

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street . . . San Francisco, CA 94109. . . (415) 749-4990 . . . FAX (415) 749-5030
Website: www.baaqmd.gov

APPENDIX H
ENVIRONMENTAL INFORMATION FORM
(To Be Completed By Applicant)

Date Filed: 6/23/16

General Information

1. Name and address of developer or project sponsor:
Phillips 66 Company
2. Address of project: 1380 San Pablo Avenue, Rodeo, CA 94572-1354
Assessor's Block and Lot Number: (see attachment to Appendix H)
3. Name, address, and telephone number of person to be contacted concerning this project:
Brent P. Eastep (510) 245-4672
4. Indicate number of the permit application for the project to which this form pertains:

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state, and federal agencies:
none
6. Existing zoning district: _____
7. Proposed use of site (Project for which this form is filed):
Project is to increase crude and gas oil off-loading at the marine terminal.

Project Description

8. Site size.
9. Square footage.
10. Number of floors of construction.
11. Amount of off-street parking provided.
12. Attach plans.
13. Proposed scheduling.
14. Associated project.
15. Anticipated incremental development.

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected.
17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities.
18. If industrial, indicate type, estimated employment per shift, and loading facilities
19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project.
20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required.

Are the following items applicable to the project or its effects? Discuss below all items checked yes. Attach additional sheets as necessary.

	Yes	No
21. Change in existing features of any bays, tidelands, beaches, or hills, or substantial alteration of ground contours.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22. Change in scenic views or vistas from existing residential areas or public lands or roads.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23. Change in pattern, scale or character of general area of project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24. Significant amounts of solid waste or litter.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25. Change in dust, ash, smoke, fumes or odors in vicinity.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26. Change in ocean, bay, lake, stream or groundwater quality or quantity, or alteration of existing drainage patterns.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27. Substantial change in existing noise or vibration levels in the vicinity.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28. Site on filled land or on slope of 10 percent or more.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29. Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
32. Relationship to a larger project or series of projects.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Environmental Setting

- 33. Describe the project site as is exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

- 34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.

Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

6/23/16
Date


Signature

For Brent P Eastep

(Note: This is only a suggested form. Public agencies are free to devise their own format for initial studies.)

**Phillips 66 Company - San Francisco Refinery
Form Appendix H – Addendum**

Project Description

2. Assessors Block and Lot Numbers: The Phillips 66 Rodeo Refinery is situated on property with the following assessor’s parcel numbers:

Parcel Number
357-310-003-3
357-310-005-8
357-310-006-6
355-040-002-6
355-040-003-4
357-010-002-8
357-010-003-6
357-300-005-0
357-300-008-4
357-310-001-7
357-310-002-5
355-040-009-1
357-320-002-3

- 8. Site size. *The project will be at the existing refinery.*
- 9. Square footage. *There will be no additional building square footage developed in association with this project.*
- 10. Number of floors of construction.
There will be no construction in association with this project.
- 11. Amount of off-street parking provided.
Because construction activities are not required, no additional parking facilities would be necessary.
- 12. Attach plans.
There are no plans required.
- 13. Proposed scheduling.
The modification would potentially be implemented upon approval and continue indefinitely.
- 14. Associated project.

This is a stand-alone project.

15. Anticipated incremental development.

No additional incremental development is anticipated.

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected.

Not Applicable.

17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities.

Not Applicable.

18. If industrial, indicate type, estimated employment per shift, and loading facilities.

The proposed project will not require additional operator support or employment.

19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project.

Not Applicable.

20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required.

None Required.

21. Change in existing features of any bays, tidelands, beaches, or hills, or substantial alteration of ground contours.

No physical modifications are necessary for project implementation. The project would have no effect on bays, tidelands, beaches, or hills, or substantial alteration of ground contours.

22. Change in scenic views or vistas from existing residential areas or public lands or roads.

No physical modifications are necessary for project implementation. The Project would have no effect on a scenic vista, and would not degrade the existing visual character or quality of the site and its surroundings.

23. Change in pattern, scale or character of general area of project.

The proposed project would not change the pattern, scale or character of the general area. The refinery is located at a site zoned and planned for heavy industrial use.

24. Significant amounts of solid waste or litter.

The Project would not generate additional quantities of solid waste.

25. Change in dust, ash, smoke, fumes or odors in vicinity.

During operation, the proposed project would not result in an increase in emissions above already permitted levels. Project operation emissions will be reviewed and permitted by BAAQMD and will comply with applicable requirements.

26. Change in ocean, bay, lake, stream or groundwater quality or quantity, or alteration of existing drainage patterns.

The project would not result in a change to the quality or quantity of water in San Pablo Bay or groundwater in the vicinity.

The project does not propose to alter existing site drainage patterns. No excavation, cutting, filling or changing of contours is required.

27. Substantial change in existing noise or vibration levels in the vicinity.

There will be no new noise-generating equipment included as part of the project. There will be no perceptible increases in existing noise levels.

28. Site on filled land or on slope of 10 percent or more.

The proposed project site is within the existing refinery. No site grading is required for this project.

29. Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.

The project does not anticipate use or disposal of any hazardous materials, toxic substances or explosives. The use or disposal of any of these types of materials present at the refinery would not change as a result of this project.

30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).

The Refinery has emergency response teams that are trained and equipped to respond to fires, rescues, hazardous material releases, and

other emergencies that could occur at the Refinery. This project would not increase the probability of fires, rescues, hazardous material releases, and other emergencies that would require by refinery personnel or outside municipal services.

31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).

The proposed project would not increase fossil fuel consumption at the refinery.

32. Relationship to a larger project or series of projects.

This is a stand-alone project.

Environmental Setting

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

The project would be undertaken at the existing refinery, a previously disturbed, leveled, industrialized area currently occupied with refinery equipment. Existing structures include distillation columns, heaters, compressors, pumps, pipe racks and process vessels. No physical changes to existing equipment or the site are proposed as part of this project.

34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, setback, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.

The proposed project would be located entirely within the Phillips 66 Refinery. The refinery encompasses a total of 1,100 acres of land consisting of the 495-acre active area of the Refinery, and another 600 acres of undeveloped areas. The property is zoned Heavy Industrial.

Land uses to the northeast of the Refinery are a combination of industrial (Shore Oil Terminal to the north) and undeveloped open space to the east. Land use to the south is light industry, the Bayo Vista residential area is to the southwest, beyond a 300-600 foot undeveloped area, and San Pablo Bay is to the west. Both undeveloped areas are Phillips 66 property and are maintained as greenbelt areas between the developed portion of the refinery property and adjacent lands.

The barren and urban areas of the developed refinery complex provide little to no habitat for plants and animals. Urban habitat (including eucalyptus tree groves, street strips, and other landscaped features around office and administration buildings) provides for occasional use by wildlife (e.g., doves and sparrows). Undeveloped areas to the north, east and south are primarily non-native grassland and coastal scrub. Wildlife commonly found in these habitats include mice, gophers, ground squirrels, red fox, gopher snakes, red-tailed hawk, American kestrel and black-tailed deer. Freshwater, saltwater and brackish marsh wetlands are found in the southwestern part of the Refinery Complex. Plants found here include wetland grasses, sedges, rushes, and cattails. Animals include salt marsh harvest mouse, waterfowl and shorebirds.

There are no known sites of cultural significance in the vicinity of the refinery, and the only historical resource, the Selby Smelter, is no longer present. The Refinery has been an active industrial facility for more than 100 years and is an established part of the visual landscape of the area. It is the dominant visual feature, particularly from Interstate 80, which separates the main Refinery process area and storage tank facilities from another portion of the tank farm. It contrasts with the rolling and grassy hills to the east and north, residential areas to the south, and views of San Pablo Bay at Rodeo's western waterfront, including a diverse mixture of salt marshes, railroad tracks, industrial activities, housing and parkland.



Prepared for:
Phillips 66
San Francisco Refinery



Estimated Emissions Increases and Human Health Risk Impacts Associated with the Marine Terminal III Project

Phillips 66 San Francisco Refinery
Rodeo, California

June 2016

www.erm.com



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LIST OF ACRONYMS

µg	micrograms
µg/m ³	micrograms per cubic meter
ASF	age sensitivity factor
BAAQMD	Bay Area Air Quality Management District
bbf	barrels
CARB	California Air Resources Board
CO	carbon monoxide
DPM	diesel particulate matter
DWT	dry weight tonnage
ERM	ERM-West, Inc.
g/kW-hr	grams per kilowatt-hour
g/s	grams per second
HC	hydrocarbons
HI	hazard index
hp	horsepower
HRA	health risk assessment
IMO	International Maritime Organization
kW	kilowatt
L/kg BW-day	liters per kilogram of body weight per day
LF	load factor
MEIR	maximum exposed individual at a residence
MEIW	maximum exposed individual at a place of work
mg	milligram
mg/kg BW-day	milligrams per kilogram of body weight per day
nm	nautical miles
NO _x	nitrogen oxides
OEHHA	Office of Environmental Health Hazard Assessment
OGV	Ocean-Going Vessel
Phillips 66	Phillips 66 – San Francisco Refinery
PM	particulate matter
PM ₁₀	PM with aerodynamic diameters less than 10 micrometers

PM _{2.5}	PM with aerodynamic diameters less than 2.5 micrometers
POC	Precursor organic compounds
PSD	prevention of significant deterioration
PTO	Permit to Operate
MDO	Marine Distillate Oil
ROG	reactive organic gases
SO ₂	sulfur dioxide
SO _x	sulfur oxides
TAC	toxic air contaminant
USEPA	U.S. Environmental Protection Agency
UTM	Universal Transverse Mercator
VOC	volatile organic compounds

EXECUTIVE SUMMARY

The Phillips 66 San Francisco Refinery in Rodeo, California, is proposing to increase the allowable crude and gas oil delivered to its Marine Terminal to a total of 130,000 barrels per day (bbl/day) based on a 12-month rolling average. The current Permit to Operate (PTO) issued by the Bay Area Air Quality Management District (BAAQMD) currently limits the Marine Terminal to 51,182 bbl/day based on a 12-month rolling average, approved in 2012. This proposed increase would not change the overall amount of crude and gas oil that the refinery is currently permitted to process.

This document presents estimated emissions for the proposed action, as well as an assessment of potential health risks posed by the proposed allowable emissions increases. This information is provided for consideration by the BAAQMD in assessing this project compared to an historical baseline and for amendment of the current air permit.

Section 2.0 of this document presents estimated air emissions increases as a result of the proposed increase in allowable crude and gas oil deliveries to the Phillips 66 Marine Terminal. These would include marine vessel main and auxiliary engine emissions while transiting and maneuvering in California Coastal Waters and through San Pablo Bay to the Marine Terminal, and vessel emissions from auxiliary engines and boilers for pumping and/or space/ water heating during hoteling at the Marine Terminal. Two emissions scenarios are described:

- Historical Baseline Assessment. Emissions increases with an increased shipping volume of 99,318 bbl/day (on a 12-month rolling average basis), which is relative to the pre-2012 baseline of 30,682 bbl/day average.
- Air Permitting Assessment. Emissions increases with an increase in shipping volume of 78,818 bbl/day (on a 12-month rolling average basis), which is relative to the current permitted limit of 51,182 bbl/day average.

The Historical Baseline Assessment scenario is provided for purposes of project assessment compared to the previous marine terminal activity levels, given that this new request is only 4 years after the prior increase permitted at the Marine Terminal. For historical baseline purposes, Section 2.0 provides emission estimates from the pre-2012 baseline of 30,682 bbl/day to 130,000 bbl/day on a 12-month rolling average basis for marine vessel activity from the Sea Buoy (11 nautical miles (nm) out from the Golden Gate) to the Phillips 66 Marine Terminal berth, hoteling at the Marine Terminal, and back out to the Sea Buoy.

The Air Permitting Assessment scenario is provided for air permitting purposes for amending the current air permit limit of 51,182 bbl/day to 130,000 bbl/day on a 12-month rolling average basis. For air permitting purposes, emissions under BAAQMD jurisdiction include only vessel hoteling and pumping emissions while berthed at the Marine Terminal. However, required facility emissions to be offset also include vessel transiting and maneuvering emissions from the Sea Buoy to the Marine Terminal and back to the Sea Buoy, so for this purpose, these are also calculated under the assumptions of this scenario and presented in Section 2.0.

Emissions include diesel particulate matter (DPM) and other toxic air contaminants (TACs) that can pose human health risks, which were estimated for the proposed action by a health risk assessment (HRA). Air dispersion modeling was performed as described in Section 3.0, and an HRA prepared under both scenarios following recently revised guidelines issued by the California Office of Environmental Health Hazard Assessment (OEHHA) as described in Section 4.0. Results are reported for maximum cancer risks and for hazard indices (HIs) for chronic and acute non-cancer health effects. Thresholds for significant health impacts are cancer risks greater than 10 in one million and HIs exceeding 1.0.

One HRA run supports the historical baseline (Historical Baseline Assessment) and the other supports air permitting (Air Permitting Assessment). Impacts from marine vessel transiting, maneuvering, and while docked at the Marine Terminal were included in the Historical Baseline Assessment. For air permitting, only impacts while marine vessels were docked were included. Table ES-1 summarizes the maximum health risk findings.

Table ES-1 Summary of Health Risk Assessment

	Residential	Offsite Worker
Historical Baseline Assessment		
Cancer Risk	9.85 in one million	0.72 in one million
Chronic Hazard Index	0.008	0.009
Acute Hazard Index¹	0.54	0.77
Air Permitting Assessment		
Cancer Risk	5.71 in one million	0.48 in one million
Chronic Hazard Index	0.006	0.007
Acute Hazard Index¹	0.54	0.77

¹ Note: The maximum acute emissions case is one marine vessel docked in any given hour, thus the maximum acute HI case is the same for both runs.

1.0 INTRODUCTION

1.1 Purpose of Document

The Phillips 66 San Francisco Refinery (Phillips 66) requested ERM-West, Inc. (ERM) to prepare detailed marine vessel emissions estimates and a health risk assessment (HRA) of its proposed increase in crude and gas oil delivered to their Marine Terminal. The purpose of this document is to provide a description of the methodologies used to develop the marine vessel emissions estimates and HRA, as well as present the results. The marine vessel emissions estimates and HRA will be used during the permitting process under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD) and also in evaluating the potential impacts to air quality required compared to an historical baseline.

1.2 Proposed Project Description

Phillips 66 is seeking to increase the allowable crude and gas oil delivered to its Marine Terminal to a total of 130,000 barrels per day (bbl/day) based on a rolling 12-month average, termed in this document as the “Marine Terminal III Project.” Currently Permit Condition 4336, Part 7 (PC 4336-7) limits the amount of crude and gas oil delivered to 51,182 bbl/day based on a rolling 12-month average.

In 2012, Phillips 66 obtained a revision to the existing Permit to Operate (PTO) and a Minor Revision to the Major Facility Review (Title V) Permit issued by BAAQMD to the Phillips 66 San Francisco Refinery (BAAQMD Facility #A0016). Phillips 66 requested an increase of 20,500 bbl/day in the Marine Terminal (S425, S426) offloading limit contained in PTO Permit Condition 4336-7. Upon BAAQMD approval, this limit was increased from 30,682 to 51,182 bbl/day, on a 12-month rolling average basis. This previous project was described in the *Marine Terminal Offload Limit Revision Project Initial Study* (BAAQMD 2012).

Phillips 66 does not propose to make any physical changes to the Marine Terminal or any associated equipment at the refinery. This proposed increase would not change the overall amount of crude and gas oil that the refinery intends to process. It is simply a change in how the refinery may receive its crude oil supplies. There will be no increase in the total amount of crude and gas oil currently permitted to be processed by the Phillips 66 refinery.

Phillips 66 recognizes that the proposed marine vessel delivery limit increase is requested only 4 years after the prior increase permitted at the Marine Terminal. Thus, the analysis described in this document compares the proposed marine vessel emission increases and impacts to levels consistent with both the currently

permitted operation, and operations prior to 2012. This would establish emission increases from current permit limit, as well as a total emissions increase from all recently requested marine vessel delivery increases combined.

The pre-2012 marine vessel delivery baseline was 30,682 bbl/day. Therefore the net increase in requested maximum marine vessel deliveries from this pre-2012 baseline is 99,318 bbl/day. This delivery volume increase was used to estimate the total change in associated criteria pollutant emissions as well as increase in health risks since the pre-2012 baseline.

As part of the *Marine Terminal Offload Limit Revision Project* (BAAQMD 2012), the mass emissions increase of nitrogen oxides (NO_x) was mitigated to net zero through the surrender of offsets. Phillips 66 intends to also offset the proposed NO_x emissions increase associated with the proposed additional marine vessel deliveries. The current permit limit for marine vessel deliveries is 51,182 bbl/day, which would establish a net increase for offsetting purposes of 78,818 bbl/day to reach the desired total maximum marine vessel delivery limit of 130,000 bbl/day.

1.3 Air Permitting Assessment

1.3.1 Air Permitting Emissions Increases

Emission increases from receiving an additional 78,818 bbl/day by marine vessel (the proposed increment from the current PTO limit of 51,182 bbl/day) would be associated with marine vessels while traveling within BAAQMD waters and while berthed at the Marine Terminal. For stationary source permitting purposes, including compliance with prevention of significant deterioration (PSD) applicability, only the emissions from ships at the wharf are considered.

For purposes of offsets required by BAAQMD Rules 2-2-302 and 2-2-303, ship transit emissions must also be included in addition to emissions at the wharf while the ship is docked. The transit distance extends from the Marine Terminal out to 11 nautical miles (nm) west of the Golden Gate Bridge, which is the location where licensed Bar Pilots are required to navigate into the San Francisco Bay. Emissions associated with marine vessel deliveries up to the current 51,182 bbl/day limit have already been offset, so emissions subject to offsets would be those associated with the additional proposed 78,818 bbl/day marine vessel deliveries, as previously mentioned.

1.3.2 Air Permitting Health Risk Assessment

An HRA was performed to evaluate the potential increase in cancer and non-cancer chronic health risks from ship emissions increases at the berth. BAAQMD

Rule 2-5 (New Source Review of Toxic Air Contaminants [TACs]) requires analysis of impacts from TAC emissions from new or modified sources, subject to BAAQMD Rule 2-1. This analysis was based upon the additional 78,818 bbl/day of marine vessel deliveries as just discussed.

1.4 Historical Baseline Assessment

1.4.1 Historical Baseline Emissions Increases

Emission increases from receiving an additional 99,318 bbl/day by marine vessel (the proposed increment from the pre-2012 baseline of 30,682 bbl/day) for the historical baseline impact analysis would be associated with marine vessels while traveling within BAAQMD waters and while berthed at the Marine Terminal. There would not be any construction emissions associated with the project, or any other operational emission increases.

1.4.2 Historical Baseline Health Risk Assessment

Health risk impacts for the historical baseline analysis evaluated cancer risk and chronic non-cancer health effects from vessel transit to the refinery and hoteling at the berth. In addition, acute health effects were evaluated for activities occurring while the vessels are hoteling at the Marine Terminal. This analysis was based upon the additional 99,318 bbl/day of marine vessel deliveries as just discussed.

2.0 MARINE VESSEL EMISSIONS

The Marine Terminal III Project emissions are from engines and boilers operating on ships and barges associated with off-loading crude and gas oils at the Phillips 66 Marine Terminal, and associated tugboat emissions. Criteria pollutant and TAC emission increases that occur while ships and barges are stationed at the Phillips 66 Marine Terminal would be used to determine PSD applicability as described in Regulation 2-2. Additional emissions of criteria pollutants are estimated for ships and barges transiting out 11 nm from the Golden Gate Bridge for purposes of offsetting criteria pollutant emissions. For purposes of the HRA, TAC emissions from transiting a few nautical miles to and from the Marine Terminal are also assessed so the health impact from these emissions are included for sensitive receptors located near the Phillips 66 Marine Terminal.

2.1 Methodology

This section describes the methodology used to develop the emission inventories to quantify both criteria pollutant and TACs associated with increased ship and barge calls to the Phillips 66 Marine Terminal. For the various types of marine vessels, emissions are estimated by the source's activity multiplied by an emission factor characteristic of that source for each pollutant. Section 2.1.1 describes the vessel types. Section 2.1.2 describes the ship and barge characteristics that are needed to define the ship and barge activities. Section 2.1.3 details criteria pollutant emission factors that are characteristic of the ship and barge sources. Finally, Section 2.1.4 describes the speciation profiles used to develop TAC emission estimates for the HRA.

2.1.1 Vessel Types

There are several types of vessels that may be used to deliver crude and gas oil to the Phillips 66 Marine Terminal. Barges are typically used to deliver small loads of crude or gas oil to the refinery. Tankers are the type of ship vessel used to deliver larger quantities of crude or gas oil to the refinery. Tankers come in a wide variety of sizes and carrying capacities. A typical classification for tankers is based on the total dry weight tonnage (DWT) of a tanker. A Panamax tanker has a DWT between 50,000 and 79,999 and can carry around 500,000 bbl of crude. An Aframax tanker has a DWT between 80,000 and 119,999 and can carry around 750,000 bbl of crude. A Suezmax tanker has a DWT between 120,000 and 199,999 and can carry around 1,000,000 bbl of crude.

Phillips 66's history of recent ship calls to its Marine Terminal was evaluated to determine the types of vessels that typically deliver crude and gas oils. While Phillips 66 had vessels of various sizes including tankers from the Panamax,

Aframax, and Suezmax classes, the majority of tankers could be placed in either the Suezmax or Panamax class. To simplify vessel classification of the ship call history, tankers were classified as "Suezmax" or "Panamax" tankers. Information on tanker size was based on vessel name and International Maritime Organization (IMO) number for all tankers that could be found in publicly available sources. The ship call history also indicated the number of barge calls. Once the tanker and barge calls were classified, the average amount of crude and gas oil unloaded per call per vessel class was estimated. Based on Phillips 66's recent history, 60 percent of crude and gas oil volume was delivered by Suezmax vessels, 30 percent by volume was delivered by Panamax vessels and 10 percent by volume was delivered by barges. According to discussions with Phillips 66 staff from the Marine Terminal, about 40-60 percent of vessels use a boiler to offload crude and gas oil. Therefore, it was assumed that all Suezmax tankers used a boiler for product offloading, which is consistent with this estimate. Panamax tankers were assumed to use their auxiliary engines to offload crude and gas oil. Table 2-1 summarizes the vessel classification used to determine the types of vessels analyzed for these emission estimates. Engine sizes for the various tanker classes were found in the *Port of Long Beach Air Emissions Inventory - 2011* (Starcrest 2012).

Table 2-1 Vessel Characteristics

Characteristics	Vessel Type		
	Suezmax Tanker	Panamax Tanker	Barge
DWT	120,000-199,999	50,000-79,999	--
Average load bbl per call	415,991	283,070	61,444
% of total volume	60%	30%	10%
Total number of calls - historical baseline increment	54.92	40.35	61.97
Total number of calls - air permit increment	44.13	32.42	49.79
Total main engine Size	18,587 kW	11,060 kW	--
Auxiliary engine size	988 kW	867 kW	99 kW
Boiler size	3,000 kW	--	--

kW = Kilowatts

Tugboats are also used to guide vessels as they transit through the San Francisco Bay and maneuver into the berths. Suezmax and Panamax tankers require one to four tugs at various phases in their pathway from sea to berth. Barges typically are paired with a tug to provide propulsion and require additional tugs for some phases for steering and guidance. Table 2-2 shows the assumptions used for tug assistance. The engine size of the tugs is based on the Port of Richmond 2005 Emission Inventory, which lists values for Class A tugs (Moffatt & Nichol et al. 2010).

Table 2-2 Tugboat Characteristics

Characteristics	Vessel Type		
	Suezmax Tanker	Panamax Tanker	Barge
At berth	0	0	1
Maneuvering	3	2	2
Transiting	2	2	2 to Sea Buoy 25 1 other areas
Main engine size	4,344 hp	4,344 hp	4,344 hp
Auxiliary engine size	128 hp	128 hp	128 hp

hp = Horsepower

2.1.2 Ship and Barge Activity

Ships and barges may have up to three main types of emission sources: propulsion main engines, auxiliary engines, and auxiliary boilers. Typically barges do not have propulsion main engines, but rely on tugboats for propulsion. Tugboats are required to guide ships and barges through the San Francisco Bay. Tugboats typically have propulsion main engines and auxiliary engines. Tugboat emissions are included with transiting activities. For barges, one tug is assumed to be parked with a barge at all times.

Activities for vessels are typically discussed by referencing three modes of operation: transiting, maneuvering, and hoteling at berth. Transiting occurs when the vessel is moving from the outer sea into the San Francisco Bay and continuing through the Bay along the deep water ship channel until it is near the Marine Terminal. Maneuvering occurs as the engine is in its final approach to the berth. During maneuvering, the vessel will decrease main engine activity and start to increase auxiliary engines and boilers in preparation for mooring. Once the vessel is moored, it is considered to be hoteling at the Marine Terminal. While hoteling, the main engines are not in operation. Boilers and/or auxiliary engines will be operating to provide power to unload the crude or gas oil and to operate any necessary ship lighting and other miscellaneous auxiliary equipment.

To describe the vessel activities that may occur, the vessel types that may call on Phillips 66 were characterized. The following subsections describe the detailed activity occurring at the berth and during transiting and maneuvering.

2.1.2.1 Hoteling at Berth Activities

The vessel upon reaching the berth properly moors (secures with ropes to the berth) and conducts inspections. Once the vessel is properly moored and inspected, the vessel will begin to unload the crude and gas oils via pipeline. The

pumping action is driven by either an auxiliary internal combustion engine or a boiler used to drive a hydraulic pump. It was assumed that the pumping rate is 20,000 bbl per hour. This was based on conversations with Phillips 66 Marine Terminal staff on rates of unloading, evaluation of historical time spent at berth and amount unloaded. After product is unloaded, the vessel starts the unmooring process. Occasionally a vessel may need to wait at the berth until the tides are at the proper level and they have been cleared to transit through the shipping channel. Based on discussions with Phillips 66 Marine Terminal staff and analyzing historical ship call information at Phillips 66 Marine Terminal, it was estimated that an additional 6 hours is required beyond the pumping time to account for mooring, inspecting, and unmooring activities.

2.1.2.2 Transiting and Maneuvering Activities

To estimate the vessel’s transit time, the vessel routes from the Sea Buoy (Pilot boarding point) located 11 nm west of the Golden Gate Bridge to the Phillips 66 Marine Terminal were considered. The distance and speed that vessels travel are important in estimating emissions during transiting and maneuvering. Table 2-3 shows the distances, assumed transiting speeds, and travel time for several key travel segments. An additional 0.25 hour each way was added to maneuvering to account for positioning during mooring and unmooring. For the HRA, only segments between San Pablo Point and the Phillips 66 Marine Terminal were included. The full segment length out to the Sea Buoy was included for analysis of criteria pollutant emissions for purposes of assessing emissions offset requirements. Tugs were assumed to travel along vessels for the entire length considered in the HRA. Tugs were assumed to travel the same amount of total time as vessels for criteria pollutant estimates toward emissions offset requirements.

Table 2-3 Transiting Segment Characteristics

Segment	Distance (nm)	Speed (knots)	Time (hours)
Pilot Station Sea Buoy to Mile Rock 1 nm west of Golden Gate Bridge	10	12	0.83
Mile Rock (1 nm west of Golden Gate Bridge) - SPB Light #5	19	10	1.90
SPB Light #5 to Richmond-San Rafael Bridge	2.02	8	0.25
Richmond-San Rafael Bridge- Maneuvering	9.77	8	1.22
Maneuvering-Berth	0.2	5	0.29
Berth-Maneuvering	0.2	5	0.29
Maneuvering to Richmond-San Rafael	9.77	8	1.22

Bridge			
Richmond-San Rafael Bridge to SPB Light #5	2.02	8	0.25
SPB Light #5– Mile Rock 1 nm west of Golden Gate bridge	33	10	3.3
Mile Rock 1 nm west of GG bridge to Pilot Station Sea Buoy	10	12	0.83
Total Round Trip	95.96		10.39

nm = nautical miles

The load on the main and auxiliary engines as well as boilers varies depending on the travel phase. The engine loads or loaded power ratings are shown in Table 2-4. The maneuvering and transiting load factor (LF) is based on a power law corresponding to vessel speed as described in the *Port of Long Beach Air Emissions Inventory – 2013* (Starcrest 2014). This LF is combined with the total engine power to estimate the loaded power rating. Auxiliary engine loaded power ratings were taken from the *Port of Long Beach Air Emissions Inventory – 2013* (Starcrest 2014), which is based on observations of loaded power ratings for tanker auxiliary engines while in use. Since this is a loaded power rating, it is not combined with an LF. For auxiliary engines on barges, the loaded power rating value for an ocean tug auxiliary engine reported in the *Port of Long Beach Air Emissions Inventory – 2013* (Starcrest 2014) was used. Tug load factors were taken from the *Port of Richmond 2005 Emissions Inventory* (Moffatt & Nichol et al. 2010). Boiler loads during maneuvering were based on the *Port of Long Beach Air Emissions Inventory – 2011* (Starcrest 2012).

Table 2-4 Engine Loads or Loaded Power Rating

	Phase	Suezmax Tanker	Panamax Tanker	Barge	Tug
Main engine	At Berth	0	0	NA	0
	Maneuvering	0.037 (LF)		NA	0.31 (LF)
	Transiting	0.15 @8 knots (LF) 0.30 @ 10 knots (LF) 0.512 @12 knots (LF)		NA	
Auxiliary engine	At Berth	778 kW	683 kW	99 kW	0.43 (LF)
	Maneuvering	988 kW	867 kW	99 kW	
	Transiting	718 kW	630 kW	99 kW	
Boiler	At Berth	1 (LF)	NA	NA	NA
	Maneuvering	0.12 (LF)	NA	NA	NA
	Transiting	0	NA	NA	NA

LF = Load factor
kW = Kilowatts
NA = Not applicable

2.1.3 Criteria Pollutant Emission Factors

Criteria pollutant emission factors are based on the engine or boiler type, fuel type, and other factors. Emission factors are listed in Table 2-5.

2.1.3.1 Tanker Main Engines

The emission factors for main engines for both the Suezmax and Panamax tankers were derived from the base emission factors from the California Air Resources Board (CARB) Ocean-Going Vessel (OGV) emission inventory methodology, *Emissions Estimation Methodology for Ocean-Going Vessels*, Appendix D, Tables II-6 and II-7 (CARB 2011). The emission factor for a slow engine speed using 0.1 percent sulfur Marine Distillate Oil (MDO) was used. These emission factors are adjusted upward in Table 2-5 to account for increased emissions under low load, based on the low load adjustment multipliers listed in the Port of Long Beach's 2013 Emission Inventory (Starcrest 2014) for any loads less than 20 percent.

2.1.3.2 Tanker Auxiliary Engines

The emission factors for auxiliary engines for both the Suezmax and Panamax tankers are based on the emission factor for auxiliary engines using 0.1 percent sulfur from CARB *Emissions Estimation Methodology for Ocean-Going Vessels* (CARB 2011).

2.1.3.3 Tanker Boilers

The emission factors for boilers are based on emission factors from CARB *Emissions Estimation Methodology for Ocean-Going Vessels* (CARB 2011) adjusted to 0.1 percent sulfur fuel using fuel correction factors listed in the Port of Long Beach's 2011 Emission Inventory (Starcrest 2012).

2.1.3.4 Barge Auxiliary Engines

The emission factors for auxiliary engines for barges are based on the emission factors for auxiliary engines using 0.1 percent sulfur from CARB *Emissions Estimation Methodology for Ocean-Going Vessels* (CARB 2011).

2.1.3.5 Tug Main and Auxiliary Engines

The emission factors for main and auxiliary engines in tugs are based on emission factors used in the *Port of Richmond 2005 Emissions Inventory* (Moffatt & Nichol et al 2010), which incorporate typical fleet characteristics of Class A tugs used in the San Francisco Bay following CARB's harbor craft emission factor methodology using deterioration factors (CARB 2007).

Table 2-5 Vessel and Tug Emission Factors

Vessel Type	Engine Type	Segment	PM	ROG	NOx	SO ₂	CO
			g/kW-hr				
Suezmax & Panamax Tanker	Main	Maneuvering	0.9959	7.008	2.34184	0.00282	9.044
		Transiting	0.2553 @8 knot 0.23 @10-12 knots	0.816 @ 8 knot 0.6 @ 10-12 knots	0.8501 @8 knot 0.802 @10-12 knots	0.3924 @ 8 knots 0.36 @ 10-12 knots	1.848 @ 8 knots 1.4 @ 10-12 knots
	Auxiliary	All modes	0.25	0.52	13.9	0.42	1.1
	Boiler (Suezmax tanker only)	All modes	0.136	0.11	1.97	0.61	0.2
Barge	Auxiliary	All modes	0.25	0.52	13.9	0.42	1.1
Tugs	Main	All modes	0.44	0.69	11.41	0.09	2.82
	Auxiliary	All modes	0.59	0.85	11.13	0.09	3.3

g/kW-hr = grams per kilowatt-hour

ROG = reactive organic gases -- used interchangeably with volatile organic compounds (VOC) in this document, as explained further in a footnote in Section 2.2.1.

SO₂ = sulfur dioxide

2.1.4 TAC Speciation Profiles

For the main and auxiliary engines, it was assumed that the TAC was diesel particulate matter (DPM) and that this was equivalent to the particulate matter (PM₁₀) emissions. For boilers, the volatile organic compound (VOC) emissions were speciated based on CARB speciation profile 504 for hydrocarbons (HC). The PM₁₀ emissions for boilers were speciated based on combination of USEPA PM speciation profiles 127102.5 and 5676. In this combined speciation profile, the highest value was used if a chemical was listed in both profiles. Table 2-6 shows the speciation profile used for boilers, restricting it to those chemicals that have an acute, chronic, or cancer toxicity value according to the California Office of Environmental Health Hazard Assessment (OEHHA).

Table 2-6 Boiler Speciation Profile

Chemical	Weight Fraction	Weight Fraction Basis
Arsenic	0.00002	PM ₁₀
Benzene	0.0216	HC
Cadmium	0.0000288	PM ₁₀
Chlorobenzene	0.0005	HC
Copper	0.0000504	PM ₁₀
Ethylbenzene	0.0007	HC
Formaldehyde	0.001	HC
Hexane	0.0159	HC
Lead	0.00032	PM ₁₀
m-Xylene	0.0045	HC
Naphthalene	0.007	HC
Nickel	0.00718	PM ₁₀
o-Xylene	0.0031	HC
Propylene	0.0456	HC
Selenium	0.00002	PM ₁₀
Sulfate	0.441766	PM ₁₀
Toluene	0.0215	HC
Vanadium	0.018309	PM ₁₀
Xylenes	0.0034	HC

PM₁₀ = Particulate matter with aerodynamic diameter less than 10 micrometers
 HC = Hydrocarbon

2.2 Mass Emissions of Criteria Pollutants and TACs

The detailed characteristics of the vessels, barges, and tugs are combined with emission factors to calculate the total mass of emissions emitted. The generalized equation for emissions is the following:

$$\text{Emissions} = \text{Activity} * \text{Emission Factor}$$

For marine engines and boilers, activity is a combination of the in-use or loaded engine power (kW or hp) multiplied by the amount of time over which the activity occurs. Emission factors for marine engines and boilers are given as a mass of pollutant per loaded power per time (e.g., g/kW-hr). In the previous sections, the detailed activity and emission factors for the Phillips 66 Marine Terminal III Project were presented. This section combines this activity data with the emission factors to arrive at total emissions.

2.2.1 Criteria Pollutant Emissions

Criteria pollutants are those pollutants that have an ambient air quality standard or are precursors to such pollutants. This includes coarse particulate matter with

aerodynamic diameters of 10 micrometers or less (PM₁₀) and fine particulate matter with aerodynamic diameters of 2.5 micrometers or less (PM_{2.5}). Other criteria pollutants include VOC¹, NO_x, sulfur dioxide (SO₂)², and carbon monoxide (CO).

2.2.1.1 Criteria Pollutant Emissions Including Tankers and Barges from Sea Buoy

Using the activity and emission factors described earlier, Table 2-7 shows total emissions for activity from the Sea Buoy (11 nm west of the Golden Gate) to the Phillips 66 Marine Terminal berth, hoteling at the Marine Terminal, and back out to the Sea Buoy. Table 2-7 shows emissions for the two emission scenarios over this distance assessed in this report.

The first scenario (Historical Baseline Assessment) shows the emissions for an increase in shipping volume of 99,318 bbl/day (on a 12-month rolling average basis), which is the total criteria pollutant emissions increase that would occur compared to the shipping levels prior to the *Marine Terminal Offload Limit Revision Project* in 2012. The pre-2012 baseline was 30,682 bbl/day average. These are the emissions values that would be used in a historical baseline analysis for comparison of mass emission increases for the project compared to the historical pre-Marine Terminal II project emission levels.

The second scenario (Air Permitting Assessment) shows the emissions for an increase in shipping volume of 78,818 bbl/day (on a 12-month rolling average basis), which represents the additional proposed criteria pollutant emissions above the current permitted limit of 51,182 bbl/day average. These are the values that would be used to determine what offsets would be applicable to the project under BAAQMD Regulation 2-2. Emissions up to the 51,182 bbl/day were offset under the previous Marine Terminal project (BAAQMD 2012).

¹ Used here, VOC means precursors to ozone formation, or “precursor organic compounds” (POC) as defined by the BAAQMD. In Tables 2-7 and 2-8, these are tabulated as VOC, but come from literature sources that either tabulate these emissions as ROG or HC, depending on the emissions source. Treating these all as POC is conservative.

² In Tables 2-7 and 2-8 as SO₂, but come from literature sources that either tabulate these emissions as SO₂ or sulfur oxides (SO_x), depending on the emissions source. Most SO_x emissions from combustion source become SO₂, thus a slightly conservative interpretation.

Table 2-7 Annual Criteria Pollutant Emissions Increases Including Tankers and Barges from Sea Buoy

Scenario	Source	Engine Type	Tons per Year					
			PM	VOC	NOx	SO ₂	CO	
Historical Baseline Assessment: 99,318 bbl/day average	Suezmax Tanker	Main Engine	0.73	2.09	2.52	1.13	4.68	
		Auxiliary Engine	0.41	0.86	22.93	0.69	1.81	
		Boiler	0.64	0.52	9.28	2.87	0.94	
		Tug Main Engine	0.73	0.84	12.09	0.03	3.38	
		Tug Auxiliary Engine	0.04	0.06	0.75	0.01	0.22	
	Panamax Tanker	Main Engine	0.32	0.91	1.10	0.49	4.68	
		Auxiliary Engine	0.22	0.45	12.06	0.36	0.95	
		Boiler	0.00	0.00	0.00	0.00	0.00	
		Tug Main Engine	0.52	0.59	8.51	0.02	2.39	
		Tug Auxiliary Engine	0.03	0.04	0.54	0.00	0.16	
	Barge	Main Engine	0.00	0.00	0.00	0.00	0.00	
		Auxiliary Engine	0.05	0.10	2.69	0.08	0.21	
		Boiler	0.00	0.00	0.00	0.00	0.00	
		Tug Main Engine	0.52	0.59	8.57	0.02	2.39	
		Tug Auxiliary Engine	0.09	0.12	1.61	0.01	0.48	
	Total			4.29	7.18	82.64	5.73	22.31
	Air Permitting Assessment: 78,818 bbl/day average	Suezmax Tanker	Main Engine	0.58	1.66	2.00	0.90	3.72
Auxiliary Engine			0.33	0.68	18.20	0.55	1.44	
Boiler			0.51	0.41	7.36	2.28	0.75	
Tug Main Engine			0.58	0.67	9.59	0.02	2.68	
Tug Auxiliary Engine			0.03	0.05	0.60	0.00	0.18	
Panamax Tanker		Main Engine	0.26	0.73	0.87	0.39	3.72	
		Auxiliary Engine	0.17	0.36	9.57	0.29	0.76	
		Boiler	0.00	0.00	0.00	0.00	0.00	
		Tug Main Engine	0.41	0.47	6.75	0.01	1.90	
		Tug Auxiliary Engine	0.02	0.03	0.43	0.00	0.13	
Barge		Main Engine	0.00	0.00	0.00	0.00	0.00	
		Auxiliary Engine	0.04	0.08	2.13	0.06	0.17	
		Boiler	0.00	0.00	0.00	0.00	0.00	
		Tug Main Engine	0.41	0.47	6.80	0.02	1.90	
		Tug Auxiliary Engine	0.07	0.10	1.28	0.01	0.38	
Total			3.41	5.70	65.58	4.54	17.71	

2.2.1.2 Criteria Pollutants at Berth Only

For purposes of comparing criteria pollutants to air permitting thresholds such as PSD applicability, only sources that occur at the Phillips 66 Marine Terminal

need to be considered. Table 2-8 shows the criteria air pollutant emissions that occur at berth. No transiting or maneuvering emissions are included. The Historical Baseline Assessment shows the at-berth emissions increases since the pre-2012 baseline, while the Air Permitting Assessment shows these emissions increases since the previous Marine Terminal project (BAAQMD 2012).

Table 2-8 Annual Incremental Increase in Criteria Pollutant Emissions at Berth

Scenario	Source	Engine Type	Tons Per Year				
			PM	VOC	NO _x	SO ₂	CO
Historical Baseline Assessment: 99,318 bbl/day average	Suezmax Tanker	Auxiliary Engine	0.30	0.63	16.83	0.51	1.33
		Boiler	0.63	0.51	9.20	2.85	0.93
	Panamax Tanker	Auxiliary Engine	0.20	0.41	10.86	0.33	0.86
		Barge	Auxiliary Engine	0.04	0.09	2.42	0.07
		Tug Auxiliary Engine	0.06	0.08	1.08	0.01	0.32
	Total		1.23	1.72	40.37	3.77	3.63
Air Permitting Assessment: 78,818 bbl/day average	Suezmax Tanker	Auxiliary Engine	0.24	0.50	13.36	0.40	1.06
		Boiler	0.50	0.41	7.30	2.26	0.74
	Panamax Tanker	Auxiliary Engine	0.15	0.32	8.61	0.26	0.68
		Barge	Auxiliary Engine	0.03	0.07	1.92	0.06
		Tug Auxiliary Engine	0.05	0.07	0.85	0.01	0.25
	Total		0.98	1.37	32.04	2.99	2.88

2.2.2 Toxic Air Contaminant Emissions

TACs are chemicals that have been classified as potentially causing adverse health effects if an individual is exposed to excess concentrations of these pollutants. OEHHA and BAAQMD have identified lists of chemical pollutants that are classified as TACs. Combustion of fuel in marine engines results in emissions of diesel particulate matter (DPM), which is classified as a TAC in California and has cancer and chronic non-cancer health effects. DPM is used to classify the complex mixture of chemicals contained in PM from diesel engine exhaust. Since the boilers are not engines, the complex mixture of chemicals in the exhaust is estimated based on speciation profiles. The chemicals include several metals: arsenic, cadmium, copper, lead, nickel, selenium and vanadium. The VOC fraction consists of several organic TACs: benzene, chlorobenzene, ethylbenzene, formaldehyde, hexane, naphthalene, propylene, toluene, and xylene. The TAC emissions used in the HRA analyses are described in more detail in Section 2.3.

2.3 Health Risk Assessment Emissions

Emissions used in an HRA are in the form of an emission rate, which is the amount of TAC released per time (e.g., grams per second). For an HRA, there are two distinct time periods that are important:

Annual average emission rate. Emissions due to vessel transit, maneuvering, and/or hoteling averaged over an annual period are used to estimate cancer and chronic non-cancer health effects.

Maximum hourly emission rate. Emissions due to operating at maximum capacity are used to assess acute non-cancer health effects. It is assumed that all applicable emissions sources are operating at maximum rates.

2.3.1 Air Permitting HRA

For assessing health risks under the Air Permitting Assessment, activities only occurring at berth are considered. This includes emissions from auxiliary engines and boilers that operate at berth. It does not include any emissions that occur during transiting and maneuvering. Table 2-9 shows the at-berth TAC emission rates used in the Air Permitting HRA. For cancer risk and chronic non-health effects, the average annual emission rates were used. For acute health effects, the HRA considered the maximum hourly emission rate for only one worst-case vessel type (Suezmax tanker) since there is only one berth at the Phillips 66 Marine Terminal.

2.3.2 Historical Baseline HRA

For assessing health risks under the Historical Baseline Assessment, marine transiting and maneuvering emissions were considered, as well as emissions from auxiliary engines and boilers that operate at berth. For assessing the incremental health impacts from marine transiting and maneuvering to receptors located near the Marine Terminal, marine activity out to Point San Pablo was included. Table 2-10 shows the annual average TAC emission rates used to assess cancer risk and chronic non-cancer health effects in the Historical Baseline HRA. Table 2-11 presents the TAC emissions modeled for the Historical Baseline incremental emissions increase compared to the shipping levels prior to the *Marine Terminal Offload Limit Revision Project* in 2012.

For assessing acute non-cancer health effects under the historical baseline, it was assumed there would be no overlap in emissions from at berth and transiting/maneuvering, since the Phillips 66 Marine Terminal has capacity for only one vessel at a time. In addition, only maximum hourly TAC emissions from at-berth marine boiler activity (shown in Table 2-10) was used to assess

acute health effects. DPM from marine engines are not used for acute health effects under the current OEHHA methodology.

Table 2-9 At-Berth TAC Emission Rates – Air Permitting Assessment

Source	Engine Type	Chemical	Annual Average Emission Rate (g/s)	Maximum Emission Rate (g/s)
Suezmax Tanker	Boiler	Arsenic	2.8989E-07	2.2667E-06
	Boiler	Benzene	2.5323E-04	1.9800E-03
	Boiler	Cadmium	4.1711E-07	3.2614E-06
	Boiler	Chlorobenzene	5.8617E-06	4.5833E-05
	Boiler	Copper	7.2994E-07	5.7074E-06
	Boiler	Ethylbenzene	8.2064E-06	6.4167E-05
	Boiler	Formaldehyde	1.1723E-05	9.1667E-05
	Boiler	Hexane	1.8640E-04	1.4575E-03
	Boiler	Lead	4.6382E-06	3.6267E-05
	Boiler	m-Xylene	5.2756E-05	4.1250E-04
	Boiler	Naphthalene	8.2064E-05	6.4167E-04
	Boiler	Nickel	1.0407E-04	8.1372E-04
	Boiler	o-Xylene	3.6343E-05	2.8417E-04
	Boiler	Propylene	5.3459E-04	4.1800E-03
	Boiler	Selenium	2.8989E-07	2.2667E-06
	Boiler	Sulfate	6.4032E-03	5.0067E-02
	Boiler	Toluene	2.5205E-04	1.9708E-03
	Boiler	Vanadium	2.6538E-04	2.0751E-03
Boiler	Xylenes	3.9860E-05	3.1167E-04	
Suezmax Tanker	Auxiliary Hoteling	DPM	6.9098E-03	--
Panamax Tanker	Auxiliary Hoteling	DPM	4.4572E-03	--
Barge	Auxiliary Hoteling	DPM	9.9214E-04	--
Barge	Tug Auxiliary Hoteling	DPM	1.3017E-03	--

g/s = grams per second

Note: In Table 2-9 and 2-10, no maximum emission rates are given for DPM sources, since there is no acute reference exposure level for DPM.

Table 2-10 TAC Emission Rates – Historical Baseline Assessment

Source	Engine Type	Chemical	Annual Average Emission Rate (g/s)	Maximum Emission Rate (g/s)
Suezmax Tanker	Boiler	Arsenic	3.65288E-07	2.2667E-06
	Boiler	Benzene	3.19090E-04	1.9800E-03
	Boiler	Cadmium	5.25595E-07	3.2614E-06
	Boiler	Chlorobenzene	7.38634E-06	4.5833E-05
	Boiler	Copper	9.19790E-07	5.7074E-06
	Boiler	Ethylbenzene	1.03409E-05	6.4167E-05
	Boiler	Formaldehyde	1.47727E-05	9.1667E-05
	Boiler	Hexane	2.34886E-04	1.4575E-03
	Boiler	Lead	5.84461E-06	3.6267E-05
	Boiler	m-Xylene	6.64771E-05	4.1250E-04
	Boiler	Naphthalene	1.03409E-04	6.4167E-04
	Boiler	Nickel	1.31136E-04	8.1372E-04
	Boiler	o-Xylene	4.57953E-05	2.8417E-04
	Boiler	Propylene	6.73634E-04	4.1800E-03
	Boiler	Selenium	3.65288E-07	2.2667E-06
	Boiler	Sulfate	8.06860E-03	5.0067E-02
	Boiler	Toluene	3.17613E-04	1.9708E-03
	Boiler	Vanadium	3.34409E-04	2.0751E-03
Boiler	Xylenes	5.02271E-05	3.1167E-04	
Suezmax Tanker	Auxiliary Hoteling	DPM	8.707E-03	--
	Auxiliary Maneuvering	DPM	2.95E-05	--
	Main Maneuvering	DPM	8.178E-05	--
	Main & Auxiliary Tug Maneuvering	DPM	2.237E-04	--
	Auxiliary Transiting	DPM	2.014E-06	--
	Main Transiting	DPM	8.078E-06	--
	Tug Main & Auxiliary Transiting	DPM	1.40268E-05	--
Panamax Tanker	Auxiliary Hoteling	DPM	5.6165E-03	--
	Auxiliary Maneuvering	DPM	1.89988E-05	--
	Main Maneuvering	DPM	3.57581E-05	--
	Main & Auxiliary Tug Maneuvering	DPM	1.09566E-04	--
	Auxiliary Transiting	DPM	1.29865E-06	--
	Main Transiting	DPM	3.53195E-06	--
	Tug Main & Auxiliary Transiting	DPM	1.03067E-05	--
Barge	Auxiliary Hoteling	DPM	1.25018E-03	--
Barge	Tug Auxiliary Hoteling	DPM	1.64032E-03	--
Barge	Auxiliary Maneuvering	DPM	3.33147E-06	--
Barge	Tug Maneuvering	DPM	1.67888E-04	--
Barge	Auxiliary Transiting	DPM	3.13387E-07	--
Barge	Tug Main & Auxiliary	DPM	1.57929E-05	--

	Transiting			
--	------------	--	--	--

Table 2-11 Annual Incremental Increase in TAC Emissions - Historical Baseline Assessment

Chemical	Pounds per Year		
	Vessel Main and Aux Engines	Tug Main and Aux Engines	Boilers
Arsenic			0.03
Benzene			22.18
Cadmium			0.04
Chlorobenzene			0.51
Copper			0.06
DPM	1210	37.63	
Ethylbenzene			0.72
Formaldehyde			1.03
Hexane			16.33
Lead			0.41
m-Xylene			4.62
Naphthalene			7.19
Nickel			9.12
o-Xylene			3.18
Propylene			46.83
Selenium			0.03
Sulfate			560.97
Toluene			22.08
Vanadium			23.25
Xylenes			3.49

3.0 AIR DISPERSION MODELING

Air dispersion modeling is used to calculate the concentration of the TACs at nearby sensitive receptors. The air dispersion modeling uses information about how a TAC is released from the source combined with meteorological data to assess the location and quantity of TACs dispersed into the nearby ambient air.

3.1 AERMOD Dispersion Model

The USEPA AERMOD dispersion model was used to estimate exposure to pollutants from marine vessels traveling to the refinery and hoteling at berth. The emissions sources include internal combustion engines for main and auxiliary power and boilers for pumping and/or space/ water heating during hoteling. The modeling approach makes use of the concentrations predicted by dispersion modeling using a 1-gram-per-second emission rate in AERMOD. The resulting dispersion factor at each receptor is referred to as “ χ/Q ” (ground-level concentration per unit emission rate [$\mu\text{g}/\text{m}^3$ per g/s]). The dispersion factor is then combined with emission rates to obtain final concentrations of TACs at nearby sensitive receptors. The predicted concentrations are used with toxicity and exposure factors (discussed below) to calculate overall health risk from pollutant exposure. The model inputs and assumptions are summarized below.

3.2 Source Characterization

Ships were modeled as separated volume sources at slow cruise while traveling to the refinery, with a tug assist for each ship. These sources are assumed to slow to maneuvering mode when approaching the berth, which was modeled as a series of volume sources. Marine vessels hoteling at berth would run on auxiliary power from the auxiliary engines and/or on-board boilers during pumping and were modeled as point sources. Figure 3-1 shows the modeling setup for the ships.

3.2.1 Source Parameters

The source parameters are shown in Table 3-1.

Table 3-1 Source Parameters

Ships Transiting and Maneuvering - Line Source (as Separated Volume Source)		
Length Considered for Modeling = Length of the Line Source	18,380	m/trip
Source Type	Elevated source on or adjacent to a building	
Length of the Side of the Volume Source = W	25.0	m
Spacing of Separated Volume Source Along Line (c/c) = 2W	50.0	m
Release Height	30.48	m
Initial Lateral Dimension (SYINIT) = 2W/2.15	23.26	m
Initial Vertical Dimension (SZINIT) = Building Height/2.15	2.33	m
Number of Volume Sources	361 for transiting 8 for maneuvering	volume sources/line
Tugs Assisting and Cruising - Line Source (as Separated Volume Source)		
Length Considered for Modeling = Length of the Line Source, L _{RS}	18,380	m/trip
Source Type	Line source represented by separated volume sources, elevated source on or adjacent to a building	
Length of the Side of the Line/Volume Source = W	25.0	m
Spacing of Separated Volume Source Along Line (c/c)	50.0	m
Release Height	12.192	m
Initial Lateral Dimension (SYINIT) = 2W/2.15	23.26	m
Initial Vertical Dimension (SZINIT) = Building Height/2.15	2.33	m
Number of Volume Sources	362 for transiting 8 for maneuvering	volume sources/line
Ship Auxiliary Engine Hoteling - Point Source		
Exhaust Type	Vertical Exit	
Stack Tip Downwash	On	
Release Height	37.19	m
Release/Exhaust Temperature	573.15	K
Exit Velocity	3.99	m/s
Exhaust Diameter	0.39	m
Ship Auxiliary Boiler Hoteling - Point Source		
Exhaust Type	Vertical Exit	
Stack Tip Downwash	On	
Release Height	39.93	m
Release/Exhaust Temperature	559.26	K
Exit Velocity	5.06	m/s
Exhaust Diameter	0.49	m

c/c = center-to-center of sources

m = meter

K = degrees Kelvin

m/s = meters per second

3.3 Receptor Grids and Coordinate System

Receptors were modeled in a 100-meter grid placed only over primarily residential areas, out to a distance of 4.3 kilometers to the south, 3.4 kilometers to the north, and 3.8 kilometers to the east. Receptors on water and open space land were excluded. This is the same receptor grid used in the *Marine Terminal Offload Limit Revision Project* (BAAQMD 2012). The receptor grid is shown in Figure 3-1.

The Universal Transverse Mercator (UTM) coordinate system (NAD83) was used to identify source and receptor locations. Standard USEPA defaults were used in the modeling.

3.4 Meteorological Data

Five years of meteorological data (2005, 2007, 2008, 2009, and 2010) from the refinery monitoring station were used for modeling. These datasets were processed with AERMET, with land use data around the refinery analyzed to derive surface parameters, including surface roughness, Bowen ratio, and albedo, by 360-degree sector. The BAAQMD previously approved the use of these processed meteorological data for the Propane Recovery Project.

3.5 Terrain

Terrain information was obtained from the United States Geological Survey using “geotiff” data of the National Elevation Dataset. The terrain information was extracted using the AERMOD pre-processor for terrain, AERMAP. It was conservatively assumed that the area was rural.

3.6 Building Downwash

Building downwash parameters were not included in the modeling. The ship deck height was treated as “ground level,” as it is the approximate height of the berth platform. In addition, there are no buildings present at the berth to affect the plume, so downwash was not considered.

4.0 HEALTH RISK ASSESSMENT

4.1 Methodology

The OEHHA, which is the state agency that establishes procedures for calculating health risk from TACs, released its revised risk assessment guidelines on 6 March 2015. These updates require explicit consideration of the effect of TAC concentrations on infants and children as well as adults. The updated OEHHA *Risk Assessment Guidelines* (OEHHA 2015) now have different values to account for varied breathing rates in different age groups, and results in an overall increase in breathing volume compared to the breathing rate assumptions used previously.

Cancer and non-cancer chronic and acute adverse health effects were calculated following the recently revised OEHHA *Risk Assessment Guidelines*. The approach makes use of the concentrations predicted by the AERMOD dispersion modeling. The resulting concentrations at each receptor are referred to as “ χ/Q ,” or the ground-level concentrations per unit emission rate.

Cancer risk is the probability of contracting cancer over the assumed exposure period, expressed as chances in one million. BAAQMD’s threshold for a potentially significant increased cancer risk is 10 in one million or greater.

Equation [1] is the approach used to calculate inhalation cancer risk per the updated OEHHA guidelines. The updated OEHHA guidelines require age sensitivity factors (ASFs) to reflect increased cancer risk susceptibility in younger age groups, which are applied to cancer risks calculated over the exposure duration of each age bin. The age-specific breathing rates and ASFs were used in this current analysis, and are shown in Table 4-1. The BAAQMD has indicated use of a 30-year duration for residential exposures and 25 years for offsite workers. The BAAQMD will also allow for use of a fraction of time spent at home (FAH) of 0.73 for the 16 to <30 year age bin in residential exposures. The FAH for younger age bins was set to 1.0 for this current analysis.

Equation [1]

$$\text{Cancer Risk} = \sum_{i,j} \left(\sum_k \chi/Q \times ER_{i,k} \right) \times EF \times BR_j \times A \times [1/1000] \times CSF_1 \times ASF_j \times FAH_j \times (ED_j/AT)$$

Where:

$$\chi/Q = \text{concentration modeled for unit emission rate } [(\mu\text{g}/\text{m}^3) / (\text{g}/\text{s})]$$

- ER = emission rate of TAC
- CSF = cancer slope factor for TAC [(mg/kg BW-day)⁻¹]
- ED = exposure duration in age bin [years]
- AT = averaging period (70 years for lifetime cancer risk)
- ASF = Age sensitivity factor in age bin
- BR = Breathing rate in age bin [liters (L) of air per kg of body weight per day]
- EF = exposure frequency (days per 365 days)
- [1/1000] = conversion factor: mg/1000 μg
- A = absorption factor (set to 1)
- FAH = fraction of time at home by age bin
- i = the ith TAC
- j = the jth age bin
- k = the kth source

Table 4-1 Factors Applied to HRA Based on Updated OEHHA Guidelines

Age Bin	Exposure Duration (ED) (Years) ¹	Breathing Rate (BR) (L/kg BW-day) ²	ASF
Third Trimester	0.25	361	10
0 - <2 Years	2	1,090	10
2 - <16 Years	14	572	3
16 - <30 Years (residential)	14	261	1
16 - <70 Years (offsite worker)	25 ³	230	1

L/kg BW-day = liters per kilogram of body weight per day

Notes:

1. The total exposure duration for residential sums to 30.25 years due to the in utero child exposure. OEHHA recommends leaving the 16<30 year age bin at 14 years rather than 13.75. This results in a slight over estimation of a 30-year exposure duration in cancer risk.
2. These represent the 95th percentile can be used for the third trimester to age of 2, while 80th percentile can be used for over the age of 2. The BAAQMD follows this approach.
3. The BAAQMD uses a 25-year exposure period for offsite workers.

Non-inhalation cancer risks were estimated by developing weighted risk factors for major non-inhalation pathways including soil ingestion, dermal absorption, consumption of homegrown produce, and consumption of mother’s milk. These factors were developed using CARB’s HARP2 model with an atmospheric deposition rate of 0.02 m/s, since vessel and tug emissions are primarily PM_{2.5}. The weighted risk factors were then multiplied by the modeled concentrations to assess the non-inhalation cancer risk.

Chronic and acute non-cancer health effects are assessed by hazard index (HI), the modeled pollutant concentration divided by the OEHHA Reference Exposure Level for that pollutant, then summed over all pollutants for individual target organs. An HI of 1.0 or greater represents a significant non-cancer health impact.

4.2 Results – Air Permitting

Results of the air permitting (stationary source) HRA for emissions from hoteling at berth for up to 78,818 bbl/day (average) of additional marine vessel activity are presented in Table 4-2 below and shown in Figure 4-1.

For cancer risk and chronic non-cancer health effects, TAC emissions were developed from the “Air Permitting Assessment” annual emissions increases for PM and VOC in Table 2-8. For PM emissions from engines, DPM was modeled. For boilers, the Table 2-6 PM₁₀/HC speciation profile was applied to the PM and VOC boiler emissions. The resulting at-berth annual average emission rates are shown in Table 2-9. For acute non-cancer health effects, the maximum emission rates in Table 2-9 were used.

Both residential and worker maximum impacts are below the significant risk threshold of 10 in one million. The acute and chronic non-cancer health effects are each less than significance threshold of 1.0.

Table 4-2 Health Risk Assessment Results – Air Permitting

	Residential (MEIR)	Worker (MEIW)
Cancer Risk	5.71 in one million	0.48 in one million
UTM Coordinates (meters)	566776.51, 4214524.03	566276.51, 4211524.03.0
Chronic Hazard Index	0.006	0.007
UTM Coordinates (meters)	567376.51, 4212224.03	566576.51, 4211924.03
Acute Hazard Index	0.54	0.77
UTM Coordinates (meters)	567576.51, 4211824.03	566576.51, 4211924.03

MEIR = maximum exposed individual at a residence

MEIW = maximum exposed individual at a place of work

4.3 Results – Historical Baseline Assessment

The HRA for the Historical Baseline Assessment includes evaluation of the combined marine vessel increases from the pre-2012 baseline, encompassing the previous project and the currently proposed project. This equates to 99,318 bbl/day of additional at-berth marine vessel activity. It also includes transiting and maneuvering activity out to San Pablo Point. HRA results for emissions from ships and tugs transiting to the berth and hoteling at berth for this case are presented in Table 4-3 below and shown in Figure 4-2.

For cancer risk and chronic non-cancer health effects, TAC emissions were developed from the “Historical Baseline Assessment” annual emissions increases for PM and VOC in Table 2-7. The only difference for HRA purposes is marine

activity in Table 2-7 is covered all the way to the Sea Buoy, 11 nm west of the Golden Gate Bridge, while for HRA, marine emissions were modeled from the Marine Terminal to San Pablo Point. For PM emissions from engines, DPM was modeled. For boilers, the Table 2-6 PM₁₀/HC speciation profile was applied to the PM and VOC boiler emissions. The resulting annual average emission rates are shown in Table 2-10 for all sources, including hoteling, transiting, and maneuvering. Table 2-11 shows the total annual emissions used for the Historical Baseline HRA. For acute non-cancer health effects, the boiler maximum emission rates in Table 2-10 were used.

Both residential and worker maximum impacts are below the significant risk threshold of 10 in one million. The acute and chronic non-cancer health effects are each less than significance threshold of 1.0.

Table 4-3 Health Risk Assessment Results – Historical Baseline Assessment

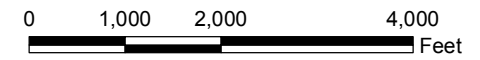
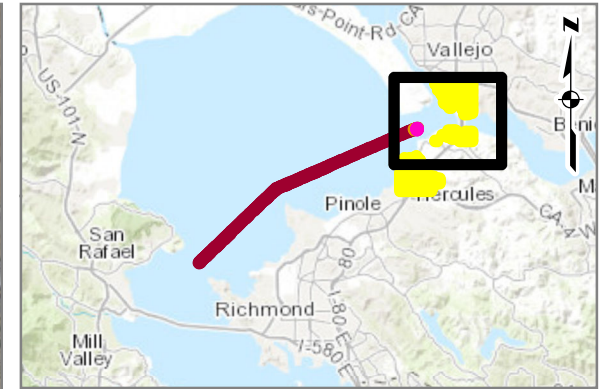
	Residential (MEIR)	Worker (MEIW)
Cancer Risk	9.85 in one million	0.72 in one million
UTM Coordinates (meters)	566776.51, 4214324.03	566276.51, 4211524.03
Chronic Hazard Index	0.008	0.009
UTM Coordinates (meters)	566776.51, 4214524.03	566576.51, 4211924.03
Acute Hazard Index	0.54	0.77
UTM Coordinates (meters)	567576.51, 4211824.03	566576.51, 4211924.03

MEIR = maximum exposed individual at a residence

MEIW = maximum exposed individual at a place of work

- Bay Area Air Quality Management District (BAAQMD). 2012. *Marine Terminal Offload Limit Revision Project Initial Study*.
- California Air Resources Board (CARB). 2007. *Emissions Estimation Methodology for Commercial Harbor Craft Operating in California*.
<http://www.arb.ca.gov/msei/chc-appendix-b-emission-estimates-ver02-27-2012.pdf>. Accessed March 2016.
- CARB. 2011. *Emissions Estimation Methodology for Ocean-Going Ships*.
<http://www.arb.ca.gov/regact/2011/ogv11/ogv11appd.pdf>. Accessed March 2016.
- California Office of Environmental Health Hazard Assessment (OEHHA). 2015. *The Air Toxics Hot Spots Program Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*. February 2015.
http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf. Accessed March 2016.
- Environ International. 2008. *Revised Port of Oakland 2005 Seaport Air Emissions Inventory*. http://www.portofoakland.com/pdf/airEmissions_Inventory.pdf. Accessed March 2016.
- Moffatt & Nichol, Environ International. 2010. *SF Bay Area Seaport s Air Emissions Inventory: Port of Richmond 2005 Emissions Inventory*.
<http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/Emission%20Inventory/Port%20of%20Richmond%202005%20Emissions%20Inventory%20June%202010.ashx>. Accessed March 2016.
- Starcrest Consulting Group. 2014. *Port of Long Beach Air Emissions Inventory – 2013*. <http://www.polb.com/environment/air/emissions.asp>. Accessed March 2016.
- Starcrest Consulting Group. 2012. *Port of Long Beach Air Emission Inventory – 2011*.
<http://www.polb.com/environment/air/emissions.asp>. Accessed March 2016.

Figures



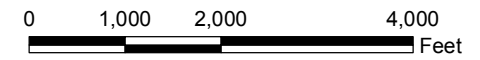
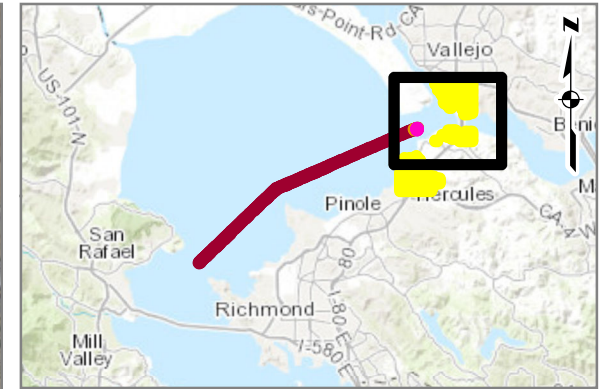
Legend

- + Residential Cancer Risk in a million
- + Residential Acute HI
- + Residential Chronic HI
- ▲ Worker Cancer Risk in a million
- ▲ Worker Acute HI
- ▲ Worker Chronic HI
- At Berth Sources
- Manuevering Sources
- Transiting Sources

Source: Basemap provided by ESRI web mapping services



Figure 4-2
HRA Results:
Historical Baseline



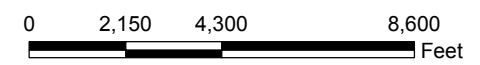
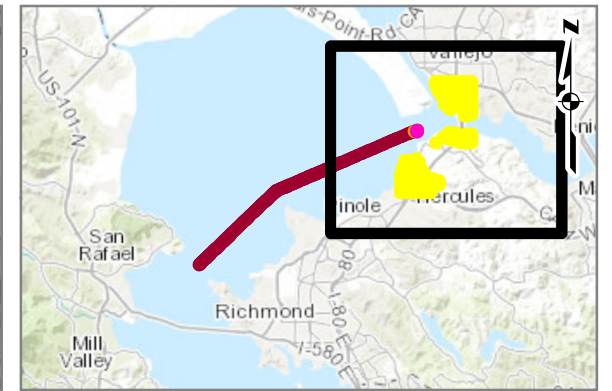
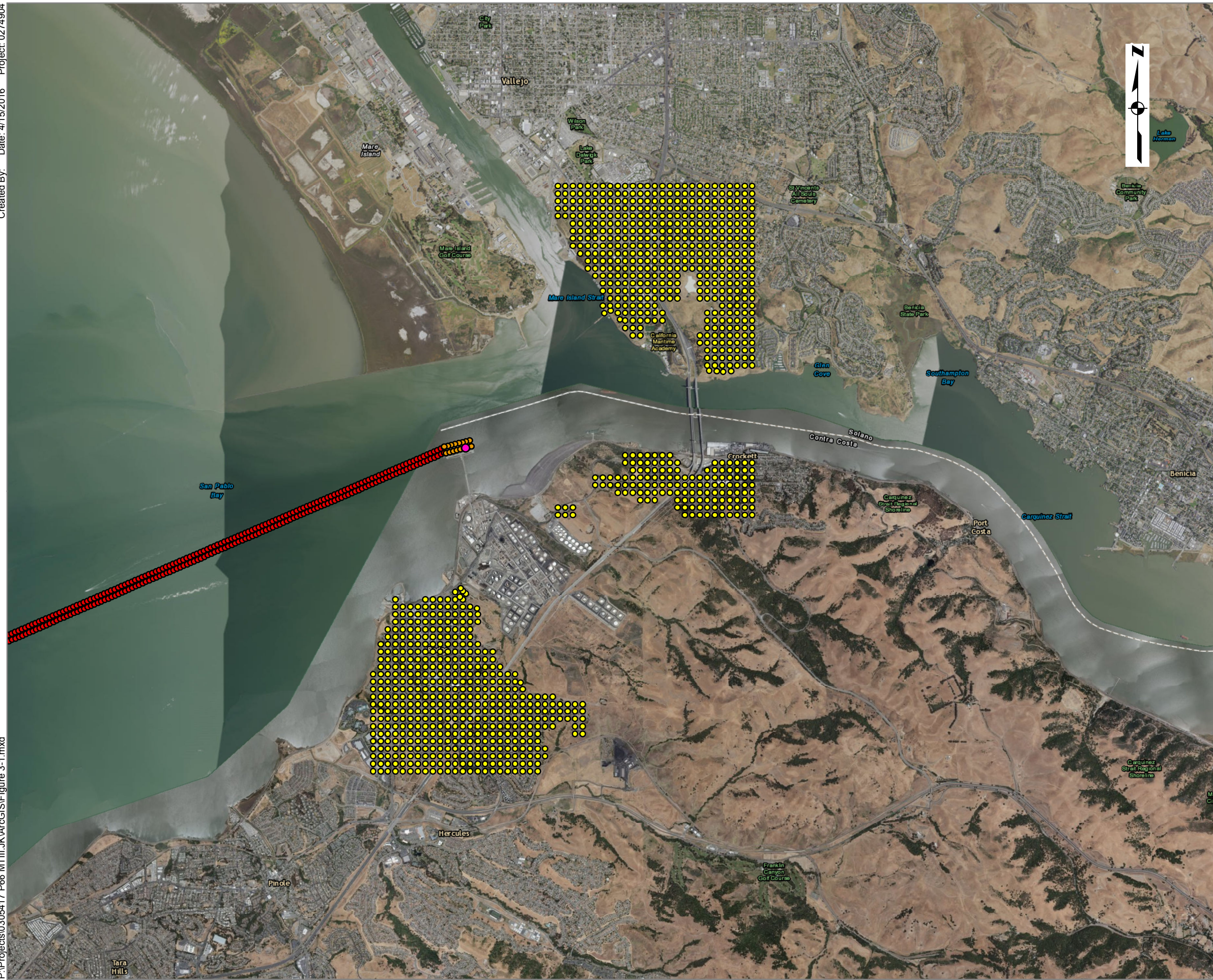
Legend

- Residential Cancer Risk in a million
- Residential Acute HI
- Residential Chronic HI
- Worker Cancer Risk in a million
- Worker Acute HI
- Worker Chronic HI
- At Berth Sources
- Manuevering Sources
- Transiting Sources

Source: Basemap provided by ESRI web mapping services



Figure 4-1
HRA Results: Permit



- Legend**
- At Berth Sources
 - Manuevering Sources
 - Transiting Sources
 - Receptors



Figure 3-1
Air Dispersion Modeling:
Sources and Receptors

Appendix A
Detailed Emissions Calculations

130,000 bbl/day Historical Baseline

Emission Segment	For Criteria only								
	Hoteling at Berth	Manuevering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5		
Model Source ID									
Segment Length (nmile)	NA	0.188984881	5.642548596	4.130669546	4.04	52	20	?	
Vessel Speed (knots)	NA	5	8	8	8	10	12	10	
Number Vessels per Year	52.28632831	52.28632831	52.28632831	52.28632831	52.28632831	52.28632831	52.28632831	52.28632831	
Transiting Time	27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!	
Vessel Size (DWT)									
Vessel Type	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	
Barrels	415,991	415,991	415,991	415,991	415,991	415,991	415,991	415,991	415,991
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	
# Main Engines	none operating								
Number		1	1	1	1	1	1	1	1
Size (kW)		18587	18587	18587	18587	18587	18587	18587	18587
Load Factor		0.037037037	0.151703704	0.151703704	0.151703704	0.296296296	0.512		
PM EmissionFactor (g/kw-h)		0.9959	0.2553	0.2553	0.2553	0.23	0.23		
PM Emissions		0.022744178	0.058528094	0.042845925	0.020952721	0.379629073	0.210256102		
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.6	0.6		
VOC Emissions		0.160047397	0.187069817	0.136945847	0.06696992	0.990336713	0.54849418		
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.802	0.802		
NOx Emissions		0.053482505	0.194891903	0.142672063	0.069770182	1.323750074	0.733153887		
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.36	0.36		
Sox Emissions		0.020471816	0.089958574	0.065854841	0.032204653	0.594202028	0.329096508		
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.4	1.4		
CO Emissions		0.206545185	0.423658115	0.310142065	0.151667173	2.310785665	1.279819753		
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	778	988	718	718	718	718	718	718	718
Load Factor	1	1	1	1	1	1	1	1	
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PM Emissions	0.302674709	0.008194188	0.014593939	0.010683601	0.005224546	0.05379731	0.017242728		
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52		
VOC Emissions	0.629563395	0.017043912	0.030355394	0.022221891	0.010867057	0.111898405	0.035864873		
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9		
NOx Emissions	16.82871381	0.455596869	0.811423021	0.59400824	0.290484783	2.991130434	0.958695652		
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42		
Sox Emissions	0.508493511	0.013766236	0.024517818	0.01794845	0.008777238	0.090379481	0.028967782		
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
CO Emissions	1.331768719	0.036054428	0.064213333	0.047007846	0.022988004	0.236708164	0.075868001		
# Boiler									
Size (kW)	3000	3000	3000						
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0.634916613	0.001624241	0.003980609						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0.513535496	0.001313724	0.00321961						
NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	9.19695388	0.023527605	0.057660288						

130,000 bbl/day Historical Baseline

Emission Segment	Hoteling at Berth	Maneuvering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5	Transiting link 6	Tug transit
Model Source ID									
Segment Length (nmile)	NA	0.188984881	5.642548596	4.130669546	4.04	52	20 ?		
Vessel Speed (knots)	NA	5	8	8	8	10	12		10
Number Vessels per Year	38.41919313	38.41919313	38.41919313	38.41919313	38.41919313	38.41919313	38.41919313	38.41919313	38.41919313
Transiting Time		27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!
Vessel Size (DWT)									
Vessel Type	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax
Barrels	283,070	283,070	283,070	283,070	283,070	283,070	283,070	283,070	283,070
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	NA
# Main Engines									
Number		1	1	1	1	1	1	1	1
Size (kW)		11060	11060	11060	11060	11060	11060	11060	11060
Load Factor		0.037037037	0.151703704	0.151703704	0.151703704	0.296296296	0.512	0.24	
PM EmissionFactor (g/kw-h)		0.9959	0.2553	0.2553	0.2553	0.23	0.23	0.9959	
PM Emissions		0.009944345	0.025590001	0.01873335	0.009161073	0.165983679	0.091929422		
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.6	0.6		
VOC Emissions		0.069976874	0.081791777	0.059876277	0.029280987	0.433000903	0.239815884		
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.802	0.802		
NOx Emissions		0.023383939	0.085211796	0.062379927	0.030505334	0.578777873	0.320553899		
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.36	0.36		
Sox Emissions		0.008950809	0.039332222	0.028793445	0.01408071	0.259800542	0.143889531		
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.4	1.4		
CO Emissions		0.090306913	0.185234319	0.135602157	0.066312823	1.010335439	0.559570397		
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	683	867	630	630	630	630	630	630	630
Load Factor	1	1	1	1	1				0.24
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25		0.25
PM Emissions	0.195243837	0.005283579	0.009409114	0.006888012	0	0	0	#VALUE!	
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52		
VOC Emissions	0.406107181	0.010989844	0.019570957	0.014327064	0	0	0		
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9		
NOx Emissions	10.85555734	0.293766979	0.523146741	0.382973452	0	0	0		
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42		
Sox Emissions	0.328009646	0.008876412	0.015807312	0.01157186	0	0	0		
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
CO Emissions	0.859072883	0.023247747	0.041400102	0.030307252	0	0	0		
# Boiler									
Size (kW)									
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0	0	0						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0	0	0						
NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	0	0	0						
Sox EmissionFactor (g/kw-h)	0.61	0.61	0.61						
Sox Emissions	0	0	0						
CO EmissionFactor (g/kw-h)	0.2	0.2	0.2						

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Emission Segment	Hoteling at Berth	Maneuvering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5	Transiting link 6	Tug transit
Model Source ID	NA								
Segment Length (nmile)	NA	0.188984881	5.642548596	4.130669546	4.04	52	20 ?		
Vessel Speed (knots)	NA	5	8	8	8	10	12		10
Number Vessels per Year	58.99855153	58.99855153	58.99855153	58.99855153	58.99855153	58.99855153	58.99855153	58.99855153	
Transiting Time		27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!
Vessel Size (DWT)									
Vessel Type	Barge	Barge	Barge	Barge	Barge	Barge	Barge	Barge	
Barrels	61,444	61,444	61,444	61,444	61,444	61,444	61,444	61,444	61,444
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	
# Main Engines									
Number		0	0	0	0	0	0	0	0
Size (kW)		11060	11060	11060	11060	11060	11060	11060	11060
Load Factor		0.33	0.28	0.28	0.28	0.23	0.23	0.23	0.24
PM EmissionFactor (g/kw-h)		0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
PM Emissions		0	0	0	0	0	0	0	
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.6	0.6	0.6	
VOC Emissions		0	0	0	0	0	0	0	
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.802	0.802	0.802	
NOx Emissions		0	0	0	0	0	0	0	
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.36	0.36	0.36	
Sox Emissions		0	0	0	0	0	0	0	
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.4	1.4	1.4	
CO Emissions		0	0	0	0	0	0	0	
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	99	99	99	99	99	99	99	99	99
Load Factor	1	1	1	1	1	1	1	1	0.24
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PM Emissions	0.043459521	0.000926483	0.002270578	0.001662194	0	0	0	0	#VALUE!
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	
VOC Emissions	0.090395804	0.001927084	0.004722803	0.003457363	0	0	0	0	
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	
NOx Emissions	2.416349365	0.051512447	0.126244155	0.09241797	0	0	0	0	
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	
Sox Emissions	0.073011995	0.001556491	0.003814572	0.002792485	0	0	0	0	
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
CO Emissions	0.191221892	0.004076525	0.009990545	0.007313652	0	0	0	0	
# Boiler									
Size (kW)									
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0	0	0						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0	0	0						
NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	0	0	0						
Sox EmissionFactor (g/kw-h)	0.61	0.61	0.61						
Sox Emissions	0	0	0						
CO EmissionFactor (g/kw-h)	0.2	0.2	0.2						

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Vessel Clas SRCGRP			Total Emissions	Conversion tons-grams	Conversion yr to sec	Number of volume sources	Emission Rate (g/s)		
Large	H_AUX	HOTELICE	0.302674709	907184	3.17098E-08	1	0.008706927	PM10	0.008707
Large	H_BOILER	HOTELBLR	0.634916613	907184	3.17098E-08	1	0.018264402	PM10	0.018264
Large	H_BOILER	HOTELBLR	0.513535496	907184	3.17098E-08	1	0.014772678	HC	0.014773
Large	M_Main	MAN_SHIP	0.022744178	907184	3.17098E-08	8	8.17841E-05	PM10	0
Large	M_AUX	MAN_SHIP	0.008194188	907184	3.17098E-08	8	2.94649E-05	PM10	0
Large	T_AUX	TRANS_SH	0.025277541	907184	3.17098E-08	361	2.01426E-06	PM10	0
Large	T_MAIN	TRANS_SH	0.101374018	907184	3.17098E-08	361	8.07808E-06	PM10	0
Large	M_TUG	MAN_TUG	0.062202369	907184	3.17098E-08	8	2.237E-04	PM10	0
Large	T_TUG	TRANS_TU	0.17602609	907184	3.17098E-08	361	1.40268E-05	PM10	0
Small	H_AUX	HOTELICE	0.195243837	907184	3.17098E-08	1	0.005616504	PM10	0.005617
Small	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0	PM10	0
Small	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0	HC	0
Small	M_Main	MAN_SHIP	0.009944345	907184	3.17098E-08	8	3.57581E-05	PM10	0
Small	M_AUX	MAN_SHIP	0.005283579	907184	3.17098E-08	8	1.89988E-05	PM10	0
Small	T_AUX	TRANS_SH	0.016297126	907184	3.17098E-08	361	1.29865E-06	PM10	0
Small	T_MAIN	TRANS_SH	0.044323351	907184	3.17098E-08	361	3.53195E-06	PM10	0
Small	M_TUG	MAN_TUG	0.030470232	907184	3.17098E-08	8	1.09566E-04	PM10	0
Small	T_TUG	TRANS_TU	0.129341275	907184	3.17098E-08	361	1.03067E-05	PM10	0
Barge	H_AUX	HOTELICE	0.043459521	907184	3.17098E-08	1	1.25018E-03	PM10	0.00125
Barge	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0	PM10	0
Barge	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0	HC	0
Barge	M_Main	MAN_SHIP	0	907184	3.17098E-08	8	0	PM10	0
Barge	M_AUX	MAN_SHIP	0.000926483	907184	3.17098E-08	8	3.33147E-06	PM10	0
Barge	T_AUX	TRANS_SH	0.003932772	907184	3.17098E-08	361	3.13387E-07	PM10	0
Barge	T_MAIN	TRANS_SH	0	907184	3.17098E-08	361	0	PM10	0
Barge	M_TUG	MAN_TUG	0.046689586	907184	3.17098E-08	8	1.67888E-04	PM10	0
Barge	T_TUG	TRANS_TU	0.198189845	907184	3.17098E-08	361	1.57929E-05	PM10	0
Barge	H_AUX	HOTELICE	0.057021701	907184	3.17098E-08	1	1.64032E-03	PM10	0.00164
Large	H_BOILER	HOTELBLR	0.000449743	907184	0.000277778	1	0.113333333	PM10	0.113333 acute
Large	H_BOILER	HOTELBLR	0.000363763	907184	0.000277778	1	0.091666667	HC	0.091667 acute

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Source	Engine Type	Tons Per Year					
		PM	HC	NOx	SO2	CO	
Large Tanker	Main Engine		0.73	2.09	2.52	1.13	4.68
	Auxiliary Engine		0.41	0.86	22.93	0.69	1.81
	Boiler		0.64	0.52	9.28	2.87	0.94
	Tug Main Engine		0.73	0.84	12.09	0.03	3.38
	Tug Auxiliary Engine		0.04	0.06	0.75	0.01	0.22
Small Tanker	Main Engine		0.32	0.91	1.10	0.49	4.68
	Auxiliary Engine		0.22	0.45	12.06	0.36	0.95
	Boiler		0.00	0.00	0.00	0.00	0.00
	Tug Main Engine		0.52	0.59	8.51	0.02	2.39
	Tug Auxiliary Engine		0.03	0.04	0.54	0.00	0.16
Barge	Main Engine		0.00	0.00	0.00	0.00	0.00
	Auxiliary Engine		0.05	0.10	2.69	0.08	0.21
	Boiler		0.00	0.00	0.00	0.00	0.00
	Tug Main Engine		0.52	0.59	8.57	0.02	2.39
	Tug Auxiliary Engine		0.09	0.12	1.61	0.01	0.48
Total			4.29	7.18	82.64	5.73	22.31

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Source	Engine Type	Tons Per Year					CO
		PM	BC	NOx	SO2		
Large Tanker	Auxiliary Engine	0.30	0.63	16.83	0.51	1.33	
	Boiler	0.63	0.51	9.20	2.85	0.93	
Small Tanker	Auxiliary Engine	0.20	0.41	10.86	0.33	0.86	
Barge	Auxiliary Engine	0.04	0.09	2.42	0.07	0.19	
	Tug Auxiliary Engine	0.06	0.08	1.08	0.01	0.32	
Total		1.23	1.72	40.37	3.77	3.63	

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Emission Segment	For Criteria only								
	Hoteling at Berth	Maneuvering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5		
Model Source ID									
Segment Length (nmile)	NA	0.188984881	5.642548596	4.130669546	4.04	52	20 ?		
Vessel Speed (knots)	NA	5	8	8	8	10	12	10	
Number Vessels per Year	41.49402752	41.49402752	41.49402752	41.49402752	41.49402752	41.49402752	41.49402752	41.49402752	41.49402752
Transiting Time	27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!	
Vessel Size (DWT)									
Vessel Type	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax	SUEZMax
Barrels	415,991	415,991	415,991	415,991	415,991	415,991	415,991	415,991	415,991
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	NA
# Main Engines	none operating								
Number		1	1	1	1	1	1	1	1
Size (kW)		18587	18587	18587	18587	18587	18587	18587	18587
Load Factor		0.037037037	0.151703704	0.151703704	0.151703704	0.296296296	0.512		
PM EmissionFactor (g/kw-h)		0.9959	0.2553	0.2553	0.2553	0.23	0.23		
PM Emissions		0.018049605	0.046447444	0.034002196	0.016627918	0.301270709	0.166857624		
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.6	0.6		
VOC Emissions		0.127012381	0.148457166	0.10867917	0.053146813	0.78592359	0.435280757		
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.802	0.802		
NOx Emissions		0.042443304	0.154664714	0.113223451	0.055369079	1.050517865	0.581825279		
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.36	0.36		
Sox Emissions		0.016246276	0.071390431	0.052261895	0.025557365	0.471554154	0.261168454		
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.4	1.4		
CO Emissions		0.163912668	0.336211818	0.246126355	0.1203619	1.833821709	1.015655101		
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	778	988	718	718	718	718	718	718	718
Load Factor	1	1	1	1	1	1	1	1	1
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PM Emissions	0.240200318	0.006502845	0.011581638	0.008478424	0.00414616	0.042693131	0.013683696		
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52		
VOC Emissions	0.499616662	0.013525917	0.024089807	0.017635122	0.008624012	0.088801712	0.028462087		
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9		
NOx Emissions	13.35513769	0.361558167	0.643939061	0.471400365	0.230526487	2.373738079	0.760813487		
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42		
Sox Emissions	0.403536535	0.010924779	0.019457151	0.014243752	0.006965549	0.07172446	0.022988609		
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
CO Emissions	1.0568814	0.028612517	0.050959206	0.037305065	0.018243103	0.187849776	0.060208262		
# Boiler									
Size (kW)	3000	3000	3000						
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0.503864935	0.001288985	0.00315898						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0.407537815	0.001042561	0.002555058						

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NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	7.298631778	0.018671326	0.045758761						
Sox EmissionFactor (g/kw-h)	0.61	0.61	0.61						
Sox Emissions	2.259982429	0.005781477	0.014168956						
CO EmissionFactor (g/kw-h)	0.2	0.2	0.2						
CO Emissions	0.740977845	0.001895566	0.004645559						
Number of Tugs		3	2	2	2	2	2	1	1
# Tug Main Engine		1	1	1	1	1	1	1	1
Size (hp)		4344	4344	4344	4344	4344	4344	4344	4344
Load Factor		0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.5
PM EmissionFactor (g/kw-h)		0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
PM Emissions		0.046798493	0.076460953	0.055973808	0.027372582	0.281856292	0.090338555		0
VOC EmissionFactor (g/kw-h)		0.69	0.49	0.49	0.49	0.49	0.49		
VOC Emissions		0.073388547	0.085149698	0.062334468	0.030483103	0.313885417	0.1006043		
NOx EmissionFactor (g/kw-h)		11.41	6.93	6.93	6.93	6.93	6.93		
NOx Emissions		1.213570024	1.204260013	0.881587474	0.43111817	4.439236605	1.422832245		
Sox EmissionFactor (g/kw-h)		0.09	0.01	0.01	0.01	0.01	0.01		
Sox Emissions		0.009572419	0.001737749	0.001272132	0.000622104	0.006405825	0.002053149		
CO EmissionFactor (g/kw-h)		2.82	1.97	1.97	1.97	1.97	1.97		
CO Emissions		0.299935799	0.342336541	0.250610003	0.122554516	1.261947491	0.40447035		
# Tug Auxiliary		1	1	1	1	1	1	1	
Size (hp)		128	128	128	128	128	128	128	
Load Factor		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
PM EmissionFactor (g/kw-h)		0.59	0.59	0.59	0.59	0.59	0.59	0.59	
PM Emissions		0.002564827	0.004190501	0.003067687	0.001500175	0.01544735	0.004951074		
VOC EmissionFactor (g/kw-h)		0.85	0.85	0.85	0.85	0.85	0.85		
VOC Emissions		0.00369509	0.006037163	0.00441955	0.00216127	0.022254657	0.007132903		
NOx EmissionFactor (g/kw-h)		11.13	11.13	11.13	11.13	11.13	11.13		
NOx Emissions		0.048383945	0.079051317	0.057870103	0.028299918	0.291405093	0.093399068		
Sox EmissionFactor (g/kw-h)		0.09	0.09	0.09	0.09	0.09	0.09		
Sox Emissions		0.000391245	0.000639229	0.000467952	0.00022884	0.002356375	0.000755249		
CO EmissionFactor (g/kw-h)		3.3	3.3	3.3	3.3	3.3	3.3		
CO Emissions		0.014345644	0.023438396	0.017158252	0.008390811	0.086400432	0.027692446		

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Emission Segment	Hoteling at Berth	Manuevering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5	Transiting link 6	Tug transit
Model Source ID	NA	0.188984881	5.642548596	4.130669546	4.04	52	20 ?		
Segment Length (nmile)	NA	5	8	8	8	10	12		10
Vessel Speed (knots)	NA	5	8	8	8	10	12		10
Number Vessels per Year	30.48917582	30.48917582	30.48917582	30.48917582	30.48917582	30.48917582	30.48917582	30.48917582	30.48917582
Transiting Time	27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!	
Vessel Size (DWT)									
Vessel Type	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax	Panamax
Barrels	283,070	283,070	283,070	283,070	283,070	283,070	283,070	283,070	283,070
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	NA
# Main Engines									
Number		1	1	1	1	1	1	1	1
Size (kW)		11060	11060	11060	11060	11060	11060	11060	11060
Load Factor		0.037037037	0.151703704	0.151703704	0.151703704	0.296296296	0.512	0.24	
PM EmissionFactor (g/kw-h)		0.9959	0.2553	0.2553	0.2553	0.23	0.23	0.9959	
PM Emissions		0.007891755	0.020308028	0.014866642	0.007270157	0.13172337	0.072954482		
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.6	0.6		
VOC Emissions		0.055533108	0.064909324	0.047517352	0.023237165	0.343626182	0.190316039		
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.802	0.802		
NOx Emissions		0.018557314	0.067623425	0.04950423	0.024208798	0.459313663	0.254389106		
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.36	0.36		
Sox Emissions		0.007103293	0.031213749	0.022850256	0.011174343	0.206175709	0.114189624		
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.4	1.4		
CO Emissions		0.071666871	0.147000529	0.107612827	0.052625345	0.801794424	0.444070758		
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	683	867	630	630	630	630	630	630	630
Load Factor	1	1	1	1	1	1	1	1	1
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PM Emissions	0.154944006	0.004193007	0.007467	0.005466273	0	0	0	#VALUE!	
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	
VOC Emissions	0.322283532	0.008721455	0.015531361	0.011369848	0	0	0		
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	
NOx Emissions	8.614886715	0.233131213	0.415165225	0.303924782	0	0	0		
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	
Sox Emissions	0.26030593	0.007044252	0.012544561	0.009183339	0	0	0		
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
CO Emissions	0.681753625	0.018449233	0.032854802	0.024051601	0	0	0		
# Boiler									
Size (kW)									
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0	0	0						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0	0	0						
NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	0	0	0						
Sox EmissionFactor (g/kw-h)	0.61	0.61	0.61						
Sox Emissions	0	0	0						
CO EmissionFactor (g/kw-h)	0.2	0.2	0.2						

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CO Emissions	0	0	0						
Number of Tugs		2	2	2	2	2	2	0	1
# Tug Main Engine		1	1	1	1	1	1	1	1
Size (hp)		4344	4344	4344	4344	4344	4344	4344	4344
Load Factor		0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.5
PM EmissionFactor (g/kw-h)		0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
PM Emissions	0.022924544	0.056182337	0.041128697	0.020112954	0.207103686	0.066379387			0
VOC EmissionFactor (g/kw-h)		0.69	0.49	0.49	0.49	0.49	0.49		
VOC Emissions	0.035949853	0.062566694	0.045802412	0.022398517	0.230638196	0.073922499			
NOx EmissionFactor (g/kw-h)		11.41	6.93	6.93	6.93	6.93	6.93		
NOx Emissions	0.59447511	0.884871811	0.647776972	0.316779028	3.261883058	1.045475339			
Sox EmissionFactor (g/kw-h)		0.09	0.01	0.01	0.01	0.01			
Sox Emissions	0.004689111	0.001276871	0.000934743	0.000457113	0.004706902	0.001508622			
CO EmissionFactor (g/kw-h)		2.82	1.97	1.97	1.97	1.97			
CO Emissions	0.146925487	0.251543646	0.184144392	0.090051181	0.927259686	0.297198617			
# Tug Auxiliary		1	1	1	1	1		1	
Size (hp)		128	128	128	128	128		128	
Load Factor		0.43	0.43	0.43	0.43	0.43		0.43	0.43
PM EmissionFactor (g/kw-h)		0.59	0.59	0.59	0.59	0.59		0.59	
PM Emissions	0.001256397	0.003079116	0.00225409	0.001102306	0.011350476	0.003637973	#VALUE!		
VOC EmissionFactor (g/kw-h)		0.85	0.85	0.85	0.85	0.85			
VOC Emissions	0.001810064	0.004436015	0.003247417	0.001588068	0.016352381	0.005241148			
NOx EmissionFactor (g/kw-h)		11.13	11.13	11.13	11.13	11.13			
NOx Emissions	0.023701188	0.058085697	0.042522065	0.020794346	0.214119998	0.068628205			
Sox EmissionFactor (g/kw-h)		0.09	0.09	0.09	0.09	0.09			
Sox Emissions	0.000191654	0.000469696	0.000343844	0.000168148	0.001731429	0.000554945			
CO EmissionFactor (g/kw-h)		3.3	3.3	3.3	3.3	3.3			
CO Emissions	0.007027306	0.017222174	0.01260762	0.00616544	0.063485714	0.020347985			

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Emission Segment	Hoteling at Berth	Maneuvering	Transiting link 1	Transiting link 2	Transiting link 3	Transiting link 4	Transiting link 5	Transiting link 6	Tug transit
Model Source ID									
Segment Length (nmile)	NA	0.188984881	5.642548596	4.130669546	4.04	52	20 ?		
Vessel Speed (knots)	NA	5	8	8	8	10	12	10	
Number Vessels per Year	46.82079617	46.82079617	46.82079617	46.82079617	46.82079617	46.82079617	46.82079617	46.82079617	
Transiting Time		27	0.575593952	1.410637149	1.032667387	0.505	5.2	1.666666667	#VALUE!
Vessel Size (DWT)									
Vessel Type	Barge	Barge	Barge	Barge	Barge	Barge	Barge	Barge	
Barrels	61,444	61,444	61,444	61,444	61,444	61,444	61,444	61,444	61,444
Unload/Load Rate	20,000	NA	NA	NA	NA	NA	NA	NA	
# Main Engines									
Number		0	0	0	0	0	0	0	0
Size (kW)		11060	11060	11060	11060	11060	11060	11060	11060
Load Factor		0.33	0.28	0.28	0.28	0.28	0.28	0.28	0.24
PM EmissionFactor (g/kw-h)		0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
PM Emissions		0	0	0	0	0	0	0	0
VOC EmissionFactor (g/kw-h)		7.008	0.816	0.816	0.816	0.816	0.6	0.6	0
VOC Emissions		0	0	0	0	0	0	0	0
NOx EmissionFactor (g/kw-h)		2.34184	0.85012	0.85012	0.85012	0.85012	0.802	0.802	0
NOx Emissions		0	0	0	0	0	0	0	0
Sox EmissionFactor (g/kw-h)		0.8964	0.3924	0.3924	0.3924	0.3924	0.36	0.36	0
Sox Emissions		0	0	0	0	0	0	0	0
CO EmissionFactor (g/kw-h)		9.044	1.848	1.848	1.848	1.848	1.4	1.4	0
CO Emissions		0	0	0	0	0	0	0	0
# Auxiliary	1	1	1	1	1	1	1	1	1
Size (kW)	99	99	99	99	99	99	99	99	99
Load Factor	1	1	1	1	1	1	1	1	0.24
PM EmissionFactor (g/kw-h)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PM Emissions	0.034489141	0.00073525	0.001801913	0.001319104	0	0	0	0	#VALUE!
VOC EmissionFactor (g/kw-h)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0
VOC Emissions	0.071737414	0.001529319	0.00374798	0.002743737	0	0	0	0	0
NOx EmissionFactor (g/kw-h)	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	0
NOx Emissions	1.917596249	0.040879882	0.100186389	0.073342189	0	0	0	0	0
Sox EmissionFactor (g/kw-h)	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0
Sox Emissions	0.057941757	0.001235219	0.003027215	0.002216095	0	0	0	0	0
CO EmissionFactor (g/kw-h)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0
CO Emissions	0.151752221	0.003235099	0.007928419	0.005804058	0	0	0	0	0
# Boiler									
Size (kW)									
Load Factor	1	0.12	0.12	0	0	0	0	0	0
PM EmissionFactor (g/kw-h)	0.136	0.136	0.136						
PM Emissions	0	0	0						
VOC EmissionFactor (g/kw-h)	0.11	0.11	0.11						
VOC Emissions	0	0	0						

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NOx EmissionFactor (g/kw-h)	1.97	1.97	1.97						
NOx Emissions	0	0	0						
Sox EmissionFactor (g/kw-h)	0.61	0.61	0.61						
Sox Emissions	0	0	0						
CO EmissionFactor (g/kw-h)	0.2	0.2	0.2						
CO Emissions	0	0	0						
Number of Tugs	1	2	2	2	1	1	1	0	1
# Tug Main Engine		1	1	1	1	1	1	1	1
Size (hp)		4334	4334	4334	4334	4334	4334	4334	4334
Load Factor		0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.5
PM EmissionFactor (g/kw-h)		0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
PM Emissions		0.035123105	0.086077967	0.063014014	0.015407709	0.158653637	0.050850525		0
VOC EmissionFactor (g/kw-h)		0.69	0.49	0.49	0.49	0.49	0.49		
VOC Emissions		0.055079415	0.095859554	0.070174698	0.017158585	0.17668246	0.056628994		
NOx EmissionFactor (g/kw-h)		11.41	6.93	6.93	6.93	6.93	6.93		
NOx Emissions		0.910805985	1.355727983	0.992470725	0.242671417	2.498794789	0.800895766		
Sox EmissionFactor (g/kw-h)		0.09	0.01	0.01	0.01	0.01	0.01		
Sox Emissions		0.007184272	0.001956317	0.001432137	0.000350175	0.003605764	0.001155694		
CO EmissionFactor (g/kw-h)		2.82	1.97	1.97	1.97	1.97	1.97		
CO Emissions		0.225107176	0.385394535	0.282130928	0.068984515	0.710335604	0.227671668		
# Tug Auxiliary	1	1	1	1	1	1	1	1	
Size (hp)	128	128	128	128	128	128	128	128	
Load Factor	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
PM EmissionFactor (g/kw-h)	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	
PM Emissions	0.045251983	0.00192939	0.004728454	0.0034615	0.00084638	0.008715197	0.002793332	#VALUE!	
VOC EmissionFactor (g/kw-h)	0.85	0.85	0.85	0.85	0.85	0.85	0.85		
VOC Emissions	0.065193535	0.00277963	0.006812179	0.004986906	0.001219361	0.012555792	0.004024292		
NOx EmissionFactor (g/kw-h)	11.13	11.13	11.13	11.13	11.13	11.13	11.13		
NOx Emissions	0.853651811	0.036396801	0.089199478	0.06529914	0.015966451	0.164407016	0.052694556		
Sox EmissionFactor (g/kw-h)	0.09	0.09	0.09	0.09	0.09	0.09	0.09		
Sox Emissions	0.006902845	0.000294314	0.00072129	0.000528025	0.000129109	0.001329437	0.000426102		
CO EmissionFactor (g/kw-h)	3.3	3.3	3.3	3.3	3.3	3.3	3.3		
CO Emissions	0.253104311	0.010791504	0.026447285	0.019360931	0.004733988	0.048746015	0.015623723		

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Vessel Clas	SRCGRP		Total Emissions	Conversion tons-grams	Conversion yr to sec	Number of volume sources	Emission Rate (g/s)
Large	H_AUX	HOTELICE	0.240200318	907184	3.17098E-08	1	6.9098E-03 PM10
Large	H_BOILER	HOTELBLR	0.503864935	907184	3.17098E-08	1	1.4494E-02 PM10
Large	H_BOILER	HOTELBLR	0.407537815	907184	3.17098E-08	1	1.1723E-02 HC
Large	M_Main	MAN_SHIP	0.018049605	907184	3.17098E-08	8	6.4903E-05 PM10
Large	M_AUX	MAN_SHIP	0.006502845	907184	3.17098E-08	8	2.3383E-05 PM10
Large	T_AUX	TRANS_SH	0.020060062	907184	3.17098E-08	361	1.5985E-06 PM10
Large	T_MAIN	TRANS_SH	0.08044964	907184	3.17098E-08	361	6.4107E-06 PM10
Large	M_TUG	MAN_TUG	0.049363321	907184	3.17098E-08	8	1.7750E-04 PM10
Large	T_TUG	TRANS_TU	0.13969295	907184	3.17098E-08	361	1.1132E-05 PM10
Small	H_AUX	HOTELICE	0.154944006	907184	3.17098E-08	1	4.4572E-03 PM10
Small	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0.0000E+00 PM10
Small	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0.0000E+00 HC
Small	M_Main	MAN_SHIP	0.007891755	907184	3.17098E-08	8	2.8377E-05 PM10
Small	M_AUX	MAN_SHIP	0.004193007	907184	3.17098E-08	8	1.5077E-05 PM10
Small	T_AUX	TRANS_SH	0.012933274	907184	3.17098E-08	361	1.0306E-06 PM10
Small	T_MAIN	TRANS_SH	0.03517467	907184	3.17098E-08	361	2.8029E-06 PM10
Small	M_TUG	MAN_TUG	0.024180941	907184	3.17098E-08	8	8.6950E-05 PM10
Small	T_TUG	TRANS_TU	0.10264424	907184	3.17098E-08	361	8.1793E-06 PM10
Barge	H_AUX	HOTELICE	0.034489141	907184	3.17098E-08	1	9.9214E-04 PM10
Barge	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0.0000E+00 PM10
Barge	H_BOILER	HOTELBLR	0	907184	3.17098E-08	1	0.0000E+00 HC
Barge	M_Main	MAN_SHIP	0	907184	3.17098E-08	8	0.0000E+00 PM10
Barge	M_AUX	MAN_SHIP	0.00073525	907184	3.17098E-08	8	2.6438E-06 PM10
Barge	T_AUX	TRANS_SH	0.003121018	907184	3.17098E-08	361	2.4870E-07 PM10
Barge	T_MAIN	TRANS_SH	0	907184	3.17098E-08	361	0.0000E+00 PM10
Barge	M_TUG	MAN_TUG	0.037052496	907184	3.17098E-08	8	1.3323E-04 PM10
Barge	T_TUG	TRANS_TU	0.157281935	907184	3.17098E-08	361	1.2533E-05 PM10
Barge	H_AUX	HOTELICE	0.045251983	907184	3.17098E-08	1	1.3017E-03 PM10
Large	H_BOILER	HOTELBLR	0.000449743	907184	0.000277778	1	1.1333E-01 PM10
Large	H_BOILER	HOTELBLR	0.000363763	907184	0.000277778	1	9.1667E-02 HC

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Source	Engine Type	Tons Per Year				
		PM	HC	NOx	SO2	CO
Large Tanker	Main Engine	0.58	1.66	2.00	0.90	3.72
	Auxiliary Engine	0.33	0.68	18.20	0.55	1.44
	Boiler	0.51	0.41	7.36	2.28	0.75
	Tug Main Engine	0.58	0.67	9.59	0.02	2.68
	Tug Auxiliary Engine	0.03	0.05	0.60	0.00	0.18
Small Tanker	Main Engine	0.26	0.73	0.87	0.39	3.72
	Auxiliary Engine	0.17	0.36	9.57	0.29	0.76
	Boiler	0.00	0.00	0.00	0.00	0.00
	Tug Main Engine	0.41	0.47	6.75	0.01	1.90
	Tug Auxiliary Engine	0.02	0.03	0.43	0.00	0.13
Barge	Main Engine	0.00	0.00	0.00	0.00	0.00
	Auxiliary Engine	0.04	0.08	2.13	0.06	0.17
	Boiler	0.00	0.00	0.00	0.00	0.00
	Tug Main Engine	0.41	0.47	6.80	0.02	1.90
	Tug Auxiliary Engine	0.07	0.10	1.28	0.01	0.38
Total		3.41	5.70	65.58	4.54	17.71

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Source	Engine Type	Tons Per Year					CO
		PM	BC	NOx	SO2		
Large Tanker	Auxiliary Engine		0.24	0.50	13.36	0.40	1.06
	Boiler		0.50	0.41	7.30	2.26	0.74
Small Tanker	Auxiliary Engine		0.15	0.32	8.61	0.26	0.68
Barge	Auxiliary Engine		0.03	0.07	1.92	0.06	0.15
	Tug Auxiliary Engine		0.05	0.07	0.85	0.01	0.25
Total			0.98	1.37	32.04	2.99	2.88

Appendix B
AERMOD Input Files

**BEE-Line Software: BEEST Sui (Version 11.00) data input file
** Model: AERMOD.EXE Input File Creation Date: 8/7/2015 Time:
3:51:30 PM
NO ECHO

CO STARTING
CO TITLEONE P66MTIII CHI/Q
CO TITLETWO UTM NAD83 Z10
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO AVERTIME 1 PERIOD
CO POLLUTID CHI-Q
CO RUNORNOT RUN
CO ERRORFIL "T:\Projects\P66 MTIII\ERM New Modeling July 2015\SRGRP.err"
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION SP1_0001 VOLUME 549549.89 4203008.51 0.
SO SRCPARAM SP1_0001 1. 30.48 23.26 2.33
SO LOCATION SP1_0002 VOLUME 549586.01 4203043.09 0.
SO SRCPARAM SP1_0002 1. 30.48 23.26 2.33
SO LOCATION SP1_0003 VOLUME 549622.12 4203077.66 0.
SO SRCPARAM SP1_0003 1. 30.48 23.26 2.33
SO LOCATION SP1_0004 VOLUME 549658.24 4203112.24 0.
SO SRCPARAM SP1_0004 1. 30.48 23.26 2.33
SO LOCATION SP1_0005 VOLUME 549694.36 4203146.82 0.
SO SRCPARAM SP1_0005 1. 30.48 23.26 2.33
SO LOCATION SP1_0006 VOLUME 549730.47 4203181.39 0.
SO SRCPARAM SP1_0006 1. 30.48 23.26 2.33
SO LOCATION SP1_0007 VOLUME 549766.59 4203215.97 0.
SO SRCPARAM SP1_0007 1. 30.48 23.26 2.33
SO LOCATION SP1_0008 VOLUME 549802.71 4203250.55 0.
SO SRCPARAM SP1_0008 1. 30.48 23.26 2.33
SO LOCATION SP1_0009 VOLUME 549838.82 4203285.12 0.
SO SRCPARAM SP1_0009 1. 30.48 23.26 2.33
SO LOCATION SP1_0010 VOLUME 549874.94 4203319.7 0.
SO SRCPARAM SP1_0010 1. 30.48 23.26 2.33
SO LOCATION SP1_0011 VOLUME 549911.06 4203354.28 0.
SO SRCPARAM SP1_0011 1. 30.48 23.26 2.33
SO LOCATION SP1_0012 VOLUME 549947.17 4203388.86 0.
SO SRCPARAM SP1_0012 1. 30.48 23.26 2.33
SO LOCATION SP1_0013 VOLUME 549983.29 4203423.43 0.
SO SRCPARAM SP1_0013 1. 30.48 23.26 2.33
SO LOCATION SP1_0014 VOLUME 550019.41 4203458.01 0.
SO SRCPARAM SP1_0014 1. 30.48 23.26 2.33
SO LOCATION SP1_0015 VOLUME 550055.52 4203492.59 0.
SO SRCPARAM SP1_0015 1. 30.48 23.26 2.33
SO LOCATION SP1_0016 VOLUME 550091.64 4203527.16 0.
SO SRCPARAM SP1_0016 1. 30.48 23.26 2.33
SO LOCATION SP1_0017 VOLUME 550127.76 4203561.74 0.
SO SRCPARAM SP1_0017 1. 30.48 23.26 2.33
SO LOCATION SP1_0018 VOLUME 550163.88 4203596.32 0.
SO SRCPARAM SP1_0018 1. 30.48 23.26 2.33

SO LOCATION SP1_0019 VOLUME 550199.99 4203630.89 0.
SO SRCPARAM SP1_0019 1. 30.48 23.26 2.33
SO LOCATION SP1_0020 VOLUME 550236.11 4203665.47 0.
SO SRCPARAM SP1_0020 1. 30.48 23.26 2.33
SO LOCATION SP1_0021 VOLUME 550272.23 4203700.05 0.
SO SRCPARAM SP1_0021 1. 30.48 23.26 2.33
SO LOCATION SP1_0022 VOLUME 550308.34 4203734.63 0.
SO SRCPARAM SP1_0022 1. 30.48 23.26 2.33
SO LOCATION SP1_0023 VOLUME 550344.46 4203769.2 0.
SO SRCPARAM SP1_0023 1. 30.48 23.26 2.33
SO LOCATION SP1_0024 VOLUME 550380.58 4203803.78 0.
SO SRCPARAM SP1_0024 1. 30.48 23.26 2.33
SO LOCATION SP1_0025 VOLUME 550416.69 4203838.36 0.
SO SRCPARAM SP1_0025 1. 30.48 23.26 2.33
SO LOCATION SP1_0026 VOLUME 550452.81 4203872.93 0.
SO SRCPARAM SP1_0026 1. 30.48 23.26 2.33
SO LOCATION SP1_0027 VOLUME 550488.93 4203907.51 0.
SO SRCPARAM SP1_0027 1. 30.48 23.26 2.33
SO LOCATION SP1_0028 VOLUME 550525.04 4203942.09 0.
SO SRCPARAM SP1_0028 1. 30.48 23.26 2.33
SO LOCATION SP1_0029 VOLUME 550561.16 4203976.67 0.
SO SRCPARAM SP1_0029 1. 30.48 23.26 2.33
SO LOCATION SP1_0030 VOLUME 550597.28 4204011.24 0.
SO SRCPARAM SP1_0030 1. 30.48 23.26 2.33
SO LOCATION SP1_0031 VOLUME 550633.39 4204045.82 0.
SO SRCPARAM SP1_0031 1. 30.48 23.26 2.33
SO LOCATION SP1_0032 VOLUME 550669.51 4204080.4 0.
SO SRCPARAM SP1_0032 1. 30.48 23.26 2.33
SO LOCATION SP1_0033 VOLUME 550705.63 4204114.97 0.
SO SRCPARAM SP1_0033 1. 30.48 23.26 2.33
SO LOCATION SP1_0034 VOLUME 550741.75 4204149.55 0.
SO SRCPARAM SP1_0034 1. 30.48 23.26 2.33
SO LOCATION SP1_0035 VOLUME 550777.86 4204184.13 0.
SO SRCPARAM SP1_0035 1. 30.48 23.26 2.33
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SO LOCATION SP1_0037 VOLUME 550850.1 4204253.28 0.
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SO LOCATION SP1_0049 VOLUME 551283.5 4204668.21 0.
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SO LOCATION SP1_0115 VOLUME 553667.21 4206950.29 0.
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SO LOCATION SP1_0123 VOLUME 553956.15 4207226.91 0.
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SO LOCATION TG1_0054 VOLUME 551393.73 4204897.15 0.
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SO LOCATION TG1_0055 VOLUME 551429.8 4204931.77 0.
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SO LOCATION TG1_0056 VOLUME 551465.88 4204966.4 0.
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SO LOCATION TG1_0058 VOLUME 551538.02 4205035.64 0.
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SO LOCATION TG1_0059 VOLUME 551574.09 4205070.27 0.
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SO LOCATION TG1_0060 VOLUME 551610.17 4205104.89 0.
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SO LOCATION TG1_0061 VOLUME 551646.24 4205139.51 0.
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SO LOCATION TG1_0062 VOLUME 551682.31 4205174.14 0.
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SO LOCATION TG1_0063 VOLUME 551718.38 4205208.76 0.
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SO LOCATION TG1_0064 VOLUME 551754.45 4205243.39 0.
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SO LOCATION TG1_0065 VOLUME 551790.53 4205278.01 0.
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SO LOCATION TG1_0066 VOLUME 551826.6 4205312.63 0.
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SO LOCATION TG1_0067 VOLUME 551862.67 4205347.26 0.
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SO LOCATION TG1_0070 VOLUME 551970.89 4205451.13 0.
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SO LOCATION TG1_0072 VOLUME 552043.03 4205520.37 0.
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SO LOCATION TG1_0073 VOLUME 552079.1 4205555. 0.
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SO LOCATION TG1_0101 VOLUME 553089.13 4206524.46 0.
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SO LOCATION TG1_0113 VOLUME 553521.99 4206939.94 0.
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SO LOCATION TG1_0114 VOLUME 553558.07 4206974.56 0.
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SO LOCATION TG1_0115 VOLUME 553594.14 4207009.19 0.
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SO LOCATION TG1_0116 VOLUME 553630.21 4207043.81 0.
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SO LOCATION TG1_0117 VOLUME 553666.28 4207078.44 0.
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SO LOCATION TG1_0118 VOLUME 553702.36 4207113.06 0.
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SO LOCATION TG1_0119 VOLUME 553738.43 4207147.68 0.
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SO LOCATION TG1_0120 VOLUME 553774.5 4207182.31 0.
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SO LOCATION TG1_0121 VOLUME 553810.57 4207216.93 0.
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SO LOCATION TG1_0122 VOLUME 553846.65 4207251.55 0.
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SO LOCATION TG1_0123 VOLUME 553882.72 4207286.18 0.
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SO LOCATION TG1_0124 VOLUME 553918.79 4207320.8 0.
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SO LOCATION TG1_0125 VOLUME 553954.86 4207355.42 0.
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SO LOCATION TG1_0126 VOLUME 553990.93 4207390.05 0.
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SO LOCATION TG1_0129 VOLUME 554099.15 4207493.92 0.
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SO LOCATION TG1_0130 VOLUME 554135.22 4207528.54 0.
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SO LOCATION TG1_0131 VOLUME 554171.3 4207563.17 0.
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SO LOCATION TG1_0132 VOLUME 554207.37 4207597.79 0.
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SO LOCATION TG1_0133 VOLUME 554243.44 4207632.41 0.
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SO LOCATION TG1_0136 VOLUME 554351.66 4207736.28 0.
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SO LOCATION TG2_0001 VOLUME 554960.53 4208297.55 0.
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SO LOCATION TG2_0002 VOLUME 555006.46 4208317.32 0.
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SO LOCATION TG2_0003 VOLUME 555052.39 4208337.09 0.
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SO LOCATION TG2_0004 VOLUME 555098.31 4208356.85 0.
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SO LOCATION TG2_0005 VOLUME 555144.24 4208376.62 0.
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SO LOCATION TG2_0067 VOLUME 557991.74 4209602.08 0.
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SO LOCATION TG2_0071 VOLUME 558175.45 4209681.14 0.
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SO LOCATION TG2_0072 VOLUME 558221.37 4209700.91 0.
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SO LOCATION TG2_0073 VOLUME 558267.3 4209720.67 0.
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SO LOCATION TG2_0074 VOLUME 558313.23 4209740.44 0.
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SO LOCATION TG2_0075 VOLUME 558359.16 4209760.2 0.
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SO LOCATION TG2_0076 VOLUME 558405.08 4209779.97 0.
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SO LOCATION TG2_0077 VOLUME 558451.01 4209799.74 0.
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SO LOCATION TG2_0078 VOLUME 558496.94 4209819.5 0.
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SO LOCATION TG2_0079 VOLUME 558542.87 4209839.27 0.
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SO LOCATION TG2_0080 VOLUME 558588.79 4209859.03 0.
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SO LOCATION TG2_0081 VOLUME 558634.72 4209878.8 0.
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SO LOCATION TG2_0082 VOLUME 558680.65 4209898.56 0.
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SO LOCATION TG2_0083 VOLUME 558726.57 4209918.33 0.
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SO LOCATION TG2_0084 VOLUME 558772.5 4209938.09 0.
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SO LOCATION TG2_0087 VOLUME 558910.28 4209997.39 0.
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SO LOCATION TG2_0100 VOLUME 559507.34 4210254.34 0.
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SO LOCATION TG2_0115 VOLUME 560196.25 4210550.83 0.
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SO LOCATION TG2_0119 VOLUME 560379.96 4210629.89 0.
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SO LOCATION TG2_0125 VOLUME 560655.52 4210748.48 0.
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SO LOCATION SP2_0028 VOLUME 556256.84 4208761.15 0.
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SO SRCPARAM SP2_0197 1. 30.48 23.26 2.33
SO LOCATION SP2_0198 VOLUME 564058.19 4212135.9 0.
SO SRCPARAM SP2_0198 1. 30.48 23.26 2.33
SO LOCATION SP2_0199 VOLUME 564104.08 4212155.75 0.
SO SRCPARAM SP2_0199 1. 30.48 23.26 2.33
SO LOCATION SP2_0200 VOLUME 564149.97 4212175.6 0.
SO SRCPARAM SP2_0200 1. 30.48 23.26 2.33
SO LOCATION SP2_0201 VOLUME 564195.86 4212195.45 0.
SO SRCPARAM SP2_0201 1. 30.48 23.26 2.33
SO LOCATION SP2_0202 VOLUME 564241.75 4212215.3 0.
SO SRCPARAM SP2_0202 1. 30.48 23.26 2.33
SO LOCATION SP2_0203 VOLUME 564287.64 4212235.15 0.
SO SRCPARAM SP2_0203 1. 30.48 23.26 2.33
SO LOCATION SP2_0204 VOLUME 564333.53 4212255. 0.
SO SRCPARAM SP2_0204 1. 30.48 23.26 2.33
SO LOCATION SP2_0205 VOLUME 564379.42 4212274.86 0.
SO SRCPARAM SP2_0205 1. 30.48 23.26 2.33
SO LOCATION SP2_0206 VOLUME 564425.31 4212294.71 0.
SO SRCPARAM SP2_0206 1. 30.48 23.26 2.33

SO LOCATION SP2_0207 VOLUME 564471.2 4212314.56 0.
 SO SRCPARAM SP2_0207 1. 30.48 23.26 2.33
 SO LOCATION SP2_0208 VOLUME 564517.09 4212334.41 0.
 SO SRCPARAM SP2_0208 1. 30.48 23.26 2.33
 SO LOCATION SP2_0209 VOLUME 564558.81 4212352.46 0.
 SO SRCPARAM SP2_0209 1. 30.48 23.26 2.33
 SO LOCATION SPM_0001 VOLUME 564583.01 4212351.07 0.
 SO SRCPARAM SPM_0001 1. 30.48 23.26 2.33
 SO LOCATION SPM_0002 VOLUME 564631.4 4212363.65 0.
 SO SRCPARAM SPM_0002 1. 30.48 23.26 2.33
 SO LOCATION SPM_0003 VOLUME 564679.79 4212376.23 0.
 SO SRCPARAM SPM_0003 1. 30.48 23.26 2.33
 SO LOCATION SPM_0004 VOLUME 564728.18 4212388.82 0.
 SO SRCPARAM SPM_0004 1. 30.48 23.26 2.33
 SO LOCATION SPM_0005 VOLUME 564776.57 4212401.4 0.
 SO SRCPARAM SPM_0005 1. 30.48 23.26 2.33
 SO LOCATION SPM_0006 VOLUME 564824.96 4212413.98 0.
 SO SRCPARAM SPM_0006 1. 30.48 23.26 2.33
 SO LOCATION SPM_0007 VOLUME 564873.35 4212426.56 0.
 SO SRCPARAM SPM_0007 1. 30.48 23.26 2.33
 SO LOCATION SPM_0008 VOLUME 564921.74 4212439.14 0.
 SO SRCPARAM SPM_0008 1. 30.48 23.26 2.33
 SO LOCATION TGM_0001 VOLUME 564897.01 4212518.39 0.
 SO SRCPARAM TGM_0001 1. 12.192 23.26 2.33
 SO LOCATION TGM_0002 VOLUME 564848.47 4212506.4 0.
 SO SRCPARAM TGM_0002 1. 12.192 23.26 2.33
 SO LOCATION TGM_0003 VOLUME 564799.93 4212494.4 0.
 SO SRCPARAM TGM_0003 1. 12.192 23.26 2.33
 SO LOCATION TGM_0004 VOLUME 564751.39 4212482.4 0.
 SO SRCPARAM TGM_0004 1. 12.192 23.26 2.33
 SO LOCATION TGM_0005 VOLUME 564702.85 4212470.41 0.
 SO SRCPARAM TGM_0005 1. 12.192 23.26 2.33
 SO LOCATION TGM_0006 VOLUME 564654.31 4212458.41 0.
 SO SRCPARAM TGM_0006 1. 12.192 23.26 2.33
 SO LOCATION TGM_0007 VOLUME 564605.77 4212446.42 0.
 SO SRCPARAM TGM_0007 1. 12.192 23.26 2.33
 SO LOCATION TGM_0008 VOLUME 564557.23 4212434.42 0.
 SO SRCPARAM TGM_0008 1. 12.192 23.26 2.33
 ** Hoteling Diesel ICE
 SO LOCATION HTELICE POINT 564844.82 4212420. 0.
 SO SRCPARAM HTELICE 1. 37.186 573.15 3.994 0.39
 ** Hoteling Boiler
 SO LOCATION HTELBLR POINT 564844.82 4212420. 0.
 SO SRCPARAM HTELBLR 1. 39.929 559.26 5.063 0.49
 ** Hoteling Diesel ICE
 SO LOCATION PUMPBLR POINT 564844.82 4212420. 0.
 SO SRCPARAM PUMPBLR 1. 39.929 559.26 39.173 0.49
 SO SRCGROUP HTELICE HTELICE
 SO SRCGROUP HTELBLR HTELBLR
 SO SRCGROUP PUMPBLR PUMPBLR
 SO SRCGROUP MAN_SHIP SPM_0001 SPM_0002 SPM_0003 SPM_0004 SPM_0005
 SPM_0006
 SO SRCGROUP MAN_SHIP SPM_0007 SPM_0008

SO SRCGROUP MAN_TUG TGM_0001 TGM_0002 TGM_0003 TGM_0004 TGM_0005
TGM_0006
SO SRCGROUP MAN_TUG TGM_0007 TGM_0008
SO SRCGROUP TRANS_SH SP1_0001 SP1_0002 SP1_0003 SP1_0004 SP1_0005
SP1_0006
SO SRCGROUP TRANS_SH SP1_0007 SP1_0008 SP1_0009 SP1_0010 SP1_0011
SP1_0012
SO SRCGROUP TRANS_SH SP1_0013 SP1_0014 SP1_0015 SP1_0016 SP1_0017
SP1_0018
SO SRCGROUP TRANS_SH SP1_0019 SP1_0020 SP1_0021 SP1_0022 SP1_0023
SP1_0024
SO SRCGROUP TRANS_SH SP1_0025 SP1_0026 SP1_0027 SP1_0028 SP1_0029
SP1_0030
SO SRCGROUP TRANS_SH SP1_0031 SP1_0032 SP1_0033 SP1_0034 SP1_0035
SP1_0036
SO SRCGROUP TRANS_SH SP1_0037 SP1_0038 SP1_0039 SP1_0040 SP1_0041
SP1_0042
SO SRCGROUP TRANS_SH SP1_0043 SP1_0044 SP1_0045 SP1_0046 SP1_0047
SP1_0048
SO SRCGROUP TRANS_SH SP1_0049 SP1_0050 SP1_0051 SP1_0052 SP1_0053
SP1_0054
SO SRCGROUP TRANS_SH SP1_0055 SP1_0056 SP1_0057 SP1_0058 SP1_0059
SP1_0060
SO SRCGROUP TRANS_SH SP1_0061 SP1_0062 SP1_0063 SP1_0064 SP1_0065
SP1_0066
SO SRCGROUP TRANS_SH SP1_0067 SP1_0068 SP1_0069 SP1_0070 SP1_0071
SP1_0072
SO SRCGROUP TRANS_SH SP1_0073 SP1_0074 SP1_0075 SP1_0076 SP1_0077
SP1_0078
SO SRCGROUP TRANS_SH SP1_0079 SP1_0080 SP1_0081 SP1_0082 SP1_0083
SP1_0084
SO SRCGROUP TRANS_SH SP1_0085 SP1_0086 SP1_0087 SP1_0088 SP1_0089
SP1_0090
SO SRCGROUP TRANS_SH SP1_0091 SP1_0092 SP1_0093 SP1_0094 SP1_0095
SP1_0096
SO SRCGROUP TRANS_SH SP1_0097 SP1_0098 SP1_0099 SP1_0100 SP1_0101
SP1_0102
SO SRCGROUP TRANS_SH SP1_0103 SP1_0104 SP1_0105 SP1_0106 SP1_0107
SP1_0108
SO SRCGROUP TRANS_SH SP1_0109 SP1_0110 SP1_0111 SP1_0112 SP1_0113
SP1_0114
SO SRCGROUP TRANS_SH SP1_0115 SP1_0116 SP1_0117 SP1_0118 SP1_0119
SP1_0120
SO SRCGROUP TRANS_SH SP1_0121 SP1_0122 SP1_0123 SP1_0124 SP1_0125
SP1_0126
SO SRCGROUP TRANS_SH SP1_0127 SP1_0128 SP1_0129 SP1_0130 SP1_0131
SP1_0132
SO SRCGROUP TRANS_SH SP1_0133 SP1_0134 SP1_0135 SP1_0136 SP1_0137
SP1_0138
SO SRCGROUP TRANS_SH SP1_0139 SP1_0140 SP1_0141 SP1_0142 SP1_0143
SP1_0144
SO SRCGROUP TRANS_SH SP1_0145 SP1_0146 SP1_0147 SP1_0148 SP1_0149
SP1_0150

SO SRCGROUP	TRANS_SH	SP1_0151	SP1_0152	SP2_0001	SP2_0002	SP2_0003	SP2_0004
SO SRCGROUP	TRANS_SH	SP2_0005	SP2_0006	SP2_0007	SP2_0008	SP2_0009	SP2_0010
SO SRCGROUP	TRANS_SH	SP2_0011	SP2_0012	SP2_0013	SP2_0014	SP2_0015	SP2_0016
SO SRCGROUP	TRANS_SH	SP2_0017	SP2_0018	SP2_0019	SP2_0020	SP2_0021	SP2_0022
SO SRCGROUP	TRANS_SH	SP2_0023	SP2_0024	SP2_0025	SP2_0026	SP2_0027	SP2_0028
SO SRCGROUP	TRANS_SH	SP2_0029	SP2_0030	SP2_0031	SP2_0032	SP2_0033	SP2_0034
SO SRCGROUP	TRANS_SH	SP2_0035	SP2_0036	SP2_0037	SP2_0038	SP2_0039	SP2_0040
SO SRCGROUP	TRANS_SH	SP2_0041	SP2_0042	SP2_0043	SP2_0044	SP2_0045	SP2_0046
SO SRCGROUP	TRANS_SH	SP2_0047	SP2_0048	SP2_0049	SP2_0050	SP2_0051	SP2_0052
SO SRCGROUP	TRANS_SH	SP2_0053	SP2_0054	SP2_0055	SP2_0056	SP2_0057	SP2_0058
SO SRCGROUP	TRANS_SH	SP2_0059	SP2_0060	SP2_0061	SP2_0062	SP2_0063	SP2_0064
SO SRCGROUP	TRANS_SH	SP2_0065	SP2_0066	SP2_0067	SP2_0068	SP2_0069	SP2_0070
SO SRCGROUP	TRANS_SH	SP2_0071	SP2_0072	SP2_0073	SP2_0074	SP2_0075	SP2_0076
SO SRCGROUP	TRANS_SH	SP2_0077	SP2_0078	SP2_0079	SP2_0080	SP2_0081	SP2_0082
SO SRCGROUP	TRANS_SH	SP2_0083	SP2_0084	SP2_0085	SP2_0086	SP2_0087	SP2_0088
SO SRCGROUP	TRANS_SH	SP2_0089	SP2_0090	SP2_0091	SP2_0092	SP2_0093	SP2_0094
SO SRCGROUP	TRANS_SH	SP2_0095	SP2_0096	SP2_0097	SP2_0098	SP2_0099	SP2_0100
SO SRCGROUP	TRANS_SH	SP2_0101	SP2_0102	SP2_0103	SP2_0104	SP2_0105	SP2_0106
SO SRCGROUP	TRANS_SH	SP2_0107	SP2_0108	SP2_0109	SP2_0110	SP2_0111	SP2_0112
SO SRCGROUP	TRANS_SH	SP2_0113	SP2_0114	SP2_0115	SP2_0116	SP2_0117	SP2_0118
SO SRCGROUP	TRANS_SH	SP2_0119	SP2_0120	SP2_0121	SP2_0122	SP2_0123	SP2_0124
SO SRCGROUP	TRANS_SH	SP2_0125	SP2_0126	SP2_0127	SP2_0128	SP2_0129	SP2_0130
SO SRCGROUP	TRANS_SH	SP2_0131	SP2_0132	SP2_0133	SP2_0134	SP2_0135	SP2_0136
SO SRCGROUP	TRANS_SH	SP2_0137	SP2_0138	SP2_0139	SP2_0140	SP2_0141	SP2_0142
SO SRCGROUP	TRANS_SH	SP2_0143	SP2_0144	SP2_0145	SP2_0146	SP2_0147	SP2_0148
SO SRCGROUP	TRANS_SH	SP2_0149	SP2_0150	SP2_0151	SP2_0152	SP2_0153	SP2_0154
SO SRCGROUP	TRANS_SH	SP2_0155	SP2_0156	SP2_0157	SP2_0158	SP2_0159	SP2_0160

SO SRCGROUP	TRANS_SH	SP2_0161	SP2_0162	SP2_0163	SP2_0164	SP2_0165	SP2_0166
SO SRCGROUP	TRANS_SH	SP2_0167	SP2_0168	SP2_0169	SP2_0170	SP2_0171	SP2_0172
SO SRCGROUP	TRANS_SH	SP2_0173	SP2_0174	SP2_0175	SP2_0176	SP2_0177	SP2_0178
SO SRCGROUP	TRANS_SH	SP2_0179	SP2_0180	SP2_0181	SP2_0182	SP2_0183	SP2_0184
SO SRCGROUP	TRANS_SH	SP2_0185	SP2_0186	SP2_0187	SP2_0188	SP2_0189	SP2_0190
SO SRCGROUP	TRANS_SH	SP2_0191	SP2_0192	SP2_0193	SP2_0194	SP2_0195	SP2_0196
SO SRCGROUP	TRANS_SH	SP2_0197	SP2_0198	SP2_0199	SP2_0200	SP2_0201	SP2_0202
SO SRCGROUP	TRANS_SH	SP2_0203	SP2_0204	SP2_0205	SP2_0206	SP2_0207	SP2_0208
SO SRCGROUP	TRANS_SH	SP2_0209					
SO SRCGROUP	TRANS_TU	TG1_0001	TG1_0002	TG1_0003	TG1_0004	TG1_0005	TG1_0006
SO SRCGROUP	TRANS_TU	TG1_0007	TG1_0008	TG1_0009	TG1_0010	TG1_0011	TG1_0012
SO SRCGROUP	TRANS_TU	TG1_0013	TG1_0014	TG1_0015	TG1_0016	TG1_0017	TG1_0018
SO SRCGROUP	TRANS_TU	TG1_0019	TG1_0020	TG1_0021	TG1_0022	TG1_0023	TG1_0024
SO SRCGROUP	TRANS_TU	TG1_0025	TG1_0026	TG1_0027	TG1_0028	TG1_0029	TG1_0030
SO SRCGROUP	TRANS_TU	TG1_0031	TG1_0032	TG1_0033	TG1_0034	TG1_0035	TG1_0036
SO SRCGROUP	TRANS_TU	TG1_0037	TG1_0038	TG1_0039	TG1_0040	TG1_0041	TG1_0042
SO SRCGROUP	TRANS_TU	TG1_0043	TG1_0044	TG1_0045	TG1_0046	TG1_0047	TG1_0048
SO SRCGROUP	TRANS_TU	TG1_0049	TG1_0050	TG1_0051	TG1_0052	TG1_0053	TG1_0054
SO SRCGROUP	TRANS_TU	TG1_0055	TG1_0056	TG1_0057	TG1_0058	TG1_0059	TG1_0060
SO SRCGROUP	TRANS_TU	TG1_0061	TG1_0062	TG1_0063	TG1_0064	TG1_0065	TG1_0066
SO SRCGROUP	TRANS_TU	TG1_0067	TG1_0068	TG1_0069	TG1_0070	TG1_0071	TG1_0072
SO SRCGROUP	TRANS_TU	TG1_0073	TG1_0074	TG1_0075	TG1_0076	TG1_0077	TG1_0078
SO SRCGROUP	TRANS_TU	TG1_0079	TG1_0080	TG1_0081	TG1_0082	TG1_0083	TG1_0084
SO SRCGROUP	TRANS_TU	TG1_0085	TG1_0086	TG1_0087	TG1_0088	TG1_0089	TG1_0090
SO SRCGROUP	TRANS_TU	TG1_0091	TG1_0092	TG1_0093	TG1_0094	TG1_0095	TG1_0096
SO SRCGROUP	TRANS_TU	TG1_0097	TG1_0098	TG1_0099	TG1_0100	TG1_0101	TG1_0102
SO SRCGROUP	TRANS_TU	TG1_0103	TG1_0104	TG1_0105	TG1_0106	TG1_0107	TG1_0108

SO SRCGROUP	TRANS_TU	TG1_0109	TG1_0110	TG1_0111	TG1_0112	TG1_0113	TG1_0114
SO SRCGROUP	TRANS_TU	TG1_0115	TG1_0116	TG1_0117	TG1_0118	TG1_0119	TG1_0120
SO SRCGROUP	TRANS_TU	TG1_0121	TG1_0122	TG1_0123	TG1_0124	TG1_0125	TG1_0126
SO SRCGROUP	TRANS_TU	TG1_0127	TG1_0128	TG1_0129	TG1_0130	TG1_0131	TG1_0132
SO SRCGROUP	TRANS_TU	TG1_0133	TG1_0134	TG1_0135	TG1_0136	TG1_0137	TG1_0138
SO SRCGROUP	TRANS_TU	TG1_0139	TG1_0140	TG1_0141	TG1_0142	TG1_0143	TG1_0144
SO SRCGROUP	TRANS_TU	TG1_0145	TG1_0146	TG1_0147	TG1_0148	TG1_0149	TG1_0150
SO SRCGROUP	TRANS_TU	TG1_0151	TG1_0152	TG2_0001	TG2_0002	TG2_0003	TG2_0004
SO SRCGROUP	TRANS_TU	TG2_0005	TG2_0006	TG2_0007	TG2_0008	TG2_0009	TG2_0010
SO SRCGROUP	TRANS_TU	TG2_0011	TG2_0012	TG2_0013	TG2_0014	TG2_0015	TG2_0016
SO SRCGROUP	TRANS_TU	TG2_0017	TG2_0018	TG2_0019	TG2_0020	TG2_0021	TG2_0022
SO SRCGROUP	TRANS_TU	TG2_0023	TG2_0024	TG2_0025	TG2_0026	TG2_0027	TG2_0028
SO SRCGROUP	TRANS_TU	TG2_0029	TG2_0030	TG2_0031	TG2_0032	TG2_0033	TG2_0034
SO SRCGROUP	TRANS_TU	TG2_0035	TG2_0036	TG2_0037	TG2_0038	TG2_0039	TG2_0040
SO SRCGROUP	TRANS_TU	TG2_0041	TG2_0042	TG2_0043	TG2_0044	TG2_0045	TG2_0046
SO SRCGROUP	TRANS_TU	TG2_0047	TG2_0048	TG2_0049	TG2_0050	TG2_0051	TG2_0052
SO SRCGROUP	TRANS_TU	TG2_0053	TG2_0054	TG2_0055	TG2_0056	TG2_0057	TG2_0058
SO SRCGROUP	TRANS_TU	TG2_0059	TG2_0060	TG2_0061	TG2_0062	TG2_0063	TG2_0064
SO SRCGROUP	TRANS_TU	TG2_0065	TG2_0066	TG2_0067	TG2_0068	TG2_0069	TG2_0070
SO SRCGROUP	TRANS_TU	TG2_0071	TG2_0072	TG2_0073	TG2_0074	TG2_0075	TG2_0076
SO SRCGROUP	TRANS_TU	TG2_0077	TG2_0078	TG2_0079	TG2_0080	TG2_0081	TG2_0082
SO SRCGROUP	TRANS_TU	TG2_0083	TG2_0084	TG2_0085	TG2_0086	TG2_0087	TG2_0088
SO SRCGROUP	TRANS_TU	TG2_0089	TG2_0090	TG2_0091	TG2_0092	TG2_0093	TG2_0094
SO SRCGROUP	TRANS_TU	TG2_0095	TG2_0096	TG2_0097	TG2_0098	TG2_0099	TG2_0100
SO SRCGROUP	TRANS_TU	TG2_0101	TG2_0102	TG2_0103	TG2_0104	TG2_0105	TG2_0106
SO SRCGROUP	TRANS_TU	TG2_0107	TG2_0108	TG2_0109	TG2_0110	TG2_0111	TG2_0112
SO SRCGROUP	TRANS_TU	TG2_0113	TG2_0114	TG2_0115	TG2_0116	TG2_0117	TG2_0118

SO SRCGROUP TRANS_TU TG2_0119 TG2_0120 TG2_0121 TG2_0122 TG2_0123
TG2_0124
SO SRCGROUP TRANS_TU TG2_0125 TG2_0126 TG2_0127 TG2_0128 TG2_0129
TG2_0130
SO SRCGROUP TRANS_TU TG2_0131 TG2_0132 TG2_0133 TG2_0134 TG2_0135
TG2_0136
SO SRCGROUP TRANS_TU TG2_0137 TG2_0138 TG2_0139 TG2_0140 TG2_0141
TG2_0142
SO SRCGROUP TRANS_TU TG2_0143 TG2_0144 TG2_0145 TG2_0146 TG2_0147
TG2_0148
SO SRCGROUP TRANS_TU TG2_0149 TG2_0150 TG2_0151 TG2_0152 TG2_0153
TG2_0154
SO SRCGROUP TRANS_TU TG2_0155 TG2_0156 TG2_0157 TG2_0158 TG2_0159
TG2_0160
SO SRCGROUP TRANS_TU TG2_0161 TG2_0162 TG2_0163 TG2_0164 TG2_0165
TG2_0166
SO SRCGROUP TRANS_TU TG2_0167 TG2_0168 TG2_0169 TG2_0170 TG2_0171
TG2_0172
SO SRCGROUP TRANS_TU TG2_0173 TG2_0174 TG2_0175 TG2_0176 TG2_0177
TG2_0178
SO SRCGROUP TRANS_TU TG2_0179 TG2_0180 TG2_0181 TG2_0182 TG2_0183
TG2_0184
SO SRCGROUP TRANS_TU TG2_0185 TG2_0186 TG2_0187 TG2_0188 TG2_0189
TG2_0190
SO SRCGROUP TRANS_TU TG2_0191 TG2_0192 TG2_0193 TG2_0194 TG2_0195
TG2_0196
SO SRCGROUP TRANS_TU TG2_0197 TG2_0198 TG2_0199 TG2_0200 TG2_0201
TG2_0202
SO SRCGROUP TRANS_TU TG2_0203 TG2_0204 TG2_0205 TG2_0206 TG2_0207
TG2_0208
SO SRCGROUP TRANS_TU TG2_0209 TG2_0210
SO FINISHED

RE STARTING

RE ELEVUNIT METERS

RE DISCCART 566076.51 4211524.03 11.4 167.6
RE DISCCART 566176.51 4211524.03 27.5 167.6
RE DISCCART 566276.51 4211524.03 52.1 167.6
RE DISCCART 567776.51 4211524.03 107.7 168.5
RE DISCCART 567876.51 4211524.03 100.4 168.5
RE DISCCART 567976.51 4211524.03 87.5 168.5
RE DISCCART 568076.51 4211524.03 63.9 168.5
RE DISCCART 568176.51 4211524.03 35.3 168.5
RE DISCCART 568276.51 4211524.03 19.6 168.5
RE DISCCART 568376.51 4211524.03 53.2 168.5
RE DISCCART 568476.51 4211524.03 77. 168.5
RE DISCCART 568576.51 4211524.03 75.5 168.5
RE DISCCART 568676.51 4211524.03 74.2 167.
RE DISCCART 566076.51 4211624.03 30.2 167.6
RE DISCCART 566176.51 4211624.03 17.6 167.6
RE DISCCART 566276.51 4211624.03 16.5 168.5
RE DISCCART 567676.51 4211624.03 98.5 168.5
RE DISCCART 567776.51 4211624.03 82.8 168.5
RE DISCCART 567876.51 4211624.03 76.2 168.5

RE DISCCART	567976.51	4211624.03	61.7	168.5
RE DISCCART	568076.51	4211624.03	63.1	168.5
RE DISCCART	568176.51	4211624.03	46.	168.5
RE DISCCART	568276.51	4211624.03	15.1	168.5
RE DISCCART	568376.51	4211624.03	62.	168.5
RE DISCCART	568476.51	4211624.03	67.5	168.5
RE DISCCART	568576.51	4211624.03	52.6	168.5
RE DISCCART	568676.51	4211624.03	97.3	157.8
RE DISCCART	567176.51	4211724.03	122.4	125.6
RE DISCCART	567276.51	4211724.03	118.6	118.6
RE DISCCART	567376.51	4211724.03	91.7	168.5
RE DISCCART	567676.51	4211724.03	74.7	168.5
RE DISCCART	567776.51	4211724.03	61.2	168.5
RE DISCCART	567876.51	4211724.03	50.5	168.5
RE DISCCART	567976.51	4211724.03	42.9	168.5
RE DISCCART	568076.51	4211724.03	43.9	168.5
RE DISCCART	568176.51	4211724.03	29.6	168.5
RE DISCCART	568276.51	4211724.03	15.3	168.5
RE DISCCART	568376.51	4211724.03	56.4	168.5
RE DISCCART	568476.51	4211724.03	41.	168.5
RE DISCCART	568576.51	4211724.03	46.9	168.5
RE DISCCART	568676.51	4211724.03	77.3	157.8
RE DISCCART	566876.51	4211824.03	67.7	168.5
RE DISCCART	566976.51	4211824.03	100.5	150.
RE DISCCART	567076.51	4211824.03	119.2	119.2
RE DISCCART	567176.51	4211824.03	112.8	125.6
RE DISCCART	567276.51	4211824.03	110.6	125.6
RE DISCCART	567376.51	4211824.03	109.5	168.5
RE DISCCART	567476.51	4211824.03	91.9	168.5
RE DISCCART	567576.51	4211824.03	61.1	168.5
RE DISCCART	567676.51	4211824.03	52.3	168.5
RE DISCCART	567776.51	4211824.03	54.2	168.5
RE DISCCART	567876.51	4211824.03	35.6	168.5
RE DISCCART	567976.51	4211824.03	38.8	168.5
RE DISCCART	568076.51	4211824.03	25.7	168.5
RE DISCCART	568176.51	4211824.03	29.	168.5
RE DISCCART	568276.51	4211824.03	10.5	168.5
RE DISCCART	568376.51	4211824.03	36.3	168.5
RE DISCCART	568476.51	4211824.03	28.	168.5
RE DISCCART	568576.51	4211824.03	43.7	168.5
RE DISCCART	568676.51	4211824.03	65.9	157.8
RE DISCCART	566576.51	4211924.03	57.8	150.
RE DISCCART	566676.51	4211924.03	56.4	167.6
RE DISCCART	566776.51	4211924.03	80.	150.
RE DISCCART	566876.51	4211924.03	95.1	150.
RE DISCCART	566976.51	4211924.03	96.3	150.
RE DISCCART	567076.51	4211924.03	98.9	125.6
RE DISCCART	567176.51	4211924.03	98.1	125.6
RE DISCCART	567276.51	4211924.03	99.7	167.7
RE DISCCART	567376.51	4211924.03	101.	168.5
RE DISCCART	567476.51	4211924.03	94.1	168.5
RE DISCCART	567576.51	4211924.03	76.5	168.5
RE DISCCART	567676.51	4211924.03	53.4	168.5
RE DISCCART	567776.51	4211924.03	34.6	168.5

RE DISCCART	567876.51	4211924.03	28.4	168.5
RE DISCCART	567976.51	4211924.03	20.5	168.5
RE DISCCART	568076.51	4211924.03	19.1	168.5
RE DISCCART	568176.51	4211924.03	17.8	168.5
RE DISCCART	568276.51	4211924.03	12.9	168.5
RE DISCCART	568376.51	4211924.03	18.9	168.5
RE DISCCART	568476.51	4211924.03	18.9	168.5
RE DISCCART	568576.51	4211924.03	19.4	168.5
RE DISCCART	568676.51	4211924.03	24.9	168.5
RE DISCCART	566576.51	4212024.03	63.7	150.
RE DISCCART	566676.51	4212024.03	78.3	150.
RE DISCCART	566776.51	4212024.03	103.2	106.3
RE DISCCART	566876.51	4212024.03	90.	150.
RE DISCCART	566976.51	4212024.03	90.1	150.
RE DISCCART	567076.51	4212024.03	99.7	118.4
RE DISCCART	567176.51	4212024.03	100.7	102.2
RE DISCCART	567276.51	4212024.03	79.1	168.5
RE DISCCART	567376.51	4212024.03	80.4	168.5
RE DISCCART	567476.51	4212024.03	72.	168.5
RE DISCCART	567576.51	4212024.03	59.	168.5
RE DISCCART	567676.51	4212024.03	43.9	168.5
RE DISCCART	567776.51	4212024.03	30.3	168.5
RE DISCCART	567876.51	4212024.03	20.5	168.5
RE DISCCART	567976.51	4212024.03	9.2	168.5
RE DISCCART	568076.51	4212024.03	21.3	168.5
RE DISCCART	568176.51	4212024.03	21.9	168.5
RE DISCCART	568276.51	4212024.03	10.4	168.5
RE DISCCART	568376.51	4212024.03	10.5	168.5
RE DISCCART	568476.51	4212024.03	17.1	168.5
RE DISCCART	568576.51	4212024.03	44.8	168.5
RE DISCCART	568676.51	4212024.03	53.2	157.8
RE DISCCART	567076.51	4212124.03	93.5	100.9
RE DISCCART	567176.51	4212124.03	93.1	102.2
RE DISCCART	567276.51	4212124.03	70.6	168.5
RE DISCCART	567376.51	4212124.03	57.3	168.5
RE DISCCART	567476.51	4212124.03	44.3	168.5
RE DISCCART	567576.51	4212124.03	43.2	168.5
RE DISCCART	567676.51	4212124.03	31.4	168.5
RE DISCCART	568076.51	4212124.03	20.1	168.5
RE DISCCART	568176.51	4212124.03	21.5	168.5
RE DISCCART	568276.51	4212124.03	10.	168.5
RE DISCCART	568376.51	4212124.03	6.7	168.5
RE DISCCART	568476.51	4212124.03	32.5	168.5
RE DISCCART	568576.51	4212124.03	45.1	168.5
RE DISCCART	568676.51	4212124.03	56.7	157.8
RE DISCCART	566976.51	4212224.03	66.8	150.
RE DISCCART	567076.51	4212224.03	60.	168.5
RE DISCCART	567176.51	4212224.03	61.	168.5
RE DISCCART	567276.51	4212224.03	66.7	168.5
RE DISCCART	567376.51	4212224.03	57.4	168.5
RE DISCCART	567476.51	4212224.03	42.3	168.5
RE DISCCART	567576.51	4212224.03	29.3	168.5
RE DISCCART	567676.51	4212224.03	17.8	168.5
RE DISCCART	568176.51	4212224.03	6.4	168.5

RE DISCCART	568276.51	4212224.03	7.5	168.5
RE DISCCART	568376.51	4212224.03	5.8	168.5
RE DISCCART	568476.51	4212224.03	8.5	168.5
RE DISCCART	568576.51	4212224.03	21.8	168.5
RE DISCCART	568676.51	4212224.03	32.9	168.5
RE DISCCART	566976.51	4212324.03	37.	168.5
RE DISCCART	567076.51	4212324.03	30.6	168.5
RE DISCCART	567176.51	4212324.03	36.4	168.5
RE DISCCART	567276.51	4212324.03	23.5	168.5
RE DISCCART	567376.51	4212324.03	22.9	168.5
RE DISCCART	567476.51	4212324.03	24.6	168.5
RE DISCCART	567576.51	4212324.03	8.4	168.5
RE DISCCART	568101.81	4213455.38	73.3	93.7
RE DISCCART	568202.85	4213447.58	55.	112.8
RE DISCCART	568287.24	4213439.78	57.2	112.8
RE DISCCART	568391.62	4213445.35	45.9	118.3
RE DISCCART	568076.51	4213524.03	85.3	93.7
RE DISCCART	568176.51	4213524.03	77.9	112.8
RE DISCCART	568276.51	4213524.03	76.1	112.6
RE DISCCART	568376.51	4213524.03	75.6	75.6
RE DISCCART	568476.51	4213524.03	54.9	112.8
RE DISCCART	568576.51	4213524.03	45.9	118.3
RE DISCCART	568676.51	4213524.03	36.3	118.3
RE DISCCART	568076.51	4213624.03	78.	112.8
RE DISCCART	568176.51	4213624.03	79.	112.8
RE DISCCART	568276.51	4213624.03	77.8	112.8
RE DISCCART	568376.51	4213624.03	79.5	79.5
RE DISCCART	568476.51	4213624.03	69.6	112.3
RE DISCCART	568576.51	4213624.03	50.5	118.3
RE DISCCART	568676.51	4213624.03	41.4	118.3
RE DISCCART	568076.51	4213724.03	96.4	112.8
RE DISCCART	568176.51	4213724.03	89.7	112.8
RE DISCCART	568276.51	4213724.03	83.6	112.8
RE DISCCART	568376.51	4213724.03	76.2	112.8
RE DISCCART	568476.51	4213724.03	60.1	118.3
RE DISCCART	568576.51	4213724.03	40.9	118.7
RE DISCCART	568676.51	4213724.03	35.	118.7
RE DISCCART	567976.51	4213824.03	96.1	112.8
RE DISCCART	568076.51	4213824.03	106.4	112.8
RE DISCCART	568176.51	4213824.03	100.7	112.8
RE DISCCART	568276.51	4213824.03	87.1	118.3
RE DISCCART	568376.51	4213824.03	65.4	118.7
RE DISCCART	568476.51	4213824.03	66.2	118.3
RE DISCCART	568576.51	4213824.03	55.7	118.7
RE DISCCART	568676.51	4213824.03	45.8	118.7
RE DISCCART	567076.51	4213924.03	45.	65.8
RE DISCCART	567176.51	4213924.03	62.7	64.7
RE DISCCART	567976.51	4213924.03	99.2	112.8
RE DISCCART	568076.51	4213924.03	102.6	112.8
RE DISCCART	568176.51	4213924.03	100.	118.3
RE DISCCART	568276.51	4213924.03	76.9	118.7
RE DISCCART	568376.51	4213924.03	82.5	118.3
RE DISCCART	568476.51	4213924.03	82.	100.5
RE DISCCART	568576.51	4213924.03	56.3	118.7

RE DISCCART	568676.51	4213924.03	51.9	118.7
RE DISCCART	566976.51	4214024.03	45.6	65.8
RE DISCCART	567076.51	4214024.03	58.6	64.9
RE DISCCART	567176.51	4214024.03	52.3	65.8
RE DISCCART	568076.51	4214024.03	95.2	118.7
RE DISCCART	568176.51	4214024.03	102.2	118.3
RE DISCCART	568276.51	4214024.03	83.8	118.7
RE DISCCART	568376.51	4214024.03	85.6	118.7
RE DISCCART	568476.51	4214024.03	73.1	118.7
RE DISCCART	568576.51	4214024.03	49.4	118.7
RE DISCCART	568676.51	4214024.03	42.7	118.7
RE DISCCART	566910.7	4214138.85	30.9	65.8
RE DISCCART	566976.51	4214124.03	56.2	64.1
RE DISCCART	567076.51	4214124.03	52.3	63.
RE DISCCART	567176.51	4214124.03	37.1	65.8
RE DISCCART	567276.51	4214124.03	43.5	99.8
RE DISCCART	567376.51	4214124.03	46.3	112.8
RE DISCCART	567476.51	4214124.03	21.1	118.7
RE DISCCART	568076.51	4214124.03	99.	118.7
RE DISCCART	568176.51	4214124.03	110.	118.3
RE DISCCART	568276.51	4214124.03	83.8	118.7
RE DISCCART	568376.51	4214124.03	71.9	118.7
RE DISCCART	568476.51	4214124.03	65.3	118.7
RE DISCCART	568576.51	4214124.03	65.8	118.7
RE DISCCART	568676.51	4214124.03	54.5	118.7
RE DISCCART	566701.62	4214221.68	0.	65.8
RE DISCCART	566784.15	4214254.81	26.6	65.
RE DISCCART	566876.51	4214224.03	56.3	65.
RE DISCCART	566976.51	4214224.03	59.6	63.8
RE DISCCART	567076.51	4214224.03	48.5	64.1
RE DISCCART	567176.51	4214224.03	33.7	99.8
RE DISCCART	567276.51	4214224.03	30.5	118.7
RE DISCCART	567376.51	4214224.03	30.1	118.7
RE DISCCART	567476.51	4214224.03	15.7	118.7
RE DISCCART	568076.51	4214224.03	115.5	118.7
RE DISCCART	568176.51	4214224.03	111.4	118.7
RE DISCCART	568276.51	4214224.03	89.9	118.7
RE DISCCART	568376.51	4214224.03	80.8	118.7
RE DISCCART	568476.51	4214224.03	69.4	118.7
RE DISCCART	568576.51	4214224.03	54.5	118.7
RE DISCCART	568676.51	4214224.03	45.9	118.7
RE DISCCART	566676.51	4214324.03	2.3	65.8
RE DISCCART	566776.51	4214324.03	40.1	65.
RE DISCCART	566876.51	4214324.03	53.2	65.
RE DISCCART	566976.51	4214324.03	42.7	65.
RE DISCCART	567076.51	4214324.03	35.2	65.
RE DISCCART	567176.51	4214324.03	30.5	112.8
RE DISCCART	567276.51	4214324.03	39.1	112.8
RE DISCCART	567376.51	4214324.03	32.8	118.7
RE DISCCART	568276.51	4214324.03	88.9	118.7
RE DISCCART	568376.51	4214324.03	70.3	118.7
RE DISCCART	568476.51	4214324.03	69.5	118.7
RE DISCCART	568576.51	4214324.03	68.9	118.7
RE DISCCART	568676.51	4214324.03	50.1	118.7

RE DISCCART 566776.51 4214424.03 18.6 65.
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RE DISCCART 566976.51 4214424.03 47.4 58.2
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RE DISCCART 567276.51 4214424.03 31.6 118.7
RE DISCCART 567376.51 4214424.03 25.1 118.7
RE DISCCART 567476.51 4214424.03 28. 118.7
RE DISCCART 567576.51 4214424.03 50.5 118.7
RE DISCCART 567676.51 4214424.03 70.2 118.7
RE DISCCART 567976.51 4214424.03 98. 112.8
RE DISCCART 568076.51 4214424.03 95.4 118.7
RE DISCCART 568176.51 4214424.03 82.7 118.7
RE DISCCART 568276.51 4214424.03 73.5 118.7
RE DISCCART 568376.51 4214424.03 76.2 118.7
RE DISCCART 568476.51 4214424.03 58.3 118.7
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RE DISCCART 566976.51 4214524.03 34.8 65.
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RE DISCCART 567176.51 4214524.03 25.7 112.8
RE DISCCART 567276.51 4214524.03 24.9 118.7
RE DISCCART 567376.51 4214524.03 30.3 118.7
RE DISCCART 567476.51 4214524.03 28.8 118.7
RE DISCCART 567576.51 4214524.03 43.1 118.7
RE DISCCART 567676.51 4214524.03 50.5 118.7
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RE DISCCART 568176.51 4214524.03 80.4 118.7
RE DISCCART 568276.51 4214524.03 67.5 118.7
RE DISCCART 568376.51 4214524.03 61.4 118.7
RE DISCCART 568476.51 4214524.03 55.6 118.7
RE DISCCART 568576.51 4214524.03 52.7 118.7
RE DISCCART 568676.51 4214524.03 44.8 118.7
RE DISCCART 566676.51 4214624.03 28.7 60.1
RE DISCCART 566776.51 4214624.03 52.5 52.5
RE DISCCART 566876.51 4214624.03 43.1 60.1
RE DISCCART 566976.51 4214624.03 33.8 60.1
RE DISCCART 567076.51 4214624.03 25.9 96.5
RE DISCCART 567176.51 4214624.03 23.6 112.8
RE DISCCART 567276.51 4214624.03 24.7 118.7
RE DISCCART 567376.51 4214624.03 28.6 118.7
RE DISCCART 567476.51 4214624.03 41.8 118.7
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RE DISCCART 567676.51 4214624.03 73.4 100.5
RE DISCCART 567976.51 4214624.03 88.1 89.1
RE DISCCART 568076.51 4214624.03 78.8 118.7
RE DISCCART 568176.51 4214624.03 67.5 118.7
RE DISCCART 568276.51 4214624.03 62.5 118.7
RE DISCCART 568376.51 4214624.03 55.8 118.7
RE DISCCART 568476.51 4214624.03 49. 118.7

RE DISCCART	568576.51	4214624.03	46.8	118.7
RE DISCCART	568676.51	4214624.03	46.	118.7
RE DISCCART	566576.51	4214724.03	5.8	65.
RE DISCCART	566676.51	4214724.03	20.5	60.1
RE DISCCART	566776.51	4214724.03	31.9	60.1
RE DISCCART	566876.51	4214724.03	34.9	60.1
RE DISCCART	566976.51	4214724.03	31.4	60.1
RE DISCCART	567076.51	4214724.03	25.6	96.5
RE DISCCART	567176.51	4214724.03	20.	112.8
RE DISCCART	567276.51	4214724.03	23.3	118.5
RE DISCCART	567376.51	4214724.03	29.7	118.7
RE DISCCART	567476.51	4214724.03	44.6	112.8
RE DISCCART	567576.51	4214724.03	61.8	100.5
RE DISCCART	567676.51	4214724.03	84.3	96.5
RE DISCCART	567976.51	4214724.03	90.5	100.3
RE DISCCART	568076.51	4214724.03	87.5	93.4
RE DISCCART	568176.51	4214724.03	74.4	93.6
RE DISCCART	568276.51	4214724.03	59.4	118.7
RE DISCCART	568376.51	4214724.03	61.2	118.7
RE DISCCART	568476.51	4214724.03	64.5	83.4
RE DISCCART	568576.51	4214724.03	56.3	83.4
RE DISCCART	568676.51	4214724.03	63.8	75.8
RE DISCCART	566476.51	4214824.03	18.	46.2
RE DISCCART	566576.51	4214824.03	41.3	43.9
RE DISCCART	566676.51	4214824.03	34.1	44.8
RE DISCCART	566776.51	4214824.03	38.5	39.
RE DISCCART	566876.51	4214824.03	36.5	36.5
RE DISCCART	566976.51	4214824.03	36.6	36.6
RE DISCCART	567076.51	4214824.03	24.8	96.5
RE DISCCART	567176.51	4214824.03	17.3	112.8
RE DISCCART	567276.51	4214824.03	21.9	112.8
RE DISCCART	567376.51	4214824.03	31.2	112.8
RE DISCCART	567476.51	4214824.03	42.	112.8
RE DISCCART	567576.51	4214824.03	58.4	100.5
RE DISCCART	567676.51	4214824.03	80.3	100.
RE DISCCART	567776.51	4214824.03	85.9	100.5
RE DISCCART	567876.51	4214824.03	86.2	100.5
RE DISCCART	567976.51	4214824.03	80.1	100.5
RE DISCCART	568076.51	4214824.03	67.8	100.5
RE DISCCART	568176.51	4214824.03	63.7	100.5
RE DISCCART	568276.51	4214824.03	59.	100.5
RE DISCCART	568376.51	4214824.03	68.1	83.4
RE DISCCART	568476.51	4214824.03	79.7	83.3
RE DISCCART	568576.51	4214824.03	75.4	82.6
RE DISCCART	568676.51	4214824.03	74.3	74.3
RE DISCCART	566476.51	4214924.03	45.3	45.3
RE DISCCART	566576.51	4214924.03	36.2	46.
RE DISCCART	566676.51	4214924.03	41.6	44.4
RE DISCCART	566776.51	4214924.03	38.5	44.4
RE DISCCART	566876.51	4214924.03	31.8	31.8
RE DISCCART	566976.51	4214924.03	26.9	38.5
RE DISCCART	567076.51	4214924.03	19.9	99.8
RE DISCCART	567176.51	4214924.03	15.5	100.5
RE DISCCART	567276.51	4214924.03	18.5	112.8

RE DISCCART	567376.51	4214924.03	30.9	100.5
RE DISCCART	567476.51	4214924.03	44.3	100.5
RE DISCCART	567576.51	4214924.03	60.4	100.5
RE DISCCART	567676.51	4214924.03	70.5	100.5
RE DISCCART	567776.51	4214924.03	73.3	100.5
RE DISCCART	567876.51	4214924.03	73.3	100.5
RE DISCCART	567976.51	4214924.03	70.1	100.5
RE DISCCART	568076.51	4214924.03	61.1	100.5
RE DISCCART	568176.51	4214924.03	53.7	100.5
RE DISCCART	568276.51	4214924.03	55.9	100.5
RE DISCCART	568376.51	4214924.03	68.2	83.4
RE DISCCART	568476.51	4214924.03	73.5	83.4
RE DISCCART	568576.51	4214924.03	67.7	83.4
RE DISCCART	568676.51	4214924.03	76.6	78.3
RE DISCCART	566376.51	4215024.03	22.1	46.2
RE DISCCART	566476.51	4215024.03	38.1	46.2
RE DISCCART	566576.51	4215024.03	34.	34.
RE DISCCART	566676.51	4215024.03	29.1	44.8
RE DISCCART	566776.51	4215024.03	28.3	44.8
RE DISCCART	566876.51	4215024.03	30.2	30.4
RE DISCCART	566976.51	4215024.03	20.	38.4
RE DISCCART	567076.51	4215024.03	11.9	100.5
RE DISCCART	567176.51	4215024.03	12.7	100.5
RE DISCCART	567276.51	4215024.03	20.1	100.5
RE DISCCART	567376.51	4215024.03	34.7	100.5
RE DISCCART	567476.51	4215024.03	39.3	100.5
RE DISCCART	567576.51	4215024.03	51.6	100.5
RE DISCCART	567676.51	4215024.03	75.7	81.4
RE DISCCART	567776.51	4215024.03	77.7	77.7
RE DISCCART	567876.51	4215024.03	75.8	100.
RE DISCCART	567976.51	4215024.03	71.5	100.5
RE DISCCART	568076.51	4215024.03	58.9	100.5
RE DISCCART	568176.51	4215024.03	49.	100.5
RE DISCCART	568276.51	4215024.03	49.3	100.5
RE DISCCART	568376.51	4215024.03	54.1	83.4
RE DISCCART	568476.51	4215024.03	55.6	87.5
RE DISCCART	568576.51	4215024.03	60.8	87.5
RE DISCCART	568676.51	4215024.03	76.5	87.5
RE DISCCART	566276.51	4215124.03	19.3	50.8
RE DISCCART	566376.51	4215124.03	31.5	33.1
RE DISCCART	566476.51	4215124.03	29.6	45.9
RE DISCCART	566576.51	4215124.03	29.2	30.5
RE DISCCART	566676.51	4215124.03	25.	25.
RE DISCCART	566776.51	4215124.03	22.5	44.5
RE DISCCART	566876.51	4215124.03	19.9	31.6
RE DISCCART	566976.51	4215124.03	14.3	32.2
RE DISCCART	567076.51	4215124.03	10.5	100.5
RE DISCCART	567176.51	4215124.03	12.5	100.5
RE DISCCART	567276.51	4215124.03	17.7	100.5
RE DISCCART	567376.51	4215124.03	27.	100.5
RE DISCCART	567476.51	4215124.03	32.9	100.5
RE DISCCART	567576.51	4215124.03	51.6	100.5
RE DISCCART	567676.51	4215124.03	76.7	81.1
RE DISCCART	567776.51	4215124.03	74.2	80.3

RE DISCCART	567876.51	4215124.03	67.3	78.
RE DISCCART	567976.51	4215124.03	63.4	100.5
RE DISCCART	568076.51	4215124.03	53.3	100.5
RE DISCCART	568176.51	4215124.03	46.1	100.5
RE DISCCART	568276.51	4215124.03	50.9	82.9
RE DISCCART	568376.51	4215124.03	62.6	70.4
RE DISCCART	568476.51	4215124.03	70.2	75.3
RE DISCCART	568576.51	4215124.03	70.7	87.5
RE DISCCART	568676.51	4215124.03	81.6	86.7
RE DISCCART	566276.51	4215224.03	16.5	50.8
RE DISCCART	566376.51	4215224.03	22.3	50.8
RE DISCCART	566476.51	4215224.03	25.4	50.7
RE DISCCART	566576.51	4215224.03	30.7	30.7
RE DISCCART	566676.51	4215224.03	31.8	31.8
RE DISCCART	566776.51	4215224.03	26.8	31.7
RE DISCCART	566876.51	4215224.03	17.	32.1
RE DISCCART	566976.51	4215224.03	11.2	11.2
RE DISCCART	567076.51	4215224.03	9.5	99.8
RE DISCCART	567176.51	4215224.03	12.5	100.5
RE DISCCART	567276.51	4215224.03	17.6	100.5
RE DISCCART	567376.51	4215224.03	24.	100.5
RE DISCCART	567476.51	4215224.03	30.9	100.5
RE DISCCART	567576.51	4215224.03	45.8	100.5
RE DISCCART	567676.51	4215224.03	54.8	81.4
RE DISCCART	567776.51	4215224.03	63.8	81.4
RE DISCCART	567876.51	4215224.03	57.9	81.4
RE DISCCART	567976.51	4215224.03	45.2	100.5
RE DISCCART	568076.51	4215224.03	44.1	100.5
RE DISCCART	568176.51	4215224.03	39.3	100.5
RE DISCCART	568276.51	4215224.03	46.2	75.4
RE DISCCART	568376.51	4215224.03	54.4	75.4
RE DISCCART	568476.51	4215224.03	60.3	75.4
RE DISCCART	568576.51	4215224.03	61.9	87.5
RE DISCCART	568676.51	4215224.03	67.5	87.5
RE DISCCART	566276.51	4215324.03	46.1	50.8
RE DISCCART	566376.51	4215324.03	42.1	42.1
RE DISCCART	566476.51	4215324.03	31.1	46.
RE DISCCART	566576.51	4215324.03	25.8	33.
RE DISCCART	566676.51	4215324.03	24.8	32.5
RE DISCCART	566776.51	4215324.03	26.1	26.1
RE DISCCART	566876.51	4215324.03	15.	32.4
RE DISCCART	566976.51	4215324.03	8.9	8.9
RE DISCCART	567076.51	4215324.03	8.	81.4
RE DISCCART	567176.51	4215324.03	12.2	99.8
RE DISCCART	567276.51	4215324.03	17.2	100.5
RE DISCCART	567376.51	4215324.03	22.9	100.5
RE DISCCART	567476.51	4215324.03	31.5	100.5
RE DISCCART	567576.51	4215324.03	48.7	81.4
RE DISCCART	567676.51	4215324.03	55.8	81.4
RE DISCCART	567776.51	4215324.03	50.6	81.4
RE DISCCART	567876.51	4215324.03	45.	100.5
RE DISCCART	567976.51	4215324.03	36.5	100.5
RE DISCCART	568076.51	4215324.03	37.1	100.5
RE DISCCART	568176.51	4215324.03	35.6	100.5

RE DISCCART	568276.51	4215324.03	41.9	75.4
RE DISCCART	568376.51	4215324.03	47.8	75.4
RE DISCCART	568476.51	4215324.03	53.5	86.7
RE DISCCART	568576.51	4215324.03	54.6	87.5
RE DISCCART	568676.51	4215324.03	55.5	87.5
RE DISCCART	566276.51	4215424.03	42.7	50.8
RE DISCCART	566376.51	4215424.03	33.8	50.8
RE DISCCART	566476.51	4215424.03	24.4	50.8
RE DISCCART	566576.51	4215424.03	29.8	32.5
RE DISCCART	566676.51	4215424.03	20.	32.7
RE DISCCART	566776.51	4215424.03	17.7	17.7
RE DISCCART	566876.51	4215424.03	14.9	14.9
RE DISCCART	566976.51	4215424.03	8.6	13.5
RE DISCCART	567076.51	4215424.03	6.6	81.4
RE DISCCART	567176.51	4215424.03	11.7	81.4
RE DISCCART	567276.51	4215424.03	15.8	81.4
RE DISCCART	567376.51	4215424.03	24.1	81.4
RE DISCCART	567476.51	4215424.03	32.6	81.4
RE DISCCART	567576.51	4215424.03	41.	81.4
RE DISCCART	567676.51	4215424.03	43.	81.4
RE DISCCART	567776.51	4215424.03	37.5	81.4
RE DISCCART	567876.51	4215424.03	32.9	100.5
RE DISCCART	567976.51	4215424.03	30.5	100.5
RE DISCCART	568076.51	4215424.03	37.8	50.1
RE DISCCART	568176.51	4215424.03	45.7	48.7
RE DISCCART	568276.51	4215424.03	42.9	56.5
RE DISCCART	568376.51	4215424.03	42.2	75.4
RE DISCCART	568476.51	4215424.03	48.1	57.2
RE DISCCART	568576.51	4215424.03	56.7	56.7
RE DISCCART	568676.51	4215424.03	56.6	59.7
RE DISCCART	566076.51	4215524.03	8.	50.8
RE DISCCART	566176.51	4215524.03	30.9	50.8
RE DISCCART	566276.51	4215524.03	34.9	50.2
RE DISCCART	566376.51	4215524.03	28.2	50.8
RE DISCCART	566476.51	4215524.03	21.1	50.8
RE DISCCART	566576.51	4215524.03	18.1	33.
RE DISCCART	566676.51	4215524.03	18.5	18.5
RE DISCCART	566776.51	4215524.03	15.7	15.7
RE DISCCART	566876.51	4215524.03	11.6	11.6
RE DISCCART	566976.51	4215524.03	5.3	5.3
RE DISCCART	567076.51	4215524.03	7.	7.
RE DISCCART	567176.51	4215524.03	13.8	81.
RE DISCCART	567276.51	4215524.03	13.	81.4
RE DISCCART	567376.51	4215524.03	19.6	81.4
RE DISCCART	567476.51	4215524.03	27.3	81.4
RE DISCCART	567576.51	4215524.03	36.1	81.
RE DISCCART	567676.51	4215524.03	35.4	81.4
RE DISCCART	567776.51	4215524.03	27.8	81.4
RE DISCCART	567876.51	4215524.03	28.2	81.4
RE DISCCART	567976.51	4215524.03	41.7	43.9
RE DISCCART	568076.51	4215524.03	46.4	49.5
RE DISCCART	568176.51	4215524.03	48.4	48.4
RE DISCCART	568276.51	4215524.03	52.	56.5
RE DISCCART	568376.51	4215524.03	43.	56.5

RE DISCCART	568476.51	4215524.03	47.4	57.2
RE DISCCART	568576.51	4215524.03	48.7	58.2
RE DISCCART	568676.51	4215524.03	41.2	87.5
RE DISCCART	566076.51	4215624.03	5.7	50.8
RE DISCCART	566176.51	4215624.03	15.8	50.8
RE DISCCART	566276.51	4215624.03	19.6	50.8
RE DISCCART	566376.51	4215624.03	14.5	50.8
RE DISCCART	566476.51	4215624.03	12.4	50.8
RE DISCCART	566576.51	4215624.03	15.2	15.2
RE DISCCART	566676.51	4215624.03	19.	19.
RE DISCCART	566776.51	4215624.03	18.4	18.4
RE DISCCART	566876.51	4215624.03	14.7	18.7
RE DISCCART	566976.51	4215624.03	4.4	20.5
RE DISCCART	567076.51	4215624.03	6.7	6.7
RE DISCCART	567176.51	4215624.03	9.2	20.
RE DISCCART	567276.51	4215624.03	11.4	81.4
RE DISCCART	567376.51	4215624.03	19.6	19.6
RE DISCCART	567476.51	4215624.03	21.8	81.4
RE DISCCART	567576.51	4215624.03	25.1	81.4
RE DISCCART	567676.51	4215624.03	26.3	81.4
RE DISCCART	567776.51	4215624.03	25.8	81.4
RE DISCCART	567876.51	4215624.03	41.4	45.5
RE DISCCART	567976.51	4215624.03	42.9	42.9
RE DISCCART	568076.51	4215624.03	40.3	40.3
RE DISCCART	568176.51	4215624.03	41.8	56.5
RE DISCCART	568276.51	4215624.03	48.8	56.5
RE DISCCART	568376.51	4215624.03	44.2	56.5
RE DISCCART	568476.51	4215624.03	38.9	57.3
RE DISCCART	568576.51	4215624.03	38.9	58.2
RE DISCCART	568676.51	4215624.03	48.4	55.8
RE DISCCART	566076.51	4215724.03	7.8	50.8
RE DISCCART	566176.51	4215724.03	6.6	50.8
RE DISCCART	566276.51	4215724.03	7.7	50.8
RE DISCCART	566376.51	4215724.03	10.	50.8
RE DISCCART	566476.51	4215724.03	12.	12.
RE DISCCART	566576.51	4215724.03	15.8	19.1
RE DISCCART	566676.51	4215724.03	19.1	19.1
RE DISCCART	566776.51	4215724.03	17.4	17.4
RE DISCCART	566876.51	4215724.03	19.1	19.1
RE DISCCART	566976.51	4215724.03	2.8	21.
RE DISCCART	567076.51	4215724.03	5.9	5.9
RE DISCCART	567176.51	4215724.03	6.8	6.8
RE DISCCART	567276.51	4215724.03	9.1	9.1
RE DISCCART	567376.51	4215724.03	14.4	26.4
RE DISCCART	567476.51	4215724.03	24.1	24.7
RE DISCCART	567576.51	4215724.03	26.	26.
RE DISCCART	567676.51	4215724.03	18.5	45.5
RE DISCCART	567776.51	4215724.03	34.3	40.1
RE DISCCART	567876.51	4215724.03	35.3	45.2
RE DISCCART	567976.51	4215724.03	32.9	45.5
RE DISCCART	568076.51	4215724.03	30.3	56.5
RE DISCCART	568176.51	4215724.03	33.	56.5
RE DISCCART	568276.51	4215724.03	38.6	56.5
RE DISCCART	568376.51	4215724.03	33.1	56.5

RE DISCCART	568476.51	4215724.03	32.1	57.3
RE DISCCART	568576.51	4215724.03	41.4	57.3
RE DISCCART	568676.51	4215724.03	49.	57.5
RE DISCCART	566076.51	4215824.03	22.	22.5
RE DISCCART	566176.51	4215824.03	17.2	19.8
RE DISCCART	566276.51	4215824.03	13.	13.
RE DISCCART	566376.51	4215824.03	13.2	13.2
RE DISCCART	566476.51	4215824.03	16.3	16.3
RE DISCCART	566576.51	4215824.03	18.1	18.1
RE DISCCART	566676.51	4215824.03	15.2	15.2
RE DISCCART	566776.51	4215824.03	11.8	11.8
RE DISCCART	566876.51	4215824.03	11.9	20.9
RE DISCCART	566976.51	4215824.03	2.3	21.
RE DISCCART	567076.51	4215824.03	2.3	2.3
RE DISCCART	567176.51	4215824.03	2.4	2.4
RE DISCCART	567276.51	4215824.03	4.2	26.4
RE DISCCART	567376.51	4215824.03	11.6	26.5
RE DISCCART	567476.51	4215824.03	13.9	27.1
RE DISCCART	567576.51	4215824.03	12.4	39.5
RE DISCCART	567676.51	4215824.03	20.9	39.5
RE DISCCART	567776.51	4215824.03	26.7	38.
RE DISCCART	567876.51	4215824.03	25.6	45.2
RE DISCCART	567976.51	4215824.03	27.9	27.9
RE DISCCART	568076.51	4215824.03	27.1	27.1
RE DISCCART	568176.51	4215824.03	26.2	56.5
RE DISCCART	568276.51	4215824.03	23.5	56.5
RE DISCCART	568376.51	4215824.03	30.6	30.6
RE DISCCART	568476.51	4215824.03	34.4	57.3
RE DISCCART	568576.51	4215824.03	42.8	57.5
RE DISCCART	568676.51	4215824.03	55.8	56.6
RE DISCCART	566076.51	4215924.03	18.9	23.9
RE DISCCART	566176.51	4215924.03	19.9	19.9
RE DISCCART	566276.51	4215924.03	17.9	17.9
RE DISCCART	566376.51	4215924.03	17.5	17.5
RE DISCCART	566476.51	4215924.03	19.9	19.9
RE DISCCART	566576.51	4215924.03	13.9	20.7
RE DISCCART	566676.51	4215924.03	5.9	20.7
RE DISCCART	566776.51	4215924.03	8.6	13.8
RE DISCCART	566876.51	4215924.03	2.2	20.9
RE DISCCART	566976.51	4215924.03	2.3	2.3
RE DISCCART	567076.51	4215924.03	2.4	2.4
RE DISCCART	567176.51	4215924.03	5.2	5.2
RE DISCCART	567276.51	4215924.03	7.8	7.8
RE DISCCART	567376.51	4215924.03	10.2	10.2
RE DISCCART	567476.51	4215924.03	14.6	14.6
RE DISCCART	567576.51	4215924.03	17.6	17.6
RE DISCCART	567676.51	4215924.03	22.	22.
RE DISCCART	567776.51	4215924.03	22.6	22.6
RE DISCCART	567876.51	4215924.03	23.9	23.9
RE DISCCART	567976.51	4215924.03	22.5	25.9
RE DISCCART	568076.51	4215924.03	17.9	26.9
RE DISCCART	568176.51	4215924.03	20.9	20.9
RE DISCCART	568276.51	4215924.03	24.7	57.
RE DISCCART	568376.51	4215924.03	29.9	57.2

RE DISCCART	568476.51	4215924.03	34.4	57.2
RE DISCCART	568576.51	4215924.03	37.4	57.8
RE DISCCART	568676.51	4215924.03	40.8	57.8
RE DISCCART	563606	4208094	6.98	74.56
RE DISCCART	563706	4208094	6.76	74.56
RE DISCCART	563806	4208094	10.96	74.56
RE DISCCART	563906	4208094	18.86	78.28
RE DISCCART	564006	4208094	37.71	74.56
RE DISCCART	564106	4208094	60.25	69.06
RE DISCCART	564206	4208094	69.27	74.56
RE DISCCART	564306	4208094	60.08	74.56
RE DISCCART	564406	4208094	32.62	80.38
RE DISCCART	564506	4208094	69.64	80.38
RE DISCCART	564606	4208094	69.71	80.38
RE DISCCART	564706	4208094	62.22	80.38
RE DISCCART	564806	4208094	40.58	80.38
RE DISCCART	564906	4208094	38.35	80.38
RE DISCCART	565006	4208094	24.61	80.38
RE DISCCART	565106	4208094	17.68	99.29
RE DISCCART	565206	4208094	17.45	99.29
RE DISCCART	565306	4208094	19.85	99.29
RE DISCCART	565406	4208094	27.37	99.29
RE DISCCART	565506	4208094	29.72	99.29
RE DISCCART	565606	4208094	49.16	99.29
RE DISCCART	565706	4208094	58.51	58.51
RE DISCCART	565806	4208094	56.91	73.22
RE DISCCART	563606	4208194	17.8	50.09
RE DISCCART	563706	4208194	12.19	74.56
RE DISCCART	563806	4208194	18.45	74.56
RE DISCCART	563906	4208194	31.05	74.56
RE DISCCART	564006	4208194	49.67	69.06
RE DISCCART	564106	4208194	60.51	69.06
RE DISCCART	564206	4208194	61.83	74.56
RE DISCCART	564306	4208194	61.09	74.56
RE DISCCART	564406	4208194	53.03	80.38
RE DISCCART	564506	4208194	37.05	80.38
RE DISCCART	564606	4208194	58.18	80.38
RE DISCCART	564706	4208194	54.14	80.38
RE DISCCART	564806	4208194	20.61	80.38
RE DISCCART	564906	4208194	18.46	80.38
RE DISCCART	565006	4208194	17.2	98.97
RE DISCCART	565106	4208194	16.24	99.29
RE DISCCART	565206	4208194	17.85	99.29
RE DISCCART	565306	4208194	28.54	99.29
RE DISCCART	565406	4208194	43.67	99.29
RE DISCCART	565506	4208194	51.59	99.29
RE DISCCART	565606	4208194	43.26	99.29
RE DISCCART	565706	4208194	65.05	75.1
RE DISCCART	565806	4208194	67.13	73.22
RE DISCCART	563606	4208294	24.85	50.09
RE DISCCART	563706	4208294	23.98	69.06
RE DISCCART	563806	4208294	32.64	69.06
RE DISCCART	563906	4208294	36.33	69.06
RE DISCCART	564006	4208294	48.83	69.06

RE DISCCART	564106	4208294	52.11	69.06
RE DISCCART	564206	4208294	52.41	74.56
RE DISCCART	564306	4208294	53.25	53.25
RE DISCCART	564406	4208294	52.8	52.8
RE DISCCART	564506	4208294	32.52	80.38
RE DISCCART	564606	4208294	50.25	80.38
RE DISCCART	564706	4208294	30.78	80.38
RE DISCCART	564806	4208294	17.96	80.38
RE DISCCART	564906	4208294	16.06	80.38
RE DISCCART	565006	4208294	14.7	99.29
RE DISCCART	565106	4208294	18.4	99.29
RE DISCCART	565206	4208294	28.3	99.29
RE DISCCART	565306	4208294	22.84	99.68
RE DISCCART	565406	4208294	30.32	99.71
RE DISCCART	565506	4208294	41.78	99.29
RE DISCCART	565606	4208294	64.28	99.29
RE DISCCART	565706	4208294	66.63	99.29
RE DISCCART	565806	4208294	75.48	78.94
RE DISCCART	565906	4208294	62.57	99.29
RE DISCCART	563606	4208394	25.2	50.09
RE DISCCART	563706	4208394	35.22	50.09
RE DISCCART	563806	4208394	43.81	50.09
RE DISCCART	563906	4208394	45.5	46.56
RE DISCCART	564006	4208394	43.08	43.08
RE DISCCART	564106	4208394	44.38	44.38
RE DISCCART	564206	4208394	45.12	45.12
RE DISCCART	564306	4208394	44.19	48.28
RE DISCCART	564406	4208394	45.12	45.12
RE DISCCART	564506	4208394	45.03	45.03
RE DISCCART	564606	4208394	22.59	80.38
RE DISCCART	564706	4208394	27.53	80.38
RE DISCCART	564806	4208394	15.6	80.38
RE DISCCART	564906	4208394	13.97	98.97
RE DISCCART	565006	4208394	20.81	99.29
RE DISCCART	565106	4208394	31.59	99.29
RE DISCCART	565206	4208394	37.57	99.29
RE DISCCART	565306	4208394	31.12	99.29
RE DISCCART	565406	4208394	45.79	99.29
RE DISCCART	565506	4208394	47.74	99.29
RE DISCCART	565606	4208394	66.79	99.29
RE DISCCART	565706	4208394	82.15	99.29
RE DISCCART	565806	4208394	82.36	99.
RE DISCCART	565906	4208394	61.86	99.83
RE DISCCART	563606	4208494	31.41	31.41
RE DISCCART	563706	4208494	39.11	43.27
RE DISCCART	563806	4208494	43.88	43.88
RE DISCCART	563906	4208494	41.68	41.68
RE DISCCART	564006	4208494	37.18	37.18
RE DISCCART	564106	4208494	36.69	36.69
RE DISCCART	564206	4208494	36.24	36.24
RE DISCCART	564306	4208494	36.97	36.97
RE DISCCART	564406	4208494	39.11	39.11
RE DISCCART	564506	4208494	40.72	40.72
RE DISCCART	564606	4208494	22.71	80.38

RE DISCCART	564706	4208494	20.15	80.38
RE DISCCART	564806	4208494	12.79	80.38
RE DISCCART	564906	4208494	15.36	98.97
RE DISCCART	565006	4208494	25.33	98.97
RE DISCCART	565106	4208494	32.82	99.29
RE DISCCART	565206	4208494	38.57	99.29
RE DISCCART	565306	4208494	45.57	99.29
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RE DISCCART	565506	4208494	71.33	99.29
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RE DISCCART	565706	4208494	91.18	99.29
RE DISCCART	565806	4208494	89.7	99.29
RE DISCCART	563606	4208594	32.26	32.26
RE DISCCART	563706	4208594	35.67	35.67
RE DISCCART	563806	4208594	36.67	36.67
RE DISCCART	563906	4208594	36.48	36.48
RE DISCCART	564006	4208594	34.04	34.04
RE DISCCART	564106	4208594	31.67	31.67
RE DISCCART	564206	4208594	33.79	33.79
RE DISCCART	564306	4208594	35.55	35.55
RE DISCCART	564406	4208594	38.38	38.38
RE DISCCART	564506	4208594	38.99	38.99
RE DISCCART	564606	4208594	22.96	80.38
RE DISCCART	564706	4208594	12.36	80.38
RE DISCCART	564806	4208594	15.04	80.38
RE DISCCART	564906	4208594	18.14	53.6
RE DISCCART	565006	4208594	27.14	97.72
RE DISCCART	565106	4208594	22.51	99.29
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RE DISCCART	563606	4208694	27.05	27.05
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RE DISCCART	563806	4208694	30.21	30.21
RE DISCCART	563906	4208694	32.43	32.43
RE DISCCART	564006	4208694	29.76	31.71
RE DISCCART	564106	4208694	31.2	31.2
RE DISCCART	564206	4208694	31.68	31.68
RE DISCCART	564306	4208694	34.71	34.71
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RE DISCCART	564806	4208694	19.62	19.62
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RE DISCCART	565306	4208694	28.82	99.83
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RE DISCCART	563806	4208794	25.89	25.89
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RE DISCCART	564006	4209194	18.47	18.47
RE DISCCART	564106	4209194	21.86	21.86
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OU PLOTFILE 1 PUMPBLR FIRST "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE PERIOD PUMPBLR "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE 1 MAN_SHIP FIRST "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE PERIOD MAN_SHIP "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE 1 MAN_TUG FIRST "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE PERIOD MAN_TUG "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE 1 TRANS_SH FIRST "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE PERIOD TRANS_SH "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE 1 TRANS_TU FIRST "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU PLOTFILE PERIOD TRANS_TU "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.GRF" 31
OU SUMMFILE "T:\Projects\P66 MTIII\ERM New Modeling July 2015\Ships NAD 83_Separate Stacks_SeparateSRCGRPS.SUM"
OU FILEFORM EXP
OU FINISHED