lime required to treat re-used water--purchased from various vendors and Company fabricated and installed	12,800
Miscellaneous--including material for feeding equipment, revisions to existing facilities, clean-up and testing out--purchased from various vendors and Company installed	13,815
Company labor to fabricate and install equipment	<u>63,333</u>
	<u>\$307,430</u>

THE AMALGAMATED SUGAR COMPANY

Drier Drum and Furnace

Dryer drum purchased from Canadian Dominion Sugar Ltd.	
Furnace purchased from Laclede-Cristy Company	
Material for pulp conveying systems, foundations and other support equipment purchased from various vendors.	
All units were Company installed	108,673
Small piping, valves and fittings--purchased from various vendors and Company installed	6,028
Electrical and process controls, lighting and switch gear--including cable, conduit, starters, pullboxes and instrumentation--purchased from various vendors and Company installed	23,171
Miscellaneous--material for equipment housing and structural supports, and revisions to existing facilities--purchased from various vendors and Company installed	25,975
Company labor to install	60,973
	<hr/>
	\$224,820
	<hr/>

THE AMALGAMATED SUGAR COMPANY

Steffens Refrigeration Cooling System Costs

3 200 H. P. Vilter compressors, 2 chillers, 1 condensor, heaters and smaller accessory components	83,065
Approximately 3,000' of piping ranging from ½" to 12" purchased from various vendors and Company installed	20,401
5 motors purchased from various vendors and Company installed	5,867
Electrical and process controls lighting and switch gear--including cable, conduit, starters, pullboxes and instrumentation--purchased from various vendors and Company installed	17,489
2 pumps purchased from Ingersol-Rand Company and Company installed	1,052
Miscellaneous--material for equipment housing and structural supports, and revisions to existing facilities purchased from various vendors and Company installed	19,649
Company labor to install equipment	33,836
	<u>181,359</u>

STATE OF OREGON
ROUTE SLIP

Date: 4/11/72
TO: _____

FROM: H. W. [Signature]

- CHECK
- | | |
|---|---|
| <input type="checkbox"/> Approval | <input type="checkbox"/> Investigate |
| <input type="checkbox"/> Necessary Action | <input type="checkbox"/> Confer |
| <input type="checkbox"/> Prepare Reply | <input type="checkbox"/> Per Telephone Conversation |
| <input type="checkbox"/> For My Signature | <input type="checkbox"/> For Your Information |
| <input type="checkbox"/> Your Signature | <input type="checkbox"/> As Requested |
| <input type="checkbox"/> Comment | <input type="checkbox"/> Note and File |
| <input type="checkbox"/> Initial and Return | <input type="checkbox"/> Return With More Details |

COMMENTS:

MOTIONS

Prineville Area Air Pollution

It was MOVED by Mr. Harms, seconded by Mr. Waterman and carried that the staff be requested to report to the Commission at the February meeting on the progress ~~of~~ in eliminating air pollution in the Prineville area, particularly after the Brooks-Willamette plant has supposedly taken more of these pollutants and that those violators not showing adequate progress in abating violations of the smoke emissions and standards, be cited after that date and show cause why it should not be abated.

Tax Credit Applications

Precision Cast Parts Corp., T-56. AP controls for dust collection facility ^{including} wet scrubber with a 502 Rim New York blower, ^{ductwork & utilities &} type G. I.

Approved by CWAPA. ^{is} The amount ^{T-94} of \$11,177.58

Willamette Industries (Duraflake) AP controls ^{consisting of baghouse & fan} for belt-screw conveying system, with high pressure (low air volume) ~~pneumatic conveyor.~~

^{Attached was} Letter of approval from ~~CWAPA~~ ^{is} The amount ^{T-94} of \$5,278.66.

It was MOVED by Mr. McMath, seconded by Mr. Waterman and carried that the tax credit applications for the above-mentioned two plants be granted certification according to the staff recommendations.

I have
Meier/Jungen
McMath

Field Burning

It was MOVED by Mr. McMath, seconded by Mr. Waterman and carried that we adopt the field burning schedule as per staff recommendation.

cc sent to KHS