

ACCEPTANCE

RECEIVED
1975 Nov 25 9 10 AM 1969

RAY SMITH, AUDITOR
CITY OF PORTLAND, ORE.

Portland, Oregon, September 12, 1969

RAY SMITH
Auditor of the City of Portland.
Room 202, City Hall
Portland, Oregon 97204

Dear Sir:

This is to advise the City of Portland, Oregon, that I hereby accept the terms and provisions of Ordinance No. 129705, passed by the Council September 11, 1969, granting a revocable permit to Union Oil Company of California to construct lube oil storage tanks at Willbridge Terminal, 5528 N.W. Doane Street, subject to certain conditions, and declaring an emergency,

and in consideration of the benefits to be received thereunder by me I hereby agree to abide by and perform each and all of the terms and provisions thereof applicable to me.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

[CORPORATE SEAL]

*BY: *R. O. Hedley*
R. O. Hedley, Assistant Secretary

YDA

P. O. Box 7600 - Address - Los Angeles, California

Approved as to form:

W. B. ...
City Attorney

*When an acceptance is required from a firm or corporation the Acceptance must be signed by an officer of the firm or corporation stating his or her official title, and corporations must affix the corporate seal.

IMPOUNDING DIKE CAPACITY COMPUTATIONS

AREA OF IMPOUNDING BASIN:

SEGMENT A	: 48.5' x 77.5'	= 3760
✓ B	: 50' x 6'	= 300
✓ C	: 19' x 40'	= 760
✓ D	: 20' x 4'	= 80
✓ E	: 9.5' x 2'	= 19

GROSS AREA = 4920 SQ. FT.

ASSUME BASIN FLOOR LEVEL AS TOP OF TANK FOUNDATIONS
 @ ELEV. 94.75'. TOP OF LOW IMPOUNDING WALL = ELEV. 96.33'.
 ∴ HEIGHT OF WALL = 1.58'

GROSS VOLUME OF ENCLOSURE = 1.58 x 4920 = 7760 CU. FT.

DEDUCTIONS & ADDITIONS TO GROSS VOLUME ARE AS FOLLOWS:

1. PIPE TRENCH 12" BELOW BASIN FLOOR
 $4' \times 45' \times 1' = 180$ CU. FT. (ADDITION)
2. VOLUME OCCUPIED BY EXISTING TANKS:
 20 - 9'-4" DIA. TANKS = $\pi(4.67)^2 = 68.5$ SQ. FT.
 TOP OF WALL (96.33) - (94.75) BOTTOM OF TANKS = 1.58'
 ∴ $68.5 \times 1.58 \times 20 = 2170$ CU. FT. (DEDUCTION)
3. PROPOSED 2 - 12.5' x 32' TANKS = 30,000 GALS EACH
 DEDUCT VOLUME DISPLACED BY ONE TANK:
 $(6.25)^2 \pi = 125$ SQ. FT. x 1.58' = 198 CU. FT. (DEDUCTION)

NET VOLUME OF IMPOUNDING BASIN:

(GROSS)	7760
+	180
-	2170
-	198

∴ NET VOLUME = 5572 CU. FT.

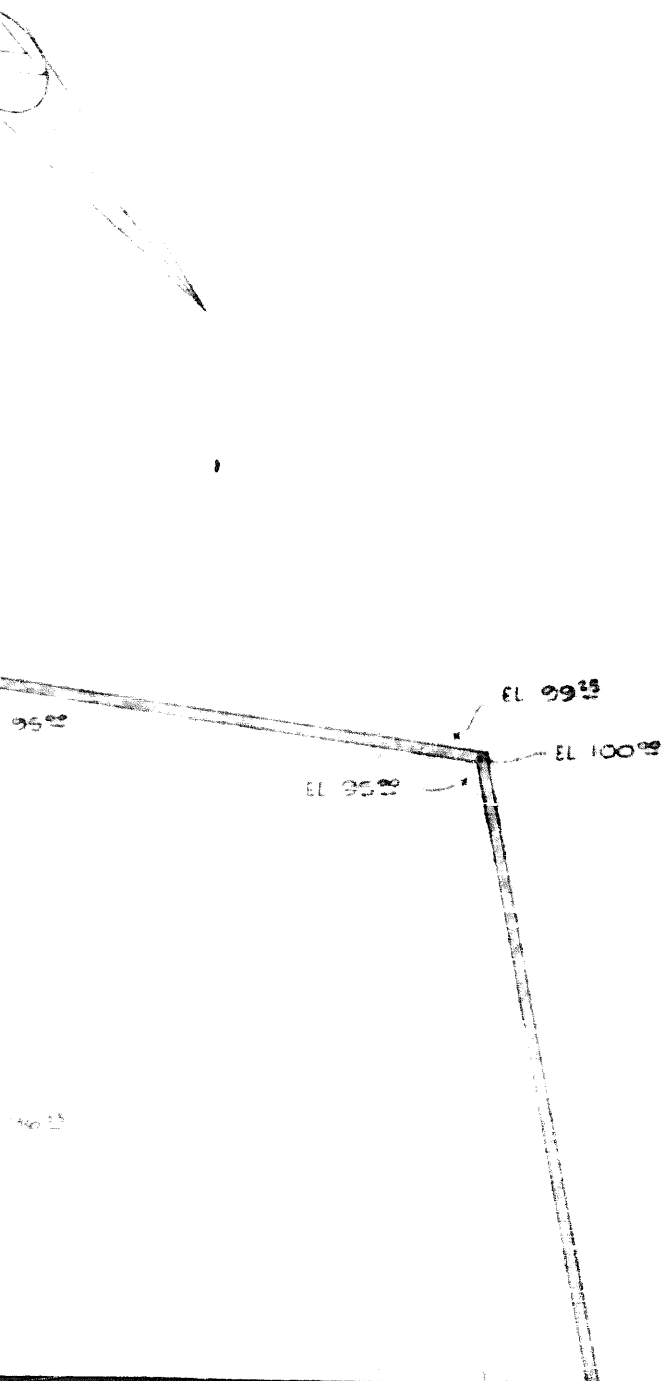
= 5572 x 7.48 = 41,600 GALLONS

CAPACITY REQUIRED BY CODE = 110% OF LARGEST TANK,

REQUIRED VOLUME = 1.10 x 30,000 = 33,000 GALLONS

∴ EXCESS VOLUME = 41,600 - 33,000 = 8600 GALLONS.

EXCESS VOLUME = 8600 ÷ 33000 = 26% ←



129705

T.B.M. TOP OF WALL
EL. 100.2 (ASSUMED)

EL. 95.42

EXISTING IMPOUNDING WALL (CONC.)

EL. 99.82

TO EXISTING 12,000 GAL TANKS

EL. 94.22

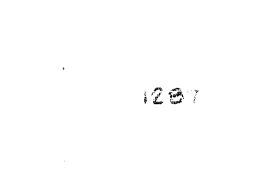
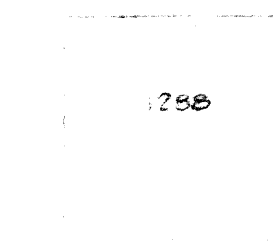
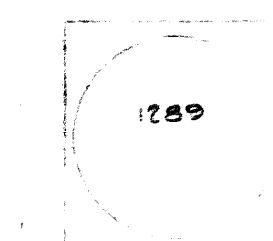
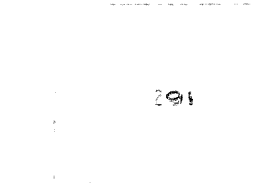
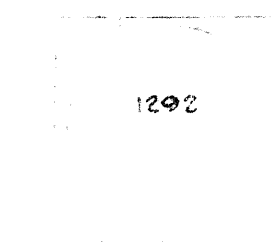
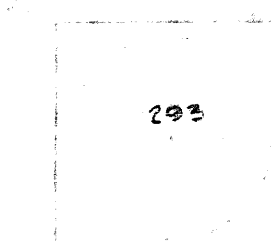
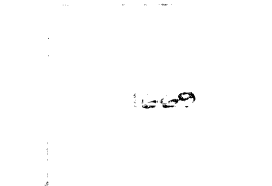
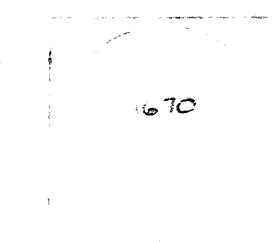
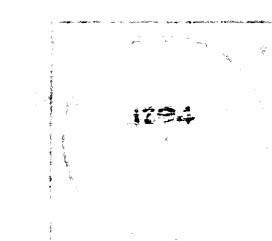
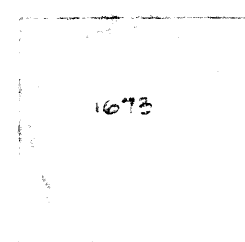
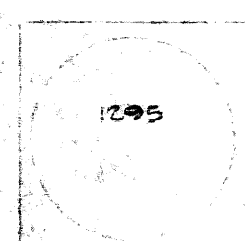
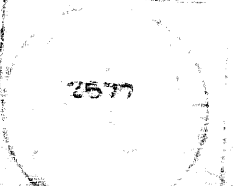
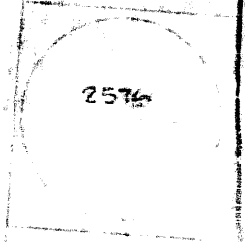
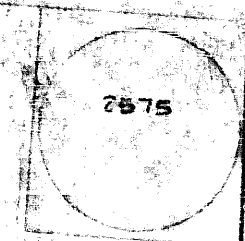
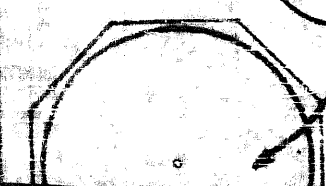
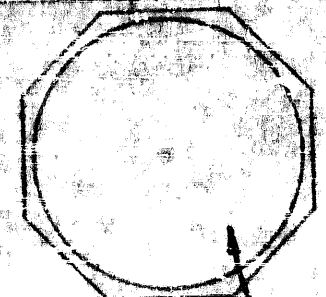
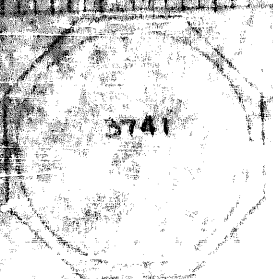
EL. 94.42

EL. 94.22

2 NEW 30,000 GAL.
TANKS, 12'-6" DIA. X 32' HIGH

TRENCH

PE LINE



EL. 97.0

DESTROY ALL PRINTS
BEARING EARLIER DATE

REV. BY
CHKD. BY
APP'D

APPROVED FOR CONSTRUCTION

A. P. E. DATE SIGNED

DRAWN BY: JPA
CHECKED BY:
TRACED BY:
TRAC & CKD:
APP'D:
APP'D:
SCALE: 1/8" = 1'-0"
DATE: 5-22-69

CONTRACTOR

RYAN & HAWORTH COMPANY

CONTR. JOB NO.

PORTLAND MARKETING TERMINAL
GUARDOL OIL FACILITIES
PORTLAND, OREGON

UNION OIL COMPANY
OF CALIFORNIA
LOS ANGELES, CALIF.

DRAWING NO.

L 2-05-69

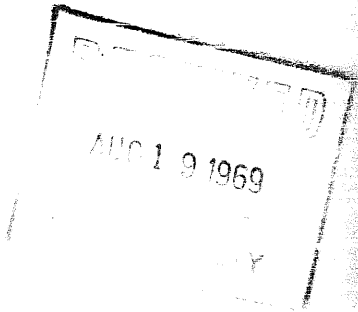
2 SHEETS

SHEET 2

129108

Union Oil Company of California

2901 Western Ave., Seattle, Washington 98111
Telephone (206) 682-7600



August 11, 1969

City Council
City of Portland
State of Oregon

PROJECT 2-5-69
Portland, Oregon M/T
Provide Additional Storage

Gentlemen:

By means of this letter, the Union Oil Company of California makes application for a City Council Ordinance to increase its bulk oil storage facilities at its Portland Marketing Terminal. This permit is required under the terms of Section 14-1409 of the Portland Fire Code.

The proposed storage will consist of two (2) 30,000 gallon, vertical, welded steel above ground tanks manufactured per API 650 Standards, along with attendant steel piping, walkways, pumps and electrical facilities. The tanks will be constructed at the company's existing petroleum storage terminal located at 5500 N.W. Doane Street. The tanks will be installed within an existing lube oil tank farm with concrete retaining wall. All design and construction will be in compliance with applicable City of Portland and related codes.

Previous lube oil storage has been authorized under Ordinance Nos. 99737, 118096 and 125390 granted by the City Council.

Attached is a \$100.00 check payable to the City Treasurer to cover the necessary ordinance fee. General Plot Plan and Key Map Drawing L2-05-69 is also attached. Additional design and construction drawings will be submitted to the Building Department when application for Building Permit is made.

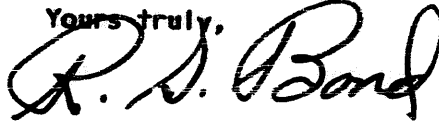
*\$100 check
put in Trustee
Account*

City Council

PROJECT 2-5-69

We request the City Council take favorable action on our ordinance requirement as soon as it is convenient for the Council to act.

Yours truly,



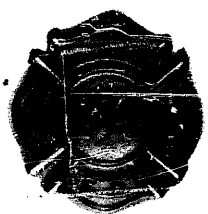
R. S. Bond
Regional Engineer

RSB:av

Attachments

cc: Fire Marshall's Office
55 Southwest Ash, Portland, Oregon
C. O. Lundblade - Portland
R. L. Cairney - Portland
E. I. Lash - Los Angeles
E. R. Freiss - Los Angeles

CITY of PORTLAND, OREGON



Stanley W. Earl
COMMISSIONER

James H. Riopelle
CHIEF

BUREAU OF FIRE FIRE PREVENTION DIVISION

55 S.W. ASH STREET 97204
JAMES R. KERR FIRE MARSHAL



Phone 228-6141
Ext. 485

August 29, 1969

Stanley W. Earl, Commissioner
Department of Public Safety
314 City Hall
Portland, Oregon

Dear Commissioner Earl:

UNION OIL COMPANY OF CALIFORNIA PERMIT TO CONSTRUCT LUBE OIL STORAGE TANKS AT WILLBRIDGE TERMINAL

The plans of the Union Oil Company of California and a letter of application for a permit to construct two (2) new 30,000 gallon, vertical, welded steel, aboveground flammable liquids tanks with attendant steel piping, walkways, dikes, etc., on their property at 5528 N. W. Doane Street, are forwarded for Council action as required by Section 14-1409 of the Portland Fire Code.

By their letter dated August 11, 1969, addressed to the City Council, the Union Oil Company of California, through Mr. R. S. Bond, Regional Engineer of the Union Oil Company, made application for a Council permit to increase the company's bulk lube oil storage facilities at its Portland Marketing Terminal.

This letter of application was referred to the Fire Marshal by inter-bureau memo August 19, 1969, by the Commissioner of Public Safety.

Mr. C. N. Christiansen, Director of the Bureau of Buildings, and the Fire Marshal inspected the proposed site on August 29, 1969, and discussed the project with Mr. Ralph Cairney, Terminal Superintendent.

This permit is to cover the erection of two (2) 30,000 gallon lube oil tanks in Tank Farm No. 4. The proposed tanks are designated on the enclosed company drawings No. L2-05-69, dated April 15, 1948, revised May 26, 1969, and sheet #2 of drawing No. L2-05-69, dated May 22, 1969, and for the record are outlined in red pencil.

We have examined the plans and find deviations from the requirements of the Portland Fire Code and the National Fire Code.

Tank Farm No. 4 lies contiguous to the Spokane, Portland, and Seattle Railway Company's right-of-way. It is proposed that the tanks will be located a distance of approximately ten (10) feet from this property line. Assuming that the railroad might remove its rails and erect a structure on this property, the oil company would then be in violation of Section 14-1410 of the Portland Fire Code, which requires that tanks having a capacity of 30,000 gallons shall be located at a minimum distance of 20 feet from the nearest line of adjoining property which may be built upon.

Commissioner Stanley W. Earl

August 29, 1969

This deficiency, however, is not considered serious from a fire hazard standpoint because of the high flash point characteristics of the lube oils to be stored in these tanks and the present use of this land by the railroad company for main-line and spur trackage. The National Fire Codes would permit the erection of this tank 1/3 the diameter of the tank (4'2") from the nearest side of any public way. In my judgment, the railroad trackage is the equivalent of a public way, as no structures are presently on this property and none is likely to be built in the foreseeable future.

Strict application of section 2173 (g) (1.) of Chapter II of the Flammable and Combustible Liquids Code of Volume I of the National Fire Codes, "Flammable Liquids," 1968-69 Edition (NFPA No. 30), would normally require an intermediate sub-dike to separate the proposed tanks from the existing tanks. However, the high flash point characteristics of lube oils would not make the storage, both existing and proposed, any safer if the sub-dike were not installed. Section 1030 of the above National Code reference states the authority having jurisdiction may alter the provisions of the code. The sub-dike requirements are therefore waived by the Fire Marshal as unnecessary, based on the stipulation that lube oils only may be stored in this tank farm.

The character of the combustible liquid to be stored is a comparatively safe petroleum product. The entire project is substantially in compliance with the requirements of Volume I of the National Fire Codes, which we adopt by reference. The proposed construction and use is in continuation of an earlier carefully reviewed and approved plan.

I recommend that the Council grant a revocable permit, subject to the following conditions:

1. That the company's drawings No. L2-05-69, dated April 15, 1948, revised May 26, 1969, and the company permit application letter dated August 11, 1969, shall be made a part of this permit.
2. That no flammable liquid with boil-over characteristics shall be stored in any tank authorized in this permit.
3. That no unstable or reactive liquid which will vigorously polymerize, decompose, condense, or become self-reactive under conditions of shock, pressure, or temperature, shall be stored in the tanks constructed under this permit.
4. That no flammable liquid having a flash point below 200° F. shall be stored in tanks authorized under this permit.
5. That the tanks erected and existing in Tank Farm No. 4 shall not be used at any time for the storage of flammable or combustible liquids having a flash point below that of ordinary motor lubricating oil.
6. That the tanks shall be built in accordance with American Petroleum Institute Standard No. 650, entitled "Welded Steel Tanks for Oil Storage," Third Edition, July 1966, and shall bear the A.P.I. Monogram.

Commissioner Stanley W. Earl

3.

August 29, 1969

7. That all construction, including tanks, tank pads, pipe supports, pumps, and walkways, shall be accomplished under permit from the Bureau of Buildings of the City of Portland and be in accordance with detailed drawings submitted to and approved by that Bureau.

The Union Oil Company's check in the amount of \$100.00 to cover the permit fee required by the Fire Code was deposited with the City Treasurer on August 19, 1969. We have filed the Treasurer's receipt No. 98550 in the Fire Marshal's office.

Respectfully submitted,



JAMES R. KERR
Fire Marshal

JRK:mb

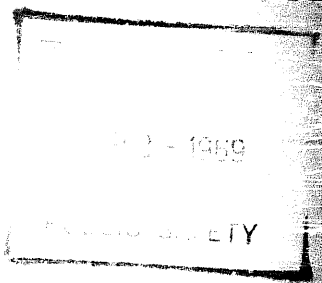
Enclosures

Letter of application dated August 11, 1969

Two copies of Union Oil Company's Drawings No. L2-05-69

CITY OF PORTLAND
INTER-OFFICE CORRESPONDENCE
(NOT FOR MAILING)

August 29, 1969



From Bureau of Buildings
To Department of Public Safety
Addressed to Commissioner Stanley W. Earl
Subject Request of Union Oil Company of California for a permit to construct lube oil storage tanks at Willbridge Terminal, 5528 N. W. Doane Street.

Dear Commissioner Earl:

In accordance with Section 14-1409 of the Fire Code of the City of Portland, investigation has been made of the request of Union Oil Company of California for a permit to construct lube oil storage tanks at Willbridge Terminal, 5528 N. W. Doane Street.

It is the recommendation of the Bureau of Buildings that this permit be granted in accordance with the recommendations of the Fire Marshal submitted in the attached report.

Respectfully submitted,

C. N. CHRISTIANSEN
BUILDING INSPECTIONS DIRECTOR

CNC:h1
Enc.

ORDINANCE NO. 129705

Recorded 12-2-69
Book 709 Page 1288

An Ordinance granting a revocable permit to Union Oil Company of California to construct lube oil storage tanks at Willbridge Terminal, 5528 N.W. Doane Street, subject to certain conditions, and declaring an emergency.

The City of Portland ordains:

Section 1. The Council finds that by letter dated August 11, 1969, Union Oil Company of California, by R. S. Bond, Regional Engineer, 2901 Western Avenue, Seattle, Washington 98111, made application for a permit to construct two new 30,000 gallon, vertical, welded steel, aboveground flammable liquids tanks with attendant steel piping, walkways, dikes, etc. on their property at 5528 N.W. Doane Street, Portland; that inspection has been made of the applicant's plans and premises and it has been recommended by the Fire Marshal and the Director, Bureau of Buildings that such permit be granted under certain conditions; now, therefore, Union Oil Company of California hereby is granted a revocable permit to construct two new 30,000 gallon, vertical, welded steel, aboveground flammable liquid tanks with attendant steel piping, walkways, dikes, etc. on their property at 5528 N.W. Doane Street, Portland, under the following terms and conditions:

a. That the Company's drawings No. L2-05-69, dated April 15, 1968, revised May 26, 1969, and the company permit application letter dated August 11, 1969, shall be made a part of this permit.

b. That no flammable liquid with boil-over characteristics shall be stored in any tank authorized in this permit.

c. That no unstable or reactive liquid which will vigorously polymerize, decompose, condense, or become self-reactive under conditions of shock, pressure, or temperature, shall be stored in the tanks constructed under this permit.

d. That no flammable liquid having a flash point below 200° F. shall be stored in tanks authorized under this permit.

e. That the tanks erected and existing in Tank Farm No. 4 shall not be used at any time for the storage of flammable or combustible liquids having a flash point below that of ordinary motor lubricating oil.

f. That the tanks shall be built in accordance with American Petroleum Institute Standard No. 650, entitled "Welded Steel Tanks for Oil Storage", third ed. July 1966, and shall bear the A.P.I. Monogram.

ORDINANCE No.

g. That all construction, including tanks, tank pads, pipe supports, pumps, and walkways, shall be accomplished under permit from the Bureau of Buildings of the City of Portland and be in accordance with the detailed drawings submitted to and approved by that Bureau.

h. The revocable permit hereby granted shall be revocable at the pleasure of the Council and no expenditure of money hereunder or lapse of time or any act or thing shall operate as an estoppel against the City of Portland or be held to give the permittee any vested or other right.

i. The revocable permit hereby granted is personal to the permittee and does not run with the land, nor may it be transferred, assigned or otherwise disposed of by said permittee.

j. The provisions of the Fire Code and generally all other applicable code and ordinance provisions and regulations of the City whether presently existing or hereafter enacted shall be complied with.

k. The revocable permit provided by this ordinance shall not become effective until permittee shall have filed with the City Auditor, in form approved by the City Attorney, a document in writing accepting the terms and conditions of this ordinance.

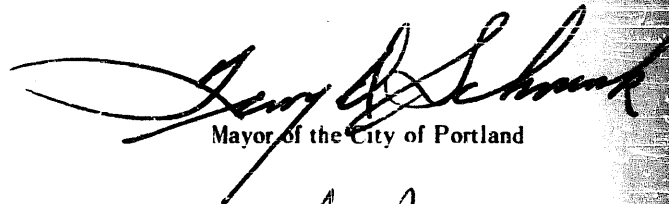
l. Upon the filing of such acceptance, the City Auditor shall at the expense of the permittee, file a certified copy of this ordinance and the acceptance thereof in the appropriate records of Multnomah County.

m. This ordinance shall not be deemed to waive any requirement of permit or permit fee contained in any of the codes or ordinances of the City.

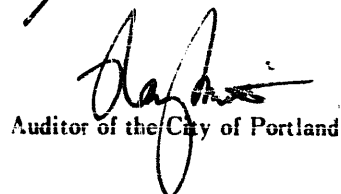
Section 2. Inasmuch as this ordinance is necessary for the immediate preservation of the public health, peace and safety of the City of Portland in this: In order that there may be no delay in providing additional storage facilities, all in the public interest; therefore, an emergency hereby is declared to exist and this ordinance shall be in force and effect from and after its passage by the Council.

Passed by the Council, SEP 11 1969

Commissioner Earl
9-3-69
MCR:gm


Mayor of the City of Portland

Attest:


Auditor of the City of Portland

Calendar No. 3771

ORDINANCE No. 129705

Title

An Ordinance granting a revocable permit to Union Oil Company of California to construct lube oil storage tanks at Wilbridge Terminal 5528 N.W. Doane Street, subject to certain conditions, and declaring an emergency.

THURSDAY

THE COMMISSIONERS VOTED AS FOLLOWS:

	Yeas	Nays
Bowes	/	
Earl	/	
Grayson	/	
Ivancie	/	
Schrunk	/	

FOUR-FIFTHS CALENDAR

Bowes	
Earl	
Grayson	
Ivancie	
Schrunk	

INTRODUCED BY
Commissioner Earl

DRAWN BY

MCR:gm

Date 9-3-69

NOTED BY THE COMMISSIONER

Affairs

Finance and Administration

Safety

Utilities

Works

City Attorney *MLP*

NOTED BY THE CITY AUDITOR

MLC

APPROVED

Date

By

City Engineer

Date

By

RAY SMITH

Auditor of the CITY OF PORTLAND

Filed SEP 4 1969

By *George Strehm*
Deputy