

REGISTRATION CERTIFICATE
EPAC-10 REV. 7-73



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Stack # 117-519-10

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|---|--------------------------------------|--|--|------------------|
| EQUIPMENT CLASSIFICATION | | | | REGISTRATION NO. |
| <input type="checkbox"/> FUEL BURNING | <input type="checkbox"/> INCINERATOR | <input checked="" type="checkbox"/> PROCESS MFG. | <input type="checkbox"/> AIR POLLUTION CONTROL | 117-1005 |
| FIRM NAME | | | | DATE ISSUED |
| Atlantic Richfield Company | | | | 03/05/1986 |
| LOCATION OF EQUIPMENT (No. & Street, Town, Zip) | | | | |
| 280 Waterfront Street, New Haven, CT 06508 | | | | |
| COMMISSIONER OR HIS REPRESENTATIVE | | | | |

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Petroleum Storage Tank # 1; 90' Dia X 48' High

PROCESS (MANUFACTURING) EQUIPMENT PERMIT APPLICATION

STATE OF CONNECTICUT

AC-23 NEW 6-74

Department of Environmental Protection, Air Quality Section, Rm. 138, State Office Bldg., Hartford, Conn. 06115. Tel. 566-8230

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| 1. APPLICATION NO. | 2. STACK NO. |
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|----------------|--|---|---|--------------------------------------|-----------------------------------|--|--|-------------------------------------|
| TYPE OF PERMIT | Check all that apply: | <input checked="" type="checkbox"/> PERMIT TO CONSTRUCT | <input type="checkbox"/> PERMIT TO OPERATE | <input type="checkbox"/> REPLACEMENT | <input type="checkbox"/> ADDITION | <input type="checkbox"/> CHANGE OF ADDRESS | <input type="checkbox"/> CHANGE OF OWNERSHIP | <input type="checkbox"/> ALTERATION |
| | LEGAL NAME | | BUSINESS ADDRESS (No. & Street, City or Town) | | ZIP CODE | PHONE | | |
| FIRM | ARCO Petroleum Products Company | | 515 S. Flower St., Los Angeles, CA | | 90071 | 213-486-3511 | | |
| DIVISION | Atlantic Richfield Company, Distribution | | 1500 Market St., Philadelphia, PA | | 19101 | 215-567-3380 | | |
| APPLICANT | W. F. Robart, Terminal Superintendent | | 280 Waterfront St., New Haven, CT | | 06508 | 203-467-6668 | | |
| INSTALL. | | | | | | | | |

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|-------------------------------|--|--------------------------|----------------------------|---------------------------|--|---|--|--|
| EQUIPMENT FORMATION | TYPE OF EQUIPMENT (e.g., storage tank) AND PROCESS EXISTING CONE ROOF (STEEL) | | | | and Top Side Foam Chamber, AIR POLLUTION CONTROL EQUIPMENT USED (If YES file form EPA-C-23 also) | | | |
| | Petroleum Storage Tank #1, 89'11-7/8" Dia. x 48' H./Tobe Constructed; New Floating Roof, Tank Floor, YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | | | PERMIT EXEMPTION | | | |
| ESTIMATE THE FOLLOWING DATES: | | START-UP OF CONSTRUCTION | COMPLETION OF CONSTRUCTION | START-UP OF SYSTEM | DATE 7/25/84 | | | |
| | | 5/84 | 8/84 | 8/84 | EXEMPTED BY 9301, 22a-1743(a)(2) | | | |
| EXHAUST GAS FLOW RATE (ACFM): | | MAXIMUM | NORMAL | Breaching Gas Temp. (°F): | | IF APPLICABLE, PREVIOUS PERMIT REGISTRATION NO. FOR THIS SOURCE | | |
| | | N/A | | N/A | | N/A | | |

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|--|-----------|-------------------------|---------------------|--------------------|------------------------|---------------------------------|-------------------------------|------------------------------------|
| PROCESS WEIGHTS (Input, Raw Materials, Products, etc.) | MATERIALS | USE (Solvent, Catalyst) | ENTERING (Tons/Yr.) | LEAVING (Tons/Yr.) | 10. POLLUTANTS EMITTED | MATERIAL | RATE OF EMIS-SIONS (Tons/Yr.) | METHOD USED TO DETERMINE EMISSIONS |
| | | | | | | Gasoline Vapors | 0.73 T/Yr. | AP-42 |
| | | | | | | REID VAPOR PRESSURE 8 TO 13 PSI | CALCULATIONS ATTACHED | |

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| TYPES OF FUELS USED | FUEL | GRADE | SULFUR CONTENT | ASH CONTENT | ANNUAL USAGE (Tons, gals. or cu. ft.) | MAXIMUM FIRING RATE (lbs, gals, cu. ft./hr.) (BTU/hr.) | | 13. ADDITIONAL PROCESS AND EQUIPMENT INFORMATION | OPERATING HOURS | BATCH PROCESS | Hours/Batch |
| | | | % | % | | | | | | Batches/Day | |
| N/A | KEROSENE | | % | % | | | | N/A | | CONTINUOUS PROCESS | Hours/Day |
| | FUEL OIL | | % | % | | | | | | Hours/Day | |
| | NAT. GAS | | | | | | | | | | Hours/Day |
| | OTHER | | | | | | | | | | Hours/Day |
| STORAGE AND PROCESS TANK FORMATION | CAPACITY (Gallons) | | TYPE OF COVER | | ANNUAL USAGE | | MAXIMUM FIRING RATE | | N/A | CHEMICAL REACTOR | Hours/Day |
| | 2,188,410 | | <input type="checkbox"/> CLOSED WITH VAPOR RECOVERY SYSTEM <input type="checkbox"/> CLOSED WITH VENT TO ATMOSPHERE | | | | | | | | |
| MATERIAL BEING STORED | | (To Be Installed) | | TYPE OF COVER | | ANNUAL USAGE | | N/A | | CHEMICAL REACTOR | Hours/Day |
| Presently Fuel Oil Converted to UL Gasoline | | <input checked="" type="checkbox"/> FLOATING ROOF <input type="checkbox"/> OTHER (Specify) | | | | | | | | | |
| THROUGHOUT (Gal./Day or Gal./Yr.) | | STORAGE TEMP. | ADDITIVES (Type and concentration) | | ANNUAL USAGE | | MAXIMUM FIRING RATE | | N/A | | Hours/Day |
| 44,689,008 Gal./Yr. | | Amb. °F | --- | | | | | | | | |

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| STACK FORMATION | No. of sampling ports provided: | Nearest distance from sampling port to stack outlet, bend or obstruction: | DOWNSTREAM (ft.) | UPSTREAM (ft.) | LIST OTHER SOURCES VENTED TO STACK | | |
| | STACK EXIT DIRECTION <input type="checkbox"/> HORIZ. <input type="checkbox"/> VERT. | STACK EXIT DIMENSIONS I.D. _____ in. OR _____ in. X _____ in. | STACK HEIGHT (Feet) | IS STACK EQUIPPED WITH RAIN HAT? <input type="checkbox"/> YES <input type="checkbox"/> NO | STACK EXIT TEMP. °F | Are you submitting documentation of stack emissions? <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| N/A | SMOKE INDICATOR IN STACK <input type="checkbox"/> YES <input type="checkbox"/> NO | MAKE AND MODEL NO. OF INDICATOR | STACK LINING <input type="checkbox"/> METAL <input type="checkbox"/> REFRACTORY <input type="checkbox"/> OTHER (Specify) | | | | |

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| STACK LOCATION | Name of nearest intersecting street: | Distance to stack from intersection: | DIRECTION TO STACK: (Circle one) FT. N, NE, E, SE, S, SW, W, NW |
| | Waterfront & Alabama Streets, New Haven, CT | | |
| CERTIFICATION | I certify that I have examined the above information and that to the best of my knowledge it is true and complete. (Signature subjects signer to provisions of the General Statutes regarding false and misleading statements). | | DATE 5/1/84 |
| | SIGNED: <i>Michael Semanik</i> | TITLE: Area Field Engineer | |
| | NAME (Printed): Michael Semanik | | |

117-519 = 1005-08