

EXHIBIT "A"

MEMORANDUM OF UNDERSTANDING

between

STATE OF OREGON ACTING BY AND THROUGH
THE STATE BOARD OF HIGHER EDUCATION
ON BEHALF OF OREGON STATE UNIVERSITY
(OREGON AGRICULTURAL EXPERIMENT STATION)

and the

CITY OF PORTLAND
CITY OF SALEM

UNIFIED SEWERAGE AGENCY
OF WASHINGTON COUNTY

concerning

SEWAGE SLUDGE APPLICATION TO AGRICULTURAL LAND

WHEREAS, IT IS DESIRED THAT RESEARCH BE CONDUCTED ON the effect of sewage sludge on plant growth and diseases of winter wheat; a project of said emphasis will be established upon execution of this memorandum. The Oregon Agricultural Experiment Station will make the proper arrangements and shall prosecute and conduct said investigations in accordance with the attached research plan.

In consideration thereof, it is expressly understood:

- (a) That progress reports of said investigation shall be made to the City of Portland, City of Salem, and the Unified Sewerage Agency by the OREGON AGRICULTURAL EXPERIMENT STATION.
- (b) That authorized representatives of the City of Portland, City of Salem, and the Unified Sewerage Agency shall have the privilege of inspection of the research procedures and results of said research during the course thereof.
- (c) That the OREGON AGRICULTURAL EXPERIMENT STATION will have the full right to edit and report as they see fit any and all facts established or findings made by said investigation which in their judgment should be reported to the public (during the period covered by this memorandum).
- (d) That the City of Portland, City of Salem, and the Unified Sewerage Agency agrees that under no circumstances or conditions shall the name of OREGON AGRICULTURAL EXPERIMENT STATION or OREGON STATE UNIVERSITY be used directly or indirectly in any advertising or promotion related in any way to said research without the consent of the OREGON AGRICULTURAL EXPERIMENT STATION.

- (e) This MEMORANDUM OF UNDERSTANDING shall become effective September 1, 1981 and shall end August 31, 1982, unless extended by written mutual agreement or letter exchange before its expiration date or the expiration date of any of its extensions.
- (f) That the City of Portland will pay \$5,000 during the project period September 1, 1981 to August 31, 1982, to the Oregon State University.
- (g) That the City of Salem will pay \$5,000 during the project period September 1, 1981 to August 31, 1982, to the Oregon State University.
- (h) That the Unified Sewerage Agency of Washington County will pay \$5,000 during the project period September 1, 1981 to August 31, 1982, to the Oregon State University.
- (i) That funds totaling \$15,000 for September 1, 1981 to August 31, 1982, noted in items (f), (g), and (h), will be used to accomplish said research.
- (j) Any funds remaining in the account at the termination of this agreement shall be used to continue research work on the subject described in this memorandum.

IN WITNESS THEREOF, the parties hereto have caused this MEMORANDUM OF UNDERSTANDING to be executed by their officers hereunto duly authorized.

City of Portland.

By: _____
Mayor Date

By: _____
Commissioner Date

City of Salem

By: *[Signature]* _____
Mayor Date

Unified Sewerage Agency of Washington County

By: *[Signature]* _____
General Manager Date

Oregon Agricultural Experiment Station

By: _____
Director Date

By: _____
Department Head, Soil Science Date

Oregon State University Business Office

By: _____
Contracting Officer Date

Budget

September 1, 1981 to August 31, 1982

Personnel

Civil Service technician time \$3492 + 30.1% OPE (\$1051)*	\$ 4,543
Student labor (bio-assay for TAD) \$1994 + 3% OPE (\$6.00)*	2,000
Laboratory equipment and supplies	500
Chemical analyses of soil and plant samples	2,000
Land rental and field plot management expense	1,500
Field equipment maintenance	500
Printing, publication of reports	500
Travel	<u>1,500</u>
	13,043
Indirect costs (15%)	<u>1,957</u>
	<u>\$15,000</u>

*University regulations require different OPE figures for different employees; OPE will be the actual charges made for each employee.

Financial support will be shared equally by the three granting agencies:

City of Portland	\$5,000
City of Salem	\$5,000
Unified Sewerage Agency	\$5,000

ORDINANCE No. 153002

An Ordinance authorizing an agreement effective September 1, 1981 with the State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University for participation in a study concerning sewage sludge application to agricultural land for the amount of \$5,000, authorizing the drawing and delivery of a warrant, and declaring an emergency.

The City of Portland ordains:

Section 1. The Council finds:

1. That Oregon State University is conducting research on the effect of sewage sludge on plant growth and diseases of winter wheat at the Oregon Agricultural Experiment Station.
2. The City of Portland has participated in past work by Oregon State University in the use of sewage sludge and the City believes that the current research can benefit the City in evaluating methods of disposal for dried or composted sewage sludge.
3. That the cost of this study is being shared equally by the City of Portland, the City of Salem and the Unified Sewerage Agency of Washington County, and the study period is September 1, 1981 to August 31, 1982.
4. That funds are available within the Bureau of Sanitary Engineering FY 1981-82 Budget for this study.

NOW, THEREFORE, the Council directs:

- a. The Commissioner of Public Works and the Auditor hereby are authorized to enter into an agreement between the State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University and other participating agencies for research on the effect of sewage sludge on plant growth and diseases of winter wheat at the Oregon Agricultural Experiment Station in accordance with the form of agreement attached as Exhibit A, in the amount of \$5,000.

ORDINANCE No.

- b. The Mayor and the Auditor hereby are authorized to draw and deliver a warrant chargeable to the FY 1981-82 budget, Sewage Disposal Fund, Bureau of Sanitary Engineering, RU 149, Object Code 210, when demand is presented, approved by the proper authorities.


Section 2. The Council declares that an emergency exists because a delay could prevent completion of the study; therefore, this Ordinance shall be in force and effect from and after its passage by the Council.

Passed by the Council, MAR 24 1982

Commissioner Mike Lindberg
W. J. Solberg:al
March 17, 1982
BUC No. 14924116
R/E Code 210

Regular Agenda

Attest:


Auditor of the City of Portland

Calendar No. 756

ORDINANCE No. 153002

Title

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THE COMMISSIONERS VOTED AS FOLLOWS:		
	Yeas	Nays
JORDAN	/	
LINDBERG	/	
SCHWAB	/	
STRACHAN	/	
IVANCIE	/	

FOUR-FIFTHS CALENDAR	
JORDAN	
LINDBERG	
SCHWAB	
STRACHAN	
IVANCIE	

INTRODUCED BY
Commissioner Mike Lindberg

NOTED BY THE COMMISSIONER
Affairs
Finance and Administration
Safety
Utilities
Works <i>ML / JM</i>

BUREAU APPROVAL	
Bureau: Sanitary Engineering	
Prepared By: W. J. Solberg	Date: 3/17/82
Budget Impact Review: <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Not required	
Bureau Head: <i>J. P. Niehuser</i> J. P. Niehuser	

CALENDAR	
Consent	Regular <input checked="" type="checkbox"/>

NOTED BY
City Attorney
City Auditor
City Engineer <i>[Signature]</i>

Filed MAR 18 1982

GEORGE YERKOVICH
Auditor of the CITY OF PORTLAND

By *[Signature]*
Deputy