## APPLICATION FOLDER AND EVENT RECORD

File location of other materials submitted with this application: ________________________________

<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>MAY 10 1973</td>
<td>FILE &amp; FACILITY</td>
<td>RECORD INITIATED</td>
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<tr>
<td>5/16/73</td>
<td>Requested more info</td>
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<tr>
<td>6/4/73</td>
<td>Completed Provisional Permit Form</td>
<td></td>
</tr>
<tr>
<td>1/14/73</td>
<td>Completed PACN and Recommended T status and forwarded to Co.</td>
<td>TFW.</td>
</tr>
<tr>
<td>1/14/73</td>
<td>Completed Point Source Data Sheet and placed in Event Record.</td>
<td>TFW.</td>
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<tr>
<td>SOURCE NUMBER</td>
<td>TYPE CODE</td>
<td>DATE RECEIVED</td>
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<td>3/26/73</td>
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<td>T 002</td>
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<tr>
<td>T003</td>
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Prefix for Source Numbers:
B — Boiler
P — Process
R — Spray Booth
T — Storage Tank

Type Codes:
1 — Operate
2 — Construct or Modify
3 — Variance

Status Codes:
A — Approved
D — Denied
R — In Review
F — On File
T
NOTICE OF REGISTRATION

TO:
SUN OIL CO., OF PA.
ST. RT. #7, SO. OF MATAMORAS
GRANDVIEW

OHIO 45767

WITHDRAWN
JUN 28 1976

FOR:
APPLICATION NO 0684000132 1003
EQUIPMENT DESCRIPTION 20,000 BBL., FLOATING ROOF STORAGE TANK
COMPANY ID 20,000 BBL., STORAGE TANK
ISSUE DATE 05/21/76
EFFECTIVE DATE 07/05/76

(SEE ENCLOSED LETTER FOR EXPLANATION)

Ned E. Williams, P.E.
DIRECTOR
TO:
SUN OIL CO., OF PA.,
ST., RT. #7, SU., OF MATAWUS
GRANDVIEW OHIO 45767

FOR:
APPLICATION NO 0684000132 7003
EQUIPMENT DESCRIPTION 20,000 BBL., FLOATING ROOF STORAGE TANK
COMPANY ID 20,000 BBL., STORAGE TANK
ISSUE DATE 05/21/76
EFFECTIVE DATE 07/05/76

(SEE ENCLOSED LETTER FOR EXPLANATION)

----------------
NED E. WILLIAMS, P.E.,
DIRECTOR
APPLICATION FOR PERMIT

STORAGE TANKS

1. Facility Name: SUN OIL COMPANY OF PENNA.  Person to Contact: J. D. Lancaster
   Facility Address: STATE ROUTE 7
                  NEW MATAMORAS (Ohio) Wash. 45767

2. This Application is submitted for:
   ☑ Permit to operate an existing source
   ☑ Permit to construct a new source or modify an existing source
   ☑ Variance from regulation(s) ___________ for ___________ months

3. Check-list of information to accompany this application:
   ☑ Plans and drawings
   ☑ Process flow diagram
   ☑ Construction schedule
   ☑ Additional information

4. Tank identification:
   Name or number ________________________
   Producer: Sun Oil Co. of Penna.
   Density: 6.1 lbs/gal or ___________ °API
   Year installed: 1973-1974
   If material stored in tank is not photochemically reactive do not complete the remaining questions.

5. Material stored in tank:
   Trade name (Attach composition): Gasoline
   Grade: Regular
   If material stored in tank is not photochemically reactive do not complete the remaining questions.

6. Tank capacity: 20,000 bbl.
   (Indicate units) _______

7. Tank shape:
   ☑ Spherical
   ☑ Cylindrical
   □ Rectangular
   □ Other, specify ________________________

8. Tank dimensions:
   Diameter: 60'                  Height: 40'                  Length:                  Width: ________________________

9. Tank material of construction:
   ☑ Steel
   □ Wood
   □ Other, specify ________________________

10. Tank paint:
    ☑ Chalking white
        ☑ Lt. grey/blue
        □ Aluminum
        □ Dark color
        □ Other, specify ________________________

11. Type of tank: (Check all applicable)
    ☑ Fixed roof
    ☑ Floating roof
    □ Pressure
    □ Variable vapor space
    □ Open top
    □ Heated
    □ Insulated
    □ Underground
    □ Other, specify ________________________

12. If the tank has floating roof, complete the following:
    Type of roof: ☑ Double deck
                  □ Pontoon
                  ☑ Other, specify ________________________
    Type of seal: ☑ Single
                  □ Double
                  □ Other, specify ________________________
    Type of shell construction: ☑ Riveted
                                □ Welded
                                □ Other, specify ________________________

13. If other type of roof or cover, describe: Covered Floater

14. Maximum filling rate: gal/min. 2,000

15. Type of filling:
    ☑ Splash
    ☑ Submerged

16. Filling schedule: gal/day 100,000 bi-weekly

17. Average outage: Feet 21

18. Temperature of stored materials:
    Minimum: 28°F
    Maximum: 82°F

19. Vapor pressure of stored materials:
    9 - 15 psia @ 100°F

20. Vent valve data: Not Applicable

21. Check types of vapor control (if applicable):
    ☑ Adsorber
    □ Absorber
    □ Compression
    □ Cooling

22. Loading facilities for Tank-Truck, Trailer or Railroad car:

23. Maximum capacity of facility: gallons per day 190,000

24. Vapor loss during loading discharged to: ☑ Atmospheric

Important Note: If emissions from this source have been determined by source tests, material balances or
emission factors, include such data and supporting calculations with application.
PERMIT APPLICATION CHANGE NOTICE

FACILITY NAME

A. Reason for change (check as appropriate):

1. Initial recommendation of application status:

   a. Initial status is
   
   B. Change recommended status to:

2. Company ID for equipment

3. Change company ID equipment to:

4. Change description of equipment to:

5. Change type of application to:

   (1) Operate
   (2) Const. or Mod.
   (3) Variance

6. Change submission date of application to:

7. Change application number to:

8. Change facility telephone number to:

9. Change facility contact to:

10. Change facility name to:

11. Change facility address to:

12. Change mailing address to:

B. Applicability of change to other applications or permits for the same facility.

If you have checked block 8, 9, or 12 above and if this change applies to all applications and permits for this facility, place a check in this block. If the change applies to this application or permit only, do not check this block.

C. This section provides for the identification of a source which requires an Emergency Action Plan.

Check here if this source emits .25 tons per day or more of any air contaminant.

1 This block applies to the person to contact. The data given in this item will only be applied to the specific application number shown at the top right of this form unless Block B is marked. When Block B is marked the same change will be applied to all applications and data sheet having the same premise number.

2 If the facility name or facility address is changed, the same change will be applied to all applications and data sheets from the same facility location.
0184000132/7603

This 20,000 bbl Floating Roof Storage Tank has been built prior to approval of Application for Permit to Construct. This Application will be amended and changed to an Application for Permit to operate.

1/14/74

[Signature]
OHIO ENVIRONMENTAL PROTECTION AGENCY

COMPLIANCE UNDERSTANDING TO ACCOMPANY APPLICATION FOR PERMIT TO CONSTRUCT
OR MODIFY AN AIR CONTAMINANT SOURCE

NOTE: This form constitutes part of an application for a permit
to construct or modify an air contaminant source, and must be
read carefully, signed, and submitted to the Director before
such application can be considered complete.

This form constitutes part of the application for

SUN OIL COMPANY OF PENNSYLVANIA

(NAME OF SOURCE OWNER)

MAY 1, 1973

for a permit to construct or modify the following air contaminant source,
(describe air contaminant source for which application is made):

1 - 20,000 bbl. Covered Floating Roof Gasoline Storage Tank

I hereby certify that I am the individual responsible, under Regulation
AP-9-02(b)(3) of the Ohio Environmental Protection Agency, for the submission
of this application on behalf of the above-named source owner.

I understand that if this application is granted, and a permit to construct
or modify is issued, it shall not constitute assurance by the Ohio Environmental
Protection Agency that the air contaminant source described herein will be able
to operate in compliance with application law, or that such source will, upon
completion of construction or modification, be granted a permit to operate.

I further understand that no new or modified air contaminant source may
be placed in operation until it has applied for and obtained from the Director
either a permit to operate or a conditional permit to operate pursuant to the
requirements of AP-9-03.

Signature of authorized official

Stewart W. Nystrom, Manager
Central Region Marketing
Facilities and Distribution

Name and title of authorized official

Address

3530 Bigelow Boulevard
Pittsburgh, Penna. 15213

Date

May 4, 1973

(This part of the application need not be signed by the contractor performing
the construction or modification).
OHIO ENVIRONMENTAL PROTECTION AGENCY

CONSTRUCTION SCHEDULE

To Accompany Application For Permit-To-Construct
Or Modify An Air Contaminant Source

RECEIVED
MAY 1, 1973

This Form Constitutes Part Of The Application Of:

FACILITY NAME: SUN OIL COMPANY OF PENNSYLVANIA

ADDRESS: State Rt. 7, New Matamoras (Washington Co.), Ohio 45767

For A Permit-To-Construct Or Modify The Following Air Contaminant Source:

IDENTIFICATION: Gasoline Storage Tank

DESCRIPTION: 20,000 bbl. Covered Floating Roof

The Construction Or Modification Of The Above Air Contaminant Source
Will Follow The Time Schedule Described Below:

1. Equipment Ordered
   
   Approximately October 1, 1973

2. Construction Begun
   
   Approximately November 15, 1973

3. Construction Finished
   
   Approximately June 1, 1974

4. Compliance Verified *

* Unless written exemption is obtained from the Director, this demonstration requirement shall be by performance testing of the source in accordance with those procedures approved by the Director. For exemption from this requirement, contact the Agency to whom you submitted your application.
HORTON® WEATHERMASTER® SEAL
FOR FLOATING ROOFS IN TANKS WITH FIXED ROOFS

CHICAGO BRIDGE & IRON COMPANY

* Trademark of Chicago Bridge & Iron Company
MR. J.D. LANCASTER
SUN OIL COMPANY OF PENNSYLVANIA
P.O. BOX 39
GREENSBURG, PENNSYLVANIA 15601

Dear Mr. Lancaster,

I have received your application for a Permit-to-Construct for the installation of a tank with a floating roof. Before I can approve this application, I will need more information about the floating roof which is being installed. A cross-sectional view of the tank with the roof installed should be adequate description. Please submit the above requested information as part of your permit application. I will complete the processing of your application as soon as this information is received.

Sincerely,

[Signature]
Maximum Design Rate

\[
\frac{190,000 \text{ gpd}}{1000} = 190 \text{ gpd throughput/day}
\]

Normal Design Rate

\[
\frac{2,610,000 \text{ gpd/year}}{1010} \times \frac{1 \text{ year}}{365 \text{ days}} = \frac{7,150}{1000} \text{ gpd throughput/day}
\]
### ALLOWABLE EMISSIONS (TONS/YEAR)

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<th>NOₓ</th>
<th>HC</th>
<th>CO</th>
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<th>SO₂</th>
<th>NOₓ</th>
<th>HC</th>
<th>CO</th>
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<td>20</td>
<td>21</td>
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</table>

### CONTROL REGULATION

### EMISSION ESTIMATES (TONS/YEAR)

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<tr>
<td>15</td>
<td>16</td>
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<td>18</td>
<td>19</td>
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### CONTROL EFFICIENCY (%)

<table>
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<tr>
<th>Part.</th>
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<th>HC</th>
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<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
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### FITTINGS FURNISHED & INSTALLED BY CBI

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<tr>
<th>MARK</th>
<th>DESCRIPTION</th>
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<tr>
<td>10</td>
<td>22-A INNER ADJ. ROOF SUPPORT</td>
</tr>
<tr>
<td>11</td>
<td>19-A GAUGE CORRECTION TUBE</td>
</tr>
<tr>
<td>12</td>
<td>6 GI-A AUTOMATIC BLEEDER VENT 2&quot;</td>
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<tr>
<td>13</td>
<td>10-3 SEAL ENVELOPE (SPIKED)</td>
</tr>
<tr>
<td>14</td>
<td>10-4 DRAIN PLUG</td>
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<tr>
<td>15</td>
<td>10-6 STATIC ELECTRICITY DRAIN</td>
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<tr>
<td>16</td>
<td>10-7 COLUMN SEAL WELL</td>
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<tr>
<td>17</td>
<td>10-8 EXHAUST WELL FLANGE LADDER</td>
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<td>18</td>
<td>10-9 AUTO TANK GAGE</td>
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<td>19</td>
<td>10-10 GROUNDING LUG</td>
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<tr>
<td>20</td>
<td>10-11 GROUNDING LUG</td>
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### FITTINGS FURNISHED BY OTHERS INSTALLED BY CBI

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<tr>
<td>4</td>
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### TABLE OF ARCS

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<tr>
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<tbody>
<tr>
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<td>4'-10 1/2&quot;</td>
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<tr>
<td>30°</td>
<td>14'-8 1/2&quot;</td>
</tr>
<tr>
<td>45°</td>
<td>22'-0 1/2&quot;</td>
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**NOTE:**

- SEE DWG. 22 FOR DECK FITTING ORIENTATION

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**CONSTRUCTION NOTES**

- SINGLE FULL VEE GATE
- DUAL FULL VEE
- VEE GATE

**GENERAL NOTES**

- FLOTTING WEIGHT = 26,660# |

---

**FIELD NOTE:**

- PLUMB COLUMN BEFORE INSTALLING COLUMN WELL NECK PLATES

---

**DATA SHEET FOR SLAB TANK**

- CHICAGO BRIDGE & IRON COMPANY
- GENERAL PLAN

**SUN OIL COMPANY**

- FLOATING ROOF TANK
- FOR SUN OIL COMPANY
- LOUISVILLE, KENTUCKY

---

**DRAWN:**

- J. HENDERSON
- LJC

---

**SIGNED:**

- J. HENDERSON
- LJC

---

**CHECKED:**

- L. J. J.

---

**DATE OF DECK 8-4-6**

**SIGNED OF DECK 8-4-6**