# State of California CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LOS ANGELES REGION 320 West 4th Street, Suite 200, Los Angeles

# FACT SHEET NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FOR THE BOEING COMPANY (Santa Susana Field Laboratory)

NPDES PERMIT NO.: CA0001309 Public Notice No.: 05-068

# **FACILITY MAILING ADDRESS**

The Boeing Company 5800 Woolsey Canyon Road Canoga Park, CA 91304-1148

# **FACILITY LOCATION**

The Boeing Company
Santa Susana Field Laboratory
Top of Woolsey Canyon
Simi Hills, CA 91311
Contact: Paul Costa
(818) 466-8778

I. Public Participation

The California Regional Water Quality Control Board, Los Angeles Region, (Regional Board) will consider, during its January 19, 2006 meeting, the reissuance of waste discharge requirements (WDRs), which serve as a National Pollutant Discharge Elimination System (NPDES) permit to the Boeing Company for the Santa Susana Field Laboratory. As an initial step in the WDR process, the Regional Board staff has developed tentative WDRs. The Regional Board encourages public participation in the WDR adoption process.

#### A. Written Comments

Interested persons are invited to submit written comments concerning the tentative WDRs. Comments should be submitted either in person, or by mail to:

August 28, 2003

Revised: December 19, 2003

Revised: January 14, 2004

Revised: February 27, 2004

Revised: March 25, 2004

Revised: June 22, 2004

Revised: July 1, 2004

Revised: November 30, 2005

Revised: December 19, 2005

Revised: January 9, 2006 Revised: January 19, 2006

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California Regional Water Quality Control Board Los Angeles Region 320 West 4th Street, Suite 200 Los Angeles, CA 90013

Written comments regarding the tentative Order must be received at the Regional Board office by 5:00 p.m. on December 30, 2005, in order to be evaluated by staff and included in the Board's agenda folder.

# B. Public Hearing

The proposed WDRs will be considered by the Regional Board at a public hearing. The hearing is scheduled as follows:

Date:

January 19, 2006

Time:

9:00 A.M.

Location:

City of Simi Valley Council Chambers

2929 Tapo Canyo Road Simi Valley, California

Interested persons are invited to attend. At the public hearing the Regional Board will hear testimony, if any, pertinent to the discharge, WDRs and permit. Oral testimony will be heard; however, for accuracy of the record, important testimony should be in writing.

# C. Waste Discharge Requirements Appeals

Any person may petition State Water Resources Control Board to review the decision of the Regional Board regarding the final Waste Discharge Requirements. The petition must be filed within 30 days of the Regional Board's action to the following address:

State Water Resources Control Board, Office of the Chief Counsel Attn: Elizabeth Miller Jennings, Senior Staff Counsel 1001 I Street, 22<sup>nd</sup> Floor Sacramento, CA 95812

# D. Additional Information and Copies

The Report of Waste Discharge (ROWD), related documents, tentative effluent limitations and special conditions, comments received, and other information are on file and may be inspected at 320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, CA 90013, at any time between 8:30 AM and 4:45 PM, Monday through Friday. Copying of documents may be arranged through the Los Angeles Regional Board by calling (213) 576-6600.

# E. Register Of Interested Persons

Any person interested in being placed on the mailing list for information regarding the WDRs and NPDES permit should contact the Regional Board, reference this facility, and provide a name, address, and phone number.

#### II. Introduction

The Boeing Company (hereinafter Boeing or Discharger) discharges waste from its Santa Susana Field Laboratory under waste discharge requirements, which serve as an NPDES permit, contained in Order No. 98-051 adopted by this Regional Board on June 29, 1998 (NPDES Permit No. CA0001309).

Boeing has filed a report of waste discharge (ROWD) and has applied for renewal of its WDRs and NPDES permit for discharge of wastes to surface waters. Order No. R4-2004-0111 was adopted on July 1, 2004.

This amendment (R4-2006-0008) to Order No R4-2004-0111 (adopted July 1, 2004) is the result of new information incorporated into the Order after one year of compliance and routine monitoring based on Monitoring and Reporting Program (MRP) No. 6027.

#### III. Facility and Waste Discharge Description

The Santa Susana Field Laboratory (SSFL) is located at the top of Woolsey Canyon, in the Simi Hills, CA (Figure 1). The developed portion of the site comprises approximately 1,500 acres. There is 1,200-acres of undeveloped property located to the south. Recently, an additional 150-acre undeveloped land has been purchased to the north of the site. SSFL is owned by both Boeing and the National Aeronautics and Space Administration (NASA). The United States Department of Energy (DOE) also owns several buildings located in Area IV, with the land being under the ownership of Boeing.

Boeing operations at SSFL since 1950 include research, development, assembly, disassembly, and testing of rocket engines, and chemical lasers. DOE conducted past operations in research and development of energy related programs, and seismic testing experiments. Current DOE activities onsite are solely related to facility closure, environmental remediation, and restoration.

SSFL is permitted to discharge excess water from its groundwater treatment system, industrial activities, onsite wastewater reclamation system, and rainfall runoff that has the potential to contain pollutants from the facilities. Approximately 60% of the discharge exits the property via two southerly discharge points (Discharge Outfalls 001 and 002) to Bell Creek, a tributary to the Los Angeles River, a water of the United States, with its confluence located near the intersection of Bassett Street and Owensmouth Avenue in Canoga Park, above the estuary (see Figure 1).

Past operations at the SSFL that may potentially contribute contaminants to discharges from the site include:

- Nuclear Operations, decontamination and decomissioning
- Monomethyl Hydrazine Usage,
- CTL-3 Chemical Laser Testing, and
- Energy Technology Engineering Center (ETEC) Cogeneration Operations.
- Rocket Engine and Component Testing

Nuclear Operations, decontamination and decommissioning: There are currently no programs at the SSFL, which employ special nuclear materials. Current decommissioning activities have reduced the inventory of radioactive waste at the SSFL to approximately 5 curies. Essentially all of this material is stored in shielded vaults located at the Radioactive Materials Handling Facility (RMHF). SSFL continues to utilize radioisotopes in the form of calibration sources which are necessary to calibrate radiation detectors and counting equipment. Periodic radiological monitoring of surface waters is conducted under the existing NPDES permit. Three radiological facilities located in Area IV of the SSFL remain to be decomissioned. Storm water run-off from Area IV of the SSFL is monitored for radioactivity. The Department of Energy (DOE) is responsible for the cost of decontamination and decommissioning, the California Department of Health Services (Radiological Health Branch) has radiological oversight responsibilities at Area IV of the SSFL.

Monomethyl Hydrazine Usage: Monomethyl hydrazine (MMH), a propellant, was used for research, development, and testing of rocket engines at the SSFL since 1955. The MMH, which was generated from testing operations was captured and treated by an ozonation unit under a variance, granted by the Department of Toxic Substances Control (DTSC)-. As a result, MMH was not released to the ponds from this area. MMH is no longer used at the SSFL.

<u>CTL-3 Chemical Laser Testing:</u> CTL-3 Chemical Laser Testing is shutdown for chemical based laser operations and is now only used for limited research and development, with no industrial discharges.

<u>Energy Technology Engineering Center (ETEC) Cogeneration Operations</u>: The facility has been decommissioned and was demolished in July 2003.

Rocket Engine and Component Testing: An engine test consists of a cycle of one to three engine runs lasting one to three minutes each. A test cycle may take one to two weeks to complete. Each engine run results in the use of 50,000 to 200,000 gallons of deluge/cooling water that may come in contact with fuels such as LOX or kerosene and associated combustion products. The frequency of testing varies depending on production requirements but currently one test cycle is completed every one to two months. This operation has significantly decreased over the past year and is likely to shut down completely during the life of this permit.

<u>Current and Future Operations</u>: Since the SSFL is a test facility, it is difficult to anticipate future test projects and possible wastewater generation. Following are descriptions of expected operations:

1. Treatment Under Tiered Permitting Rules. Boeing may explore the feasibility of treating certain waste streams by either a mobile or fixed hazardous waste treatment unit

operating under DTSC Permit-by-Rule requirements. Treated effluent would then be released into the ponds.

2. Unspecified waste streams generated during remediation, cleaning, assembly, testing and support operations at the facility.

Groundwater Remediation: During the early 1950s to the mid-1970s, volatile organic compounds were utilized for the cleaning of hardware and rocket engine thrust chambers, and for the cleaning of other equipment. These solvents migrated into the subsurface, contaminating groundwater primarily with trichloroethylene (TCE) and 1,2-dichloroethylene (1,2-DCE).

As a result, there is now an extensive groundwater remediation/investigation program in progress at the SSFL, which includes pumping, treating and storing groundwater at the facility. Currently, this system is composed of eight treatment systems, five being active and three being inactive, which have the capability of producing up to 578 million gallons per year of groundwater treated to remove the volatile organic compounds. The treatment system is not designed to treat other pollutants such as perchlorate or metals. The chemical treatments used in groundwater treatment operations consist of ultraviolet light and hydrogen peroxide oxidation, carbon adsorption, and the physical treatment consists of air stripping towers. These treatment systems are regulated under Resource Conservation and Recovery Act (RCRA) part A and part B hazardous waste permits by DTSC, and various air quality control permits issued by Ventura County. Future plans to add new wells may increase the volume into the system by 25%. Pumping rates in the future may increase or decrease depending upon the outcome of the groundwater remediation program. In addition, there will also be intermittent pilot projects where test wells will be drilled and groundwater treated to determine optimum locations for future wells. Effluent from the groundwater remediation operations is discharged to the water reclamation system onsite via naturally occurring streambeds and in some cases man made watercourses present onsite.

<u>Sewage Treatment Plants:</u> Two package-type activated sludge sewage treatment plants (STP1 and STP3) provide secondary and tertiary treatment for the sewage. Disinfected sewage effluents from the activated sludge facilities are directed to the ponds. A third activated sludge sewage treatment plant (STP2) is available, but is currently used only as a pump station to STP-3 and as temporary storage of excess sewage. There are no discharges to receiving waters from STP-2.

Operations terminated at STP3 in October 2001 and at STP1 in December 2001. Recently, domestic sewage that had previously been treated at STP1 and STP3 has been diverted offsite. The STP1 and STP3 basins are used as collection points. Every few days, vacuum trucks transport the accumulated waste offsite for treatment. The Discharger has requested that the permit continue to cover potential discharges from these plants, as it may be necessary to bring them back on line in the future.

Water Reclamation System and Discharges: When in operation, effluent discharges from STP1 and STP3, the two sewage treatment plants, subsequently enter an onsite water retention system. The SSFL utilizes a system of natural, unlined and man-made ponds and channels to collect water from onsite operations. Water supplied to the retention system comes from any one or a combination of the following sources: storm water, treated

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groundwater, treated sanitary sewage, rocket engine test cooling water, or domestic water purchased from an established purveyor. The water is stored in a series of 100,000-gallon steel tanks located in Area 2 called Skyline. Water from Perimeter and R-1 ponds may be pumped to the Skyline tanks where it can be transferred to Silvernale Pond. Water purchased from the Calleguas Water District is also stored at Skyline where it is used to cool test stands during engine testing and discharges to Silvernale Pone.

The water reclamation system consists of five ponds (see Figure 2).

R-1 Pond	capacity 3.7 million gallons
Perimeter Pond	capacity 1.3 million gallons
Silvernale Pond	capacity 6.0 million gallons
R2-B Pond	capacity 200,000 gallons
R2-A Pond	capacity 2.5 million gallons

Also shown on Figure 2 in Area 1 is the Coca Pond. This pond was previously used as a retention basin to collect water from the space shuttle main engine testing area. When Coca Pond is filled to capacity, it discharges to the R-2 Pond. The pond is currently used to collect water that may leak from the fire suppression system located in the former test area. If sufficient leaks occur, the pond discharges to R-2.

Area I utilizes the R-1 Pond as a reservoir. Water retained in the R-1 Pond is primarily comprised of storm water. Other sources include effluent from Sewage Treatment Plant 1 and treated groundwater. While this was a water reclamation system in the past, it is currently used as a retention system to minimize discharges.

Storm water collected at the facility is primarily stored at Silvernale Pond and R-2A Pond. As in Area I, the primary source of water stored in the ponds comes from storm water. Other sources include effluent from Sewage Treatment Plant 3, cooling water runoff from test operations and treated groundwater. While this was a water reclamation system in the past, it is currently used as a retention system to minimize discharges. If the supply of reclaimed water exceeds requirements, the water will be discharged to the south through R-2A Pond, and then to Bell Creek through Outfall 002.

The SSFL is underlain by alluvium, weathered bedrock and unweathered bedrock. The alluvium occurs in narrow drainages and alluvial valleys and is underlain by the Chatsworth Formation. The Chatsworth Formation consists of fractured sandstone with interbeds of siltstone and claystone, which can transmit water as well as contaminants.

The groundwater system at the SSFL is divided into two aquifers; the shallow and the deep. The alluvium and weathered bedrock comprise the shallow aquifer, and the unweathered and fractured Chatsworth Formation comprise the deep aquifer.

The groundwater in the shallow aquifer generally reflects surface topography. In April 2002, groundwater depths in the shallow aquifer ranged from approximately 6 feet to 40 feet below grade. Wells in the deeper aquifer, contained groundwater between approximately 23 feet to approximately 520 feet below grade.

In dry weather, ongoing activities were normally sufficient to use the water generated from onsite groundwater treatment systems. However, in recent years this water balance has

changed. Water now being added into the system from the Calleguas Water District, plus the reduction of testing activities, has caused releases from R-2A Pond (located upstream from Outfall 002) to become intermittent. During hot weather, the water released may either evaporate or percolate into the ground before reaching Discharge Outfall 002. Thus, no offsite discharge of water occurs.

The discharges from Outfalls 001 and 002 were characterized in the permit application are as follows:

Flow   MGD   1.5   20			30-Day	Daily
Temperature         Winter (Oct. – April)         °F         57         59.2           Summer (May – September)         °F         71         76.2           pH         pH Units         7.9         8.41           BOD₅20°C         mg/L         6         15           Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         mg/L         ND         ND           Total Alpha         pCi/L          8.9+/-5           Total Radium         pCi/L          8.9+/-5           Total Radium         pCi/L          3.54+/-1           Sulfate as SO₄         mg/L         120         173           Barium         mg/L         0.1         0.1           Barium         mg/L	<u>Constituents</u>	<u>Units</u>	Average <sup>1</sup>	<u>Maximum</u>
Winter (Oct. – April) Summer (May – September)         °F of 71         59.2 of 76.2           pH         pH Units         7.9         8.41           BOD₂20°C         mg/L         6         15           Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         rotal Radium         pCi/L		MGD	1.5	20
Summer (May − September)         °F         71         76.2           pH         pH Units         7.9         8.41           BOD₅20°C         mg/L         6         15           Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         ng/L         ND         ND           Total Alpha         pCi/L				
pH         pH Units         7.9         8.41           BOD <sub>5</sub> 20°C         mg/L         6         15           Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         ng/L         ND         ND           Radioactivity         ng/L          8.9+/-5           Total Alpha         pCi/L          8.9+/-5           Total Beta         pCl/L          20+/-9.1           Total Radium         pCi/L          20+/-9.1           Total Radium         pCi/L          3.54+/-1           Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         0.1         0.1           Barium         mg/L         0.0         0.		3 -		1
BOD₅20°C         mg/L         6         15           Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         ng/L         ND         ND           Total Alpha         pCi/L				
Total suspended solids         mg/L         15         62           Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         ND         ND         ND           Total Alpha         pCi/L		<del></del>	· <del>[</del>	
Total organic carbon         μg/L         7.4         18           Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         Total Alpha         pCi/L		mg/L		<u> </u>
Total residual chlorine         mg/L         ND         ND           Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         mg/L         ND         ND           Total Alpha         pCi/L          8.9+/-5           Total Beta         pCi/L          20+/-9.1           Total Radium         pCi/L          3.54+/-1           Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.09         0.22           Manganese         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         ND         ND           Beryllium         mg/L         ND         ND           Chromiu		mg/L		
Fluoride         mg/L         0.4         0.7           Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         pCi/L          8.9+/-5           Total Alpha         pCi/L          20+/-9.1           Total Beta         pCi/L          3.54+/-1           Total Radium         pCi/L          3.54+/-1           Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.09         0.22           Manganese         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         ND         ND           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Tota	Total organic carbon	μg/L	7.4	18
Nitrate         mg/L         0.42         1.1           Oil and grease         mg/L         ND         ND           Radioactivity         Total Alpha         pCi/L         ———————————————————————————————————	Total residual chlorine		ND	ND
Oil and grease         mg/L         ND         ND           Radioactivity         pCi/L          8.9+/-5           Total Alpha         pCi/L          20+/-9.1           Total Radium         pCi/L          3.54+/-1           Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         ND         ND           Nickel         mg/L         ND         ND           Nickel	Fluoride	mg/L	0.4	
Radioactivity       Total Alpha       pCi/L	Nitrate	mg/L	0.42	1.1
Total Alpha         pCi/L	Oil and grease	mg/L	ND	ND
Total Beta Total Radium         pCI/L PC	Radioactivity			
Total Radium         pCi/L          3.54+/-1           Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Total Alpha	pCi/L		
Sulfate as SO <sub>4</sub> mg/L         120         173           Surfactants         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Total Beta	pCI/L	***	1
Surfactants         mg/L         0.1         0.1           Barium         mg/L         17         90           Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Total Radium	pCi/L	-	<u> </u>
Barium         mg/L         17         90           Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4		mg/L		
Boron         mg/L         0.11         0.36           Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Surfactants	mg/L	L	<del></del>
Iron         mg/L         0.09         0.22           Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Barium	mg/L	1	
Manganese         mg/L         51.6         170           Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Boron	mg/L	0.11	
Antimony         mg/L         2.8         5.7           Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Iron	mg/L	0.09	
Arsenic         mg/L         6.5         11           Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Manganese	mg/L		
Beryllium         mg/L         ND         ND           Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Antimony	mg/L	2.8	5.7
Cadmium         mg/L         ND         ND           Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Arsenic	mg/L	6.5	11
Chromium, Total         mg/L         7.7         10           Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Beryllium	mg/L	ND	ND
Copper, Total         mg/L         5.2         15           Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Cadmium	mg/L	ND	ND
Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Chromium, Total	mg/L	7.7	10
Lead, Total         mg/L         1.6         3.5           Mercury, Total         mg/L         ND         ND           Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Copper, Total	mg/L	5.2	15
Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4		mg/L	1.6	3.5
Nickel         mg/L         2         2           Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4	Mercury, Total		ND	ND
Selenium²         mg/L         2.1         2.1           Silver²         mg/L         1.2         1.4			2	2
Silver <sup>2</sup> mg/L         1.2         1.4	Selenium <sup>2</sup>		2.1	2.1
			1.2	1.4
ZIIC   IIIQ/L   20   OU	Zinc	mg/L	28	80

<sup>&</sup>lt;sup>1</sup> The maximum of the value presented for Discharge No. 001 or Discharge No. 002.

<sup>&</sup>lt;sup>2</sup> This analyte was reported ND at Discharge No. 001. The values reported were for Discharge No. 002.

Other priority pollutants were reported as not detected or not believed to present in the discharge in the application.

Discharges from the groundwater treatment systems, the engine test stands and the water reclamation ponds located onsite in most cases enter naturally occurring drainage channels. Some of these channels are unlined, but portions of many of them have been lined or the flow is transported using piping to a natural drainage channel. Since the wastewater enters natural water transport channels onsite, these channels are considered waters of the United States and are thus subject to the Clean Water Act. These onsite natural drainage channels are tributaries to Bell Creek, hence limits for discharges to them must protect the beneficial uses for discharges to Bell Creek and the downstream reaches of the Los Angeles River. Similarly, because certain natural drainage channels are unlined and groundwater recharge is a designated beneficial use in Bell Creek and its tributaries, limits for discharges to the channels must protect the underlying beneficial uses of the groundwater.

Many of the areas discharging wastewater to the drainage areas and streambeds are associated with RCRA activities that are being directed by DTSC. The RCRA activities at the site include Post Closure Permits and investigation and corrective action oversight of contaminated areas. The Post Closure Permits cover the operation of the groundwater treatments systems. The investigation and corrective action oversight includes the site characterization and delineation of areas of contamination as well as subsequent cleanup operations at areas of concern onsite.

The 1995 Final SB 1082 Framework which was issued on December 14, 1995 documents the framework for implementing Health and Safety Code Section 25204.6(b) dealing with jurisdictional overlap between the DTSC and the Regional Water Quality Control Boards (RWQCBs). SB 1082 requires that "sole jurisdiction over the supervision of that action [meaning oversight of those corrective action activities] is vested in either the department or the State Water Resources Control Board and the California Regional Water Quality Control Boards." Since many of the identified wastewater sources are currently involved in the RCRA corrective action or the Post Closure Permits with DTSC as the oversight agency, consistent with RCRA, DTSC will ensure that the discharges from these operations through the RCRA permitting process meet the substantive Clean Water Act requirements. Regional Board staff will provide appropriate comments during the revision of RCRA permit to ensure the Clean Water Act, Porter-Cologne Act, and the Basin Plan requirements are met. However, at all time, the final downstream Outfalls 001 and 002 will be regulated by the accompanying NPDES permit and will implement relevant water quality standards.

There are several other operations that are ongoing which are not included in the RCRA corrective action that discharge wastewater to the onsite drainageways and streambeds. This NPDES permit will cover these activities.

The operation evaluated at SSFL and the agency (Regional Board or DTSC) with primary oversight authority and the NPDES outfall number associated with the operation if the Regional Board has oversight are listed below Figure 3.

	Operation	NPDES Outfall No.	Agency
1.	Wastewater and Storm water runoff	001	RWQCB
2.	Wastewater and storm water runoff	002	RWQCB
3.	Storm water Radioactive Material	<del></del>	
0.	Handling Facility	003	RWQCB
4.	Storm water Sodium Reactor Exp.	004	RWQCB
5.	Storm water Sodium Burn Pit 1	005	RWQCB
6.	Storm water Sodium Burn Pit 2	006	RWQCB
7.	Storm water Building 100	007	RWQCB
8.	Storm water Happy Valley	008	RWQCB
9.	Storm water WS-13 Drainage	009	RWQCB
10.	Storm water Building 203	010	RWQCB
11.	R-1 Pond		DTSC
12.	Perimeter Pond	011	RWQCB
13.	R-2 Ponds (R-2A and R-2B)	Appr view 4490 state 4465	DTSC
14.	R-2 Spillway	018	RWQCB
15.	Silvernale Pond	the site of the Mile	DTSC
16.	Alfa Test Stand	012	RWQCB
17.	Bravo Test Stand	013	RWQCB
18.	WS-5 Groundwater Treatment Syste	m	
	(GWTS)		DTSC
19.	RD-9 GWTS		DTSC
20.	Alfa GWTS		DTSC
21.	Delta GWTS		DTSC
22.	STLV-IV GWTS		DTSC
23.	Interim GWTS near FSDF	data and that also had	DTSC
24.	Interim GWTS near Bldg 59	40.00 100 000 400.	DTSC
25.	Interim GWTS near RMHF	*** *** *** *** ***	DTSC
26.	APTF	014	RWQCB
27.	STP-1 – effluent	015	RWQCB
28.	STP-2 – effluent	016	RWQCB
29.	STP-3 – effluent	017	RWQCB

#### **Storm Water Discharges**

In 1989, EPA conducted an investigation and submitted a report on SSFL environmental issues. The report specified under the recommended and planned actions that the Regional Board was to use the Clean Water Act to ensure run-off from the northwest side of Area IV was not contaminated. In response to the request, Rocketdyne developed a surface water monitoring program for the northwest slope area that was subsequently approved by EPA and implemented.

The topography of the SSFL is such that approximately 60% of rainfall runoff is routed to one of the two southerly-located retention ponds and is discharged from the site via Discharge Outfalls 001 or 002. Storm water runoff from the northwest slope of the facility is monitored at Discharge Outfalls 003, 004, 005, 006, and 007 which discharge towards the Arroyo Simi. The outfall locations near the Northwest slope are located such that they capture runoff from past and existing radiological facilities.

Discharge Outfall	Latitude (North)	Longitude (West)	<u>Vicinity</u>
003 (RMHF)	34° 14′ 4.0"	118° 42' 38.4"	Radioactive Materials
			Handling Facility
004 (SRE)	34° 14' 9.1"	118° 42' 23.9"	Sodium Reactor Experiment
005 (SBP-1)	34° 13' 48.1"	118° 43' 3.9"	Sodium Burn Pit 1
006 (SBP 2)	34° 13' 50.7"	118° 42' 59.9"	Sodium Burn Pit 2
007 (B100)	34° 13' 50.2"	118° 42' 52.5"	Building 100

The samples collected are analyzed for radioactivity and for a number of other priority pollutants that may be present.

There is one more storm water monitoring location Discharge Outfall 008 (formerly referred to as Happy Valley and Happy Valley 1). This outfall captures runoff from an area that has previously been used for operations that involved perchlorate and monitoring events have yielded detections of perchlorate in the storm water runoff. Storm water from Happy Valley flows to Dayton Canyon Creek. The flow from Dayton Canyon Creek joins Chatsworth Creek , which flows south to Bell Creek southwest of the intersection of Shoup Avenue and Sherman Way. Bell Creek flows east to the Los Angeles River. This permit implements effluent limits for conventional pollutants and perchlorate at Outfall 008. Monitoring for the emergent chemicals and EPA priority pollutants except asbestos is also required.

A second Happy Valley sample location (referred to as Happy Valley 2) has been monitored during the past year. The samples in most cases yielded nondetect at Happy Valley 2 while samples collected during the same rain event yielded detections of perchlorate. However on May 3, 2003 samples collected from Happy Valley 1 (Discharge Outfall 008) was nondetect for perchlorate. The sample collected from Happy Valley 2 collected on that date resulted in a perchlorate concentration of 4.6  $\mu$ g/L. The nondetect at 4  $\mu$ g/L and the detected concentration of 4.6  $\mu$ g/L may represent very similar concentrations.

During the 2002-2003 rain seasons, 2 locations were sampled in the Happy Valley area. Happy Valley 1 is the location agreed upon with the Regional Board in 1999. Happy Valley 2 is a location approximately 1500 feet downstream of Happy Valley 1. During the 2002-2003 storm season, Happy Valley 1 had frequent detections of perchlorate while Happy Valley 2 had consistently non-detected for perchlorate. However, on May 3, 2003, a detection of 4.6  $\mu$ g/L was detected at Happy Valley 2 while the sample at Happy Valley 1 was non-detected at a 4.0  $\mu$ g/L detection limit. As the concentration of 4.6  $\mu$ g/L is very close to the laboratory detection limit of 4.0  $\mu$ g/L, it is assumed that the two samples represent similar concentrations.

The objective of this Order is to protect the beneficial uses of receiving waters. To meet this objective, storm water runoff discharges from the SSFL are subject to requirements stipulated in this NPDES permit and the Discharger will be required to comply with all applicable provisions of the Storm Water Pollution Prevention Plan (Attachment A of the Order). This plan includes requirements to develop, implement, and when appropriate update a Storm Water Pollution Prevention Plan (SWPPP) along with Best Management Practices (BMPs) that will prevent all pollutants from contacting storm water and with the intent of keeping all contaminants of concern from moving into receiving waters.

Storm water sampling events during 1999, 2000 and 2001 yielded exceedances of existing effluent limitations for several contaminants of concern. These effluent violations indicate that the implementation of best management practices (BMPs) to control the transport of contaminants off site were not effective. Previous attempts to utilize BMPs to control the transport of contaminants offsite have proven ineffective as is demonstrated by the effluent limitation exceedances noted from Outfalls 003 through 007 on page 11 of the Fact Sheet (in the Compliance History Section). Storm water run off exiting the northern boundary of the site travels via Meir and Runkle Canyons to the Arroyo Simi, a tributary of Calleguas Creek. Hence, this Order includes effluent limits for the storm water discharges from the site for priority pollutants with reasonable potential.

Recent site inspections resulted in the identification of two other storm water monitoring locations:

	WS-13 Drainage Area	Discharge Outfall 009
•	Building 203	Discharge Outfall 010

Storm water runoff from the area that drains to discharge points 001, and 002 is estimated at 201 million gallons per day (MGD) (based on a 24-hour duration, 10-year return storm). This runoff is mixed with industrial waste collected in the ponds prior to discharge. Discharges from Outfall 008 are composed solely of storm water runoff.

The estimated flow from the area that drains storm water only from the northwest slope and discharges it via discharge points 003, 004, 005, 006, 007, 009 and 010 and via various drainage channels into Meir, Runkle and Woolsey Canyons is 71 MGD. (Figure 2).

The locations and the associated drainage areas are listed below for each of the seven storm water only discharge locations:

Discharge Outfall	Latitude (North)	Longitude (West)	Vicinity
003 (RMHF)	34° 14' 4.0"	118° 42' 38.4"	Radioactive Materials Handling Facility
004 (SRE)	34° 14' 9.1"	118° 42' 23.9"	Former Sodium Reactor Experiment
005 (SBP-1)	34° 13' 48.1"	118° 43' 3.9"	Former Sodium Burn Pit 1
006 (SBP 2)	34° 13' 50.7"	118° 42' 59.9"	Former Sodium Burn Pit 2
007 (B100)	34° 13' 50.2"	118° 42' 52.5"	Building 100
009(WS-13)	Not Available	Not Available	WS-13 Drainage Area
010(Bldg. 203)	Not Available	Not Available	Building 203

There is no flow from these locations except during heavy rainfall. For purposes of access and safety, these sampling stations have been established inside the SSFL northwest property boundary. The stations are located in close proximity to past and/or existing radiological facilities or other operations, as is noted in the vicinity column above.

Storm water from APTF flows toward Bell Creek and the Los Angeles River. Current operations at the facility have shut down. Past operations include small engine testing using kerosene (RP-1), hydrogen, potentially alcohol, methanol, peroxide, and liquid

oxygen (LOX). Nitrogen is also used for purge gas. After testing the staging areas are not routinely washed down to remove residual contaminants from the test operations. During normal operations testing may occur during storm events.

It is likely that contaminants associated with the engine test material would be present in the storm water runoff from the area. Hence, this permit requires that the storm water runoff from the area be monitored. If the monitoring data indicates reasonable potential, the permit will be reopened and effluent limitations will be implemented. The Discharger has indicated that the standard operating procedures for the area in the future will include washdowns of the staging areas after engine tests. The water associated with the washdown will be collected and disposed of offsite. If testing operations are required during storm events, the Discharger will collect the storm water runoff from the staging area for offsite disposal. If washdowns do not occur after test operations or if testing occurs during storm events and the water is not collected for offsite disposal, the Discharger will be required to sample it as stipulated for other storm water monitoring locations.

# **Compliance History**

An audit of the file revealed several exceedances of the effluent limits prescribed in Order No. 98-051. The Table below lists the exceedances and/or potential exceedances noted in the self-monitoring reports submitted by the Discharger. The contaminant, effluent limit, detected value and date of detection is recorded for each exceedance in the table that follows. The table also includes footnote references to describe the disposition of each violation.

Footnote	Outfall	Contaminant	Effluent Limit	Detected	Date of
	Number		(units)	Value	Exceedance
1	002	Total Suspended Solids	15 mg/L	21	08/31/1998
2	005	Mercury	0.012 μg/L	0.2	11/30/1998
10	STP1	Turbidity	2 NTU	3.1	10/13/1998
3	STP1	Turbidity	2 NTU	2.2	10/14/1998
3	STP1	Turbidity	2 NTU	2.3	11/10/1998
3	STP1	Turbidity	2 NTU	2.3	11/11/1998
3	STP1	Turbidity	2 NTU	2.4	11/24/1998
4	001	Manganese	50 μg/L	120	05/11/1999
4	001	Manganese	50 μg/L	60	05/20/1999
4	001	Manganese	50 μg/L	90	05/21/1999
4	001	Manganese	50 μg/L	110	05/24/1999
4	001	Manganese	50 μg/L	70	05/25/1999
2	004	Mercury	0.012 μg/L	0.26	02/09/1999
10	005	Antimony	6 μg/L	8	02/08/1999
10	005	Antimony	6 μg/L	7	02/09/1999
10	005	Antimony	6 μg/L	7	01/20/1999
5	005	Mercury	0.012 μg/L	8.04	11/08/1999

Number   Copper   11 μg/L   14   11/08/1999	Footnote	Outfall	Contaminant	Effluent Limit	Detected	Date of
2         006         Mercury         0.012 μg/L         0.45         02/09/1999           10         007         Antimony         6 μg/L         8         02/09/1999           10         007         Antimony         6 μg/L         11         03/25/1999           10         007         Cadmium         3.7 μg/L         4         03/25/1999           9         003         Mercury         0.012 μg/L         0.025         2/00           9         004         Mercury         0.012 μg/L         0.87         2/00           9         005         Mercury         0.012 μg/L         0.17         2/00           9         006         Mercury         0.012 μg/L         0.17         2/00           9         007         Copper         11 μg/L         13         2/00           9         007         Mercury         0.012 μg/L         0.055         2/00           9         STP III         BOO <sub>5</sub> >85 % removal         71.6         2/00           9         STP III         Total coliform         2.2 MPN/100 mL         60         2/00           9         STP III         Total coliform         2.2 MPN/100 mL         60	40		10	<del>aanakaanakaan markaalaan ka </del>		
10			····•	***************************************		
10	L		3			
10						
9   003   Mercury   0.012 μg/L   2.3   2/00     9   004   Mercury   0.012 μg/L   2.3   2/00     9   005   Mercury   0.012 μg/L   0.87   2/00     9   006   Mercury   0.012 μg/L   0.17   2/00     9   007   Copper   11 μg/L   13   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   STP III   BOD <sub>S</sub>   >85 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   002   TSS   15 mg/L   20   6/00     9   002   TSS   15 mg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   002   Thallium   2.0 μg/L   3.2   3/5/00     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   4.1   2/8/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   14   2/27/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   14   2/27/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   3.0   8/18/98     6   STP III   Turbidity   2 NTU   3.0   8/18/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.2   9/22/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   5.5   12/05/98						03/25/1999
9 004 Mercury 0.012 μg/L 0.87 2/00 9 005 Mercury 0.012 μg/L 0.87 2/00 9 006 Mercury 0.012 μg/L 0.17 2/00 9 007 Copper 11 μg/L 13 2/00 9 007 Mercury 0.012 μg/L 0.055 2/00 9 STP III BOD <sub>5</sub> >85 % removal 71.6 2/00 9 STP III Total coliform 2.2 MPN/100 mL 60 2/00 9 STP III Total coliform 2.2 MPN/100 mL 60 2/00 9 STP III Total coliform 2.2 MPN/100 mL 60 2/00 9 STP III Total coliform 2.2 MPN/100 mL 60 2/00 9 002 TSS 15 mg/L 20 6/00 9 002 TSS 15 mg/L 3.6 1/25/00 9 005 Mercury 2.1 μg/L 3.6 1/25/00 9 005 Thallium 2.0 μg/L 3.2 3/5/00 9 005 Thallium 2.0 μg/L 3.2 3/5/00 9 006 Oil and Grease 15 mg/L 30.5 3/6/00 9 002 TSS 15 mg/L 4.1 2/8/01 9 005 (NO <sub>2</sub> + NO <sub>3</sub> ) as N 8.0 μg/L 4.1 2/8/01 9 005 (NO <sub>2</sub> + NO <sub>3</sub> ) as N 8.0 μg/L 14 2/27/01 9 005 (NO <sub>2</sub> + NO <sub>3</sub> ) as N 8.0 μg/L 14 2/27/01 6 STP III Turbidity 2 NTU 2.6 8/14/98 6 STP III Turbidity 2 NTU 2.6 8/17/98 6 STP III Turbidity 2 NTU 3.0 8/18/98 6 STP III Turbidity 2 NTU 3.0 8/18/98 6 STP III Turbidity 2 NTU 3.0 8/26/98 6 STP III Turbidity 2 NTU 3.0 9/04/98 6 STP III Turbidity 2 NTU 3.9 9/12/98 6 STP III Turbidity 2 NTU 3.9 11/24/98 6 STP III Turbidity 2 NTU 3.9 11/24/98 6 STP III Turbidity 2 NTU 3.9 11/24/98 6 STP III Turbidity 2 NTU 5.5 12/05/98 6 STP III Turbidity 2 NTU 5.5 12/05/98 6 STP III Turbidity 2 NTU 7.5 12/06/98 6 STP III Turbidity 2 NTU 7.5 12/06/98 6 STP III Turbidity 2 NTU 7.5 12/06/98	<u></u>					03/25/1999
9   005   Mercury   0.012 μg/L   0.87   2/00     9   006   Mercury   0.012 μg/L   0.17   2/00     9   007   Copper   11 μg/L   13   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   STP III   BOD <sub>5</sub>   >88 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   002   TSS   15 mg/L   20   6/00     9   002   TSS   15 mg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Thallium   2.0 μg/L   3.2   3/5/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   002   Thallium   2.0 μg/L   4.1   2/8/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   14   2/27/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.8   8/21/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.2   9/22/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   3.9   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   10/02/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   3.9   11/26/98     6   STP III   Turbidity   2 NTU   5.5   12/06/98     6   STP III   Turbidity   2 NTU   5.5   12/06/98     6   STP III   Turbidity   2 NTU   5.5   12/06/98			~	0.012 μg/L	0.025	2/00
9   006   Mercury   0.012 μg/L   0.17   2/00     9   007   Copper   11 μg/L   13   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   STP III   BOD <sub>5</sub>   >85 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   002   TSS   15 mg/L   20   6/00     9   002   TSS   15 mg/L   16   9/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Thallium   2.0 μg/L   3.2   3/5/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   002   Thallium   2.0 μg/L   4.1   2/8/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   4.1   2/27/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   3.0   8/18/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   9/04/98     6   STP III   Turbidity   2 NTU   3.0   9/04/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   5.5   12/05/98     6   STP III   Turbidity   2 NTU   5.5   12/05/98     6   STP III   Turbidity   2 NTU   5.5   12/05/98			Mercury	0.012 μg/L	2.3	2/00
9   007   Copper   11 μg/L   13   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   STP III   BOD <sub>5</sub>   >85 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   002   TSS   15 mg/L   20   6/00     9   002   TSS   15 mg/L   16   9/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Thallium   2.0 μg/L   3.2   3/5/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   007   Thallium   2.0 μg/L   4.1   2/8/01     9   008   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   4.1   2/8/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98	9	005	Mercury	0.012 μg/L	0.87	2/00
9   007   Copper   11 μg/L   13   2/00     9   007   Mercury   0.012 μg/L   0.055   2/00     9   STP III   BOD <sub>5</sub>   >85 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   002   TSS   15 mg/L   20   6/00     9   002   TSS   15 mg/L   16   9/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Thallium   2.0 μg/L   3.2   3/5/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   002   Thallium   2.0 μg/L   4.1   2/8/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   4.1   2/27/01     9   005   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/18/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   2.8   8/21/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/28/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   9/04/98     6   STP III   Turbidity   2 NTU   3.0   9/04/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   5.5   12/05/98	9	006	Mercury	0.012 μg/L	0.17	2/00
9   STP III   BOD <sub>5</sub>   >85 % removal   71.6   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   STP III   Total coliform   2.2 MPN/100 mL   60   2/00     9   O02   TSS   15 mg/L   20   6/00     9   O02   TSS   15 mg/L   16   9/00     9   O05   Mercury   2.1 μg/L   3.6   1/25/00     9   O05   Thallium   2.0 μg/L   3.2   3/5/00     9   O05   Thallium   2.0 μg/L   3.2   3/5/00     9   O05   Thallium   2.0 μg/L   3.0.5   3/6/00     9   O05   Thallium   2.0 μg/L   3.0.5   3/6/00     9   O05   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   4.1   2/8/01     9   O05   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   14   2/27/01     9   O05   (NO <sub>2</sub> + NO <sub>3</sub> ) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/17/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   2.8   8/21/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.3   9/24/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   3.9   11/24/98     6   STP III   Turbidity   2 NTU   2.8   10/02/98     6   STP III   Turbidity   2 NTU   2.8   10/02/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   5.5   12/06/98     6   STP III   Turbidity   2 NTU   5.5   12/06/98     6   STP III   Turbidity   2 NTU   5.5   12	9	007	Copper		13	2/00
STP III   BOD <sub>5</sub>   >85 % removal   71.6   2/00	9	007	Mercury		0.055	
STP	9	STP III	······································			
9         STP III         Total coliform         2.2 MPN/100 mL         60         2/00           9         002         TSS         15 mg/L         20         6/00           9         002         TSS         15 mg/L         16         9/00           9         005         Mercury         2.1 μg/L         3.6         1/25/00           9         005         Mercury         2.0 μg/L         3.2         3/5/00           9         006         Oil and Grease         15 mg/L         30.5         3/8/00           9         002         Thallium         2.0 μg/L         4.1         2/8/01           9         005         (NO <sub>2</sub> + NO <sub>3</sub> ) as N         8.0 μg/L         14         2/27/01           9         005         (NO <sub>2</sub> + NO <sub>3</sub> ) as N         8.0 μg/L         8.4         3/7/01           6         STP III         Turbidity         2 NTU         2.6         8/14/98           6         STP III         Turbidity         2 NTU         3.0         8/18/98           6         STP III         Turbidity         2 NTU         3.0         8/24/98           6         STP III         Turbidity         2 NTU         3.0         8/	9	STP III	Total coliform			<del></del>
9         002         TSS         15 mg/L         20         6/00           9         002         TSS         15 mg/L         16         9/00           9         005         Mercury         2.1 μg/L         3.6         1/25/00           9         005         Marcury         2.0 μg/L         3.2         3/5/00           9         006         Oil and Grease         15 mg/L         30.5         3/8/00           9         002         Thallium         2.0 μg/L         4.1         2/8/01           9         005         (NO₂ + NO₃) as N         8.0 μg/L         4.1         2/27/01           9         005         (NO₂ + NO₃) as N         8.0 μg/L         8.4         3/7/01           6         STP III         Turbidity         2 NTU         2.6         8/14/98           6         STP III         Turbidity         2 NTU         3.0         8/18/98           6         STP III         Turbidity         2 NTU         2.6         8/20/98           6         STP III         Turbidity         2 NTU         3.0         8/24/98           6         STP III         Turbidity         2 NTU         3.0         8/24/98 </td <td>9</td> <td>STP III</td> <td>Total coliform</td> <td></td> <td></td> <td></td>	9	STP III	Total coliform			
9   002   TSS   15 mg/L   16   9/00     9   005   Mercury   2.1 μg/L   3.6   1/25/00     9   005   Thallium   2.0 μg/L   3.2   3/5/00     9   006   Oil and Grease   15 mg/L   30.5   3/8/00     9   002   Thallium   2.0 μg/L   4.1   2/8/01     9   005   (NO₂ + NO₃) as N   8.0 μg/L   14   2/27/01     9   005   (NO₂ + NO₃) as N   8.0 μg/L   8.4   3/7/01     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/14/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   2.6   8/20/98     6   STP III   Turbidity   2 NTU   2.8   8/21/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/24/98     6   STP III   Turbidity   2 NTU   3.0   8/25/98     6   STP III   Turbidity   2 NTU   3.0   9/04/98     6   STP III   Turbidity   2 NTU   3.2   9/22/98     6   STP III   Turbidity   2 NTU   3.2   9/22/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   9/23/98     6   STP III   Turbidity   2 NTU   2.8   9/24/98     6   STP III   Turbidity   2 NTU   2.8   9/24/98     6   STP III   Turbidity   2 NTU   3.3   10/01/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.8   11/23/98     6   STP III   Turbidity   2 NTU   2.9   11/25/98     6   STP III   Turbidity   2 NTU   3.3   12/07/98     6   STP III   Turbidity   2 NTU   3.3   12/07/98     6   STP III   Turbidity   2 NTU   3.3   12/07/98	9	002	TSS			
9       005       Mercury       2.1 μg/L       3.6       1/25/00         9       005       Thallium       2.0 μg/L       3.2       3/5/00         9       006       Oil and Grease       15 mg/L       30.5       3/8/00         9       002       Thallium       2.0 μg/L       4.1       2/8/01         9       005       (NO2 + NO3) as N       8.0 μg/L       14       2/27/01         9       005       (NO2 + NO3) as N       8.0 μg/L       8.4       3/7/01         6       STP III       Turbidity       2 NTU       2.6       8/14/98         6       STP III       Turbidity       2 NTU       2.6       8/17/98         6       STP III       Turbidity       2 NTU       3.0       8/18/98         6       STP III       Turbidity       2 NTU       2.6       8/20/98         6       STP III       Turbidity       2 NTU       3.0       8/24/98         6       STP III       Turbidity       2 NTU       3.0       8/25/98         6       STP III       Turbidity       2 NTU       3.0       9/04/98         6       STP III       Turbidity       2 NTU       3.2	9	002	TSS			
9       005       Thallium       2.0 μg/L       3.2       3/5/00         9       006       Oil and Grease       15 mg/L       30.5       3/8/00         9       002       Thallium       2.0 μg/L       4.1       2/8/01         9       005       (NO₂ + NO₃) as N       8.0 μg/L       14       2/27/01         9       005       (NO₂ + NO₃) as N       8.0 μg/L       8.4       3/7/01         6       STP III       Turbidity       2 NTU       2.6       8/14/98         6       STP III       Turbidity       2 NTU       2.6       8/17/98         6       STP III       Turbidity       2 NTU       3.0       8/18/98         6       STP III       Turbidity       2 NTU       2.6       8/20/98         6       STP III       Turbidity       2 NTU       3.0       8/24/98         6       STP III       Turbidity       2 NTU       3.0       8/25/98         6       STP III       Turbidity       2 NTU       3.0       8/25/98         6       STP III       Turbidity       2 NTU       3.2       9/23/98         6       STP III       Turbidity       2 NTU       2.8	9	005	Mercury			
9 006 Oil and Grease 15 mg/L 30.5 3/8/00 9 002 Thallium 2.0 μg/L 4.1 2/8/01 9 005 (NO <sub>2</sub> + NO <sub>3</sub> ) as N 8.0 μg/L 14 2/27/01 9 005 (NO <sub>2</sub> + NO <sub>3</sub> ) as N 8.0 μg/L 8.4 3/7/01 6 STP III Turbidity 2 NTU 2.6 8/14/98 6 STP III Turbidity 2 NTU 3.0 8/18/98 6 STP III Turbidity 2 NTU 2.6 8/20/98 6 STP III Turbidity 2 NTU 2.6 8/20/98 6 STP III Turbidity 2 NTU 3.0 8/18/98 6 STP III Turbidity 2 NTU 2.8 8/21/98 6 STP III Turbidity 2 NTU 3.0 8/24/98 6 STP III Turbidity 2 NTU 3.0 8/24/98 6 STP III Turbidity 2 NTU 3.0 8/24/98 6 STP III Turbidity 2 NTU 3.0 8/25/98 6 STP III Turbidity 2 NTU 3.0 8/25/98 6 STP III Turbidity 2 NTU 3.0 9/04/98 6 STP III Turbidity 2 NTU 3.2 9/22/98 6 STP III Turbidity 2 NTU 3.2 9/22/98 6 STP III Turbidity 2 NTU 2.8 9/23/98 6 STP III Turbidity 2 NTU 2.8 9/23/98 6 STP III Turbidity 2 NTU 2.8 9/23/98 6 STP III Turbidity 2 NTU 3.3 10/01/98 6 STP III Turbidity 2 NTU 3.9 11/25/98 6 STP III Turbidity 2 NTU 3.9 11/25/98 6 STP III Turbidity 2 NTU 3.9 11/25/98 6 STP III Turbidity 2 NTU 2.9 11/25/98 6 STP III Turbidity 2 NTU 2.9 11/25/98 6 STP III Turbidity 2 NTU 3.9 11/25/98 6 STP III Turbidity 2 NTU 5.5 12/05/98 6 STP III Turbidity 2 NTU 7.5 12/06/98 6 STP III Turbidity 2 NTU 7.5 12/06/98	9	005	Thallium		3.2	
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6         STP III         Turbidity         2 NTU         5.5         12/05/98           6         STP III         Turbidity         2 NTU         7.5         12/06/98           6         STP III         Turbidity         2 NTU         3.3         12/07/98	***************************************	***************************************				
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, o por paumium pr 14 (03/31/99	6	007	Cadmium	1	4	03/31/99
7 001 Iron 0.3 mg/L 0.67 2/12/03	7	001		0.3 mg/L	ļ	· · · · · · · · · · · · · · · · · · ·

Footnote	Outfall Number	Contaminant	Effluent Limit (units)	Detected Value	Date of Exceedance
7	002	Iron	0.3 mg/L	0.7	2/12/03
8	001	MBAS	0.5 mg/L	2	5/03/03

- 1. The detected value should be adjusted Discharger sampled seven additional days during the month for a monthly average of 21 mg/L. The value of 16 mg/L on 08/06/98 was only one sample.
- 2. These violations should not be included The method detection limit (MDL) used by the discharger is higher than the permit limit, the permit allows for the use of a PQL in place of the permitted monthly average limit. Per the permit the PQL for this limits was calculated by taking the Permittees' MDL (0.2 μg/L) and multiplying by a factor of 10 (due to the fact that Hg is a non-carcinogen).
- 3. These violations should not be included The daily average permit limit for turbidity is 2 NTUs. For consistency purposes the Enforcement Unit uses the following guideline: since the permit limit is only shown with one significant figure, the Permittees' results are rounded to one significant figure.
- 4. These identified violations should not be included The Permittee stated that no flow occurred from Outfall 001 during the month of May. The Permittee took samples although no wastewater was discharged from Outfall 001.
- 5. This violation should not be included Additional analyses were performed on the same sample within the holding time for Hg. The results varied from 8.04  $\mu$ g/L to 0.2  $\mu$ g/L.
- 6. **These identified violations should be included** Additional violations identified by the Enforcement Unit.
- 7. **This violation should not be included** Additional analyses were performed on the same samples, which yielded results consistent with historical findings and below the specified limit.
- 8. **This violation should not be included** The discharger has a letter from the laboratory indicating that an inappropriate method was used to analyze the sample. A subsequent analysis of the sample yielded a nondetect result at 0.1 mg/L.
- 9. This violation was included The NOV issued June 27, 2001 included this violation.
- 10. **This violation was included** The NOV issued February 6, 2004 included this violation.

A Notice of Violation (NOV) was issued for exceedances occurring after January 2000 on June 27, 2001 and SSFL provided additional information. A revised NOV was issued on October 19, 2001 and the Administrative Civil Liability complaint was issued on April 29, 2002. The Discharger completed the stipulated requirements on October 9, 2002.

On February 6, 2004 a NOV was issued for the violations identified in the table that occurred prior to January 2000, and subsequent to the previously mentioned NOV that have not been adequately addressed by the Discharger.

Order No. R4-2004-0111 was adopted on July 1, 2004 and implemented effluent limits that are more stringent than those from Order 98-051. Since the adoption of the permit, the Discharger has reported the following effluent exceedances.

OUTFALL#	DATE	CONSTITUENT	REPORTED VALUE	PERMIT LIMIT	UNITS
002	12/28/04	Hg	0.21	0.10	µg/L
002	12/28/04	TCDD	3.7E-08	2.8E-08	µg/L
002	12/31/04	Hg	0.32	0.10	µg/L
003	10/17/04	pH	9.13	6.5-8.5	pH units
003	10/17/04	TCDD	8.51E-06	2.8E-08	μg/L
003	12/05/04	TCDD	4.50E-08	2.8E-08	µg/L
004	10/17/04	Cu	15.0	14.0	µg/L
004	10/17/04	TCDD	7.08E-05	2.8E-08	μg/L
005	10/17/04	TCDD	3.32E-06	2.8E-08	µg/L
005	12/27/04	Hg	0.20	0.10	μg/L
006	10/17/04	TCDD	1.92E-04	2.8E-08	µg/L
006	10/27/04	рН	6.29	6.5-8.5	pH units
006	12/27/04	Hg	0.22	0.10	µg/L
006	12/27/04	рН	9.70	6.5-8.5	pH units
010	10/20/04	рН	9.40	6.5-8.5	pH units
012	10/20/04	рH	8.75	6.5-8.5	pH units
018	10/20/04	pН	8.51	6.5-8.5	pH units
004	1/3/2005	Mercury	0.23	0.13	µg/L
005	1/3/2005	TCDD	3.89E-08	2.80E-08	μg/L
017	1/10/2005	Residual Chlorine	5	0.1	mg/L
009	1/11/2005	Oil and Grease	16	15	mg/L
015	1/11/2005	Residual Chlorine	1	0.1	mg/L
015	1/11/2005	Chronic Toxicity	>16	1	TUc
017	1/1//2005	Residual Chloride	1	0.1	mg/L
017	1/11/2005	Chronic Toxicity	8	1	TUc
001	1/18/2005	Mercury	0.26	0.1	μg/L
002	1/18/2005	Mercury	0.23	0.1	μg/L
002	2/4/2005	Sulfate	310	300	mg/L
001	2/11//2005	MBAS	1	0.5	mg/L
001	2/11/2005	Chromium	27	16.3	μg/L
001	2/11/2005	Iron	. 27	0.3	mg/L
001	2/11/2005	Lead	9.7	5.2	μg/L
001	2/11/2005	Manganese	370	50	μg/L
001	2/11/2005	TCDD	4.71E-08	2.80E-08	μg/L
001	2/18/2005	Iron	9.2	0.3	mg/L
001	2/18/2005	Manganese	140	50	µg/L
001	2/18/2005	TCDD	6.52E-07	2.80E-08	µg/L

OUTFALL#	DATE	CONSTITUENT	REPORTED VALUE	PERMIT LIMIT	UNITS
007	2/18/2005	TCDD	6.98E-07	2.8E-08	μg/L
001	2/26/2005	Iron	0.45	0.3	mg/L
001	2/28/2005	TCDD	4.71E-08	1.40E-08	μg/L
001	3/26/2005	lron	0.42	0.3	mg/L
002	4/01/2005	Sulfate	310	300	mg/L
002	4/08/2005	Sulfate	360	300	mg/L
002	4/15/2005	Sulfate	400	300	mg/L
002	4/22/2005	Sulfate	400	300	mg/L
002	4/22/2005	TDS	1,000	950	mg/L
001	4/28/2005	Iron	0.36	0.3	mg/L
001	4/28/2005	TCDD	3.73E-08	2.80E-08	μg/L
002	4/28/2005	TCDD	6.28E-07	2.80E-08	μg/L

The listed exceedances are currently being evaluated for enforcement action.

# IV. Applicable Statutes, Plans, Policies, and Regulations

- A. Clean Water Act (CWA). The federal CWA requires that any point source discharge of pollutants to a water of the United States must be done in conformance with an NPDES permit. NPDES permits establish effluent limitations that incorporate various requirements of the CWA designed to protect water quality.
- B. Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan). The Basin Plan contains water quality objectives and beneficial uses for inland surface waters and for the Pacific Ocean. The receiving water for storm water runoff from Outfall 008 (Happy Valley) is Dayton Canyon Creek which flows to Chatsworth Creek. Chatsworth Creek merges with Bell Creek and Bell Creek flows into the Los Angeles River. The receiving water for the permitted discharge of the treated effluent via Outfalls 001, 002, 011 and 018 is Bell Creek a tributary to the Los Angeles River. The beneficial uses of the Dayton Canyon Creek, Bell Creek and the Los Angeles River are:

Dayton Canyon Creek - Hydrologic Unit 405.21

Existing:

wildlife habitat

Intermittent:

groundwater recharge, contact and non-contact water recreation; warm

freshwater habitat.

Bell Creek – Hydrologic Unit 405.21

Existing:

wildlife habitat

Intermittent:

groundwater recharge, contact and non-contact water recreation; warm

freshwater habitat.

The Los Angeles River upstream of Figueroa Street - Hydrologic Unit 405.21:

Existing:

groundwater recharge; contact and non-contact water recreation, warm

freshwater habitat; wildlife habitat; and wetland habitat.

Potential:

industrial service supply.

Los Angeles River downstream of Figueroa Street -Hydrologic Unit 405.15

Existing:

groundwater recharge, contact and non-contact water recreation, and

warm freshwater habitat.

Potential:

industrial service supply and wildlife habitat.

Los Angeles River downstream of Figueroa Street - Hydrologic Unit 405.12

Existina:

groundwater recharge; contact and noncontact water recreation; warm

freshwater habitat; marine habitat; wildlife habitat; and rare, threatened,

or endangered species.

Potential:

industrial service supply; industrial process supply; migration of aquatic organisms; spawning, reproduction, and/or early development; and

shellfish harvesting.

Los Angeles River Estuary – Hydrologic Unit 405.12

Existing:

industrial service supply; navigation; contact and non-contact water recreation; commercial and sport fishing; estuarine habitat; marine habitat; wildlife habitat; rare, threatened, or endangered species; migration of aquatic organisms; spawning, reproduction, and/or early

development; and wetland habitat.

Potential:

shellfish harvesting.

Dayton Canyon Creek, Bell Creek and all of the reaches of the Los Angeles River listed except for the estuary also have municipal and domestic supply (MUN) listed as a potential beneficial use with an asterisk in the Basin Plan. This is consistent with Regional Board Resolution 89-03; however the Regional Board has only conditionally designated the MUN beneficial uses and at this time cannot establish effluent limitations designed to protect the conditional designation.

The storm water runoff from Outfalls 003 through 007, 009 and 010 discharges from the SSFL exit the site to the northwest and flows down the Meier and Runkle Canyons toward the Arroyo Simi. The Arroyo Simi is tributary to the Calleguas Creek. The beneficial uses for the receiving water are listed below.

Arroyo Simi – Hydrologic Unit 403.62

Existing:

wildlife habitat, rare, threatened, or endangered species habitat,

Intermittent:

industrial process supply, groundwater recharge, freshwater

replenishment, contact and non-contact water recreation, warm

freshwater habitat:

Arroyo Las Posas – Hydrologic Unit 403.62

Existing:

groundwater recharge, freshwater replenishment, contact and non-

contact water recreation, warm freshwater habitat, wildlife habitat,

Potential:

industrial process supply, industrial service supply, agricultural supply.

and cold freshwater habitat.

Calleguas Creek - Hydrologic Unit 403.12

Existing:

industrial service supply, industrial process supply, agricultural supply, groundwater recharge, contact and non-contact water recreation, warm

freshwater habitat, and wildlife habitat,

Calleguas Creek - Hydrologic Unit 403.11

Existing:

agricultural supply, groundwater recharge, freshwater replenishment; contact and non-contact water recreation, warm freshwater habitat, cold freshwater habitat, wildlife habitat, rare, threatened or endangered

species, and wetland habitat,

Calleguas Creek Estuary – Hydrologic Unit 403.11

Existing:

noncontact water recreation, commercial and sport fishing, estuarine habitat, wildlife habitat, rare, threatened or endangered species, migration of aquatic organisms, spawning, reproduction, and/or early

development, and wetland habitat;

Potential:

navigation and water contact recreation.

Mugu Lagoon – Hydrologic Unit 403.11

Existing:

navigation, non-contact water recreation, commercial and sport fishing, estuarine habitat, marine habitat, preservation of biological habitats, wildlife habitat, rare, threatened or endangered species, migration of aquatic organisms, spawning, reproduction, and/or early development,

shellfish harvesting, and wetland habitat,

Potential:

water contact recreation.

All of the reaches of Calleguas Creek except the estuary also include conditional municipal and domestic supply designations as an intermittent or potential beneficial use in the Basin Plan.

C. Ammonia Basin Plan Amendment. The 1994 Basin Plan provided water quality objectives for ammonia to protect aquatic life, in Tables 3-1 through Tables 3-4. However, those ammonia objectives were revised on April 25, 2002, by the Regional Board with the adoption of Resolution No. 2002-011, Amendment to the Water Quality Control Plan for the Los Angeles Region to Update the Ammonia Objectives for Inland Surface Waters (including enclosed bays, estuaries and wetlands) with Beneficial Use designations for protection of Aquatic Life. The ammonia Basin Plan amendment was approved by the State Board, the Office of Administrative Law, and USEPA on April 30, 2003, June 5, 2003, and June 19, 2003, respectively. Although

the revised ammonia water quality objectives may be less stringent than those contained in the 1994 Basin Plan, they are protective of aquatic life and are consistent with USEPA's 1999 ammonia criteria update.

D. Title 22 of the California Code of Regulations. The California Department of Health Services established primary and secondary maximum contaminant levels (MCLs) for a number of chemical and radioactive contaminants. These MCLs can be found in Title 22, California Code of Regulations (Title 22). Chapter 3 of the Basin Plan incorporates portions of Title 22 by reference. In addition, narrative objectives require the ground waters shall not contain taste or odor-producing substances in concentrations that affect beneficial uses. The secondary MCLs in Title 22 are designed to ensure that the water's taste and odor does not affect its suitability to drink. Title 22 MCLs have been incorporated into NPDES permits and Non-Chapter 15 WDRs to protect the municipal and domestic supply (MUN) and groundwater recharge (GWR), where the underlying groundwater has a designated MUN beneficial use.

Groundwater Recharge. Sections of Bell Creek and Arroyo Simi, near the SSFL discharge points, are designated as GWR indicating that groundwater recharge is a beneficial use. Surface water from the Bell Creek enter the Los Angeles River Watershed. The headwaters of the Los Angeles River originate in the Santa Monica, Santa Susana, and San Gabriel Mountains. Four basins in the San Fernando Valley area contain substantial deep groundwater reserves and are recharged mainly through runoff and infiltration.

Surface water discharges from the north west edge of the SSFL are directed to Arroyo Simi a tributary located in the Calleguas Creek Watershed. Supplies of groundwater are critical to agricultural operations and industry (sand and gravel mining) in this watershed.

Moreover, much of the population in the watershed relies upon groundwater for drinking. Since groundwater from these basins is used to provide drinking water to a large portion of the population, Title 22-based limits are needed to protect that drinking water supply. By limiting the contaminants in the SSFL discharges, the amount of pollutants entering the surface waters and groundwater basins are correspondingly reduced. Once groundwater basins are contaminated, it may take years to clean up, depending on the pollutant. Compared to surface water pollution, investigations and remediation of groundwater are often more difficult, costly, and extremely slow. For these reasons Title 22-based limits will remain in the NPDES permit where there is reasonable potential.

On December 17, 2003, the Regional Board received the December 2003 Technical Memorandum Analysis of Groundwater Recharge, Santa Susana Field Laboratory, Ventura County, California, prepared by Montgomery Watson Harza on behalf of the Boeing Company. This document was submitted to DTSC in order to present a qualitative and quantitative analysis of groundwater recharge at the Santa Susana Field Laboratory. Regional Board staff have also reviewed this document and find that a reasonable conclusion for the amount of rainfall that infiltrates soil using a water balance method is between 23% to 26%. Using a chloride mass balance method resulted in a range of 1% to 12% rainfall infiltration. As these calculations

by different methodologies differ significantly and are inconclusive, Regional Board staff find that there is insufficient data to suggest that rainfall will not significantly recharge groundwater in the underlying surficial soils, weathered and fractured bedrock. In addition, there has been no site-specific soil attenuation factor/model submitted for Regional Board staff review. Inasmuch, those limits placed in this Order to protect groundwater recharge beneficial uses and beneficial uses of underlying groundwater apply at end-of-pipe.

Action Levels. California Department of Health Services (DHS) establishes Action Levels (ALs), or health based advisory levels, for chemicals in drinking water that lack MCLs. An AL is the concentration of a chemical in drinking water that is considered not to pose a significant risk to people ingesting that water on a daily basis. ALs may be established by DHS for non-regulated chemical contaminants when one of the following occurs:

- 1. A chemical is found in an actual or proposed drinking water source, or
- 2. A chemical is in proximity to a drinking water source, and guidance is needed, should it reach the source.

An AL is calculated using standard risk assessment methods for non-cancer and cancer endpoints, and typical exposure assumptions, including a 2-liter per day ingestion rate, a 70-kilogram adult body weight, and a 70-year lifetime. For chemicals that are considered carcinogens, the AL is considered to pose "de minimus" risk, i.e., a theoretical lifetime risk of up to one excess case of cancer in a population of 1,000,000 people — the 10-6 risk level. (In that population, approximately 250,000 — 300,000 cases of cancer would be anticipated to occur naturally.) ALs may be revised from time to time to reflect new risk assessment information. Chemicals for which ALs are established may eventually be regulated by MCLs, depending on the extent of contamination, the levels observed, and the risk to human health. A number of the contaminants for which action levels were originally established now have MCLs.

In 1997, DHS established an 18 μg/L AL for perchlorate. DHS used the upper value of the 4 to 18 µg/L range that resulted from the "provisional" reference does that USEPA prepared in support of its Superfund activities. A revised external review draft perchlorate reference dose corresponding to a drinking water concentration of 1 μg/L was released in 2002. DHS concluded that the AL needed to be revised downward. On January 18, 2002, DHS reduced the perchlorate AL to 4 µg/L. The revised AL coincided with the analytical detection limit for purposes of reporting and was at the lower end of the 4 to 18 µg/L range from the USEPA 1992-1995 assessment. The Public Health Goal (PHG) for perchlorate was developed by Office of Environmental Health Hazard Assessment based on a contemporary health risk assessment. This new information was provided to DHS and on March 11, 2004 the AL for perchlorate was revised to 6 µg/L, a value identical to the PHG that will be used by DHS to develop the MCL for perchlorate. The effluent limit for perchlorate included in this Fact Sheet and in the revised-tentative WDR (dated March 25, 2004) has been updated to reflect the change in the AL by DHS (from  $4 \mu g/L$  to  $6 \mu g/L$ ).

Perchlorate and its salts are used in, but not limited to, solid propellant for rockets, missiles, and fireworks. The defense and aerospace industries purchase more than 90 percent of all the perchlorate manufactured. Perchlorate has historically been used at SSFL and thus is considered a chemical of concern at the site. Monitoring data collected during the tenure of the current permit indicates that perchlorate was present in the storm water runoff in Happy Valley and it has been detected in some of the groundwater wells utilized in the cleanup operations ongoing with DTSC oversight.

Perchlorate can interfere with iodide uptake by the thyroid gland; this can result in a decrease in the production of thyroid hormones, which are needed for prenatal and postnatal growth and development, as well as for normal body metabolism. Neither, the CTR, NTR or the Basin Plan has requirements stipulated for perchlorate. Since there is not drinking waters standard, or maximum contaminant level (MCL), the DHS uses the AL as an advisory level. The Regional Board, exercising its best professional judgement, in the review of the "best available science" has in the past considered and used ALs when deemed appropriate to establish final effluent limitations in WDRs and NPDES permits adopted by this Board, to implement the Basin Plan narrative WQO, "all waters shall be maintained free of toxic substance that produce detrimental physiological responses in human, plant, animal, or aquatic life," and to prevent degradation of valuable groundwater sources of drinking water.

- E. Under title 40 Code of Federal Regulations (40 CFR) section 122.44(d), *Water Quality Standards and State Requirements*, "Limitations must control all pollutants or pollutant parameters (either conventional, non-conventional, or toxic pollutants), which the Director determines are or may be discharged at a level which will cause, have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality." Where numeric effluent limitations for a pollutant or pollutant parameter have not been established in the applicable state water quality control plan, 40 CFR section 122.44(d)(1)(vi) specifies that water quality-based effluent limitations (WQBELs) may be set based on United States Environmental Protection Agency (USEPA) criteria, and may be supplemented where necessary by other relevant information to attain and maintain narrative water quality criteria, and to fully protect designated beneficial uses.
- F. The influent to the package type sewage treatment plants located at SSFL meet the requirements for the special consideration for less concentrated influent wastewaters. Section 133.103 of 40 CFR provides guidance on special considerations for secondary treated effluent. Paragraph (d) address less concentrated influent wastewater for separate sewers. The regulation states that:

"The Regional Administrator or, if appropriate, State Director is authorized to substitute either a lower percent removal requirement or a mass loading limit for the percent removal requirements set forth in sections 133.102 (a) (3), 133.102 (a) (4) (iii), 133.102 (b) (3), 102.105 (a) (3), 133.105(b) (3) and 133.105(e) (1) (iii) provided that the permittee satisfactorily demonstrates that: (1) The treatment works is consistently meeting, or will consistently meet, its permit effluent concentration limits but its percent removal requirements cannot be due to less concentrated influent wastewater (2) to meet the percent

removal requirements, the treatment works would have to achieve significantly more stringent limitations than would otherwise be required by the concentration-based standard, and (3) the less concentrated influent wastewater is not the result of excessive infiltration/inflow."

Consequently, this permit has substituted the mass loading limit for the percent removal requirement. However, there is a requirement that the influent monitoring be completed at least annually such that the per cent removal can be calculated.

- G. Section 402(p) of the federal Clean Water Act (CWA), as amended by the Water Quality Act of 1987, requires NPDES permits for storm water discharges. The Discharger in addition to meeting the effluent limits included in this permit for storm water discharges only will be required to develop and implement a SWPPP as stipulated in Finding 27 of the Waste Discharge Requirements. These requirements as they are met will protect and maintain existing beneficial uses of the receiving water.
- H. On May 18, 2000, the USEPA promulgated numeric criteria for priority pollutants for the State of California [known as the California Toxics Rule (CTR) and codified as 40 CFR section 131.38]. On March 2, 2000, State Board adopted the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (State Implementation Policy or SIP). The SIP was effective on April 28, 2000 with respect to the priority pollutant criteria promulgated for California by the USEPA through National Toxics Rule (NTR) and to the priority pollutant objectives established by the Regional Boards in their Basin Plans, with the exception of the provision on alternate test procedures for individual discharges that have been approved by the USEPA Regional Administrator. The alternate test procedures provision was effective on May 22, 2000. The SIP was effective on May 18, 2000, with respect to the priority pollutant criteria promulgated by the USEPA through the CTR.
- I. Section 402(o) of the Clean Water Act and 40 CFR section 122.44(l) require that water-quality based effluent limits in re-issued permits must be at least as stringent as in the existing permit (anti-backsliding). There are, however, exceptions to the prohibition which are codified in sections 303(d)(4) and/or 402(o)(2) of the Clean Water Act. Hence, many of the limits from the existing waste discharge requirements contained in Regional Board Order No. 98-051, adopted by the Regional Board on June 29, 1998 have been included in this Order. For those limits carried forward, the Regional Board has determined that there is reasonable potential for the pollutant to cause or contribute to an exceedance of water quality standards in accordance with State Board Order No. WQ2003-0009. Reasonable potential is determined using the procedures established in the SIP, informed by professional judgment.
- J. Antidegradation. On October 28, 1968, the State Board adopted Resolution No. 68-16, Maintaining High Quality Water, which established an antidegradation policy for State and Regional Boards. Similarly, the CWA (section 304(d)(4)(B)) and USEPA regulations (40 CFR section 131.12) requires that all NPDES permitting actions be consistent with the federal antidegradation policy. Specifically, waters that are of a higher quality than needed to maintain designated beneficial shall be maintained at the higher water quality unless specific findings are made.

K. Watershed Management Approach. The Regional Board has implemented a Watershed Management Approach, in accordance with Watershed Protection: A Project Focus (EPA841-R-95-003, August 1995), to address water quality protection in the Los Angeles Region. Programs covered under the Watershed Management Approach include regulatory (e.g., NPDES), monitoring and assessment, basin planning and water quality standards, watershed management, wetlands, total maximum daily loads (TMDLs), 401 certifications, groundwater (as appropriate), and nonpoint source management activities. The Watershed Management Approach integrates the Regional Board's many diverse programs, particularly, permitting, planning, and other surface-water oriented programs. It emphasizes cooperative relationships between regulatory agencies, the regulated community, environmental groups, and other stakeholders in the watershed to achieve the greatest environmental improvements with the resources available. This approach facilitates a more accurate assessment of cumulative impacts of pollutants from both point and nonpoint sources.

The Los Angeles River watershed is one of the largest in the Region. The headwaters of the Los Angeles River originate in the Santa Monica, Santa Susana, and San Gabriel Mountains. The river flows through industrial and commercial areas and is bordered by rail yards, freeways, and major commercial and government buildings. The Los Angeles River tidal prism/estuary begins in Long Beach at Willow Street and runs approximately three miles before joining with Queensway Bay located between the Port of Long Beach and the city of Long Beach.

The wastewater discharge from Outfalls 001 and 002 at the SSFL enters Bell Creek near the headwaters of the Los Angeles River. The storm water runoff from Happy Valley (Outfall 008) exits the site via Dayton Canyon Creek which flows to Bell Creek and subsequently the Los Angeles River.

The other storm water runoff exiting the SSFL site does so near the northwest site boundary from Outfalls 003 through 007, 009 and 010. The receiving water for the storm water runoff from these locations is the Arroyo Simi, a tributary of Calleguas Creek. The Calleguas Creek Watershed extends from the Santa Monica Mountains and Simi Hills in the south, to the Santa Susana Mountains, South Mountain, and Oak Ridge in the north. Land uses vary throughout the watershed. Urban developments are generally restricted to the city limits of Simi Valley, Moorpark, Thousand Oaks, and Camarillo. Agricultural activities are spread out along valleys and on the Oxnard Plain.

The storm water discharge exits the site and travels down Meier and Runkle Canyons towards the Arroyo Simi. Most of the land use around the facility is open area. Overall the Calleguas Creek Watershed is considered an impaired watershed. It appears that the sources of many of these pollutants are agricultural activities. Approximately fifty percent of the watershed is still open space although there is a severe lack of benthic and riparian habitat present. The discharge, when it is sufficient to reach the Arroyo Simi, enters it in Reach 1 – Hydrological Unit 403.62.

L. 303(d) Listing of Impaired Waterways. Bell Creek, which is the receiving, water for the wastewater discharge from Outfalls 001, and 002 is on the 2002 303(d) list with high coliform count as the stressor.

The storm water runoff discharge from Outfalls 003 through 007, 009 and 010, when it is sufficient to reach the Arroyo Simi, enters it in Reach 1 – Hydrological Unit 403.62. The stressors listed in the 2002 State Board's California 303(d) list for this reach of Arroyo Simi are ammonia, boron, chloride, sulfates, fecal coliform, organophosphorous pesticides, sediment/siltation, and total dissolved solids.

M. The TMDL for Nitrogen (nutrients) in the Los Angeles River received Regional Board approval on July 10, 2003 (Resolution No. 03-009) and State Board approval with adoption of Order 2003-0074 on November 19, 2003. Office of Administrative Law (OAL) and USEPA approval dates were February 27, 2003 and March 18, 2003, respectively. The Regional Board filed a Notice of Decision with the California Resources Agency on March 23, 2004 and the TMDL was effective as of that date. The Los Angeles River Nutrient TMDL revision with Interim WLAs was approved by the Regional Board on December 4, 2003 (Resolution No. 2003-016). The State Board approved the TMDL with Resolution 2004-0014 on March 24, 2004. OAL approved it on September 27, 2004, and the effective date for the Order was September 27, 2004.

The TMDL includes numeric targets for ammonia as nitrogen (NH3-N), Nitratenitrogen and nitrite-Nitrogen within Reach 5 (within Sepulveda Basin), Reach 3 (Riverside Drive to Figueroa Street, and the Burbank Western Channel. Waste loads are allocated to minor point sources in these reaches that are enrolled in industrial and construction storm water permits.

N. The TMDL for metals in the Los Angeles River was approved by the Regional Board during the June 2, 2005 hearing (Resolution No. 2005-006). State Board approved the TMDL on October 20, 2005. OAL approved the TMDL on December 9, 2005 and EPA approved it on December 22, 2005. The TMDL for metals in storm water is in effect for discharges to the specified reaches of the Los Angeles River.

The metals TMDL implements numeric water quality targets that are based on objectives established by USEPA in the CTR. Targets for copper, lead, zinc and/or selenium (total recoverable) are established in designated reaches of the Los Angeles River. Separate water quality targets are established for dry and wet weather discharges.

O. The Regional Board approved the Basin Plan amendment to incorporate the TMDL for toxicity, chlorpyrifos, and diazinon in the Calleguas Creek, its tributaries and Mugu Lagoon (Resolution No. R4-2005-009) on July 7, 2005. The TMDL addresses impairment to water quality due to elevated levels of chlorpyrifos, diazinon, other pesticides and/or other toxicants. The amendment includes numeric targets, waste load allocations, and load allocations for Toxicity Unit Chronic, chlorpyrifos, and diazinon. It also includes a compliance schedule of two years from the effective date of the TMDL to meet the final waste load allocations and ten years to meet the load allocations applied to nonpoint sources.

State Board approved the TMDL on September 22, 2005 (Resolution No. 2005-0067). OAL and EPA approvals are pending. Once the TMDL is approved the specified WLA will be applicable to discharges from SSFL.

P. Resolution No. R4-2005-0010, a TMDL for organochlorine (OC) pesticides, polychlorinated biphenyl (PCBs) and siltation in Calleguas Creek, its tributaries, and Mugu Lagoon, was also approved by the Regional Board on July 7, 2005. The TMDL addresses impairment to water quality due to elevated concentrations of OC pesticides and PCBs, which can bioaccumulate in fish tissue and cause toxicity to aquatic life in estuarine and inland waters. Siltation may transport these contaminants to surface waters and impair aquatic life and wildlife habitats. The TMDL establishes water column targets, fish tissue targets, and sediment targets to ensure the protection of beneficial uses. The TMDL establishes a twenty-year plan for reducing OC pesticides, PCBs and siltation loads from point sources and nonpoint sources.

State Board approved the TMDL on September 22, 2005 (Resolution No. 2005-0068). OAL and USEPA approvals are pending. Once the TMDL is approved the appropriate targets will apply to discharges from Outfalls 003 through 007, 009, and 010 which enter Arroyo Simi, a tributary of Calleguas Creek.

# V. Regulatory Basis for Effluent Limitations

A. General Bases for Effluent Limits

Effluent limitations established pursuant to Sections 301 (Effluent Limitations), 302 (Water Quality-Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 304 (Information and Guidelines), and 402 (NPDES) of the Federal Clean Water Act and amendments thereto, are applicable to the discharges covered by the tentative order.

B. Water Quality Based Effluent Limitations (WQBELs)

The WQBELs are based on the Basin Plan, other State plans and policies, or USEPA water quality criteria. These requirements, as they are met will protect and maintain existing beneficial uses of the receiving water. Where numeric water quality objectives have not been established in the Basin Plan, 40 CFR section 122.44(d) specifies that WQBELs may be set based on USEPA criteria and supplemented, where necessary by, other relevant information to attain and maintain narrative water quality criteria to fully protect designated beneficial uses. The previous NPDES permit for SSFL (Order No. 98-051) included monthly averages for chemicals of concern discharged from Outfalls 003 through 008. The discharges from these outfalls consist solely of storm water runoff. These discharges are seasonal and infrequent. Individual NPDES permits that regulate storm water runoff only discharges issued recently by the Regional Board do not contain monthly average limitations. Hence, this Order does not contain monthly average limitations for the storm water runoff only discharges from these outfalls.

#### C. Reasonable Potential Analysis

Discharges from the engine test stands had not previously regulated independently. These discharges did not have specific monitoring requirements or effluent limits.

This permit includes effluent limits for conventional pollutants and requires monitoring for the EPA priority pollutants excluding asbestos from the engine test areas.

In accordance with Section 1.3 of the SIP, the Regional Board will conduct a reasonable potential analysis (RPA) for each priority pollutant with an applicable criterion or objective to determine if a WQBEL is required in the permit. The Regional Board will analyze effluent data to determine if a pollutant in a discharge has a reasonable potential to cause or contribute to an excursion above a state water quality standard. For all parameters that have a reasonable potential, numeric WQBELs are required. The RPA considers water quality objectives outlined in the CTR, NTR, as well as the Basin Plan. To conduct the RPA, the Regional Board must identify the maximum observed effluent concentration (MEC) for each constituent, based on data provided by the Discharger.

Section 1.3 of the SIP provides the procedures for determining reasonable potential to exceed water applicable water quality criteria and objectives. The preliminary steps involve the following:

- Identifying the lowest or most stringent criterion or water quality objective for the pollutant "(C)";
- Adjusting the selected criterion/objective, when appropriate, for hardness, pH, and translators of the receiving water (C<sub>a</sub>). There is no hardness data available for Arroyo Simi. For the storm water only discharges to Arroyo Simi, the hardness used was 100 mg/L as CACO<sub>3</sub>, which is the default value. Consequently, the default value was used to complete the calculation of the final effluent limits. The acute and chronic dilution factors utilized to complete the calculation is zero since Arroyo Simi which is a tributary to Calleguas Creek has intermittent flows and many of the beneficial uses specified for Arroyo Simi are intermittent. A site-specific study would need to be completed to determine if seasonal dilution factors would be appropriate.

Wastewater discharges from industrial process and storm water from Happy Valley exit the site and flow into Bell Creek a tributary to the Los Angeles River. The hardness data submitted by the Discharger for the receiving water provided hardness values less than the 100 mg/L as CACO<sub>3</sub> default.

In fact the hardness data was very similar for the discharge and the receiving water, indicating that the discharge was a primary contributing flow to the receiving water. The default value of 100 mg/L for hardness was used to adjust the selected criteria.

- Collating the appropriate effluent data for the pollutant;
- Determining the observed maximum concentration in the effluent (MEC) from the effluent data; and

 Determining the observed maximum ambient background concentration of the pollutant (B). Ambient data was submitted for Bell Creek upstream of Discharge Serial 001 and 002. This ambient data was included in the calculation of effluent limits for the wastewater discharges from these two locations. Ambient data was not available for Arroyo Simi and was not included in the analysis of the discharges from Outfalls 003 through 007.

The SIP specifies three triggers to complete a RPA:

- 1. Trigger 1 If the MEC is greater than or equal to the CTR water quality criteria or applicable objective (C), a limitation is needed. For certain
  - constituents present in this discharge that were nondetect, the MEC was set at the method detection limit consistent with section 1.3 of the SIP.
- 2. Trigger 2 If MEC<C and background water quality (B) > C, a limitation is needed.
- Trigger 3 If other related information such as CWA 303(d) listing for a pollutant, discharge type, compliance history, etc. indicates that a WQBEL is required.

The first two triggers were evaluated using the California Permit Writers Training Tool (CAPWTT). While on contract with the State Board, Scientific Applications International Corporation (SAIC) developed this software to determine RPAs and, when reasonable potential exists, calculate the WQBELs, following procedures in SIP. The third trigger is evaluated by the permit writer utilizing all other information available to determine if a water quality-based effluent limitation is required to protect beneficial uses.

The results of the RPA for each analyte evaluated is presented in Attachments 1 for discharges from Outfall 001 and 002 and in Attachment 2 for the storm water only discharges (Outfalls 003 – 007) of Order No. R4-2004-0111. Most of the targeted analytes evaluated have a response of BPJ (Best Professional Judgement) or No Criteria required. The BPJ response requires the permit writer use all other available information to determine if a limit should be stipulated and if necessary to determine the applicable limit. The No Criteria result indicates that CTR does not include criteria to evaluate this analyte.

A numeric limit has not been prescribed for a toxic constituent if it has been determined that it has no reasonable potential to cause or contribute to excursions of water quality standards. However, if the constituent had a limit in the previous permit, and if none of the Antibacksliding exceptions apply, then the limit will be retained if the Regional Board concludes there is reasonable potential. For those pollutants with existing effluent limitations where the CAPWTT did not statistically determine reasonable potential, the Regional Board staff conducted a further analysis under Trigger 3 of the SIP. If reasonable potential was found based on Trigger 3, the basis for that decision is articulated in this fact sheet. A narrative limit to comply with all water quality objectives is provided in *Standard Provisions* for the priority pollutants, which have no available numeric criteria.

Sufficient effluent and ambient data are needed to conduct a complete RPA. If data are not sufficient, the Discharger will be required to gather the appropriate data for the Regional Board to conduct the RPA. Upon review of the data, and if the Regional Board determines that WQBELs are needed to protect the beneficial uses, the permit will be reopened for appropriate modification.

# D. Calculating WQBELs

If a reasonable potential exists to exceed applicable water quality criteria or objectives, then a WQBEL must be established in accordance with one of three procedures contained in Section 1.4 of the SIP. These procedures include:

- 1) If applicable and available, use of the wasteload allocation (WLA) established as part of a total maximum daily load (TMDL).
- 2) Use of a steady-state model to derive maximum daily effluent limitations (MDELs) and average monthly effluent limitations (AMELs).
- 3) Where sufficient effluent and receiving water data exist, use of a dynamic model, which has been approved by the Regional Board.

#### E. Impaired Water Bodies in 303 (d) List

Section 303(d) of the CWA requires states to identify specific water bodies where water quality standards are not expected to be met after implementation of technology-based effluent limitations on point sources. For all 303(d) listed water bodies and pollutants, the Regional Board plans to develop and adopt TMDLs that will specify WLAs for point sources and load allocations (LAs) for non-point sources, as appropriate.

The USEPA has approved the State's 303(d) list of impaired water bodies. Certain receiving waters in the Los Angeles and Ventura County watersheds do not fully support beneficial uses and therefore have been classified as impaired on the 2002 303(d) list and have been scheduled for TMDL development.

The Los Angeles River flows for 55 miles from the Santa Monica Mountains at the western end of the San Fernando Valley to the Pacific Ocean. The Los Angeles River drains an area of about 825 square miles. Approximately 324 square miles of the watershed are covered by forest or open space land. The rest of the watershed is highly developed. The river flows through industrial, residential, and commercial areas, including major refineries and petroleum products storage facilities, major freeways, rail lines, and rail yards serving the Ports of Los Angeles and Long Beach.

The majority of the Los Angeles River watershed is considered impaired due to a variety of point and nonpoint sources. The 2002 303(d) list includes total aluminum, dissolved cadmium, dissolved copper, dissolved zinc, high coliform count, pH, ammonia, nutrients (algae), odors, lead, coliform, trash, scum, oil, dichloroethylene, tetrachloroethylene, and trichloroethylene. High coliform count is a pollutant stressor for Bell Creek. The pollutant stressors listed for the Los Angeles River estuary include chlordane, DDT, lead, PCBs and zinc in sediment. The beneficial

uses potentially threatened or impaired by degraded water quality are aquatic life, recreation, groundwater recharge, and municipal water supply.

Calleguas Creek Watershed and its major tributaries, Revlon Slough, Conejo Creek, Arroyo Conejo, Arroyo Santa Rosa, and Arroyo Simi drain an area of 343 square miles in southern Ventura and a small portion of western Los Angeles County. The northern boundary of the watershed is formed by the Santa Susana Mountains, South Mountain, and Oak Ridge; the southern boundary is formed by the Simi Hills and Santa Monica Mountains.

Urban developments within the watershed are generally restricted to the city limits of Simi Valley, Moorpark, Thousand Oaks, and Camarillo. Agricultural activities, primarily cultivation of orchards and row crops, are spread out along valleys and on the Oxnard Plain.

The Watershed Management Initiative characterizes the Callegaus Creek Watershed as a very impaired watershed. Calleguas Creek Reach 7 (the Arroyo Simi) is on the 2002 303 (d) list for ammonia, chloride, boron, sulfates, total dissolved solids, fecal coliform, organophosphorus pesticides, and sedimentation/siltation. The beneficial uses potentially threatened or impaired by degraded water quality are wildlife habitat, and rare, threatened or endangered species habitat. The intermittent beneficial uses potentially impacted include industrial process supply, groundwater recharge, freshwater replenishment, contact and non-contact water recreation, and warm freshwater habitat.

# F. Whole Effluent Toxicity

Whole Effluent Toxicity (WET) protects the receiving water quality from the aggregate toxic effect of a mixture of pollutants in the effluent. WET tests measure the degree of response of exposed aquatic test organisms to an effluent. The WET approach allows for protection of the narrative "no toxics in toxic amounts" criterion while implementing numeric criteria for toxicity. There are two types of WET tests: acute and chronic. An acute toxicity test is conducted over a short time period and measures mortality. A chronic toxicity test is conducted over a longer period of time and measures mortality, reproduction, and growth.

The Basin Plan specifies a narrative objective for toxicity, requiring that all waters be maintained free of toxic substances in concentrations that are lethal to or produce other detrimental response on aquatic organisms. Detrimental response includes but is not limited to decreased growth rate, decreased reproductive success of resident or indicator species, and/or significant alterations in population, community ecology, or receiving water biota. The existing permit does not contain toxicity limitations or monitoring requirements.

In accordance with the Basin Plan, acute toxicity limitations dictate that the average survival in undiluted effluent for any three consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, with no single test having less than 70% survival. Consistent with Basin Plan requirements, this Order includes acute toxicity limitations.

In addition to the Basin Plan requirements, Section 4 of the SIP states that a chronic toxicity effluent limitation is required in permits for all discharges that will cause, have the reasonable potential to cause, or contribute to chronic toxicity in receiving waters.

The Discharger will be required to conduct chronic toxicity testing. The Order includes a chronic testing trigger hereby defined as an exceedance of 1.0 toxic units chronic (TUc) in a critical life stage test for 100% effluent. (The monthly median for chronic toxicity of 100% effluent shall not exceed 1.0 TUc in a critical life stage test.) If the chronic toxicity of the effluent exceeds 1.0 TUc, the Discharger will be required to immediately implement accelerated chronic toxicity testing according to Monitoring and Reporting Program, Item IV.D.1. If the results of two of the six accelerated tests exceed 1.0 TUc, the Discharger shall initiate a toxicity identification evaluation (TIE).

#### G. Specific Rationale for Each Numerical Effluent Limitation

Section 402(o) of the Clean Water Act and 40 CFR 122.44(l) require that effluent limitations standards or conditions in re-issued permits are at least as stringent as in the existing permit unless an antibacksliding exception applies. The Regional Board has determined that reasonable potential exists for all pollutants that are regulated under the current permit; therefore effluent limitations have been established for these pollutants. Furthermore, effluent limitations for several contaminants have been included based on BPJ with the CTR WQBELs or with effluent limits from the current Order.

In compliance with 40 CFR 122.45(f), mass-based limitations have also been established in the proposed Order for conventional and priority pollutants. The mass for both the maximum and the monthly or 30-day average limits and when appropriate the 7-day average effluent limits were calculated using the flow for the associated operation, which was provided by the Discharger.

When calculating the mass for discharges, the maximum permitted flow rate was used to calculate the daily maximum, the monthly average, or 7-day average mass. When calculating the appropriate mass for the discharge event or events evaluated the actual flow rate should be substituted in the following equation. The daily maximum flow will be used to calculate the daily maximum, the monthly average, 30-day average or 7-day average flows will be used to calculate the respective mass discharge limit.

Mass (lbs/day) = flow rate (MGD) X 8.34 X effluent limitation (mg/L): where: mass = mass limit for a pollutant in lbs/day effluent limitation = concentration limit for a pollutant, mg/L flow rate = discharge flow rate in MGD

<u>Outfalls 001 and 002</u>. RPAs were performed using CAPWTT for each of 126 priority pollutants for which effluent data were available. The input data for the RPAs were provided in the Self-Monitoring Reports submitted by the Discharger. One RPA was performed for discharges from Outfalls 001 and 002, which are composed of treated wastewater, water from the groundwater treatment systems, excess reclaimed

water, water from the engine test stands, and storm water. Four analytes had reasonable potential to exceed WQBELs: copper, lead, mercury, and TCDD. Three of these analytes (copper, lead, and mercury) had effluent limitations in the previous order (Order No. 98-051).

The Discharger also submitted data for the receiving water associated with discharges from Outfalls 001 and 002. This data was collected using elevated detection limits and hence several other constituents had reasonable potential. The constituents are 2,4,6-trichlorophenol, 2,4-dinitrotoluene, alpha-BHC, bis(2-ethylhexyl)phthalate, N-nitrosodimethlyamine and pentachlorophenol. Effluent limits for these constituents have also been included in this Order.

Since perchlorate has been detected above the Department of Health Services action level in storm water runoff from the facility and it has been detected in the influent to some of the groundwater treatment systems, BPJ has been used to establish reasonable potential for it to be present in discharges from the site via Outfalls 001 and 002. Consequently an effluent limit for perchlorate has been included in this Order for these discharges. Since perchlorate is typically not a naturally occurring pollutant and its presence in the receiving waters is the result of operations at the facility, the effluent limitation was developed based on anti-degradation grounds (State Board Res. No. 68-16 and 40 CFR § 131.12). The effluent limitation was therefore set at 6  $\mu$ g/L, which would prevent the degradation of receiving waters and maintain and protect receiving water quality.

Several volatile organic compounds (VOCs) had effluent limits in Order No. 98-051 for discharges from Outfalls 001 and 002. The number of samples evaluated for each contaminant ranged from 19 to 60, and none of the contaminants were detected. The CTR based effluent limits for all of the VOCs except 1,1-dichloroethylene, were less stringent than the limits in Order No. 98-051. Since none of the contaminants were detected during numerous sampling events and the limits in the tentative Order would be the same as those from the previous Order, the limits for these analytes were not included. The only VOC that has limits in the tentative Order is 1,1-dichloroethylene. The limit is included since the CTR based limit for this analyte are more stringent that the limit included in the previous Order.

As set forth above, Section 1.3 of the State Board's State Implementation Plan (SIP) establishes a stepwise procedure for determining which toxic pollutants require water quality-based effluent limitations in conformance with 40 C.F.R. § 122.44(d). This stepwise procedure for toxic pollutants is called a reasonable potential analysis. The SIP's reasonable potential analysis applies to water quality standards for priority pollutants, whether promulgated by USEPA or established as water quality objectives by the Regional Board. Steps 1 through 6 establish an analytical procedure for requiring water quality-based limitations based solely on discharge and ambient receiving water data. Except as noted in the preceding paragraph, reasonable potential for toxic pollutants regulated by this Order was determined using the analytical procedure in Steps 1 through 6 of SIP section 1.3 as explained above.

Step 7 of SIP Section 1.3 recognizes that in certain instances a rote, mathematical analysis of the data will not be sufficient to protect beneficial uses. Step 7 therefore

reserves for the Regional Board the obligation to "review other available information to determine if a water quality-based effluent limitation is required, notwithstanding the above analysis in Steps 1 through 6, to protect beneficial uses." Among the factors the State Board identifies as relevant to the Step 7 analysis are: the facility type, discharge type, and potential toxic impact of the discharge. With respect to the Facility, the Regional Board finds sufficient, unusual circumstances to require a water quality-based effluent limitation for trichloroethylene (TCE). Data and testimony indicate that approximately 530,000 gallons of TCE were released to the soil and groundwater at the Facility. The tremendous volume of TCE released at the site warrants significant scrutiny. While recent monitoring data do not show TCE in surface water discharges, scouring from large storm events may release soils with adsorbed TCE. The large volumes of TCE in scoured soils may become chemically available in the surface water runoff and cause or contribute to an exceedance of the water quality standard. In addition, the existing monitoring data has been collected far downstream from on-site sources. The data may not reliably indicate the presence of TCE in waters of the United States because the turbid conditions may have volatilized the TCE before it reached existing monitoring points. Further, contamination is spotty and not completely characterized; pathways are not always predictable and are not fully characterized; and the site is in a hilly environment with uncertain pathways and seeps which could possibly lead to surfacing of water with contamination that cannot be predicted. Finally, TCE is a probable carcinogen that can cause skin rashes on contact, and when ingested has been associated with liver and kidney damage. impaired immune system function, and in large volumes unconsciousness, impaired heart function, or death. Considering the toxic nature of TCE and that past practices at the site released extraordinary volumes of TCE into the environment that can continue to leach into surface water through the scouring from storm events, and further considering that the existing monitoring data may not be representative of direct discharges to waters of the United States since the data were collected downstream of the initial discharge, the Regional Board has determined that a water quality-based effluent limitation for TCE is necessary to protect beneficial uses.

<u>Outfalls 003 through 007</u>. Discharges from Outfall 003 through 007 are storm water runoff only. Daily maximum and monthly average limits for storm water were included in Order No. 98-051. This Order does not include monthly average limits for priority pollutants in storm water only discharges since storm events are infrequent and often occur less than once per month during the rainy season. This change in the limits is consistent with permits adopted by the Regional Board for storm water discharges only.

The storm water only discharges from Discharge Outfalls 003 through 007 were also evaluated using CAPWTT (Attachment 2 of Order No. R4-2004-0111). The analytes with statistical reasonable potential are cadmium, copper, cyanide, mercury, and TCDD (Attachment 2 page 1). Cyanide was detected only once during the period evaluated at a concentration of 5.8 micrograms/liter. That detection triggered the reasonable potential since it exceeds that calculated average monthly effluent limit (AMEL). However, the discharges evaluated are storm water only discharges, which do not have monthly average limits. When the maximum effluent concentration (MEC) of 5.8  $\mu$ g/L is compared to the maximum daily effluent limit (MDEL) the MEC is less than the MDEL. Consequently, this permit does not include an effluent limit for cyanide in the storm water only discharges. CTR-WQBELs for cadmium copper,

mercury and TCDD have been included in this Order. The previous order included effluent limits for all of these analytes except TCDD. The effluent limits for the analytes with a positive RPA are the most stringent of the limit included in Order 98-051, and the applicable CTR criteria which include the freshwater aquatic life criteria, and the human health criteria for consumption of organisms only. The previous permit included limits for these analytes from Title 22, which are more stringent than the CTR limits. The compliance history reveals that the effluent limit for antimony (6  $\mu$ g/L) was exceeded at Outfalls 005 and 007 in 1999 and the limit for thallium (2  $\mu$ g/L) was exceeded at Outfall 005 on March 8, 2000. Therefore, limits for antimony and thallium were established using best professional judgement.

The monthly average effluent limit for mercury included in Order No. 98-051  $(0.012 \,\mu g/L)$  was based on freshwater continuous criteria from 40 CFR 131.36. This limit is based on a fish consumption advisory, which appeared in the July 1, 1998 edition but was subsequently withdrawn. CTR included criteria for mercury, which was used to develop the WQBEL for mercury that is included in this Order.

The CTR-WQBELs for cadmium in the tentative Order is greater than the limit stipulated in the previous order. The daily maximum concentrations for cadmium from the previous order were taken directly from NTR and were expressed as dissolved criteria. The daily maximum limits for all metals included in this order were calculated based on criteria that appears in CTR when they were the most protective criteria available. The dissolved criteria were adjusted using conversion factors to total recoverable. Since the effluent limits for cadmium in the tentative Order is total cadmium they are slightly higher than the limits included in the previous Order.

The criteria stipulated for TDS, sulfate, chloride, and nitrogen also changed for storm water discharges to the Arroyo Simi, a tributary of Calleguas Creek. The criteria listed previously were the stipulated criteria for the Los Angeles River Watershed. The criteria stipulated for Calleguas Creek above Potrero Road are 850, 250, 150, 1.0, and 10 mg/L for TDS, sulfate, chloride, boron and nitrogen respectively.

<u>Outfall 008.</u> The area commonly referred to as Happy Valley receives storm water runoff from the former solid propellant testing area. Operations at the former solid propellant testing area ended in 1994. A major component of the propellant was perchlorate. Since the propellant has been used in the area and it has been detected in the storm water runoff at concentrations exceeding the Department of Health Services action level of 4 μg/L (which was changed to 6 μg/L on March 11, 2004), an effluent limit for perchlorate has been included in this Order. The effluent limitation for perchlorate is established based on antidegradation as explained for Outfalls 001 and 002. A requirement for sampling of the storm water runoff all other constituents tested for at Outfalls 003 through 007, has also been included in this Order. The new storm water monitoring location is Discharge Outfall 008. Storm water from Happy Valley flows to Dayton Canyon Creek. Dayton Canyon Creek merges with flows from Chatsworth Creek, which flows south to Bell Creek southwest of the intersection of Shoup Avenue and Sherman Way. Bell Creek subsequently flows east to the Los Angeles River.

This area has since undergone an interim measure under the direction of DTSC.

Outfalls 009. The WS-13 Drainage area begins near the entrance to the property and traverses several potential areas of concern. The WS-13 drainage area collects storm water runoff from the Area 1 and Area 2 Landfills, and the former LOX plant located on NASA owned property. In addition, WS-13 picks up storm water run on from Sage Ranch where agricultural operations took place and a gun shooting range is located. This location has only been sampled once in the past. Additional data would provide information regarding the transport of contaminants in these areas offsite by storm water runoff. The WS-13 Drainage area will become Discharge Outfall 009; this outfall drains to Arroyo Simi.

<u>Outfall 010.</u> Building 203 was formally used as an instrumentation laboratory where various types of instrumentation were repaired and calibrated. The instrumentation included but was not limited to, thermometers and manometers that contained mercury. Currently the building houses operations related to laser research. Operations include limited polishing fibers, hand wipe solvent and chemical cleaning, assembly and test of various components in both open warehouse and clean room environments. All wastes are currently containerized and transported off site for disposal. This area has also undergone an interim measures under the direction of DTSC.

<u>Outfall 011.</u> The Perimeter Pond collects wastewater generated from Area1. The discharges from groundwater treatment systems located in Area 1, discharges from Sewage Treatment Plant 1 and storm water runoff from the vicinity is discharged initially to R-1 Pond which flow to the Perimeter Pond. Discharges from the Perimeter Pond exit the site via Outfall 001. The Perimeter Pond is the final step in the storage of water. Consequently, this Order includes effluent limits and requirements for monitoring of the effluent from the pond for the priority pollutants and for other targeted chemicals of concern at the site.

<u>Outfalls 012 – 014.</u> The various test stands are used to test fire rocket engines built onsite. The fire suppression water used during testing may contain residual fuels and solvents. This wastewater is directed via lined and unlined channels to the reclamation ponds, which are used to store wastewater collected from the various onsite operations along with any storm water runoff for reuse onsite.

The Regional Board will have oversight of the discharges from the engine test stands. This permit will include requirements for monitoring of the discharges. The data collected will be used to evaluate reasonable potential of the discharge to exceed applicable requirements and if warranted; effluent limits will be implemented for the discharges.

<u>Outfalls 015 – 017.</u> The two operational plants (STP-1 and STP-3) are activated sludge sewage treatment plants that provide secondary and tertiary treatment for the domestic sewage from the facility. The disinfected sewage effluents are subsequently directed to the reclaim water system reservoir. The two plants are currently being used as collection reservoirs only, previously had effluent limits for BOD<sub>5</sub>20°C, coliform, and turbidity on discharges from the facilities. Sewage sludge generated was hauled offsite to the one of the facilities operated by Los Angeles County Sanitation Districts. The monitoring program for the sewage treatment plants included requirements for the previously mentioned constituents as well as pH, oil and grease

and suspended solids. This permit includes requirements to monitor for priority pollutants except asbestos, perchlorate, N-nitrosodimethylamine, 1,4-dioxane, and 1,2,3-trichloropropane to provide the data required to evaluate reasonable potential. If reasonable potential exists, effluent limits will be implemented.

Outfall 018. The R-2A and R-2B Ponds are used to collect wastewater from Areas II and III. R-2A Ponds collect wastewater from the Delta Groundwater Treatment System and storm water runoff from the location of the former Delta Test Stand. The R-2B Ponds receive overflow from the Silvernale Pond which includes discharges from the Bravo, Alpha and RD-9 Groundwater Treatment Systems and storm water runoff from the Alpha and Bravo Engine Test Stands. The R-2B Pond also receives wastewater discharges and storm water runoff from the STL-IV Test Stand area. The R-2 Spillway is an overflow area used to allow the wastewater from the two ponds to flow via a drainageway to Outfall 002. Wastewater released from the R-2 Spillway travels approximately 4,500 feet prior to reaching Outfall 002. Hence, this permit includes a monitoring requirement for discharges from the R-2 Spillway.

Data collected from August 20, 2004 (the effective date of Order R4-2004-0111) through May 5, 2005 was used to evaluate reasonable potential at the compliance points enumerated in that Order. This analysis has been completed to supplement the initial results presented in Order R4-2004-0111.

Outfalls 001 002, 011, and 018 discharge wastewater and storm water runoff from the SSFL to Bell Creek at the south. Outfalls 011, the Perimeter Pond, and 018, the R-2 Pond Spillway are located directly upstream of Outfalls 001 and 002 respectively. Discharges from Outfalls 011 and 018 receive no additional treatment or additional discharges prior to exiting Outfalls 001 and 002. Since there are no additional discharges or treatments the discharges from these outfalls were evaluated together.

The statistical analysis yielded RP for copper, lead mercury and TCDD. The data, site history, and other information available were incorporated into the BPJ analysis. This analysis supports the retention of effluent limits established at Outfalls 001 and 002 in Order No. R4-2004-0111 and it supports the inclusion of those effluent limits for discharges from Outfalls 011 and 018 (Attachment 1).

Outfalls 008, 009 and 010 are storm water only outfalls. Data collected at these locations since the adoption of Order No. R4-2004-011 indicates that the discharges from these locations are very similar to those from the other storm water only discharge locations. The statistical RPA of the data collected from all of the storm water locations resulted in Tier 1 RPA for copper, lead, mercury and TCDD. Since the discharges from Outfalls 008, 009 and 010 are very similar to those from Outfalls 003 through 007, BPJ was used to establish effluent limits for other priority pollutants and other chemicals of concern (i.e. perchlorate) at all of the storm water only outfalls (Attachment 2).

Outfalls 012-014 (Rocket Engine Test Stands) Data collected at Outfall 012 resulted in Tier 1 reasonable potential using the method specified in the SIP for copper, lead, mercury, and TCDD. Additional constituents including settleable solids, total

suspended solids, 1,4-dioxane, total petroleum hydrocarbons, naphthalene, oil and grease, tertiary-butyl alcohol, and ethlyene dibromide demonstrated RP utilizing the TSD method. RP was established for total dissolved solids and perchlorate based on BPJ. These constituents as well as other applicable Basin Plan constituents have been included in this addendum (Attachment 3).

During the development and adoption of Order R4-2004-0111, Regional Board staff was informed that Boeing was not utilizing the three package type sewage treatment plants located onsite (STP1, STP2, STP-3), Outfalls 15-17. A rain event January 9-11, 2005 resulted in the discharge of partially treated wastewater from Outfalls 015 and 017. The evaluation of the data collected resulted in Tier 1 reasonable potential for cadmium, chromium III, copper, mercury, nickel, TCDD. Other constituents of concern that demonstrates reasonable potential include MBAS, TSS, BOD, perchlorate, total coliform oil and grease, total residual chlorine, and nitrate as nitrogen. The BPJ analysis resulted in RP for total dissolved solids, chloride, sulfate, fluoride, nitrate + nitrite as nitrogen, and barium. Effluent limitations for these constituents have been included (Attachment 4).

# H. Total Maximum Daily Load (TMDL)

The TMDL development for the Los Angeles River watershed is scheduled for fiscal year 2002 beginning with coliform. The TMDL development for Calleguas Creek is also scheduled for fiscal year 2002 beginning with chloride. The TMDLs, which are not scheduled for completion within the lifetime of this permit, will include WLAs for the 303(d) listed pollutants. When each TMDL is complete, the Regional Board will adopt WQBELs consistent with the corresponding WLAs. If authorized, a time schedule may be included in a revised permit to require compliance with the final WQBELs.

The TMDL for Nitrogen (nutrients) in the Los Angeles River became effective on March 18, 2003. The Los Angeles River Nutrient TMDL revision with Interim WLAs became effective on September 27, 2004. The discussion in Finding M (Page 24) of this Fact Sheet explains that the developed WLAs apply to downstream reaches and as such discharges from SSFL have no WLAs.

The TMDL for metals in the Los Angeles River was approved by the Regional Board on June 2, 2005, with State Board approval on October 20, 2005. OAL and EPA approvals are pending. The discharges from SSFL enter the headwaters of Bell Creek and Dayton Canyon Creek, tributaries to the Los Angeles River. These tributaries are well upstream of the reaches of the Los Angeles River for which the numeric water quality targets and WLAs are specified. Hence, effluent limits for the specified metals discharged from SSFL will be based on water quality criteria.

During the July 7, 2005 Board Meeting, TMDLs were adopted for toxicity, chlorpyrifos, and diazinon in the Calleguas Creek, its tributaries and Mugu Lagoon and for organochlorine (OC) pesticides, polychlorinated biphenyls (PCBs) and siltation in the Calleguas Creek, its tributaries and Mugu Lagoon. State Board approved these TMDLs on September 22, 2005. OAL and USEPA approvals are pending. These two TMDLs will result in WLAs for chronic toxicity, chlorpyrifos, diazinon, and water column targets, fish tissue targets, and sediment targets for a

host of constituents that may be discharged from SSFL. When the TMDLS are approved and become effective the permit will be reopened to include the required WLAs.

To prevent further degradation of the water quality of the Los Angeles River and Calleguas Creek and to protect their beneficial uses, mixing zones and dilution credits are not allowed in this Order. This determination is based on:

- Many of the beneficial uses stipulated are intermittent for Dayton Canyon Creek, Bell Creek and the Arroyo Simi. The discharges from SSFL in many cases provide a significant portion of the headwaters for these waterbodies. Since there is little assimilative capacity of the receiving water, a dilution factor is not appropriate and the final WQBEL should be a numeric objective applied end-of-pipe.
- The discharge may contain the 303(d) listed pollutants that are bioaccumulative such as metals. These pollutants, when exceeding water quality criteria within the mixing zone, can potentially result in tissue contamination of an organism directly or indirectly through contamination of bed sediments with subsequent incorporation into the food chain. The SIP, section 1.4.2.2.B. states that the "Regional Board shall deny or significantly limit a mixing zone and dilution credit as necessary to protect beneficial uses..." It continues that "such situations may exist based upon the quality of the discharge... or the overall discharge environment (including ... potential for bioaccumulation)."

For some pollutants, including aldrin, alpha-BHC, chlordane, DDT, dieldrin, heptachlor, heptachlor epoxide, several PAHs, PCBs, TCDD equivalents, and toxaphene the applicable water quality objectives are below the levels that current analytical techniques can measure. Reasonable potential analyses have been completed on each of these constituents and two of them had reasonable potential: alpha-BHC and TCDD equivalents. The MEC detected for TCDD exceeded the CTR criterion and the detection limits for alpha-BHC in the receiving water and the effluent exceeded the criterion.

#### VI. SPECIFIC RATIONALES FOR EACH OF THE NUMERICAL EFFLUENT LIMITATIONS

A. The following table presents the effluent limitations and the specific rationales for pollutants that are expected to be present in the discharge from Outfalls 001, 002, 011, and 018:

		Discharge	e Limitations	
Constituents	<u>Units</u>	Monthly <u>Average</u>	Daily <u>Maximum</u>	Rationale
рН	pH Units		6.5-8.5	Basin Plan
Temperature	°F		86	BPJ/Thermal Plan
Total suspended solids	mg/L	15	45	BPJ-Previous Order
BOD₅20°C	mg/L	20	30	BPJ – Previous Order

		Discharge	e Limitations	
	44 14 Administrator	Monthly	Daily	
Constituents	<u>Units</u>	Average	<u>Maximum</u>	<u>Rationale</u>
Oil and grease	mg/L	10	15	BPJ – Previous Order
Settleable solids	ml/L	0.1	0.3	BPJ – Previous Order
Total residual chlorine	mg/L		0.1	Basin Plan
Total dissolved solids	mg/L		950	Basin Plan
Chloride	mg/L	****	150	Basin Plan
Sulfate	mg/L		300	Basin Plan
Barium	mg/L		1.0	BPJ-Previous Order
Iron	mg/L		0.3	BPJ-Previous Order
Fluoride	mg/L		1.6	Basin Plan
Detergents (as MBAS)	mg/L		0.5	Basin Plan
Nitrate + Nitrate-N	mg/L		8.0	Basin Plan
Manganese	μg/L		50	BPJ-Previous Order
Cyanide	μg/L	4.3	8.5	CTR
Antimony	μg/L		6.0	Basin Plan-Title 22
Arsenic	μg/L		10	USEPA MCL
Beryllium	μg/L		4.0	Basin Plan-Title 22
Cadmium	μg/L	2.0	4.0	CTR
Chromium (VI)	μg/L	8.1	16.3	CTR
Copper	μg/L	7.1	14.0	CTR
Lead	μg/L	2.6	5.2	CTR
Mercury	μg/L	0.05	0.1	CTR
Nickel	μg/L	35	96	CTR
Selenium	μg/L	4.1	8.2	CTR
Silver	μg/L	2.0	4.1	CTR
Thallium	μg/L	****	2.0	Basin Plan
Zinc	μg/L	53.6	119	CTR
1,1-Dichloroethylene	μg/L	3.2	6.0	CTR/BPJ-Title 22
Trichloroethylene	μg/L	******	5.0	BPJ/Basin Plan-Title 22
Perchlorate	μg/L		6.0	BPJ/DHS Action Level
2,4,6-Trichlorophenol	μg/L	6.5	13.0	CTR
2,4-Dinitrotoluene	μg/L	9.1	18.3	CTR
Alpha-BHC	μg/L	0.01	0.03	CTR
Bis(2-ethylhexyl)phthalate	μg/L		4.0	Basin Plan/Title 22
N-Nitrosodimethylamine	μg/L	8.1	16.3	CTR
Pentachlorophenol	μg/L	8.2	16.5	CTR
TCDD	μg/L	1.4E-08	2.8E-08	CTR
Radioactivity	μg/L	1.42-00	2.02-00	OTIV
Gross Alpha	pCi/L		15	BPJ/Basin Plan
Gross Beta	pCi/L		50	BPJ/Basin Plan
Combined Radium-226 &	P01/L			wi orwanii idii
Radium-228	pCi/L	100 Adv-100 Add	5	BPJ/Basin Plan
Tritium	pCi/L	****	20,000	BPJ/Basin Plan
Strontium-90	pCi/L		8	BPJ/Basin Plan

B. Following are the effluent limitations and the specific rationales for pollutants discharged from Outfalls 003 through 010.

		Dischar	ge Limitations	1
Acceptance of the Control of the Con	And the second s	Monthly	Daily	
Constituents	<u>Units</u>	Average	<u>Maximum</u>	Rationale
pH	pH Units		6.5-8.5	Basin Plan
Oil and grease	mg/L	Mr at 00-10	15	BPJ
Chloride	mg/L		150	Basin Plan
Sulfate	mg/L		250 <sup>2a</sup>	Basin Plan
Sulfate	mg/L		300 <sup>2b</sup>	Basin Plan
Boron <sup>1</sup>	mg/L		1.0	Basin Plan
Fluoride	mg/L		1.6	Basin Plan
Nitrate + Nitrate-N	mg/L		10.0 <sup>2a</sup>	Basin Plan
Nitrate + Nitrate-N	mg/L		8 <sup>2b</sup>	Basin Plan
Total dissolved solids	mg/L		850 <sup>2a</sup>	Basin Plan
Total dissolved solids	mg/L		950 <sup>2b</sup>	Basin Plan
Antimony	μg/L		6.0	Basin Plan/Title 22
Cadmium	μg/L		4.0	CTR
Copper	μg/L		14.0	CTR
Mercury	μg/L		0.13	CTR
Thallium	μg/L		2.0	Basin Plan
Lead	μg/L		5.2	CTR
TCDD	μg/L		2.8E-08	CTR
Perchlorate	μg/L		6.0	BPJ/ DHS Action Level
Radioactivity			***************************************	
Gross Alpha	pci/L		15	Basin Plan/Title 22
Gross Beta	pci/L		50	Basin Plan/Title 22
Combined Radium-226 &				
Radium-228	pci/L		5	Basin Plan/Title 22
Tritium	pci/L		20,000	Basin Plan/Title 22
Strontium-90	pci/L	*****	8	Basin Plan/Title 22

C. Following are the effluent limitations and the specific rationales for pollutants discharged from Outfalls 012 through 014.

		Discharge	e Limitations	
Constituents	Units	Monthly Average	Daily Maximum	Rationale
pH	pH Units		6.5-8.5	Basin Plan
Oil and grease	mg/L	10	15	BPJ
Chloride	mg/L	*****	150	Basin Plan

<sup>&</sup>lt;sup>1</sup> Limit is for discharges for Outfalls 003 through 007, 009, and 010 which flows to Calleguas Creek. It is not applicable to discharges from Outfall 008 to Dayton Canyon Creek.
<sup>2a</sup> This limit is for discharges which flow to Calleguas Creek from Outfalls 003 through 007, 009, and 010.

		Discharge	Limitations	
Constituents	Units	Monthly <u>Average</u>	Daily <u>Maximum</u>	Rationale
Sulfate	mg/L	*** ***	300	Basin Plan
Fluoride	mg/L		1.6	Basin Plan
Nitrate + Nitrate-N	mg/L	1-00 MIN 100 MIN 100	8	Basin Plan
Total dissolved solids	mg/L		950	Basin Plan
Settleable solids	ml/L	0.1	0.3	Basin Plan
Total suspended solids	mg/L	15	45	BPJ
Copper	μg/L	6.7	13.5	CTR
Mercury	μg/L	0.05	0.10	CTR
Lead	μ <b>g/L</b>	2.6	5.2	CTR
TCDD	μg/L	1.4E-08	2.8E-08	CTR
Naphthalene	μg/L		21	BPJ
Total Petroleum Hydrocarbons	μg/L		100	BPJ
Ethylene dibromide	μg/L		50	BPJ
Tertiary butyl alcohol	μg/L		12	BPJ
1,4-dioxane	μg/L		3	BPJ
Perchlorate	μg/L		6.0	BPJ/ DHS Action Level

D. Following are the effluent limitations and the specific rationales for pollutants discharged from Outfalls 015 through 017.

		Discharge	Effluent L	imitations	
<u>Constituents</u>	<u>Units</u>	<u>30-Day</u>	7-Day	<u>Daily</u>	<u>Rationale</u>
		<u>Average</u>	<u>Average</u>	<u>Maximum</u>	
pH	pH units			6.5-8.5	Basin Plan
Temperature	°F			86	BPJ/Thermal Plan
Total suspended solids	mg/L	30	45		40 CFR Part 133
BOD₅20°C	mg/L	30	45		40 CFR Part 133
Oil and grease	mg/L	10		15	BPJ
Settleable solids	ml/L	0.1	wir- 444 min-1911	0.3	BPJ
Total residual chlorine	mg/L			0.1	Basin Plan
Total dissolved solids	mg/L	****	···	950	Basin Plan
Fluoride	mg/L	<del></del>		1.6	Basin Plan
Chloride	mg/L	Market American		150	Basin Plan
Sulfate	mg/L		***	300	Basin Plan
Boron	mg/L			1.0	Basin Plan
Barium	mg/L			1.0	Basin Plan
Detergents (as MBAS)	mg/L	** AA ***	The real wine selection	0.5	Basin Plan
Coliform	MPN/100 ml	2.2		23	DHS/WRR
Turbidity	NTU			10.0	DHS/WRR
Nitrite-N (as Nitrogen)	mg/L			1.0	Basin Plan

		Discharge	Effluent L	imitations	
Constituents	<u>Units</u>	30-Day Average	7-Day Average	<u>Daily</u> <u>Maximum</u>	Rationale
Ammonia-N <sup>3</sup>	mg/L			5	Basin Plan
Nitrate + Nitrate as Nitrogen	mg/L	****		8.0	Basin Plan
Perchlorate	μg/L			6	DHS/Action Level
Cadmium	μg/L	2		4	CTR
Chromium III	μg/L			50	Basin Plan
Copper	μg/L	6.7		13.5	CTR
Mercury	μg/L	0.05		0.1	CTR
Nickel	μg/L	43	****	86	CTR
Zinc	μg/L	61		123	CTR
TCDD	μg/L	1.4E-8		2.8E-8	CTR

#### VII. Monitoring Requirements

#### A. Influent Monitoring for the Sewage Treatment Plants (Discharge Outfalls 015 – 017)

Influent monitoring for the sewage treatment plants is required during treatment operations (1) to determine  $BOD_5\ 20^{\circ}C$  and suspended solids removal rates; (2) to assess treatment plant performance; and (3) as a requirement of the Pollution Minimization Program.

#### B. Effluent Monitoring

To access the impact of the discharge to the beneficial uses of the receiving waters, the Discharger is required to monitor the conventional and priority pollutants and other identified parameters. Monitoring of these pollutants during treatment operations will characterize the wastes discharged.

#### C. Storm Water Monitoring And Reporting

Storm water runoff discharges from the SSFL are subject to requirements stipulated in this NPDES permit and the Discharger is required to comply with all applicable provisions of the Storm Water Pollution Prevention Plan (Attachment A of the Order). This plan includes requirements to develop, implement, and when appropriate update a Storm Water Pollution Prevention Plan (SWPPP) along with

<sup>&</sup>lt;sup>3</sup> SSFL must meet the total ammonia limitations contained in the Ammonia Basin Plan Amendment, Resolution 2002-011 adopted by the Los Angeles Regional Board on April 25, 2002 and by the State Board, OAL, and USEPA on April 30, 2003, June 5, 2003, and June 19, 2003, respectively.

<sup>4</sup> The observe of the state of the

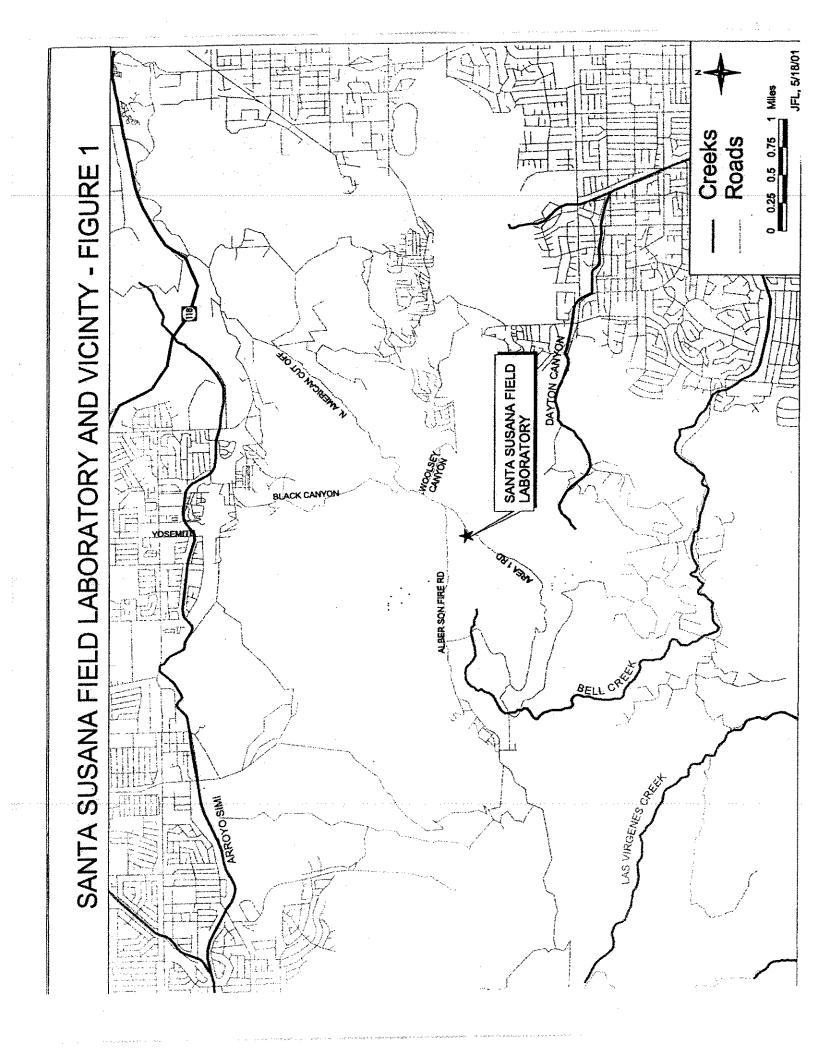
<sup>&</sup>lt;sup>4</sup> The chronic objective for ammonia is dependent on pH and temperature. At lower temperatures, the chronic objective also is dependent on the presence or absence of early life stages of fish (ELS) and a 30-day averaging period. Table 3.3 of the Basin Plan Amendment for Inland Surface Water Ammonia Objectives should be used to determine the appropriate limit that corresponds to the recorded pH and temperature.

<sup>&</sup>lt;sup>5</sup> The acute objective for ammonia is dependent on pH. Table 3-1 from the Basin Plan Amendment for Inland Surface Water Ammonia Objectives with Salmonids Absent should be used to determine the appropriate limit.

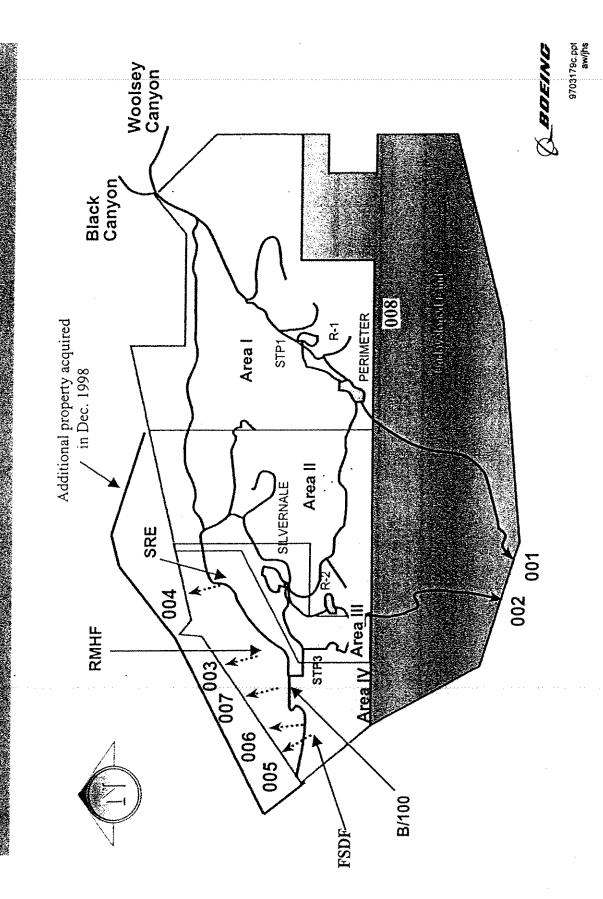
The Boeing Company Santa Susana Field Laboratory FACT SHEET

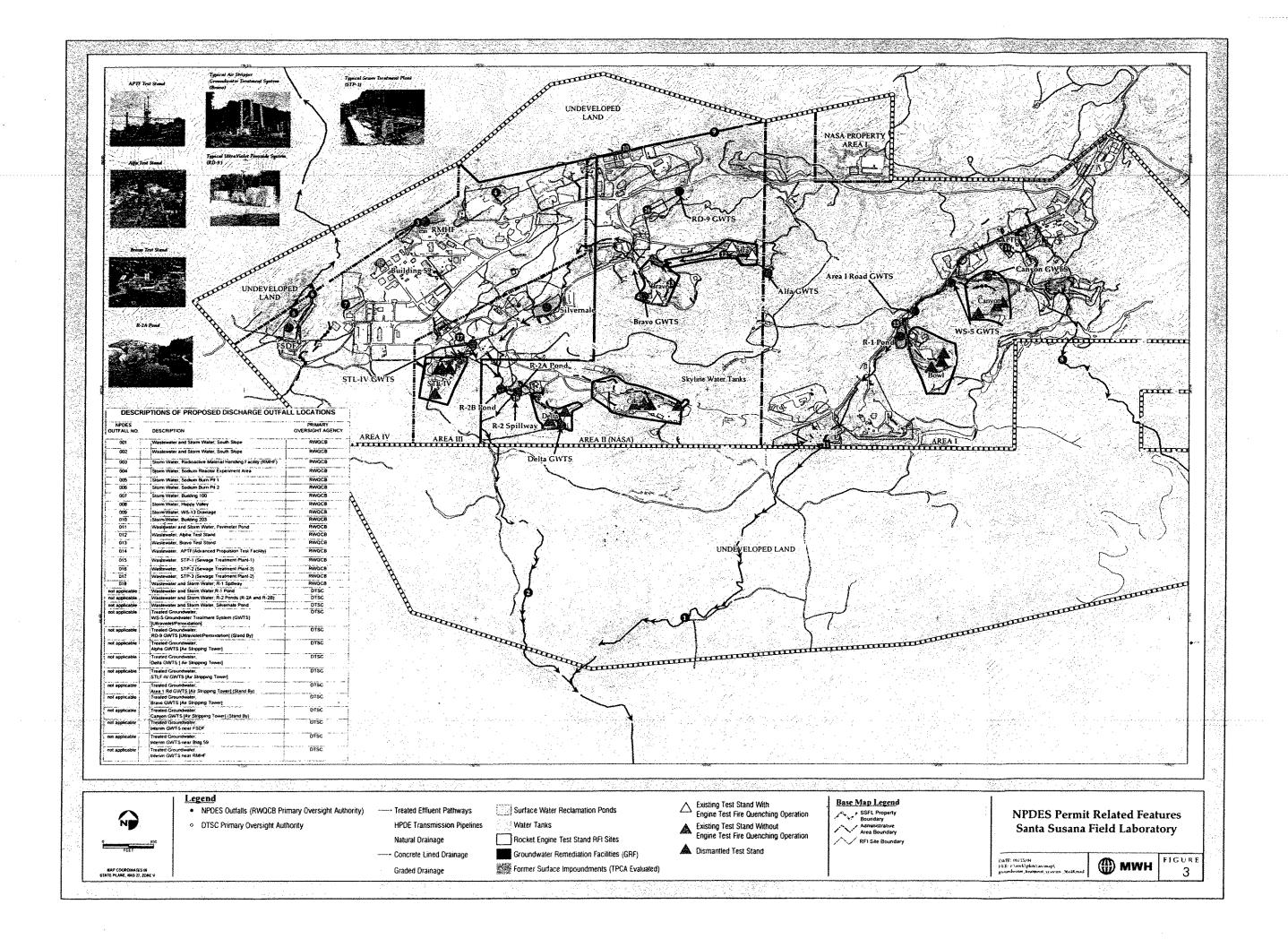
CA0001309

Best Management Practices (BMPs) with the intent of preventing all pollutants from contacting storm water and with the intent of keeping all contaminants of concern from moving into receiving waters.



# SSFL Surface Water Drainage Channels Ponds & Discharge Locations





#### **ATTACHMENT 1**

TABLE R1

Boeing SSFL
Outfalls 001, 002, 011, and 018
(CA0001309, CI-6027)

				••••	793 WWW. 0-010 A C A Fee and a mappy	CTRC	CTR CRITERIA										HUMAN	HUMAN HEALTH CALCULATIONS	ATIONS
					Fres	Freshwater	Humar	Human Health	Basin Plan		REASONABLE POTENTIAL ANALYSIS (RPA)	ABLE PO	TENTIAL	ANALYSI	S (RPA)	The state of the s		Organisms Only	<u>\$</u>
CTR#	DATE	Units	5	MEC	Cacute ::	C chronic = CCC tot	Not applicable C hh W&O C hh O	-	Title 22 GWR	LowestC	MEC >= Lowest C	Ther 1 - Need limit?	B B	Tier 2 - Need Ilmit?	Tier 3 - other info. ?	Tier 3 . In need		AMELTH # MDEL/AMEL ECA = C hh O multiplier #	*DEC hh
•	1 Antimony	성	0.6	THE PARTY OF THE P	0.95 NONE	NONE	71	4300		0.0	6.0 No	Go to Tier 2	2	2	Yes	Yes	4300	2.0	8,627
7	2 Arsenic	7	0.6	6.7	340	Prevention & Manhalana	150 NONE	NONE	20	50.0 No	No	Go to Tier 2	Q.	N	Yes	Yes	NONE	2.0	Adams, propries general grant
n	3 Beryllium	784	0.6	0.6	NONE	NONE	Narrative	Narrative	4	1	4.0 No	Q <sub>N</sub>	No	Q.	Yes	Yes	Narrative	2.0	enega egilikata Annas sa en Astronog
4	Cadmium*	7	9.0	0.25	***************************************	4.5 2.46	2.46 Narrative	Narrative	ហ	2.5 No	o Z	Go to Tier 2	S.	ON.	Yes	Yes	Narrative	0,0	
58	Chromium III'	nov.	0.0	27	1737	THE PERSON NAMED IN	207 Narrative	Narrative		207.0 No	No	Go to Tier 2	ž	S.	Q.	2	Narrative	2.0	
#	Chromium VI	7	9 0	77.00	16.3		11.4 Narrative	Narrative	05	4,1,4 N	N <sub>O</sub>	Go to Tier 2	N <sub>O</sub>	SS.	Yes	, kes	Narrative	2.0	the the second second second
6	6 Copper	48	85.0		3 14.0	9.3		1300 NONE		60.3	9.3 YES	Yes			PAPER TO THE PAPER		NONE	2.0	Polyter sport sport part of a summary
~	7 Lead*	100	9.0	8.70	81.8		3.2 Narrative	Narrative	The state of the s	3.2	3.2 YES	Yes		And the state of t			Narrative	2.0	erest recensive schemes des des des des
40	8 Mercury	J/M	9.0		0.32 Reserved	Reserved	0.08	0,051	N	0.05	6.05 YES	Yes					0.051	2.0	0,10
O.	9 Nickei*	7)/8/1	1.268	23	3 469.17	7 52.16	610	4600	100	52.16 No	No	Go to Tier 2	2	õ	Yes	Yes	4600	2.7	12639
2	10 Selentum	7/64	9.0	- Purificative design	0.9 Reserved		5 Narrative	Narrative	90	5.00	No No	Go to Tier 2	S <sub>O</sub>	ON.	Yes	Yes	Narrative	2.01	STAN WITH STAN AS A SECTION AS
F	11 Silver	a d	90	45	A PARTITION AND THE PARTITION OF THE	06 none	NONE	NONE		4.06 No	No	Go to Tier 2	Š.	O.	χes	Yes	NONE	2.01	No. of the Assessment of the A
2	12 ThaBlum	ğ	9.0	And the state of t	1 NONE	NONE	4.7	6.3	7	2.00 No	NO	Go to Tier 2	2	Q	Yes	Yes	6.3	3 2.01	12,64
2	13 Zinc*	ja V	0.727	8	•	20 120	120 none	NONE		119.82 No	<u> </u>	Go to	2	Ç	, ,	,	NO.	Č	

TABLE R1

Boeing SSFL

Outfalls 001, 002, 011, and 018
(CA0001309, Cl-6027)

1 Antimony 2 Arsenic 3 Beryllium 4 Cadmium* 6 Chromium VI 7 Lead* 7 Lead* 9 Nickel*		,		WATER STREET,	Anticolor and required and analysis of the state of the s				_				_		
\$\frac{1}{2} \cdot \frac{1}{2}		J.		www.weaka.w.caac.w	**	Freshwater				Fresi	Freshwater	to a good and the control of the con	PROPO	PROPOSED LIMITS	
1 N N 4 m ' m		Chits	ECA acute multiplier (p.7)		E/A acute m	ECA chronic multiplier	LTA chronic Lowest LTA	Lowest LTA	AMEL. multiplier (n=4)	MDEL muttig AMEL aq.life (n=4)	MDEL multiplier (n=4)	MDEL agifte	Lowest AMEL	Lowest MDEL	Recommendation
2 0 4 9 7 0		100H		0.32		0.53		od červno vocamná / 13 da do do dan	1.6		8	AND 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	***************************************	6,0	BPJ used to apply limit from Outfalls 001 and 002 to Outfalls 011 and 018.
8 7 9 2		196/L		0.32	109.2	0.53	79.1	1.67	1.8	122.8	3.1	246.4	A COMPANY CA A MARKATA A TAKAN A MARKATA MARKA	50.0	BPJ used to apply limit from Outfalls 001 and 002 to Outfalls 011 and 018.
4 6 7 8 6	The state of the s	Ħ		0.32	TO THE PARTY OF TH	0.53	- OVER THE PROPERTY OF THE PRO		1.6	10	, e		TO A THE STATE OF	# 0	BPJ used to apply limit from Outfalls 001 and 002 to Outfalls 011 and 018
<b>9</b> 1- 8 5	777	18		0.32	ř,	0.53	£.	1,3	9,1	2.0	£		0. 0.	0,4	BPJ used to apply limit from Outfalls 001 and 002 to Outfalls 011 and 018.
6 Copper 7 Lead*	2	ngv	Anthur	0.32	557.6	0.53	109.2	5		16		35	***************************************	AAA	No RPA at either Ouffall. No effluent limit applied
6 Copper* 7 Lead* 8 Mercury	Andriana i udiany ny mpa vinana		or department	0.32	5.2	0.53	6.0	5.2	4. 6.	80 1.80	 4	16.3	60	16.3	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
7 Lead* 8 Mercury 9 Nickel*		ź		0.33	8.4	0.54	5.0	4.6		,	3.0	0,41		44.0	Tier 1 RPA. BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
8 Mercury 9 Nickei		Ą		0.32	26.2	0.53			Andreas Andreas Andreas	A CA CACAGARA I ACA C			navora des sociales de la composição de la	235	Tier 1 RPA. BPJ used to apply effluent limt at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
9 Nickel		Mark	LANDAU AND	0.32		0.53					3.1		0.05	0.10	Tier 1 RPA. BPJ used to apply effluent limt at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
		, pg/L		0.17	7.77	0.31	16.0	16.0	22	200		96	e e	17 19 01	BPJ used to apply effuent limit at Ouffalls 001 and 002 to discharges from Outfalls 011 and 018.
10 Selentum		7	A CONTRACT	0.32		0.53	2.6	2.6						8.2	BPJ used to apply effluent limit at Outfatis 001 and 002 to discharges from Outfalis 011 and 018.
11 Silver	A COLUMN TO THE PROPERTY OF TH	<b>*</b>		0.32		0,53		C +	ANA VERMI A FAA SIIINAAAAAAA	9	3.1	4	2.0	4	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
12 Thallum		Hg/L		0.32	Ampleopti rymnododomas	0.53	TO DOOL VALUE AND ALLERA AND ALLE		1,6	20	ń	auto pro province de la constante de la consta	S. O	2.0	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018
13 Zinc*		ā		0.27	32.6	0.47	56.2	32.6	£.		10 10	3.7 120	54.6	6. 6.	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.

Boeing SSFL Ouffalls 001, 002, 011, and 018 (CA0001309, Cl-6027)

CTR# DATE  14 Cyanide  15 Asbestos  16 2.3.7.8-TCDD (Dioxin)  17 Acrolein  18 Acrylonitrile  2 Bromoform  2 I Carbon Tetrahloride  2 Bromoform  2 Chlorobenzene  2 Chlorobenzene  2 Chlorobenzene  2 Chlorobenzene  2 Chlorobenzene  2 Dichlorobromomethane  2 Chlorobromomethane  2 Chlorobromomethane  2 Chlorobromomethane  2 Chlorobromomethane  2 Chlorobromomethane	Units  L 199.1	8	A 4 2	Fres	reshwater  B = C chronic	Human Health Not		Basin Plan		KEASONABLE PO (ENIIAL ANALYSIS (RPA)	L L	AL ANAL	rsis (RP)	•	Add desired and Added construction of the second	Organisns Only	à
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16 2.3.7.8-TCDD (Dloxin) 17 Acrolein 18 Acrylonitrile 19 Benzene 20 Bromoform 21 Carbon Tetrahlonde 22 Chlorobenzene 23 Dibromochloromethan 24 Chloroethane 25 2-chloroptomochane 26 Chloroethane 27 Dichlorobromomethane 28 1.1-Dichloroethane			).6 4E-06 3.8 <4.6 3.6 <5.1	NONE	NONE	7,000,000 NONE		7x10*6 7	7x10^6 No	Te	S No	ON 0	Q.	ş	***************************************		A 100 000 000 000 000 000 000 000 000 00
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26 Chloroform 27 Dichlorobromomethan 28 1,1-Dichloroethane	TVFWHAP A A A A A A A A A A A A A A A A A A		0.6 <5	NONE	NONE		NONE				T	Q	j	Ş	TO THE PARTY OF TH		and an amount of the state of t
27 Dichlorobromomethane 28 1,1-Dichloroethane	hg/L		0.6 <2	NONE	NONE	pe	Reserved		2	No Criteria Go ta Available Tier		2		CN		Maria Colored del Action del Actioned del Colored del	and the standard of the standa
28 1,1-Dichloroethane	V / COS SIAA I AAMII WAA QUUUNAA		0.6 <2	NO M	NONE	ω	46		6	Go to Tier 2	1	-		2 2	VANHERIS STRATERANIA MARIEN A LIGARINA A A	With Attention of Attention of the state of	A A Statement Statement A A statement of the statement of
	ng∕L		0.6 <2	NONE	NONE		NONE	ú		So t				9	NAVA SAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Water the control of	
29 12-dichloroethane	than to commy and only control of the Administratory major agerty on		0.6 <2	NONE	NONE	0.38	66	0.5		Go to Tier 2		ļ		Q	***************************************	Annual VIII Annual	
30 1,1-Dichloroethylene			♥	NONE	NOME	0.057	3,5	φ	3.2 No	Go to	Q %	Q	,	Yes		3.2	9
31 1,2-dichlooropropane	μ9/L		0.6 <2	NONE	NONE	0.52	38	4	5 No	Go to Tier 2		-		ON ON		A	y determination of a second
32 1,3-dichloropropylene	ngy		0.6 <2	NONE	NONE	10	1,700	0.5	0.5 No	Go to Tier 2				Q		THE PART AND ADDRESS OF THE PA	
33 Ethylbenzene	ng/L		0.6 <2	NONE	NONE	3100	29,000	0.7	0.7 No	Go to Tier 2				S			
34 Methyl bromide	Water Commence		0.6 <5	NONE	NONE	48	4,000		4,000 No	Go to Tier 2		ļ		Ş	The state of the s	Mich A A A A A A A a mich A a A A A a a a A A a a a a a a a a a	of a fig. Whitefact to the changes the Philadesia and a fine of the changes and a fine of the ch
35 Methyl chloride	no.		<5	NONE	NONE	Namative	Narrative	I .	No C Narrative Avai	No Criteria Go to. Available Tier 2	o No Sata			S			
36 Methylene chloride	T/Ort		0.6 <5	NON	NONE	4.7	1,600		1,600 No	Go to Tier 2	S S S	<u>8</u>	<u>Q</u>	Ş			
37 1,1,2,2-tetrachtroethne	780		0.6 <2	NONE	NONE	0.17	11	1	₽ Vo	Go to Tier 2	200	Q 2	<u>8</u>	Š			

TABLE R1

Boeing SSFL
Outfalls 001, 002, 011, and 018
(CA0001309, CI-6027)

					AQUATIC	AQUATIC LIFE CALCULATIONS	LATIONS		4	AQUATIC LIFE CALCULATIONS	CALCULATIC	SNS			
				ľ		Freshwater				Fres	Freshwater		PROPOS	PROPOSED LIMITS	
CTR#	DATE	· S	ECA acute multiplier (p.7)		LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA	Lowest LTA	AWE1. multiplier (n=4)	MDEL multiplier AMEL aq.life (n=4)	MDEL multipiler (n=4)	MDEL aqlife	MDEL agiffe Lowest AMEL	Lowest MDEL	Recommendation
4	4 Cvanide	Ĭ		c	,	6			d *	4				u a	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from
\$	15 Asbestos	Spers/	ļ												No RPA at either Outfall. No effluent limit applied
91	16 2.3.7,8-TCDD (Dioxin)	101		28.0	**************************************	0.5		ALE	5.		e,		1.4E-08		Tier 1 RPA. BPJ used to apply effuent limit at Outfalls 001 and 002 to discharges from Outfalls 2.8E-08 011 and 018.
17	17 Acrolein	PO/L			The state of the s								MAK.		Interim Monitoring - No Limit
16	19 Acrylonitrile	7,64			THE PERSON OF TH									•	Interim Monitoring - No Limit
15	19 Benzene	Hav.			ou ou man ou		TO THE PERSON NAMED IN COLUMN 1						1	1	Interim Monitoring - No Limit
30	20 Bromoform	1101		The state of the s											interim Monitoring - No Limit
23	21 Carbon Tetrahloride	NO.									A THE STATE OF THE	area, prominent of a prominent of the second	BANK	***	Interim Monttoring - No Limit
22	22 Chlorobenzene	ng L		V POPULATION AND AND AND AND AND AND AND AND AND AN									1	,	Interim Monitaring - Na Limit
E.	23 Dibromochloromethane	Mg/L											1	***	Interim Monitoring - No Limit
24	24 Chloroethane	201											1		No Limit - No Criteria Available
25	25 2-chloroethyl vinyl ether	rigit.									100		***	*	No Limit - No Criteria Available
×	26 Chlorotorm	μg/L			A m A double A A should as a second	TO THE PROPERTY OF THE PROPERT		Williams (W.) defining the control of the control o	ANTHER VANCOURS OF PRESENTATION AND ASSESSMENT OF THE PRESENT OF T	And the state of A Westernam A And the State of Andrews				•	No Limit - No Criteria Available
12	27 Dichlorobromomethane	ngd			The state of the s			ARTHROPAS ASSESSMENT A	OF THE PERSON OF	And the second of the second o	Table Committee	AND	A A A A A A A A A A A A A A A A A A A	A A A A A A A A A A A A A A A A A A A	Interim Monitoring - No Limit
25	28 1,1-Dichloroethane	Jugy.				THE PERSON NAMED AND PROPERTY OF							ı		Interim Monitoring - No Limit
č	29 1,2-dichloroethane				Antonio to A relation in the color of second	WII (W. Co & B	Control of the Contro						-	***************************************	Interim Monitoring - No Limit
**************************************	30 1,1-Dichloroethylene	<del>da</del>		0.32		0.55		•			···		e,	æ	BPJ used to apply effluent itmit at Cuttalls 001 and 002 to discharges from Outfalls 011 and 018.
8	31 1,2-dichlooropropane	µg/L				of the state of th	THE	A THE STATE OF THE			And the second of the second o			•	Interim Monitoring - No Limit
Ö	32 1,3-dichloropropylene	hãv			THA WAY ARRANGE AND A STATE OF THE STATE OF			WATER AND A STATE OF	MARKET PLOA APPRICAMENTAL PROPERTY.	anno anno monte de company	200	And A de American Control of American Association	NAVA J POLITON AN VETTALA A ARTICLA AR	PANDATON PROCESS FRANCISCO	Interim Monitoring - No Limit
S	33 Ethylbenzene	ugA				***************************************							3		Interim Monitoring - No Limit
ė,	34 Methyl bromide	₽g⁄t.			Old American Control of Control o	# 1-17 #P 1-07 -00000 # 111 Omm A -0.0							1	•	Interim Monitoring - No Limit
m	35 Methyl chloride	no.t		W	Wideliff Asserting								## ## ### ############################	ANTARAMAN ANARAMAN A	No Limit - No Criteria Available
3	36 Methylene chloride	η <sub>0</sub> ου				***************************************									Interim Monitoring - No Limi
r)	37 1,1,2,2-tetrachlroethne	100V											:	:	Interim Monitoring - No Limit

## Boeing SSFL Outfalls 001, 002, 011, and 018 (CA0001309, Ci-6027)

					The state of the s	CTR CRITERIA	HERIA										HUMAN	HUMAN HEALTH CALCULATIONS	JLATIONS.
					Frest	reshwater	Human Health	£8. ₹	Basin Plan		REASONABLE POTENTIAL ANALYSIS (RPA)	BLE POT	NTIAL A	NALYSIS	(RPA)			Organishs Only	<u>.</u>
CTR#	DATE	t Chilts	5	MEC	Cacute CMC tot	C chronic = CCC tot	Not C chronic applicable = CCC tot C hh W&O C hh	o	Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need Ilmit?	B>C	Tier 2 - Need Ilmit?	Tier 3 · other info. ?	Tier 3 - need limit?	AMELHh = ECA = C hh C	AMELIN MOEL/AMEL	ØDEL IN
88	8 Tetrachloroethylene	<u> </u>		٥	i NON	S S	Q C	0				Go to				9	A CONTRACTOR OF THE CONTRACTOR		
35	39 Tohiens	b 5		, ,	1	) i		2	3	0	2	Go to	02	7	2	2	WA188110110101010101010101010101010101010		
THAT WAS A STATE OF THE STATE O	R FEATURE TO THE	Š	0	75	N C	SON	9800	200,000	150	150 No	No.	Tier 2	Š	္ဌ	Ş	2	***************************************	A COLUMN TO A COLU	
4	40 Trans 1,2-Dichloroethylene	ng/L	0.6 <2	75	NONE	NONE	700	140,000	10	10	No	Tier 2	2	운	ş	S S			
41	41 11.1-Trichloroethane	1,00,0	0.6		0.74 NONE	NONE	Narrative	Narrative	200	200 No	No	Go to Tier 2	2	Ş	Q.	Š			
42	42 1,1,2-trichloroethane	hg/L	9.0	\$	NONE	NONE	0.6	42	£	5	5 No	Go to Tier 2	2	Š	ON ON	9			
;							animalanda (animalanda en eledia animalanda en eledia animalanda en eledia animalanda en eledia animalanda en	· · · · · · · · · · · · · · · · · · ·				Go to			AND TO REMINISTER OF THE PROPERTY OF THE PROPE	A THE P PER PARAMETER A THE PA	THE RESIDENCE AND A STREET OF THE STREET OF		WAA "TRACK TOWN THE ADMINISTRATION OF THE AD
4	43 Trichloroethylene	1/01	9.0		1.4 NONE	NONE	2.7	84	60	\$	No	Tier 2	8	Ş	Yes	Yes	8	2.0	163
44	44 Vinyl chloride	ng 4	9.0	çş	NONE	NONE	2	525	0.5	0.5 No	No	Ge to Tier 2	ટ	ş	2	Q S			
46	45 2-chlorophenol	ng√L	9.0	⊽	NONE	NONE	120	400		400 No	No Vo	Go to Tier 2	2	9	9	2		~~~~	
46	46 2,4-dihlorophenol	707	0.6	8	NON	NONE	693	790		790 No	No	Go to Tier 2	2		2	S			
47	47 2,4-dimethylphenol	hg/L	90	Ş	NONE	NONE	540	2,300		2,300 No	No	Go to Tier 2	2		9	2	NA PRIMITA Ann. distribe dissista	A COLUMN TO THE PERSON OF THE	
4	4,0-uringo-o-resoi 48 (aka2-methyl-4,6-Dinitrophenoi)	Pgd	0.6 <5	\$	NONE	NONE	13.4	765		765 No	No	Go to Tier 2	2		8	2	Andrew description of the section of	TALLO CARROLL STATE OF THE STAT	The same of the sa
45	49 2,4-dinitrophenol	ндγ	0.6 <5	ŝ	NONE	NONE	70	14,000		14,000	No	Go to Tier 2	2		9	2	NA PARAMETA Assessment as a discussion of the same of	A CONTRACTOR OF THE PARTY OF TH	
ķ	50 2-nitrophenol	ካይሆ	9.0	0.6 <2	NON	NONE	NONE	NONE		None	No Criteria ne Available	Go to Tier 2	2		9	9	WILLIAM TO THE		
5.	1 4-nitrophenol	ивγ	0.6	\$	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	2		9	2	And the state of t	**************************************	
52	3-Methyt-4-Chtorophenol 52 (aka P-chloro-m-resol)	1,67	0.0	2	NON	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	2	Ť	9	9	V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-		***************************************
ស៊ី	53 Pentachlorophenol	Ž	Š	*	pH depend	Pend of depend	0.28	80	₩.	•		Go to Tier 2	2		, ac	X	, a		45
Š	54 Phenol	Hg/L	0.6	₽	NONE	NONE	21,000	4,600,000		4.6x10^6		Go to Tier 2	2	1	ON ON	9	4600000	A VANDALA A VARIANTA A ARIA A A A A A A A A A A A A A A A A	92284
Š	55 2,4,6-trithlorophenol	Ţ Î		τ	NONE E	NONE	2	80 87		o Z	o Z	Go to Tier 2	Ş	Ş	Yac	ž	4 4		
ă	56 Acenaphthene	70d	9.0		NON	NONE	1200	2,700		2.700	92	Go to Tier 2	2		C	Ç.			C. Marcon Communication of the
S	57 Acenaphthylene	MB/L	9.0	8	NONE	NONE		NONE	TO THE PARTY OF TH	NONE	No Criteria Available	Go to Tier 2	Ą		Q	2			A company of the party of the p
Š	58 Anthracene	100 J	9.0	<b>⊘</b>	NONE	NONE	0096	110,000		110,000 No	S <sub>o</sub>	Go to Tier 2	운	9	9	92			
Š	59 Benzidine	HD/L	0.6	0.6 <5	NONE	NONE	0.00012	0.00054		0.00054 No	No	Go to Tier 2	2	Ş	Ş	Ş	V. C.		
ğ	60 Benzo(a)Anthracene	HØL	90	0.6 <5	NONE	NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	2		9	2			
9	61 Benzo(a)Pyrene	PB/L	9'0	0,6 <2	NONE	NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	2	ð	Q.	Š			
8	62 Benzo(b)Fluoranthene	Von	90	0.6<0.5	NONE	NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	2	2	Ş	2			

# TABLE R1

Boeing SSFL Ouffalls 001, 002, 011, and 018 (CA0001309, CI-6027)

			Pertor and a second sec	AQUATIC	AQUATIC LIFE CALCULATIONS	ATIONS		AQ	AQUATIC LIFE CALCULATIONS	ALCULATION	\$2			
				The second secon	Freshwater	TOTAL PROPERTY.			Freshwater	vater	CALL CAMPAGE AND	PROPOS	PROPOSED LIMITS	
CTR#	DATE	Chills	ECA acute muttiplier (tp.7)	LTA acute	ECA chronic multipler	LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEL multiplier AMEL aq iffe (n=4)		WDEL aqlife	MDEL aglife Lowest AMEL	Lowest MDEL	Recommendation
ñ	38 Tetrachloroethylene	7,8								ana andra de antinada anolo el estrolo el el estrolo e		t		Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
36	39 Totuene	µg/L			TO THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OW		A WEST OF STREET, PRODUCES AND		Make from a first trademark AA stressman or AAA, agus AAAA	The same of the sa		44	***	Interim Monitoring - No Limit
3#	40 Trans 1,2-Dictitoroethylene	ron Ton											•	Inferim Monitoring - No Limit
41	41 1,1,1-Trichloroethane	hg/L										***	1	Interim Monitoring - No Limit
4	42 11.12-frictionethane	NO.T	Part W. Harris W. C. Waller, M. C. Add			THE THE THE THE LITTLE AND AND AND AND AND AND A		A collect A de decision of a Management	Andread Andread Andread and a State of Andread Anne Antread Anne Andread Anne Andread Anne Andread Anne Anne Andread Anne Anne Anne Anne Anne Anne Anne Ann			ere en emilian en establishe de de la difeste de de la decentration de	And the statement of different Asternation (Asternation or statement of the statement of th	Interim Monitoring - No Limit
				· · · · · · · · · · · · · · · · · · ·	1	enn den stellenheide kunterfellenheid der eine								BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from
4 4	44 Vinyi chlonde	<b>1</b> 4	0.32108321	VIII	0.52743344		**************************************	1.55242461		K.	ATTACK ATTACK AND	ŧ t	0.6	Outtails 011 and 018. Interim Monitoring - No Limit
4	45 2-chioraphenol	PQ4.					and the second				and the second s	ŧ	t	Interim Monitoring - No Limit
*	46 2,4-dihiorophenoi	100/5									and the same of th			Interim Monitoring - No Limit
4	7 2.4-dimethylphenol	1601	SET OF EXCHANGES ON THE SET OF SECURITIES AS A SECURITIES OF SECURITIES			***************************************						***************************************	PRATEGURANNA LANGUANNA NA MARANA NA	interim Monitoring - No Limit
4	4,o-drintro-o-resol 48 (aka2-methyl-4,6-Dinitrophenol)	ngy		ARRA A daniela A continuido de	The state of the s							I.		interim Monitoring - No Limit
4	49 2,4-dinitrophenol	1/01	THAT I CHAPTER WAS ASSESSED AND THE SEASON OF THE SEASON O									1	***************************************	Interim Monitoring - No Limit
ភ	50 2-nitrophenol	M9/L									Many of American Management of American	1	1	No Criteria Available
Ċ.	51 4-nitrophenol	ugh						A A A A A A A A A A A A A A A A A A A				**************************************	***	No Criteria Available
ď	3-Methyl-4-Chlorophenol 52 (aka P-chloro-m-resol)	hg/L		ALALAS DE PARTICIONAL PROPERTIES DE LA CONTRACTOR DE LA C	A 100 CO									No Criteria Available
NO N	53 Pentachlorophenol	į	0.32		0.53			 6.1.		3.1		88	<u>ئ</u> ئ	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
\$	54 Phenol	MO/L	0.32		0.53			1.6		3.1		,	1	Interim Monitoring - No Limit
19	55 2,4,6-tritlorophenol	<u> </u>	0.32		0.53					Ñ		6.5	13.0	BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
ເຄ	56 Acerachthene	ηđγ			·								,	Interim Monitoring - No Limit
S)	57 Acenaphthylene	μg/L		THE RESIDENCE OF THE PARTY OF T									Ann / Exception ( ) I have been properly to the property of th	No Criteria Available
u7	58 Anthracene	100		The state of the s		And My depth and a 1 A Aphilian A A A a share track a share	mpm monace executive of the section Act of		A STATE OF THE STA			The state of the s	79	Interim Monitoring - No Limit
3	59 Benzidine	поч									-	1	•	Interim Monitoring - No Limit
	60 Benzo(a) Anthracene	ng/L	100 Y A 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	THE THE PERSON WE WILL THE PERSON WE WANTED			V S CORROTT PROMOTE AN INSTRUMENTAL HILLIAN			leren III. II. canada and a can		•		Interim Monitoring - No Limit
٥	61 Benzo(a)Pyrene	νbin		WF FF PPP FAN WAS AND A STANDARD AND								***************************************	1	Interim Monitoring - No Limit
	62 Benzo(b)Fluoranthene	nov										-		Interim Monitoring - No Limit

Boeing SSFL Outfalls 001, 002, 011, and 018 (CA0001309, Cl-6027)

CTR#							Human Health				CALCOLUMN TO LEW THE PRINCIPLE SIZE (NATA)			WALL OF	2		_		
<b>*</b>					Fres	reshwater	who many are and man	-	Basin Plan		de la company de							Organisms Only	Ou∳
	DATE	Units	Š	ပ မ	C acute =	C chronic * CCC tot	Not applicable C th W&O C th O		Title 22 GWR	Lowest C	MEC >=	Tier 1 - Need limit?		Tier. 2 - Need timit?	Tier 3 - other info.	Tier 3 · need limit?	AMELIN = MDEL/AM	MDEL/ AMEL	A A A
æ	63 Benzo(ghi)Perviene	FB V			NONE		NONE			NONE	No Criteria Available	Go to Tier 2	1	-	Q.	4			
Q	64 Benzo(k)Fluoranthene	μg/L	ő	0.6 <0.5	NONE		044	0.049		0.049	QN.	Go to Tier 2	£	Q	Q.	Ş		and the contract of the second description o	
65	65 Bis(2-Chloroethoxy) methane	1/6ri	0	0.6 < 0.5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	2	Š	QQ QQ	9	V	and the state of t	
99	66 Bis(2-Chloroethyl)Ether	PQ/L	ō	0.6 <0.5	NONE		031	4.1			4 No	Go to Tier 2	2	Q.	Ç	Ş			
6)	67 Bis(2-Chlorolsopropyr) Ether	nav	ő	0.6 <0.5	NONE	NON	1400	170,000	THE PERSON NAMED OF PERSON	170,000 No	Q.	Go to Tier 2	2	ON.	NO	Ş			
88	68 Bis(2-Ethylhexyf) Phthaiste	1,6d/	9.0		2.2 NONE	NONE	4. 80	ଫ କୀ	4	4	Ŷ.	Go to Tier 2					vi	5.9 2.006189157	11.837
99	69 4-Bromophenyl Phenyl Ether	J/Sri	ō	۲	NONE	NONE		NONE		NONE	No Criteria Available	Go to Tier 2	2	9	9	9			AFRICA IA INTERNACIO
20	70 Butylbenzyl Phthalate	ng/L	Ö	0.6 <5	NONE	NONE	3000	5,200		5,200	Q.	Go to Tier 2	ž	2	8	9	444100 assertance 7.7%, control 2.7%	** - M18090-1 A.S. & - J. F. & - J.	
11	71 2 Chloronaphthalene	Ž	o	0.6 <0.5	NONE	NON	1700	4,300		4,300 No	No	Go to Tier 2	Š.	2	9	Q			
7.	72 4-Chlorophenyl Phenyl Ether	MOA	ō	0.6 <0.5	NO ME	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	2	2	9	2	d and and another annually account the state of the state	TANK AND	
7.	73 Chrysene	MOV	0	0.6 <0.5	NONE	NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	Š	Š	9	9			
7.4	74 Dibenzo(a,h)Anthracene	µg/L	0	0.6 <0.5	NONE	NONE	0.0044	0.049	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O	0.049 No	No No	Go to Tier 2	S	Ş	ş	2			
7.5	75 1,2-Dichlorobenzene	ηdγ	O.	0.6 <0.5	NONE	NONE	2700	17,000	900		600 No	Go to Tier 2	Š	Š	9	8			
7.6	76 1 3-Dichlorobenzene	1994	0	0.6 <0.5	NONE	NONE	400	2,600		2,600	ON 009	Go to Tier 2	N	8	Ş	õ			
77	77 1,4-Dichlorobenzene	hg/L	ő	0.6 <0.5	NONE	NONE	400	2,600	5	5	No	Go to Tier 2	ž	9	ջ	9			
7.	78 3.3-Dichlorobenzidine	100/L	0	0.6 <5	MONE	NONE	0.04	7,70.0		0.077 No	, on	Go to Tier 2	Ş	2	9	2			
7.	79 Diethyl Phthalate	µg√.	0	0.6 <1	NONE	NONE	23000	120,000		120,000 No	No No	Go to Tier 2	ş	2	9	Ş			
36	80 Dimethyl Phthalate	MOV	O	0.6 <0.5	NONE	NONE	313000	2,900,000		2.9x10^6	No	Go to	£	۶	9	Q.			
æ	81 Di-n-Butyl Phthalate	ηđη	0	0.6 <2	NONE	NONE	2700	12,000	-	12,000 No	No	Go to Tier 2	Š	Ş	Q.	9			
ă	82 2.4-Dinitrotoluene	Š		0.6 <-S	NONE	NONE	17.0	ą,		9		Go to Tier 2	£	Ç	Š.	Xe x	<b>a</b>	2.07	67 60 77
85	83 2,6-Dinitrotoluene	70d	0	0.6 <5	NONE	NONE		NONE	CONTRACT A CARACTER OF THE CONTRACT OF THE CON	NONE	No Criteria Available	Go to Tier 2	2	2	9	9		an are a management of a management of the same of the	
Ď	84 Chro-Octyl Phthalate	NG/L	0	0.6 <5	NONE	NONE		NONE		NONE	No Criteria Available	Go to Tier 2	S <sub>O</sub>	2	Q.	S S			
É	85 1,2-Diphenylhydrazine	WD/L	0	0.6 <1	NONE	NONE	0.04	0.54		0.54	N <sub>O</sub>	Go to Tier 2		2	£	2			مدحسم
ő	86 Fluoranthene	100	Ö	0,6 <0.5	NONE	NONE	300	370		370	370 No	Go to Tier 2	Ş	2	9	Ş			
80	87 Fluorene	MO/L	0	0.6 <0.5	NONE	NONE	1300	14,000	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O	14,000 No	ON ON	Go to Tier 2	No	S	Q	Q	A CANADA A C		
8	88 Hexachlorobenzene	MOAL	0	0.6 <1	NONE	NONE	0.00075	0.00077		0.00077 No	N <sub>O</sub>	Go to Tier 2	ž	Š	2	8			
8	89 Hexachlorobutadiene	μΩΛ	ó	0.6 <2	NONE	NONE	0.44	82		20	50 %0	Go to Tier 2	£	2	9	Ş			

# Boeing SSFL Outfalls 001, 002, 011, and 018 (CA0001309, CI-6027)

				AQUATI	AQUATIC LIFE CALCULATIONS	ATIONS		AQ	UATIC LIFE C.	AQUATIC LIFE CALCULATIONS				
and the second of					The state of the s	NATA ANG MANAGEMENT AND ANG	THE		Creek	ANY THE ANY OF ANY THE ANY	200 A ANGELIA A A ANGELIA A A A A A A A A A A A A A A A A A A	SCACAO	STIME GESOGOGO	
					rresnware				Freshwater	vater		rkurus	CD FIMILS	
CTR# DATE			ECA acute multiplier (p.7)	LTAacute	ECA chronic	LTA chronic Lowest LTA	LowestiTA	AMEL multiplier fn=4)	MDEL multiplier AMEL ag life (n=4)		Et aolife	MDEL aciffe Lowest AMEL	Lowest MDEL	Recommendation
C. 2	American programment of the contract of the co	3	Name and Advanced Control of the Con	***************************************			NV TERROR TO THE			1				A Care Called and A Care Care Called A Care Care Care Care Care Care Care Care
auskis Lindoniae co	rei yenie	1			00 00 00000 A A AAAA BAAAA AAAA AAAA AA					***************************************	ACTION AND ADDRESS OF THE PARTY	entente mententente ententente entententente entententente	*	NO CARRIE AVAIIADIE
64 Benzo(k)Fluoranthene	koranthene	140/L	with the same of t			PHILIPPIN PRINCES AND VALUE AND VALUE OF THE PARTY OF THE			A COUNTY OF STREET AND STREET	And deleted and the latest of			-	Interim Monitoring - No Limit
65 Bis(2-Chlo	65 Bis(2-Chloroethoxy) methane	ng/L	A A A A A A A A A A A A A A A A A A A	*/110				O . ADDRESS OF CO.				THE STREET, ST	*	No Criteria Available
66 Bis(2-Chloroethyl)Ether	roethy)Ether	ng/t	THE PERSON WATER TO THE PE									4	The Control of the Co	Interim Monitoring - No Limil
67 Bis(2-Chlo	67 Bis(2-Chloroisopropyl) Ether	TAGA TAGA						- Control Cont				ŧ		Interim Monitoring - No Limit
														BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from
68 Bis(2-Eth	68 Bis(2-Ethylhexyl) Phthalate	HO/L	0.32108321		0.52743344	THE VIOLENCE OF STREET, STREET	AND I PORTION OF THE PROPERTY.	1.55242461		3.1144574	A PARTIES A PART		4,0	Outfalls 011 and 018.
69 4-Bromop	69 4-Bromophenyl Phenyl Ether	JVB/L	american and a second	The state of the s							100011111111111111111111111111111111111	### ##################################	900 10.00.0 17 VII.0 100 A. 10.0 THE ADDRESS OF ADDRESS	No Criteria Available
70 Butyfbenzyl Phthalate	yl Phthalate	15G/L	Assessment	PARTIES THAT THE PARTIES AND THE STREET WAS SELECTED AND THE SELECTED AND			TO THE OWNER OF THE OWNER OWNER OF THE OWNER			WOODS A PASTALWANIES AND THE STATE OF	THE PERSON NAMED AND POST OF THE PERSON NAMED			Interim Monitoring - No Limi
71 2-Chloronaphthalene	aphthalene	<sub>ከ</sub> ያለ					111111111111111111111111111111111111111				A STATE OF THE STA	1		Interim Monitoring - No Limi
72 4-Chioropi	72 4-Chlorophenyl Phenyl Ether	May	41/M1.man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man/A1/man	PILITERNALWORDERN WARRIAGO FRA			A A A A A A A A A A A A A A A A A A A		A NOTATION OF STREET, ST.	And A company of the Andrews of the		2		No Criteria Avallable
73 Chrysene		ηση		w/man-41.117mm/m/m/m/m/m/m/m/m/m/m/m/m/m/m/m/m/m/								I	,	Interim Monitoring - No Limit
74 Dibenzo(a	74 Dibenzo(a,h)Anthracene	ng/t	era vana anv an era vana de la la vana de la	**************************************					A An a n. mad a bost misson was a very model or september or	MATERIAL OF CHIEF OF THE CONTRACT OF THE CONTR		ATAT A TA RESIDENCE ATA A TA MARKET AND A STATE AT A STATE AT A STATE ATAT A STATE AT A STATE ATAT A STATE A STATE ATAT A STATE ATAT A STATE ATAT A STATE ATAT A STATE A STAT	**************************************	Interim Monitoring - No Limit
75 1,2-Dichlorobenzene	robenzene	nθγ										•	•	Interim Monitoring - No Limil
76 1,3-Dichlorobenzene	robenzene	MOL		A A A A A A A A A A A A A A A A A A A			And the second s	Annua von summono Anteria, monocana				4		Interim Monitoring - No Limi
77 1.4-Dichlorobenzene	robenzene	PO/L										ŧ	•	Interim Monitoring - No Limi
78 3.3'-Dichlorobenzidine	robenzidine	NOV.				Viantonia Annual				A A A A A A MANAGEMENT AND A A A A A A A A A A A A A A A A A A	The state of the s		1	Interim Monitoring - No Lim
79 Diethyl Phthalate	ithelate	70m										;	1	Interim Monitoring - No Limi
80 Dimethyl Phthalate	Phthalate	M0A.			The Control of the Co							A AN AN WAS AND THE WASHINGTON AND AND ANY AND ANY AND ANY AND ANY AND ANY AND ANY ANY AND ANY AND ANY AND ANY	ANTIFOCH AND BUILDING AUTORA WATER	Interim Monitoring - No Limi
81 Di-n-Butyl Phthalate	Phthaiate	увя			THE TAX PARTY OF THE PARTY OF T							1		Interim Monitoring - No Limit
82 2,4-Dinitrotoluene	otoluene	<u> </u>	S		0.5			, 6		ě,		60		BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from Outfalls 011 and 018.
83 2,6-Dinitrotoluene	avanor	4										1	1	No Criteria Available
84 Di-n-Octyl Phthalate	Phthalate	Mark		A PORT OF THE PROPERTY OF THE		TO VIETO THE CONTRACT OF THE C			Action can be seen as a second	Policida de Maria de Maria de Maria de Partir		and A A dissert section is an Artifact and Astronomy of the Artifa	1	No Criteria Available
85 1,2-Diphenyhydrazine	nythydrazine	700T	A A A A A A A A A A A A A A A A A A A		**************************************							THE PARTY AND THE PARTY AND THE PARTY OF THE		Interim Monitoring - No Limi
86 Fluoranthene	ene	119AL			A CONTRACTOR OF THE CONTRACTOR							:		Interim Monitoring - No Limit
87 Fluorene	TERRETON WESTERN Achdesides de de describe en delens de en que	FD4		V-OCTUPATION AND AND AND AND AND AND AND AND AND AN								:	With the control of t	Interim Monitoring - No Limit
88 Hexachlorobenzene	robenzene	ካዕላ	***************************************		7007 WY 1007 A 11111111111111111111111111111111								***************************************	interim Monitoring - No Limit
89 Hexachlorobutadiene	robutadiene	MG/L		***************************************			***************************************					,		Interim Monitoring - No Limit

Boeing SSFL Outfalls 001, 002, 011, and 018 (CA0001309, Cl-6027)

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			-		Fresh	eshwater	Human Health		Basin Plan							den	, , , , , , , , , , , , , , , , , , ,	Organishs Only	Αwo	
CTR#	DATE	Si S	5	U U W	Cacute *	C chronic a	Not applicable C hh W&O C hh O		Title 22 GWR	Comest	MEC >=	Tier 1 - Need Ilmit?	 	Tier 2 - Need Imit?	Tier 3 - other info.	Tier 3 - need imit?	AMELHh = MDEL/AM ECA = C hh O multiplier	MDEL/ AMEL	* MDEL h	£
96	90 Hexachlorocyclopentadiene	Mg/A				NONE	240	000		0		Go to Tier 2		õ	NO	ક્ર	A CALL THE PARTY OF THE PARTY O			de-sp
2	91 Hexachloroethane	7/6/	9.0			NO.	1.9	6 80		0N 6.9	ON NO	Go to Tier 2	2	9	9	Ş	5	And a second a second and a second a second and a second		
85	92 Indeno(1,2,3-cd)Pyrene	идУ	. 0			NONE	0.0044	0.049		0.049 No	S.	Go to Tier 2	2	8	Q	9				
8	93 isophorone	100	90			ENON.	48	009		909	92	Go to Tier 2	2	Ş	9	9				
94	94 Napthalene	76V	9.0					NONE		NONE	No Criteria Available	Go to Tier 2	2	Ş	9	9				
88	95 Wirobenzene	705	0.6		NONE		17	1,900		1,900 No	92	Go to Tier 2	2	õ	2	2				
g	DB N. Mitrocodimethod and oc	Š		· · · · · · · · · · · · · · · · · · ·	u e e		09000	3		9	3	Go to		Ş						4. 0. 5.
76	97 N-Nitrosodi-n-Propylamine	, L	9.0		NONE	NONE	0.005	4.	TITA ANDRESSA AND ANDRESSA MARKET	4.	1.4 YES	Go to	2 2	2	ON ON	9				The same of
86	98 N-Nitrosodiphenvlamine	na%	0.6		NONE	BNON	5	16	The same of the sa	16	YES	Go to Tier 2	98	2	Q	9		A A A MANAGE A A MANAGE AND A STATE AND A		
66	99 Phenanthrene	nav	9.0:	ı,	NONE			NONE		NONE	No Criteria Available	Go to Tier 2	¥	Ş	ON ON	Ş				
100	100 Pyrene	μgγ	0.0		NONE	-	960	11,000		80	No	Go to Tier 2	£	9	ş	Ş				
101	101 1, 2,4-Trichiorobenzene	7/6rl	9.0		NONE			NONE		NONE	No Criteria Available	Go to Ther 2	₹	Q N	ON.	ક				
102	102 Aldrin	hāv	0.6	-	n	NON	013	0.00014		70.		Go to Tier 2	Š	2	2	9				
60	103. alpha-BHC	707	90	6.6	NONE	HNCN	0.0039	0.013		0.013 No	Ç	Go to	S Z	Q	× × ×	Yes	0.013	-	2,0	0.026
5	104 beta-BHC	764	90		NONE	NON	0.014			0.046 No	No.	Go to Tier 2	ş	Ş	9	2		270		A STATE OF THE STA
105	105 gamma-BHC (aka Lindane)	rg/L	0.6	0.6 <0.1	0.95	95 NONE	0.019	0.063	0.2		0.063 No	Go to Tier 2	ટ્ટ	õ	9	Š				
106	106 delta-BHC	, d	0.6	0.6 <0.2	S E	NON	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	ž	2	2	ક્ર	A A A A A A A A A A A A A A A A A A A			
10)	107 Chlordane	ከያላ	0.6	0.6 <1	2.4	0.0043	0.00057	0.00059		0.00059 ND>C	ND>C	Go to Tier 2	No	Q.	2	Ş				
108	108 4,4'-DDT	199/£	0.6	0.6 <0.1	1.1	0.001	0.00059	0.00059		0.00059 ND>C	ND>C	Go to Tier 2	N <sub>o</sub>	9	Q.	Q.				No. Table States of all the
10,	109 4,4'-DDE	Mg/L	0.4	0.6 <0.1	NONE	NONE	0.00059	0.00059		0.00059 No	ON (	YES			and the second s		0.00059	2.01	1	0.001
11	110 4,4.000	ng4	0.6	0.6 <0.1	NON	NONE	0.00083	0.00084		0.00084 No	N <sub>O</sub>	YES					0.00084	2.01		0.002
11	111 Dieldrin	μgΛ	ŏ	0.6 <0.1	0.24	0.056	0.00014	0.00014		0.00014	0.00014 ND>C	Go to Tier 2	2	ş	S	S				
1,1	112 apha-Endosulfan	RØ4.	0.1	0.6 <0.1	0.22	0.056	110	240		0.056 No	No No	Go to Tier 2	NO	2	8	9	***************************************	***************************************		AA 4
13.	113 beta-Endosulfan	ηđγ	Ö	0.6 <0.1	0.22	0.056	110	240		0.056 No	S No	Go to Tier 2	£	S	۶	õ				
T.	114 Endosulfan Sulfate	Mark	Ö	0.6 <0.2	NONE	NONE	110	240		240	240 No	Go to Tier 2	ž	2	2	2		V I V I V I V I V I V I V I V I V I V I		Mallin Malayan Ma
	£	.,		,							<del></del>	Go to								
	115 Endrin	ug/L	o ~	0.6 <0.1	0.086	0.036	0.76	0.81		0.036 No	8 No	Tier 2	ž	ON N	2	Q N				

Boeing SSFL Ouffalls 001, 002, 011, and 018 (CA0001309, Cl-6027)

				AQUATE	AQUATIC LIFE CALCULATIONS	ATIONS		AG	AQUATIC LIFE CALCULATIONS	ALCULATION	SN		***************************************	
					Freshwater				Freshwater	vater		PROPOSI	PROPOSED LIMITS	
CTR#	DATE	Sales	ECA acute multiplier (p.7)	L'TA acute	ECA chronic multiplier	LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEL multiplier	MDEL multiplier (n=4)	MDEL aqlife	MDEL aqlife   Lowest AMEL	Lowest MDEL	Recommendation
06	90 Hexachiorocyclonentadiene	2				WITH A THEFT WOMENING ON A REAL AND A REAL			A CONTRACTOR OF THE PROPERTY O	AND AND ADDRESS OF THE PARTY OF		ŧ	1	Interm Monitoroo - No Limit
91	91 Hexactioneethane	ug/t.										***************************************	•	Interim Monitoring - No Limit
92	92 Inderio(1,2,3-cd)Pyrene	ng/L				AND ALL DESCRIPTION AND AL			A CHARLES A CHARLES A CONTRACT AND A CHARLES		440.1.0.0000000000000000000000000000000	•	****AAAA****AAAA****AAAAAAAA	Interim Monttoring - No Limit
8	93 Isophorone	ro/L										1		Interim Monitoring - No Limi
98	94 Napthalene	ng/L					-	V-10-10-10-10-10-10-10-10-10-10-10-10-10-	A BRIDGE AND A THROUGH A T	TO THE PARTY OF TH		**	The state of the s	No Criteria Available
88	95 Nitrobenzene	FEG.	I AND THE A PARTY OF	Attended to the second of the									1	Interim Monitoring - No Limi
Š	A Miles of Annual Control			2	\$ \$							*		BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from
6	97 N-Nitrosodi-n-Propylamine	MA A				TOTAL STATE OF THE		G.	********************************	ä		j i	1	Interim Monitoring - No Elmi
86	98 N-Mitrosodiphenylamine	)vg/L										THE RESERVE OF THE PROPERTY OF		Interim Monitoring - No Limi
86	99 Phenanthrene	ηđη				and the second s						AND THE PARK AS THE EXPENSION AS THE CONTROL OF THE	The street of th	Interim Monitoring - No Limit
100	100 Pyrene	μgη		AV 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (								\$	### A A A A A A A A A A A A A A A A A A	Interim Monitoring - No Limit
101	101 1,2,4-Trichlorobenzene	MOV		**************************************									•	Interim Monitoring - No Limit
102	102 Aktrin	PBA	O.	0.32 0.96	3							Ł	1	Interim Monitoring - No Limit
50	103 alpha-BHC	ng/t	8	0.32	6.5.0 E.5.0			4. 10.		6,		0.0		BPJ used to apply effluent limit at Outfalls 001 and 002 to discharges from 0.03 Outfalls 011 and 018.
104	104 beta-BHC	2							Annotation of American Africant Pro-	The same of the sa	THE PROPERTY OF THE PROPERTY O	#	1	Interim Monitoring - No Limit
10,	105 gamma-BHC (aka Lindane)	μgγ	0	0.32 0.31			- William and Johnson makes Laboratoria Andrea					•	**************************************	Interim Monitoring - No Limi
101	105 delta-BHC	ug.t.										The state of the s	**	Interen Monitoring - No Limi
10	107 Chlordane	ካወላ	0	0.32 0.77	7							*	1	Interim Monitoring - No Limit
101	108 4 4"DDT	NG.	G.	0.32 0.35	2	man a month of the state of the		The Control of the State of the	0.000,000,000,000			*	<b>1</b>	Interim Monitoring - No Limi
10	109 4,4°.DDE	LIDA/L	0.321	21								,	,	Interim Monitoring - No Limi
#	110 4,4' DDD	MD/L	0.321	21								-	-	Interim Monitoring - No Limit
Ξ	111 Dieldrin	μđψ	0	0.32 0.08	89							*	*	Interim Monitoring · No Limit
-	112 alpha-Endosultan	700	0	0.32 0.07	7									interim Monitoring - No Limit
11	113 beta-Endosulfan	176V	0.321	21 0.071	-	-								Interim Monitoring - No Limit
1	114 Endosulan Sulate	hgr	-	W-Western Woodstandern Landern Commence of the					W. ST. ST. ST. ST. ST. ST. ST. ST. ST. ST	V	TRACTOR WITHOUT TRACETOR FOR COMPANY OF THE	AND PALLWOOD AND ADDRESS AND A	Let	Interim Monitoring - No Limit
					,									
1	115 Endrin	ha/L	0	0.32 0.03	6.								:	interim Monitoring - No Limi

TABLE R1

Boeing SSFL Ouffalls 001, 002, 011, and 018 (CA0001309, CI-6027)

						CTR CRITERIA	TERIA										LIST TRADES	Ten Cal	ON A TANDARE
						THE PARTY OF THE P					REASONABLE POTENTIAL ANALYSIS (RPA)	BLE POT	ENTIAL	WALYSIS	(RPA)		NAME OF THE PARTY	TOWN DEAL IN CALCULATIONS	CASICAS
					Freshwater	vater	Human Health	Health	Basin Plan	- The second control of the second control o					7			Organishs Only	Ě
					C attack	Not Cebronic applicable	Not				,	Tier 1 -		,	Tier 3 -	Tier 3 -		And the state of t	
## C1	DATE	Units	ઠ	MEC		= CCC tot C th W&O C th O	hh W&O		GWR	Lowest C	MEL >= Lowest C	Need Iimit?	 မွ	Need limit?	other info.	need limit?	AMELIN ** MDEL/ AN	MDEL/AMEL	WDEL hh
116	116 Endrin Aldehyde	Mg/L	0	0.6 <0.1	NONE	NONE	0.76	0.81		0.81 No	S.	Go fo Tier 2	-	1	Q	S	A TOTAL CONTROL OF THE CONTROL OF TH	The second secon	
117	117 Heptachlor	ngΛ	0.6	0.6 <0.1	0.52	0.0038	0.00021	0.00021		0.00021 ND>C	ç Ş	Go to	Ş		Ç	S			
118	118 Heptachlor Epoxide	NO.	0.6	0.6 <0.1	0,52	0.0038	0.0001	0.00011		0.00011 ND>C	ND×C	Go to Tier 2	£	Ş	Q	9	and the state of the same of t	ALL	
	Polychlorinated biphenyls (PCBs)	Mg/L															THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY OF THE PERSON NAMED IN COLUMN TO A PARTY		
119	Aroclor 1016	1180/	0.6	0.6 <1	NONE	0.014	0.00017	0.00017		0.00017 ND>C	ND>C	Go to Tier 2	2	Ş	ON ON	Q		A. A. M. M. A A A A A A.	V December 1 and 1
120	Aroclor 1221	1,00d	0.4	0.6	NONE	0.014	0.00017	0.00017		0.00017 ND>C	ND>C	Go to Tier 2	No	2	Q Z	Q			
121	Aroclor 1232	100V	0.6	0.6 <1	NONE	0.014	0.00617	0.00017		0.00017 ND>C	ND>C	Go to Tier 2	8		<u>Q</u>	ON ON		THE RESERVE OF THE PROPERTY OF	
122	Arodor 1242	700	0.6	0.6 <1	NONE	0.014	0.00017	0.00017		0.00017 ND>C	ND>C	Go to Tier 2	SS		Q	9			
123	Aroclor 1248	hg/L	9.0	0.6 <1	NONE	0.014	0.00017	0.00017		0.00017 ND>C	ND ND	Go to Tier 2	Š	1	CZ	Ş			
124	Aroclor 1254	7)6g	9.6	0.6 <1	NONE	0.014	0.00017	0.00017		0.00017 No	Q.	Go to Tier 2	Š	Ţ	Q	Q.	0 00017	2 01	0 0003
125	Aroclor 1260	₽9/L	9.0	0.6 <1	NONE	0.014	0.00017	0.00017		0.00017 ND>C	ND>C	Go to Tier 2	2		ON ON	Q			The state of the s
126 FOOTINE	126 Toxaphene FOOTNOTE	No.	)0 %	0.6 <5	0.73	0 0002	0.0073	0.00075	**************************************	0.00075 ND>C	ND>C	Go to Tier 2	ž		Q	Q			
	celculated using an average						**************************************												
	receiving water hardness of 100 mg/L.							•											

TABLE R1

Boeing SSFL

Outfalls 001, 002, 011, and 018

(CA0001309, CI-6027)

										***************************************					ſ
			Andrew Assessment Advantage Assessment	ACCALL	AGUALIC LIFE CALCULATIONS	ATIONS		ğ	AQUATIC LIFE CALCULATIONS	CALCULATIO	S.C.				
			**************************************		Freshwater	Annes de Austria de Maria de La Companyo	The state of the s		Fresh	Freshwater	Management of the state of the	PROPOSED LIMITS	DLIMITS		_
OI 88	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	.TA chronic	AMEI multi LTA chronic Lowest LTA (rm4)	AMEL multiplier (nm4)	MDEL multip AMEL aq.life (n≠4)	MDEL multiplier (n=4)	MDEL aqtife	MDEL aqiffe Lowest AMEL	Lowest MDEL	Recommendation	
116	116 Endrin Aldehyde	₽9/L		W100 m200 ft / m200 m200 m200 m200 m200 m200 m200 m2									•	Interim Monitoring - No Limit	Ē
117	117 Heptachior	7/6/1	0.32	0.17			THE CHIRD AND ADDRESS OF THE PARTY OF THE PA		OF THE PROPERTY OF THE PROPERT	to commente and the second sec		1	### ##################################	Interim Monitoring - No Limit	Ē
118	118 Heptachlor Epoxide	100L	0.32	0.17		**************************************						**	THE THE PERSON NAMED OF TH	Interim Monitoring - No Limit	Ē
VILLEAUALAMAALA	Polychlorinated biphenyls (PCBs)	MOV		WWW.	The state of the s		THE PERSON NAME OF THE PERSON NAMED OF THE PER			**************************************	CONTRACTOR OF CO	THE THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRE	##* # 10 MINIMA 1 W 20 TO 10 T	Interim Monitoring - No Limit	imit
119	Aroclor 1016	Mg/L	W35000000000000000000000000000000000000	VI TUTAL AND		A CONTRACTOR OF THE PARTY OF TH						ı	E	Interim Monitoring - No Limit	Ĕ
120	Aroclor 1221	PO/L	The of the best designed of the channels of th			***************************************	· ·						-	Interim Monitoring - No Limit	imit
121	Aroclor 1232	ug/L									***************************************	100	***	Interim Monitoring - No Limit	Ĭ.
122	Aroclor 1242	Pg/L					A THE STATE OF THE					man i v mama Al an an an Al Andrewson of Statement of Sta	###	interim Monitoring - No Limit	Ē,
123	Aroclor 1248	110V			AV HIPPYTHALOMINA ATLANA ANALAMA			Annual to the state of the stat	Control of the Contro			1	1	Interim Monitoring - No Limit	Ę
124	Aroclor 1254	Mg/L	0.32					AV WARRAN & WARREN & WARRAN &				•		Interim Monitoring - No Limit	Ē
125	S Aroclor 1260	ng/L	AVERTURE TO THE PROPERTY OF TH				THE COURT OF THE C					I	n de l'anna de la companya de la com	Interim Monitoring - No Limit	Ē
124 FOOTN	126 Toxaphene TNOTE These metals are hardness	J. Gr	0.32											interim Monitoring - No Limit	Ē
	dependent. CTR criteria was calculated using an average receiving water hardness of 100														
	mg/L.											- /			

Table A3

Reasonable Potential Analysis for Non-Priority Pollutants in Wastewater The Boeing Company

The Boeing Company
(Santa Susana Field Laboratory)
Outfalls 1,2,11, and 18
(CA0001309, CI-6027)

	}	-														- Name	
AITNETOR ELE POTENTIAL	YES	YES	Š N	YES	YES	YES	YES	YES	Š	YES	YES	YES	Š	YES		Van Auffalfalfalfalfalf (Auffalfa)	
protection MC-Human noncarcinogen AP-Aquatic life protection	180	96	BG	BG	B	BG	BG	BG	98	96	B	BC	28	80			
Water Quality Objectives BU - Beneficial use	0.3	20	1,000	0.3	0.5	45.00	6.00	8,00	1,60	10.00	300.00	20.00	150.00	150.00	Appear and the second account of the second and the	den annount annount annount annount ave	
Projected Maximum Receiving Water Concentration	303.38	4855.40	0.97	1.18	15.38	1844.70	15.32	10.78	1.32	111.30	881.71	34.35	91.09	1843.35			
Background Concentration		and and the state of the state		THE REAL PROPERTY AND ADDRESS OF THE PARTY AND									HALLING AND SELECT TO VARIOUS MAYOU US VARIOUS	VIII ALIANAA III A VARAA AA			
Dilution Ratio	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Projected Maximum Effluent Concentration (99/99)	303.38	4855,40	0.97	1.18	15.38	1844.70	15.32	10.78	1.32	111.30	881.71	34.35	91.09	1843.35			
Multiplier	11.24	13.12	6.94	1.18	3.50	4.01	2.64	2.99	2.94	6.55	2.84	3,44	2.07	1.84			
cv	2.12	1.76	0.95	0.15	1.72	2.11	1.22	1.07	0.31	0.83	1,00	1.24	0.63	0.82			
Maximum Observed Effluent Concentration	27.00	370	0.14	COLUMN AND AND AND AND AND AND AND AND AND AN	4.4	460	5.80	3.60	0.45	17.00	310.00	10.00	44.00	1000.00		THE PARTY OF THE P	-
Number of Samples	12	8	9	37	42	42	46	30	2	5	30	29	30	63		HET WAS A STREET OF THE PROPERTY AND ASSOCIATED AS A STREET OF THE PROPERTY AND ASSOCIATED AS A STREET OF THE PROPERTY AS A STREET OF THE PROP	
stinU	ng/L	ug/L	ng/L	ml/L	mg/L	mg/L	ng/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	and the state of t		
	The second secon				The state of the s								The state of the s			on BPJ	
CONSTITUENT	omenium in the contract of the	Manganese	Banum	Settleable solids	MBAS	SS	Perchlorate	Nitrate + Nitrite as Nitrogen	Fluoride	Oil and Grease	Sulfate	BOD <sub>5</sub> 20°C	Chloride	DS	ANALONA AND ANALON	* Effluent limit included based on BPJ	

### **ATTACHMENT 2**

CTR# DATE 1 Antimony 2 Arsenic 3 Beryllum 4 Cadmium*					F			PART OF PROPERTY AND ADDRESS OF THE			REASONA	ALE POT	ENTIAL /	REASONABLE POTENTIAL ANALYSIS (RPA)	(RPA)		T NOW		CENT CAS
						charater		Hooli ocony	Contin Dian		!		1						
1 Antin 2 Arser 3 Bery 4 Cadh	B.F	C Sign	ઠ	NEC ME	C acute =	C chronic =	Not applicable C nh W&O C nh O		·	tsamo	MEC >*	Tier 1 - Need		Tier 2 - Need	Tier 3 - other info.	Tier 3 -	AMELHh =	MDEL/ AMEL	H N
2 Arser 3 Beryl 4 Cadr	TOTIS	4 .	1.79	Addition of the second	20 NONE	NONE	41	300	9	•		Go to Tier 2			, ON	YES	4300	3.01	
3 Beryl	(N.C.	nov	0.6		340		150 NONE	NONE	90	50.0 No		Go to Tier 2	Š	9	Q	9	NONE	2.01	and a section of the
4 Cadn	Hum	P9A.	0.6		NONE	NONE	Namative	Namative	4	4.0 No		2	S S		Q.	9	Narrative	2.01	ALTANAMATANA ANTONOMAAA
	THUR.	<b>1</b> 04	G en	0.72	,	1.6 2.4	2.4 Narrative	Narrative	in.	2.4 No		Go to Tier 2	2	2	Q	YES	Narrative	3.33	~~~~~~
5a Chro	Chromium III*	μg/L	0.6		17			Namative	A STATE OF THE PARTY OF THE PAR	209.3 No		Go to Tier 2	2		ON.	Q	Narrative	2.01	
Sto Chros	Chromas VI	HOL	9.0		16.			Narrative	20	9.4		Go to Tier 2	No		S.	9	Narrative	2.01	
6 Copper	Der	na/L	6.	39	13	8.8	1300 NONE	NONE		9.4 YES		Yes				YES	NONE	2.8	
7 Lead*	ANAN ARABAMAN A	<b>10</b>	9.0	260	28	3.2	Marrative	Narrative		3.2 YES		Yes				YES	Narrative	2.0	
8 Mercury	ANY.	761	27	1	0.41 Reserved	Reserved	0.05	0.051	8	0.05 YES		Yes				YES	0.051		0.2
9 Nickel*		MBA.	0.6		3 470.94	4 52,156469		4600	100	52.16		Go to Tier 2	2	2	ON.	Q	4600		A CAPTANAA A A A A A A A A A A A A A A A A A
10 Selenlum	nlum	ng/L	0.6		4.7 Reserved	5	Narrative	Narrative	20	5.00 No		Go to Tier 2	2		9	2	Narrative	2	A
11 Silver	hann bahanapat en kelapaka i adaman ingangam/poping/statohaha a nahan mamapat ###################################	Mg/C	9.0	- Indiana Control	TO THE PERSON AND THE	4 none	NONE	NONE		4.00 No	A Company	Go to Tier 2	Ş	Q.	NO.	YES	NONE	2.01	
12 Thallium	wij	MO/L	9.6	VIII Alleste	0.21 NONE	NONE	1.7	6.3	2	2.00 1	No	Go to Tier 2	No No	ON ON	Q.	Q	6.3	THE COLUMN TO SERVICE OF THE COLUMN TWO COLUMN TO SERVICE OF THE COLUMN TO SERVICE OF THE COLUMN TO SERVICE OF THE COLUMN TWO C	S. S. A.
13 Zinc*	The state of the s	MOR	0.6	38	122.7	121.7	none	NONE		۵	NO O	Go to Tier 2	9	Š	O <sub>N</sub>	9	NONE	2.01	
14 Cyanide		₽9/L	0.6		22	2 5.2	700	220,000	200	5.2 No		2	2	ş	9	2	220000		441362
15 Asbestos	em en mystyky tytyddd Acesman am mysgyd y tytysgidd o o o o o o o o o o o o o o	Fibers/		The state of the s	NONE	NONE	7,000,000 NONE		7×10^6	7×10^6	9	Go to Tier 2	9		Q.	Ş	NONE		A. A. C. A.
16 2,3,7	16 2.3,7,8-TCDD (Dioxin)		9.0	0.6 2E-04	NONE	NONE	1.3E-08	1,4E-08 3x10^-5	3x10^-5	1,4E-08 YES		, se	2	9	Q	ŽES.	0.00000014		2.87
17 Acrolein	leth	199A	0.0		NONE	NONE	320	780	- Committee of the Comm	780 No		Go to Tier 2	2		2	2	780		
18 Acrylonitrile	ionimie	nav	0.6		NONE	NONE	0.059	0.66		0.66 No	S,	YES	2	ş	9	2	0.66	2.01	4.
19 Benzene	zene	HD/L	0.6		MONE	NONE	1.2	74	-	1	Νο	Go to Tier 2	8		Ş.	Ş			
20 Bromoform	ROFOFTH Anti-offer energy (WHINNIN) A CHIRACK CONTRACTOR OF THE CO	ngc	9.0		NONE	NONE	4.3	360		360 No	o <sub>N</sub>	Go to Tier 2	2		S S	2	WITH THE THE THE THE THE THE THE THE THE T	And the second of the second o	
21 Carb	21 Carbon Tetrahionde	γδη	0.6		NONE	NONE	0.25	4.4	909	4.4 No	o <u>N</u>	Go to Tier 2	Ş	2	9	2			
22 Chlo	22 Chlarobenzene	MOV.	9.0		NONE	NONE	980	21,000		21,000 No	No	Go to Tier 2	Š.	Q.	ON.	ջ			

	The second secon			AQUAT	AQUATIC LIFE CALCULATIONS	LATIONS		AQ	AQUATIC LIFE CALCULATIONS	CALCULATIO	NS			
			-	***************************************	Freshwater				Freshwater	water		PROPOS	PROPOSED LIMITS	
CTR#	DATE	Chritis	ECA acute multipiler (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEL aq.life (n=4)	MDEL multiplier (n=4)	MDEL aqiife	MDEL aqife   Lowest AMEL	Lowest MDEL	Recommendation
· ·	1 Antimony		ó		0.53			2.63		6.2		WANTER THE VERNICA NATIONAL WAS A STATE OF THE STATE OF T	4	BPJ used to apply limit from Cutfalls 803 through
	2 Arsenic	Mark	0	0.32 109.2	**************************************	1.67	79.1		122.8	No. of the Contract of the Con	246.4		WALL STATE OF STATE O	BPJ used to apply limit from Outfalls 903 through
	3 Revillem	ηđγ	0		A - Manager of the Control of the Co									Interim Monitoring - No CTR based Limit
	4 Cadmium*	J.	o	0.09		0.3	0.3				3.5	VI VORINGATOR LAS WITCH TATABLES AND	4	BPJ used to apply limit from Outfalls 003 through 007.
Sa	Chromium III*	ng/L	0	0.32 558.8	9 0.53	#	-		171,4	A THE PERSON NAMED IN COLUMN	343.8	THE SAN AND AND THE SAN AND TH	ANALYS WAS A TRANSPORT OF TRANS	Interim Monitoring - No CTR based Limit
25	Chromium VI	ng/L	0		2 0.53	4.9	4,9	-	7.7		15.4		And the state of t	Interim Monitoring - No CTR based Limit
	6 Copper	W9/L	0	0,20	7 0.36	3.4		2.0	5.3		13.5	***	44	Limit Based on CTR. BPJ used to apply limit from Outfalls 003 through 007.
- Contraction	T. LEBOLT	761	0	0.32 26.4	4 0.53	<u> </u>	1.7	1.6	2.6	3.1	5.2	1	5.2	New Limit Based on CTR
Wildelin of Adminis	8 Mercury	Ž.	•	0.20	0.37	TOTAL PROPERTY WAS ERREIT AND A MADE AND A		1.0		¢.	-	L	0,13	Limit Based on CTR. BPJ used to apply limit from Outfalls 003 through 007.
	9 Nickel*	µg/€	0	0.32 151.2	2 0.53	27.5	28	1.55	42.7	3.1	85.7	i	1	Interim Monitoring - No CTR based Limit
-	10 Setenium	118/1	0	0.32	0.53	S C	2.6	1.55	. 7	3.1	8.2			Interim Monitoring - No CTR based Limit
***	11 Siver	Hg/L	9	0,32	3 0.53	***************************************	1.3	1.55	2.0	3.1	4.0	***************************************	The state of the s	Interim Monitoring - No CTR based Limit
-	2. Thailium	701	0	0.32	0.53	WWW, NEW PLANT AND	The street of th	1.55	destinates and the state of the	1.6	ere	î.	2.0	Limit Based on CTR. BPJ used to apply limit from Outfalls 003 through 007.
	13 Zinc*	ng/L	Ó	0.32 39.4	0.53	64.2	39		61.2	 1.	122.7	1	ı	Interim Monitoring - No CTR based Limit
-	14 Cyanide	VG/L		0.32 7.1	1 0.53	2.7	7.2	1.55	4. E.	, 1,	8.5	C. C		Interim Monitoring - No CTR based Limit
	15 Asbestos	r ibers/	The second secon			more via company to the company of t					regressor of ventropy (Alamba and Alamba			Interim Monitoring - No Limil
***************************************	16 2.3,7,8-TCDD (Dioxin)	Mg/A	Ö	0.32	0.53			1.55		8		ı	2.8E-08	Limit Based on CTR. BPJ used to apply limit from Outfalls 003 through 007.
	17 Acrolein	ng/	0.321	21	0.53		100 F VARIA NETOWN ARTHA FA MONIOR IN A A				WELDTAND ON THE BEAT OF THE BE	The state of the s	į	Interim Monitoring - No Limi
	18 Acrylontrile	ng <sub>V</sub> .	0.321	21	0.53	The second secon				***************************************		1	-	Interim Monitoring - No Limi
	19 Benzene	MP/L		N		SETTER SAN STREET STREET AND A SALE STREET AND A SALE STREET AND ASSAULT AS A SALE STREET AND ASSAULT AS A SALE STREET AND ASSAULT AS A SALE STREET AS A SALE S	APPARATE OF STREET, ST				VIII III AA	THE PERSONNEL PROPERTY OF THE PERSONNEL PROP		Interim Monitoring - No Limi
A strategic of the stra	20 Bromoform	hov		V children of the children of the shall a few from the contrast of the children of the childre	THE PROPERTY OF THE PROPERTY O							ı	***	Interim Monitoring - No Limi
CA	21 Carbon Tetrahloride	Mg/L	A	A to a manufacture of the state								1		Interim Monitoring - No Limit
2	22 Chiorobenzene	nov										1	ŧ	Interim Monitoring - No Limit

-,-					432 F C F C F C F C F C F C F C F C F C F	5	WHILE IN STREET, WASHINGTON, MANUAL			4140				400		HUMAN	HUMAN HEALTH CALCULATIONS	2
				Fres	hwater	Human Health	Health	Basin Plan	WHEN THE PROPERTY AND ADDRESS OF THE PERSON	REASONABLE FOIENTIAL ANALYSIS (RFA)	2	ENITAL	ANAL YSI	S (RPA)		V.	Organisms Only	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
CTR# DATE	Units	ઇ	MEC	C acute = CMC tot	C chronic **	Not applicable C hh W&O C hh O		Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need ilmit?		Tier 2 - Need Imit?	Ther 3 - other info.	Tier 3 · need	AMELHh = MDEL/ AN ECA = C hh O multiplier	MDEL/ AMEL	Él. bh
23 Dibromochloromethane	ng/t-	0,6		NONE	NONE	0.401	34		4	2	Go to Tier 2	ì	9	Q.	9	de la companya de la		WANTED TAT THE STATE OF
24 Chloroethane	μδη	9.0	9	NON	NONE	NON	NONE		NONE		Go to Tier 2	ş	2	9	9			
25 2-chloroethyl vinyl ether	W.	0.6	ç	NONE	NOME		NONE		NONE	No Criteria Available	Go to Tier 2	¥	2	2	9			The state of the s
26 Chiorotorm	μgγ	9.0	හ	NONE	NONE	pa	Reserved		Reserved	No Criteria Available	Go to Tier 2	ž	9	2	2	AT A CANADAN A AL BUARA LUMBURA A FALLE	Annual Control of Management of Street, Mana	Modern to Modern to Modern to Manda
27 Dichlorobromomethane	MOA.	9.0	· @	NONE	NONE	ę,	46		9	Ž	Go to Tier 2	ક	ş	Ş.	9			
28 1,1-Dichloroethane	76A	9.0	9	MON	NONE		NONE	so.	5	ON.	Go to	2	2	ON.	2	WHAT A DATE OF THE PROPERTY AND THE PROPERTY OF THE PROPERTY O	AN ADMINISTRAÇÃO DE CONTRACTOR CO	- W. C.
29 1.2-dichloroethane		0.6	100	NONE	NONE	0.38	66	0.5	0.5	o. V	Go to Tier 2	£	9	ON.	Q.		The manufacture of the design	**************************************
30 1,1-Dichloroethytene	ng/L	9.0	9	NONE	NONE	0.057	3.2	Ó	3.2 No	<u>0</u> 2	Go to Tier 2	£	9	Q	9			
31 1,2-dichlooropropane	hay	0.6	100	NONE	NONE	0.52	39	ស	S	No	Go to Tier 2	£	2	9	2	A TO A STATE OF THE PARTY OF TH	White the state of	
32 1,3-dichioropropylene	Mg/L	9.0		NONE	NONE	10	1,700	0.5	0.5 No	ON	Go to Tier 2	£	2	Q.	9		We have the second of the seco	WW.PELTH.PELAN
33 Ethylbenzene	ng/L	0.6	æ	NONE	NONE	3100	29,000	0.7	0.7 No	02	Go to Tier 2	2	2	S S	ş			
34 Methyl bromide	лви	0.6	ဖွ	NONE	NONE	48	4,000		4,000	No	Go to Tier 2	2	2	QN.	Ş	***************************************	The state of the s	7000 A
35 Methyl chloride	) Jen			NONE	NONE	Namative	Narrative		Narrative	No Criteria Available	Go to Tier 2	o S Esta	2	9	2			An or or or or
36 Methylene chloride	μāγ	9.0	4.		NONE				8	Ž	Go to Tier 2	2	N N	2	£	TANK TO MATTER THE THE THINK A COMMON A F A	A CONTRACTOR OF A CONTRACTOR O	
37 1,1,2,2-tetrachinethne	H9/L	0.6	9	NONE	NONE	0.17	11	-	- Arr	Š	Go to Tier 2	2	Š	9	2			
38 Tetrachloroethylene	Ug/L	0.6	9	NONE	NONE	0.8	8.85	ιń	5	No	Go to Tier 2	ž	2	2	2			
39 Toluene	May.	90	9	NONE	NONE	6800	200,000	150	150	No No	Go to Tier 2	ž	õ	. O	Š			
40 Trans 1,2-Dichloroethylene	Hg/L	0.6	\$	NONE	NONE	700	140,000	10	10	10 No	Go to Tier 2	S	9	Q	Ş			
41 1,1,1-Trichloroethane	h8v.	0.6		0.76 NONE	NONE	Narrative	Narrative	200	200 No	S S	Go to Tier 2	£	Ş	<u> </u>	身			
42 1.1,2-trichlorgethane	NG/L	0.6	9	NONE	NONE	0.6	42	Ŋ	5	No No	Go to Tier 2	£	2	NO NO	9			A A
43 Trichloroethylene	µ9/L	9.0	0.66	NONE	NONE	2.7	81	ភេ	5	No	Go to Tier 2	2	Ş	9	ջ			A CONTRACTOR OF THE CONTRACTOR
44 Viryl chloride	HG4.	0.6	9	NOME	NONE	2	525	0.5	0.5	5 No	Go to Tier 2	Q.	Š	Š	ş			
45 2-chlorophenol	ng/L	0.6	9	NONE	NONE	120	400		400 No	No	Go to Tier 2	S	윷	Ş	2			
46 2.4-dihlorophenol	16gr	90	9	NONE	NONE	66	790		ON 062	Q Q	Go to Tier 2	N <sub>O</sub>	9	Ş	9			
47 2,4-dimethylphenoi	μđư	9.0	9	NONE	NONE	540	2,300		2,300 No	S S	Go to Tier 2	No.	Ş	Ş	2	e 1000 1000 100 100		
48 (aka2-methyl-4,6-Dintrophenol)	LIGHT.	9.0	80	NONE	NONE	13.4	765		765 No	No	Go to Tier 2	ş	2	2	9			
49 2,4-dintrophenol	ngy	9.0	8	NONE	NONE	70	14,000		14,000		Go to Tier 2	No.	8	Q	9			
50 2-nitrophenol	ng/t	0.6	8	NONE	KONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	No.	Ş	ş	9			
51 4-nitrophenol	ng/L	0.6	9	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	2	2	ON ON	2			A CANADA A C

	***************************************		* W. M. M. W.	AQUATI	AQUATIC LIFE CALCULATIONS	ATIONS	IMMARIIMAATII VARANINI MARAIIMA I	A.	AQUATIC LIFE CALCULATIONS	ALCULATIO	SN			
				The state of the s	Freshwater				Freshwater	water		PROPOS	PROPOSED LIMITS	
CTR#	DATE	ŝ	ECA acute multiplier (p.7)	L.T.A. acute	ECA chronic multiplier	LTA chronic Lowest LTA	Lowest LTA	AMEL multiplier (n=4)	MDEL. multiplier AMEL aq.ilfe (n=4)	~~~~~	MDEL aqlife Lowest AMEL	owest AMEL	Lowest MDEL	Recommendation
23	23 Dibromochloromethane	ž										į	****	Interim Monitoring - No Limit
	:													No Limit - No Criteria
24	24 Chloroethane	hov		N. W. C.								1	1	Available No Limit - No Critaria
25	25 2-chloroethyl vinyl ether	11g/L	THE PERSON NAMED IN THE PE	A11140000 Adm = 100000 A114000 B		TO TO ARRAN A LA FRANCISCO DE	An off column to Persons Parks absumbance	And the sets of constitute to A to a second set of the	A remarks and military A rate and a state of the state of		A CONTRACTOR OF CHARACTER AND A CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR	W*************************************	THE PERSON OF TH	Available
26	26 Chioroform	7/6 <del>4</del>										Į	1	No Limit - No Criteria Avaitable
22	27 Dichlorobromomethane	1104		Makada ada ada ada ada ada ada ada ada ad								1	1	Interim Monitoring - No Limit
88	28 1,1-Dichloroethane	1/5/1					AND SECTION OF A S					***	-	Interim Monitoring - No Limit
53	29 1.2-dichioroethane	4			TOTAL COMPANY OF THE PARTY OF T							APPER	The state of the s	Interim Monitoring - No Limit
30	30 1 1-Dichloroethylene	2										I.	ŀ	Interim Monitoring - No Limit
31	31 1,2-dichiooropropane	ng.										ł	1	Interim Monitoring - No Limit
32	32 1,3-dichloropropylene	uot				A A A A A A A A A A A A A A A A A A A			A COLUMN TO THE	AA AFTER AA WAY OF A PROPERTY AND A STREET	The second secon	**************************************	AT TATELLAND OF A CAMBO CAT OF THE A LANDON AND A CAMBO	Interim Monitoring - No Limit
33	33 Ethylbenzene	иод										1	***	Interim Monitoring - No Limit
ě	34 Methyl bromide	70d										***	L	Interim Monitoring - No Limit
35	35 Methyl chloride	1,0,1	· · · ·							_		ı	I	No Limit - No Criteria Avaitable
36	36 Methylene chloride	₽9⁄L	- International Property and Pr			THE PARTY OF THE P	***************************************	AND THE PARTY OF T	Annual Control			****	AND A VARIABLE PROPERTY OF A DATA AND A DATA	Interim Monttoring - No Limit
33	37 1,1,2,2-tetrachiroethne	176d	A	BOT WOLLD WART OF WORKER PERSONS AS TO SERVICE	The state of the s						And a street of the street of	MARKET AND	Andrews All Andrews Version And Andrews Andrew	Interim Monitoring - No Limit
38	38 Tetrachloroethylene	µ0√			_							2	1	Interim Monitoring - No Limit
36	39 Toluene	HB/L	And Philadelphia and Andreas a	AND THE PROPERTY OF THE PROPER	· ·							1	I	Interim Monitoring - No Limi
40	40 Trans 1,2-Dichloroethylene	170H		Ali A A - VA	ANT THE PROPERTY AND ASSESSMENT A			TV MARKET HILL CHAPTER VICENCE CO.	- PERSONAL PROPERTY OF THE PERSONAL PROPERTY O	by variation and a constraint was a	Balline (A. della AA) (A. VIIII AA) V.	STANDARDANIA SANDARDANIA AND AND AND AND AND AND AND AND AND AN	1	Interim Monitoring - No Limit
14	41 1,11-Trichloroethane	nav.	***************************************	V V C C C C C C C C C C C C C C C C C C								1	1	Interim Monitoring - No Limit
42	42 1,1,2-trichloroethane	NO.			THE TAX THE PROPERTY OF THE PARTY OF THE PAR	The state of the s		Car warm war a second	And the state of t	THE WHITE PARTY AND THE PARTY	MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	VODENTO PROPERTO PERSONNELLE P	THE THE PERSON ASSESSMENT OF THE PERSON OF T	Interim Monitoring - No Limi
£\$	43 Trichloroethylene	MG/L	and the second s	W Maditud Valders Arrathus com adult	No. of Control of Cont						A share common an accomplished beautiful as a column	Armen a formation of the description of a description of the section of the secti	####	Interim Monitoring - No Limit
44	44 Vinyl chloride	ngv	WANTED TO THE PARTY OF THE PART	The second secon			FEFFER STROMAN CAPTER NAVA VI FALLE MANNESS				and the second		1	Interim Monitoring - No Limit
45	45 2-chlorophenoi	HQ4										ŧ		Interim Monitoring - No Limi
46	46 2,4-dihlorophenol	ክያሊ		average contribution of the contribution of th								Andreas Andrea	The state of the s	Interim Monitoring - No Limit
47	47 2,4-dimethylphenol	HO/L		WHATTAIA Addition V Audiobach is admin	Manager and desired and desired and a to a control and the desired							ı	1	Interim Monitoring - No Limit
48	4,5-dntiiro-o-resoi 48 (aka2-methyl-4,6-Dinitrophenoi)	μöιΓ	van anna anna anna anna anna anna anna	The second secon								ı	ı	Interim Monitoring - No Limi
49	49 2 4-dinitrophenol	HQ/L						`						Interim Monitoring - No Limi
š	50 2-nitrophenol	H9/L	everenza esta de la composición del composición de la composición									1		No Criteria Available
51	51 4-nitrophenol	1,001										1		No Criteria Available

						CTR CRITERIA	ERIA										+HUMAN	HUMAN HEALTH CALCULATIONS	LATIONS
					Freshy	eshwater	Human Health		Basin Plan		REASONABLE POTENTIAL ANALYSIS (RPA)	BLE POT	ENTIAL	anal ysi:	(RPA)			Organisns Only	<del>Ž</del>
						C chronic = 3	Not		He 27		WECV	Tier 1 -		Tier 2 -	Tier 3 -	Tier 3 -	AMEL hh =	MDEL/ AMEL	
CIR	DATE	Units	5	¥EC	CMC tot		Chh W&O Chh	0	GWR	Lowest C	Lowest C	limit?	သ <u>ု</u>	limit?	ć.	limit?	ECA = C hh O multiplier		MDEL NA
52	3-Metnyr-4-Chlorophenol 2 (aka P-chloro-m-resol)	иол	0.8		NONE	NONE	NONE	NONE		None	No Criteria Available	60 to Tier 2	운	õ	Q	g			
53	3 Pentachlorophenol	NO.	0.6		õ	dei pH depende	0.28	8.2	7	4	No	Go to Ter 2	2	8	§	2			anne e d'arbeigne e coloide de de de distante e
54	54 Phenoi	MDA	9.0		NONE	NONE	21,000	4,600,000		4.6x10^6	8	Go to Tier 2	ş	ş	õ	9			
S.	55 2.4,6-trihlorophenoi	1/5/	9.0			NONE	2.1	6.5		5		Go to Tier 2	92	ş	Ş	Ş			
Š	56 Acenaphthene	ng/L	0.0			NONE	1200	2,700		2,700	į	Go to Tier 2	8	9	Q.	9	Andrewske VI Address who did Andrews A	The state of the s	and the Strate Anna on the Strate Anna
25	7 Acenaphthylene	7/55	0.6				NONE	NONE		NONE	No Criteria E Available	Go to Tier 2	Š	ş	Q	Ş			
an B	58 Anthracene	VQ4	9.0				0096	110,000		110,000 No		Go to Tier 2	ŝ	Š	Q.	2			
36	59 Benzidine	ron.	90			NONE	0.00012	0.00054		0.00054 No		Go to Tier 2	2	2	ON ON	9			
æ	60 Benzo(a)Anthracene	rou Ton	0.6	AND AN ANALYSIS AND ANALYSIS ANALYSIS AND ANALYSIS AND ANALYSIS AND ANALYSIS AND ANALYSIS AND AN	The state of the s	NONE	0.0044	0.049		0.049 No	TO THE RESERVE AND THE PARTY OF	Go to Tier 2	Q.	Š	QN.	Ş		The state of the s	in Agrandia de Administra de calledida de sel como
81	81 Benzo(a)Pyrene	ug f.	0.6			NONE	0,0044	0.049	100000000000000000000000000000000000000	0.049 No		Go to Tier 2	Ş	2	9	9	A Total and the state of the st	The state of the s	ACTION AND THE COMMENTS OF THE
ě	62 Benzo(b)Fluoranthene	μgγ	9. O			NONE	0.0044	0.049		0.049 No		Go to Tier 2	2	2	오	<u></u>			
ď	63 Benzo(ghi)Perylene	NO.	9.0				NONE	NONE		NONE	Criteria ailable	Go to Tier 2	£	9	9	9			
ě	64 Benzo(k)Fluoranthene	μgų	90			NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	2	2	Q	ş			
ĕ	65 Bis(2-Chloroethoxy) methane	ከውሆ	0.6				NONE	NONE		NONE	No Criteria Available	Go to Tier 2	2	2	8	8			
ĕ	66 Bis(2-Chloroethy)Ether	hay	0.6				31	1.4		1.4 No	No	Go to Tier 2	20	S	Q.	9			
Đ.	67 Bis(2-Chloroisopropyl) Ether	MO/L	9.0		MANAGE AND A STATE OF THE STATE	NONE	1400	170,000		170,000 No	S S	Go to Tier 2	ž	2	S S	9			man i vanima i wanan na vivi
8	68 Bis(2-Ethylhexyl) Phthalate	J/B/L	0.6		NONE	NONE	₩	9	4	4	No No	YES					~		
Ö	69 4-Bromophenyl Phenyl Ether	ug/î.	9,0	TO SHOULD AND A SH			NONE	NONE		NONE	No Criteria Available	Go to Tier 2	ş	õ	Ş	9	27 1 A 47 A 20 20 20 20 20 20 20 20 20 20 20 20 20	The state of the s	The section of the se
×	70 Butylbenzyl Phthalate	NG/L	0.6	POPULATION AND A PARTY OF THE P		NONE	3000	5,200		5,200 No	Š	Go to Ter 2	ž	2	Ş	ક	THE PERSON OF TH	and the second s	
7	71 2-Chloronaphthalene	1100/L	0.6			NONE	1700	4,300		4,300	S,O	Go to Tier 2	Ş	8	<u>8</u>	۶	The second secon	and another name of the same of the contract of the same of the contract of the same of the contract of the co	1000
7	72 4-Chlorophenyl Phenyl Ether	1/8/1	9.0	so.		NONE	NONE	NONE		NONE	No Criteria Available	Go fo Tier 2	Ş	8	ON	Ş			
7:	73 Chrysene	ngv.	9.0	60		NONE	0.0044	0.049		0.049 No	No	Go to Tier 2	Q.	2	S	S			And the state of t
7.	74 Dibenzo(a,h)Anthracene	η NO.	0.6	9		NONE	0.0044	0.049	man of the state o	0.049 No	No	Go to Tier 2	S	2	S	£			
12	75 1,2-Dichlorobenzene	L DS	9.0	æ.	NONE	NON EN	2700	17,000	900		600 No	Go to Tier 2	£	9	2	Ş		and the second s	THE REAL PROPERTY AND THE PROPERTY AND T
7	76 1,3-Dichlorobenzene	ng.	0.6	9	NONE	NONE	400	2,600		2,600 No	S S	Go to Tier 2	ž	2	9	9			
2	77 1,4-Dichlorobenzene	hāų	9.0	9		NONE	400	2,600	is.	5	No	Go to Tier 2	No No	ð	Q.	۶			
7	78 3,3Dichlorobenzidine	ng.	9.0	Ø	NONE	NONE	0.04	0.077		0.077	S S	Go to Tier 2	ş	2	Q Z	ş			
	79 Diethyl Phthalate	PB4.	9.0	9		NONE	23000	120,000	SERT OF EXPERIENCE A SERBIT CASE MATERIAL SERVICES	120,000 No	No	Go to Tier 2	Ą	Q.	9	8	AAAAA AA MIIRAAA AAAA MIIRAAA AA AAAAA AAAAAAAAAA	AND THE PROPERTY OF THE PROPER	and the second s
8	80 Dimethyl Phthalate	VÖ/I	0.6	φ	NONE	NONE	313000	2,900,000		2.9×10^6	No	Go 10	2	욧	Q N	S	CALABAMAN II. ANIMANAN ATAMAMAN II. MANANAN II.	ALAMAN ALAMAY AV AVANY AV WALTHAL BYPES	
°	61 Di-n-Butyf Phthalate	, ngv	9.0	9	NONE	NONE	2700	12,000		12,000 No	No	Go to Tier 2	No.	Q.	ON ON	Š	······································		
													İ			[			

			America construction in a	AQUATI	AQUATIC LIFE CALCULATIONS	LATIONS		Ą	AQUATIC LIFE CALCULATIONS	ALCULATION	2			
					Freshwater	** THE THE PROPERTY OF THE PRO			Freshwater	vater		PROPO	PROPOSED LIMITS	
ر 17	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chranic multiplier	AMEL multiple LTA chronic Lowest LTA (n=4)	Lowest LTA	olier	MDEL multiplier AMEL aq.life (n=4)		ADEL aqlife	MDEL aqlife Lowest AMEL	Lowest MDEL	Recommendation
່ເດັ	3-Methyl-4-Chlorophenol 52 (aka P-chloro-m-resol)			ĺ			AND THE REPORT AND THE PROPERTY AND THE	ALL FRANKISW		1	A A A A A A A A A A A A A A A A A A A	i	******	No Criteria Available
ίń	53 Pentachlorophenol	7681									***************************************	Į	<u>L</u>	Interim Monitoring - No Limit
ιñ	54 Phenoi	γбп										1	I	Interim Monitoring - No Limit
űő.	55 2.4.6-trihlorophenoi	7										and the second		Interim Monitoring - No Limit
vī.	56 Acenaphthene	7/Bri										1	1	Interim Monitoring - No Limit
'n	57 Acenaphthylene	1,6a										į	1	No Criteria Available
S	58 Anthracene	T/6ri										1	ŧ	Interim Monitoring - No Limit
Š	59 Senzidine	ng y		A Annual A A Annual A Annual A Annual	The state of the s			-			2000	Terres	# ***	Interim Monitoring - No Limit
Ø	60 Benzo(a)Anthracene	μg/L					_					ì	1	Interim Monitoring · No Limit
9	61 Benzo(a)Pyrene	HQ/L			An annual annual and a state of the state of	Andrew Control of Application and Act Advantage Applications				A A A A A A A A A A A A A A A A A A A		and a	TOTAL	interim Monitoring - No Limit
G.	62 Benzo(b)Fluoranthene	J. Ton										Į	1	Interim Monitoring - No Limit
¢	63 Benzo(ghi)Peryiens	ng/t		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				0.000	-			1	447	No Criteria Available
မွ	64 Benzo(k)Fluoranthene	Hg/L		A CONTRACTOR OF THE PARTY OF TH								***	1	Interim Monitoring - No Limit
9	65 Bis(2-Chloroethoxy) methane	5										1		No Criteria Avaliable
g	66 Bis(2-Chloroethyl)Ether	7) 81		ATAMARA ATAMAR								ì	1	Interim Monitoring - No Limit
9	67 Bis(2-Chloroisopropyl) Ether	176A				A CONTRACTOR OF THE CONTRACTOR						***	1	Interim Monitoring - No Limit
9	68 Bis(2-Ethylhexyl) Phthalate	1,61	And annual control of the control of									Ę	a see	Interim Monitoring - No Limit
φ.	69 4-Bromophenyl Phenyl Ether	1997		X			Verman and Control of Administration of the Control	ALTERNATION OF THE PARTY OF THE				****	**************************************	No Criteria Avaitable
	70 Butylbenzyi Phthalate	1784										•	1	Interim Monitoring - No Limit
	71 2-Chloronaphthalene	100/L		A STANSON WARRANT WARR			***************************************					***************************************	AND ALL PROPERTY AND AL	Interim Monitoring - No Limit
	72 4-Chlorophenyl Phenyl Ether	ng/L											ì	No Criteria Available
,	73 Chrysene	₩.	A STATE OF THE STA			WHEN THE PARTY WAS THE PARTY W	VALUE WITH PROPERTY OF THE PARTY OF THE PART	A STATE OF THE PARTY OF THE PAR				***	MAN AMARIA AMARAA AMARA	Interim Monitoring - No Limit
_	74 Dibenzo(a,h)Anthracene	NO.F		A THE RESERVE TO LOCAL DESCRIPTION OF THE PERSON OF THE PE							A DESCRIPTION OF THE PERSON OF	ŧ	***	Interim Monitoring - No Limit
	75 1,2-Dichlorobenzene	μg/L		TAN OF ALL PROPERTY OF ALL PRO										Interim Monitoring - No Limit
	76 1,3-Dichlorobenzene	Mg/L	, in the second second				**************************************				W.C	***	!	Interim Monitoring - No Limit
-	77 1,4-Dichlorobenzene	7,64	Andreaders/conformers Agendration property page	A SECTION SECTION AND SECTION ASSESSMENT OF			The state of the s					-		Interim Monitoring - No Limit
-	78 3,3'-Dichlorobenzidine	ng/L					The state of the s		A DESCRIPTION OF A DESC	The second secon		-	****	Interim Monitoring - No Limit
- Control of the Cont	79 Diethyl Phthalate	MBA	Addis At Assessment As	The state of the s	4.0000000000000000000000000000000000000				VIIII-ITA VIIIII-ITA VIIII-ITA VIIIII-ITA VIIII-ITA VIIIIII-ITA VIIII-ITA VIIIIII-ITA VIIII-ITA VIIIII-ITA VIIII-ITA VIIIII-ITA VIIIII-ITA VIIII-ITA VIIIII-ITA VIIIII-ITA VIIII-ITA VIIII-ITA VIIII-ITA VIIII-ITA VIIII-ITA VIIIIII-ITA VIIIII-ITA VIIIIIII VIIIIIII VIIIII VIIIIII VIIIIII	ALAM COMMISSION AND AND AND AND AND ADDRESS OF THE PARTY	To and the day of stricks & All Stricks A A A Strick A A & A A A A A A A A A A A A A A A A	1	1	Interim Monitoring - No Limil
	80 Dimethyl Phthalate	PB/L						Addition to the section of the contrast to continue and	A STATE OF THE STA			•••	APPR	Interim Monitoring - No Limi
	81 Di-n-Butyl Phthalate	7,67										anna Anna Anna		Interim Monitoring - No Limit

		 			ATO CONTEDIA	TEDIA	_									1 12 5 5 5 5 5	014C0F4 115C 14 C 115 F 15 T15 146 181 113	A 1 5 1 5
				NAME OF STREET, STATE OF STATE OF STATE OF STREET, STATE OF STATE O	5		A VITTURE AND VIEWS AND VIEWS			REASONA	REASONABLE POTENTIAL ANALYSIS (RPA)	ENTIAL /	WALYSIS	(RPA)			147 H	
and the self-framework				Freshwater	water	Human Health	Health	Basin Plan									Organisms Only	Only
CTR# DATE	Chills	5	S. C.	C acute ∓ CMC tot	C chronic **	Not applicable C th W&O C th	0	Trifle 22 GWR	Lowest C	MEC >=	Tier 1 - Need limit?		Tier 2 - Need limit?	Tier 3 - other info.	Tier 3 - need limit?	AMEL.hh * MDEL/ AM	MDEL/ AMEL	MDELT
82 2.4-Dinitrotokiene	PQ/L					0.11	9.1		; <del>-</del>	No	Go to	-		QN QN	9	***************************************	The state of the s	A / 12 Can Proposal Can
83 2,6-Dinitrololuene	- Los		gr.	AMCM TAME			HNON		ij NON	No Criteria Augliafile	Go to	2		Q	Ç			
84 Di-n-Octyl Phthalate	768		9	NONE			NONE	A STANSON AND A		No Criteria Available	Go to	2 2	ç	<u> </u>	2 2			
85 1,2-Diphenylhydrazine	nor		g:	- NCN		20	0.54		5.5		8 5 5		Ç	Ç	9			-
86 Fluoranthene	You		9	ENCN	ENCS.	300	370		5	2	Go 15	2	Ş	Ş	Ş	***************************************	Transman arminon management	ANTENNAME WE SHE AND ADDRESS OF THE
A7 File Locence	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		, u	J. ON	1	1200	96		200	ON T	00 00	2	2 9	2 5	} 9			The state of the s
AS Heyartilornheavons	<b>5</b> 5	- Control of the Cont	Q 6		INC.	1300	000,41		000 000 91	ON	Go to	2 :	2		2	#1 M 111 11 11 11 1 1 1 1 1 1 1 1 1 1 1	With the second of the second	and the second section is the Principle of the Section is the Principle of the Section is the Se
89 Hexachlorobutadiene	<b>1</b> 50	9 6	0 40	E UNCA	NO ON	0.00075	0.0007	WWW. 157 ALERSAN ALEASTA	0.00077 No	77 No 50 No	Go to	2 2	S 5	0 2	9 9			***************************************
90 Hexachlorocyclopentadiene	MOV		9	NONE	NONE	240	17,000		17.000 No	2 2	Go to	2 2	Q.	Q Q	2 2	A THE STATE OF THE	A CAN THE PART HAVE BEEN AND THE PART HAVE BE	Manager of Antoniors of Photograph of
91 Hexachloroethane	ν M		Ŷ	NONE	NONE	1.9	8,9		8.9 No	No	Go to Tier 2	£	ON ON	2	Ş			
92 Indeno(1,2,3-cd)Pyrene	76A	0.6	- 60	NON	NONE	0.0044	0.049		0.049 No	No No	Go to Ter 2	2	2	Q	9			
93 (sophorone	HØV.	9.0	6	NONE	NONE	8,4	009		600 No	No	Go to Tier 2	2	9	9	9			
94 Napthalene	rig/L	-	8	NONE		NONE	NONE		NONE	No Criteria Available	Go to Tier 2	2	2	2	9			-
95 Nitrobenzene	7011	0.6	9	NONE	NONE	21	1,900		1,900 No	οN	Go to Tier 2	Q.	02	9	Q.			
96 N-Nitrosodimethylamine	μgΛ	9.0	9	NONE	NONE	0.00069	8.1		8.1	8.1 No	Go to Ter 2	S	Š	9	8			
97 N-Nitrosodi-n-Propylamine	MQ/L	90	9	NONE	NONE	0.005	1.4		4.1	1,4 No	Go to Tier 2	Ş	Ş	O	Ş			
98 N-Nitrosodiphenylamine	ngv	9.0	හ	NONE	NONE	ĸ	16		16	16 No	Go to Tier 2	£	Š	Ş	2			
99 Phenanthrene	, do	0.6	అ	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	ş	Š	2	Ş	f have of by f the		
100 Pyrene	γöπ	9.0	ø	NONE	NONE	096	11,000		11,000	11,000 No	Go to Tier 2	2	9	Q.	2			
101 1,2,4-Trichkyobenzene	H9/f	0.8	8	NONE	NONE	NONE	NONE	And the second second second	NONE	No Criteria Available	Go to Tier 2	¥	2	Q	9			
102 Aldrin	ro <sub>A</sub>	90	ග	8	3 NONE	0.00013	0.00014		0.00014 No	No	Go to Tier 2	ક	9	Q	ş			
103 alpha-BHC	pg/L	0.6	9	NONE	NONE	0.0039	0.013		0.013 No	No	Go to Tier 2	S	Š	Q.	Ş			
104 beta-BHC	1,67	9.0	¢,	NONE	NONE	0.014	0.046		0.046 No	No	Go to Tier 2	2	õ	2	9			
105 gamma-BHC (aka Lindane)	HOT	0.6	0	0.95	95 NONE	0.019	0.063	0.2		N <sub>O</sub>	Go to Tier 2	ž	2	S S	9			
106 delta-BHC	ng/L	9.0	9	NONE	NONE	NONE	NONE		NONE	No Criteria VE Avaitable	Go to Tier 2	2	S	£	₽			
107 Chlordane	MDA	0.6	9	2.4	0.0043	0.00057	0.00059		0.00059 No	ž	Go to	ş	2	0	Ş			
108 4,4'-DDT	110/1		0.6	1.1	0.001	0.00059	0.00059	-	0.00059 No	S N	Go to Tier 2	2	2	9	9			
109 4.4.DDE	ng/L	9.0	ç	NONE	NONE	0.00059	0.00059	NATIONAL PRINTS OF A PARAMETER AND A PARAMETER	0.00059 No	No	YES					0.00059	-	2.01 0.0011859
110 4,4-DDD	nov	9.0	9	NONE	RONE	0.00083	0.00084	BETT I DOWN THE PROPERTY OF TH	0.00084 No	Š	YES					0.00084		2.01 0.0016884
111 Dieidrin	ng.	9.0	<b>6</b> 0	0.24	0.056	0.00014	0.00014		0 00014 No	N <sub>O</sub>	Go to Tier 2	Ş	9	Ç	Ç			

Boeing SSFL Storm Water (CA0001309, Cl-6027)

ŀ						Control of			PINOTES SECTIONS	CIL S				
, <u>-</u>				HAUAH.	ことところ	LAIRONS		<b>A</b>	TOWNER FIRE C	A.C.A.A.	0			
			Accusacy to unacconditions or co	MATERIAN ILEBANA IMPARAMANTAN	Freshwater			Company of Assessment Venner	Freshwater	vater		PROPOS	PROPOSED LIMITS	
CTR#	DATE	Sylv5	ECA acute muttiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA	Lowest	AMEL multiplier (n=4)	MDEL multiplier AMEL aq.life (n=4)		MDEL aqlife	Lowest AMEL	Lowest MDEL	Recommendation
82 2,	82 2,4-Dinitrotoluene	navr										enede en de endede de l'enede de entre de entre de l'entre de entre de l'entre de l'entr	1	Interim Monitoring - No Limit
83 2,	83 2,6-Dinitrotoluene	100									WHAT I THE WHAT I TAY I TO SHOW THE PARTY OF	# 17 P P P P P P P P P P P P P P P P P P		No Criteria Available
24 Q	84 Di-n-Octyl Phthalate	1/8/L										and the second of the second open and the second open and the	•	No Criteria Available
85 1,	85 1,2-Dipherythydrazine	μg/L				de la Communicación de						MAN WATERPAYETHMENHAL NO SERVE WERE REVEN	The state of the s	Interim Monitoring - No Limit
86 FI	86 Fluoranthene	₽g⁄L										***		Interim Manitoring - No Limit
87 FA	87 Fluorene	ug/l.	A A A A A A A A A A A A A A A A A A A	A CONTRACTOR AND A CONTRACTOR ASSESSMENT OF THE SAME	WEVA A CHARLES A PROGRAMMA A ARREST MARKET	The Control of the Co	AND COMMISSION OF THE PARTY OF					-	ł	Interim Monitoring - No Limit
Ĭ 88	88 Hexachtorobenzene	₽Ø/L										ŧ	1	Interim Monitoring - No Limit
£	89 Hexachlorobutadiene	ng/L									THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	STROPEN IN ARTHUR AND	Dell'	Interim Monitoring - No Limit
£	90 Hexachlorocyclopentadiene	11g/L									and the second s	1	ŧ	Interim Monitoring - No Limit
- I	9f Hexachioroethane	NGA	And any facilities of the faci							AND THE PROPERTY OF THE PROPER		ŧ	NAME OF TAXABLE PARTY.	Interim Monitoring - No Limit
92 In	92 Indeno(1,2,3-cd)Pyrene	76/L								-		1	1	Interim Monitoring - No Limit
93 18	93 Sophorone	7/B/I							A POST OF THE PROPERTY OF THE			I	1844	Interim Monitoring - No Limit
3	94 Napthalene	J/6/									on constitution of the con	***	**	No Criteria Available
N 56	95 Mitrobenzene	7,67			441	The state of the s	and a minimum and a revision of a second				0.0000000000000000000000000000000000000	1	ı	Interim Monitoring - No Limit
2 96	96 N-Nitrosodimethylamine	ugil				0.000						I	1	Interim Monitoring - No Limit
Z 26	97 N-Nitrosodi-n-Propylamine	Mg/L		WALLEST BOAT WITHOUT A FORE A TAXABLE				A 100			manufactory Consistency Constitution	HARF A FARANA A WARRAN JAM HALA Y JAMININA WAR	Tanah Adaman Andrews (1988 Add Add Add Add Add Add Add Add Add A	Interim Monitoring - No Limit
2 86	98 N-Nitrosodiphenylamine	110V										1	1	Interim Monitoring - No Limit
d 86	99 Phenanthrene	ng/t		-				2000-00-00-00-00-00-00-00-00-00-00-00-00			CORCLATA VALUE CARACTERISTA VALUE CONTROL VA	Marie Commission of the Commis	<b>!</b>	Interim Monitoring - No Limit
100	100 Pyrene	110/1				Politica and the control of the cont							1	Interim Monitoring - No Limit
101.1	101 1.2,4-Trichlorobenzene	NB/L				BALLOW PRIMARY BOURDETTING STOPPED				A LE PROPERTY AND A STREET OF THE PERTY AND		1	1	Interim Monitoring - No Limit
102 Aldrin	UJDA	no,	and the second second	A THE PERSON OF				AV COLUMN STATE OF THE PERSON				700	1	Interim Monitoring - No Limit
103 a	103 alpha-BHC	70A			LARRY DAVIS OF THE STATE OF THE	The state of the s				ALL		ı	***************************************	Interim Monitoring - No Limit
104 b	104 beta-BHC	ng/L			**************************************	and the second s						ı	i	Interim Monitoring - No Limit
105 g	105 gamma-BHC (aka Lindane)	ro.	A CAMPAGE AND ADDRESS OF THE PARTY OF THE PA	TO A PURCHASION OF THE PROPERTY OF THE PROPERT			1 - Control Co	A LA PRINCIPA DA A ADRIGATA DA LA PARAMENTA DE SENSOR				Printer of the Control of the Contro		Interim Monitoring - No Limit
106	106 delta-BHC	ngy		erte e emprete v suser v ser monto. Comos				A A STATE OF THE S					are a	interim Monitoring - No Limit
107 (	107 Chlordane	WQ/L	and the state of t		THE PERSON AND THE PERSON AND THE PERSON	THE PARTY OF THE P	*******************************	***			Annual of the State of the Stat	PROJUCIANA A CHARACTERIA A CHARACTA A CHARAC	The state of the s	Interim Monitoring - No Limit
108 4	108 4,4:DDT	νδη	The state of the s						***************************************			1	•	Interim Monitoring - No Limit
109 4	109 445.DDE	ng/t	AVARA ALIVARA	NAMES AND ADDRESS OF THE PARTY	Manager security and state of the security of	TO THE PROPERTY OF THE PROPERT	AND ADDRESS OF A STREET AND A S			Norman V Company of the Company of t	VARADON A PERSONAL A PROPERTY OF THE VARIOUS AND A VARIOUS	Annale A standard or an administrative four frameworks in chance of the	•	Interim Monitoring - No Limit
110,	110 4,4'-DDD	Van											1	Interim Monitoring - No Limit
	111 Dieldrin	NS4	·											Interim Moniforing - No Limit

						CTR CRITERIA	reria										HUMAN	HUMAN HEALTH CALCULATIONS	ULATIONS
					Fresh	shwater	Human Health		Basin Plan		REASONABLE POTENTIAL ANALYSIS (RPA)	BLE POT	ENTIAL	WALYSE	(RPA)			Organisms Only	yluc
	nak daga kada saga manga						Not					Tier 1 -		Tier 2 -	Tier 3 -	Tier 3 ·		*****	
CTR#	DATE	Ž,	5	Custo	Cacute =	C chronic = applicable	applicable C hh W&O C hh O		Title 22	Chance	MEC >=	Need	- C	Need	other info.	need limt?	AMELHh = MDEU AN ECA = C hh O multiplier	MDEL/AMEL	MDELPh
11	5.4	1	0.6		22	056	110	240	ANT-MAN-		No	Go to Tier 2	1	Q.	. Q	9			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
11	113 beta-Endosulfan	Va/L	0.6		0.22	0.056	110	240	The same of the sa	0.056 No	2	Go to Tier 2	£	8	Ş	오			
=	114 Endosulfan Sulfate	ugA	0.0		NONE	NONE	110	240		240 No	o Z	Go to Tier 2	ž	9	Q.	ON.			
-	115 Endrin	uał	0.6		086	0.036	0.76	0.81		0.036 No	2	Go to Tier 2	2	2	9	9			
-	116 Endrin Aldehyde	ua⁄L	0.6		NONE	NON NON	0.76	0.81		0.81 No	2	Go to Tier 2	2	8	2	2			
4	17 Heatachlor	Post	90		0.52	0.0038	0.00071	0.00021		0 00021 No	cz	Go to	Ş	Ç	Ç	2			
1	118 Heptachlor Epoxide	ng/L	0.6	No. of the last of	0.52	0.0038	0.0001	0.00011	A FEBRUARY A STRUCTURA I A A A A A A A A A A A A A A A A A A	0.00011 No	ON	Go to Tier 2	No	2	Q.	Q	AND A MANUFACTURE OF THE PROPERTY OF THE PROPE	No. of the latest and	A. A. Brahaman and a second
	Polychlorinated biphenyls (PCBs)			-	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE RESERVE AND ADDRESS OF THE PARTY OF THE					ON C	ļ 		A A A A A A A A A A A A A A A A A A A					
1	119 Arodor 1016		9.0		NONE	0.014	0.00017	0.00017		0.00017 No	No No	Go to Tier 2	2	9	Q.	Š			
₩.	129 Arodor 1221	7,001	0.0		NONE	0.014	0.00017	0.00017		0.00017 No	2	Go to Tier 2	£	ð	9	9			
72	121 Arodor 1232	no/J	0.0		NONE	0.014	0.00017	0.00017		0.00017 No	2	Go to Tier 2	2	2	9	9			
#4	122 Aroclor 1242	, on	0.0	(6)	NONE	0.014	0.00017	0.00017		0.00017 No	S S	Go to Tier 2	ŝ	Ş	8	9			
=		ug/L	9.0	60	NONE	0.014	0.00017	0.00017		0.00017 No	No	Go to Tier 2	2	9	NO	2			
77		ng/L	9.0		NONE	0.014		0.00017		0.00017 No	S.	Go to Tier 2	2	8	Ş	2	0.00017	7 2.01	1 0.0003417
17		J <sub>Q</sub> U	9.0	<b>C</b>	NONE	0.014	-	0.00017	HILL THE THE TAXABLE A MARKETA I A	0.00017 No	No	Go to Tier 2	ş	8	9	9			
- 2	126 Toxaphene ug/L	hgų	0.8	<b>1</b>	0.73	0.0002	0.0073	0.00075	000000000000000000000000000000000000000	0.06075 No	No	Go to Tier 2	£	S	Q	2			
}	These metals are hardness dependent. CTR criteria was calculated using an average	×	<b></b>																
_	receiving water hardness of 100											_							

				AQUATIC	AQUATIC LIFE CALCULATIONS	ATIONS		AQ	AQUATIC LIFE CALCULATIONS	ALCULATION	Si	***************************************		
					Freshwater				Freshwater	vater		PROPOSE	PROPOSED LIMITS	
## C1	DATE	a c o	ECA acute multiplier (p.7)	LTA acute		LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEI multi	plier	ADEL adlife	MDEL aqlife Lowest AMEL	Lowest MDEL	Recommendation
11	112 aipha-Endosulfan	1,64			AAA Maraa Aa A							***		Interim Monitoring - No Limil
11	113 beta-Endosulfan	₽g/L		A CONTRACTOR OF THE PARTY OF TH								*	1	Interim Monitoring - No Limit
¥	114 Endosulfan Sulfate	шал			THE PARTY OF THE P							- A CONTRACTOR AND A CO	The state of the s	Interim Monitoring - No Limil
11	115 Endrin	ngv							0.000		A TELESCOPPE CONTRACTOR AND A CONTRACTOR	THE RESIDENCE OF THE PROPERTY	The state of the s	Interim Monitoring - No Limit
Ē	116 Endrin Aldehyde	MGA						AAALAMOOF LUMBAAAAA CA SHAROOFFA	V VIETNAMA V V JETVOVA VALANCA VALAVA	Victoria		I	APPROPRIATE TO A STATE OF THE S	Interim Manitoring - No Limit
1	117 Heptachlor	ug/L										mater.	STREET, PERSONNEL PERSONNEL PROPERTY PERSONNEL PROP	Interim Monitoring - No Limit
11	118 Heptachior Epoxide	PBA	and the state of t	- A THE COLUMN TO THE COLUMN T			THE CONTRACT OF THE CONTRACT O	11.00 pp					THE THE PROPERTY OF THE PROPER	Interim Monitoring - Na Limit
T. A.	Polychlorinated biphenyls (PCBs)	HOL		THE PROPERTY OF THE PROPERTY O					The second secon			Į	***	Interim Monitoring - No Limit
17	119 Aroctor 1016	MOA			WILL CONTROL OF THE PARTY OF TH						TO THE COMMITTEE WAS ARRESTED AND A PROPERTY OF THE COMMITTEE OF THE COMMITTE OF THE COMMITTEE OF THE COMMITTEE OF THE COMMITTEE OF THE COMMIT	B-FT		Interim Monitoring - No Limit
12	120 Arodor 1221	µ0√L	lacari									TOTAL TOTAL CONTRACTOR OF THE STATE OF THE S	WHEN THE PROPERTY OF THE PROPE	Interim Monitoring - No Limit
121	11 Arocior 1232	ng/L	THE PARTY OF THE P	Vocamination in special party								•		Interim Monitoring - No Limit
12	122 Arador 1242	ug/L		Total the sales and the sales and a second sales an		THE OWNER WAS ASSESSED TO THE OWNER OF THE OWNER OF THE OWNER OWNE	The state of the s	CANAL SERVICION A CALCADA VA ANA VANCINA VANCI	A A CAST CONTRACTOR AND A STREET BLANCOOK				**	Interim Monitoring - No Limit
12	123 Arodor 1248	ηgγ				The state of the s	***************************************	A - A- CHILDREN A - CHIL	Committee of carried and an arrival committee of the carried and arrival committee of the carried and arrival arrival arrival and arrival			1	1	Interim Monitoring - No Limit
12	124 Arodor 1254	Mak	And the second s	THE WAY A CHARLES AND A STATE OF THE STATE O	AN A RESIDENCE AND A STANDARD OF THE PARTY O							A ANTO FIFTH A SANA A A ANTO A A FORE A SECURITION OF THE SANA SECUR	Neddilmingen megalii innganaman megalik	Interm Monitoring - No Limit
12	125 Arodor 1260	nav		The state of the s							The state of the s	****	ı	Interim Monitoring - No Limit
FOOT	126 Toxaphene FDOTNOTE	ug/L										1	<b>-</b>	interim Monitoring - Nb Linii
	dependent. CTR criteria was calculated using an average													
	receiving water hardness of 100 mg/L.			-			*****							

Table A3

Reasonable Potential Analysis for Non-Priority Pollutants in Wastewater
The Boeing Company
(Santa Susana Field Laboratory)
Outfalls 003 through 010
(CA0001309, CI-6027)

			·								
AITNETO9 ELBANOSAER	*UN	YES	Š N	YES	YES	YES	YES	and the second s	YES	A THE THE PARTY OF	
profection profection AP-Aquatic life profection	Ē	2 2	98	B	3	8	BO		<b>B</b>	And the state of t	
Water Quality Objectives	150	54	9		300	850	10		တ	A PART OF THE PART	
Projected Maximum Receiving Water Concentration	47.08	4935 93	5.27	1.04	430.22	978.32	25.99		16.50		
Background Concentration	A THE PARTY OF THE					The same of the sa	The second secon				
Oilution Ratio		0	0	0	0	0	0		0		
Projected Maximum Effluent Concentration (99/99)	47.09	4935 93	5.27	1,04	430.22	978.32	25.99		16.50		-
Multiplier	4 0 4	8.95	2.20	22.09	2.69	1.60	1.62		1.85		
CV	30.0	2.45	0.68	2.30	2.25	0.72	0.79		1.09		
Maximum Observed Effluent Concentration	1 1	1	2.40		F	ì	1		8.90		
ealdms& to tedmuN	7	24	29	7	80	81	87	**QN	87		A TOTAL OF THE STATE OF THE STA
stinU	I so	ma/!	ua/L	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L		And the control of th
		armount of the contract of the			and the second s	WATER THE TAXABLE		The second secon	TAN TANDERS CANADA CANA	ВРЈ	THE STREET AND ASSOCIATION OF THE STREET
СОИЗТІТИЕИТ	The state of the s		Perchlorate	BOTON	Sulfate	TDS	Oil and Grease	luoride	Nitrate +Ntrite as Nitrogen	Effluent limit retained using BPJ	**No Data
	<u> </u>	)  -	0	ω	S	<u> </u>	0	Li.	Z	*	Ţ

### **ATTACHMENT 3**

## TABLE R1. Boeing SSFL Outfalls 012 through 014 (CA0001309, Cl-6027)

					CTRC	CRITERIA										HUMAN	HUMAN HEALTH CALCULATIONS	ATIONS
				Fresh	Freshwater	Homor	Human Health	Rocin Dlan		REASON/	REASONABLE POTENTIAL ANALYSIS (RPA)	NTIAL A	NALYSIS	(RPA)			William Control of the Control of th	Marks W. M. Panhard advantages
CTR# DATE	Units	<u>ځ</u>	MEC	C acute = CMC tot	onic =	Not applicable C ht W&O	Chho	Title 22 GWR	Lowest	MEC >=	Tier 1 - Need		Tier 2 - Need Iimir2	Tier 3 - other info.	Tier 3 - need leal??	AMELIN =	Urganishs Or WDEL/ AMEL	44 100 11 11 11 11 11 11 11 11 11 11 11 11
1 Antimony	Mad	0.6			NONE	41	4300	9	0	S.	Go to Tier 2		Ş	ON CO	]	And the Analysis of the contract of the contra	And the state of t	
2 Arsenic	ng.	0.6		340	150	NONE	NONE	90	50.0 No	No.	Go to Tier 2	ž	9	2 2	2 2		The state of the s	
3 Beryllium	JOJU.	0.6		NONE	NONE	Narrative	Narrative	4	4.0 No	o <sub>N</sub>	ş	S	Š	2	S	The state of the s		A continuous and a cont
4 Cadmium*	T)BIT	9.0	1.4	3.5		2.5 Narrative	Narrative	5	2.5 No	ž	Go to Tier 2	S S		2	Q Z	THE PARTY OF THE P	The state of the s	A THOUGH A THROUGH A CONTROL OF
Chromium III*	ng∕L	0.6		1737		207 Narrative	Narrative	50	50.0 No	ON.	Yes	ž		CN	S		The state of the s	Address A. Communication of the Communication of th
Chromium VI	H9/L	0.6	6	16.3	**		Narrative	A	11.4 No	No No	Go to Tier 2	2		ON ON	Q.		AND THE RESIDENCE OF THE PARTY	*
6 Copper	1,61	0.581	12	14.0	,	1300	1300 NONE		9.3	9.3 YES	Yes	N <sub>S</sub>				NONE	2.0	And all the state of the state
7 Lead*	Hg/L	9.0	9	81.6		3.2 Narrative	Narrative		3.2	3.2 YES	Yes	S S				Narrative	2.0	Andreas Andrea
8 Mercury	1807	9.6		0.12 Reserved	Reserved	0.05	0.051	2	0.05 YES	YES	Yak	SN C				0.054		0.40
9 Nickel*	PQA.	9.0		469.17	52.16		4600	100	52.16 No	No	Go to Tier 2	S S	S	Q.	Ş	WITH A TATE OF THE PROPERTY OF		And the second s
10 Selenium	J9%.	0.6	Manufa A A a series and a serie	Reserved	\$	5 Narrative	Narrative	50	5.00 No	<u>8</u>	Go to Tier 2	o Z	ON ON	Q.	9			
11 Silver*	J/B/L	0.6		4.06	4.06 none	NONE	NONE			Ĉ.	Go to Tier 2	S	S	Q.	S	***************************************	Annual Control of the Party of the State of	Andrew Andrews (Andrews)
12 Thallum	T.Bd.	0.6		NONE	NONE	1.7	6.3	2	2.00	No	Go to Tier 2	8		Q	9			NO RECORDED AND ADMINISTRATION OF THE PARK TO
13 Zinc*	T'AU.	0.6	92	119.8	119.8 none	none	NONE		۵	<sub>Q</sub>	Go to Tier 2	° N	Q.	Q N	Q.			
14 Cyanide	Hg/L	0.6		22	5.2	700	220,000	200	5.2 No	Š	YES			CORPA A A A A A A A A A A A A A A A A A A		220000	20	4413616
15 Asbestos	Fibers/			NONE	NONE	7,000,000 NONE	NONE	7x10^6	7×10^6	No	Go to Tier 2	No	Q.	Q.	Q	To the vite calculation by contribution of professional of degenerate of general calculations and the calculation of the calcul		
16 2,3,7,8-TCDD (Dioxin)	ng/L	9.0	0.6 2E-07	NONE	NONE	0.000000013	0.000000013 0.000000014 3x10^-5	3x10^-5	1.4E-08 YES	YES	Yes					0 000000014	28.6	S SARRELOS
17 Acrolein	Mg/L	0.6	10	NONE	NONE	320	780		780 No	o <sub>N</sub>	Go to Tier 2	2	õ	NO	9			A Section of Contract of Contr
18 Acrylonitrite	15Q/L	0.6	3	NONE	NONE	0.059	0.66	- Control of the cont	0,66 No	No No	YES	Š	ON	Q.	õ			A definition of a females of a
19 Benzene	J/6ri	0.0		7.1 NONE	NONE	1.2	71	-	1	1 No	Go te Ter 2	õ	ON ON	Q.	9			· da · dance · da · d
20 Bromoform	7/64	0.8	THE PARTY OF THE PERSON NAMED IN	NONE	NONE	4.3	360		360 No	Ν̈́O	Go to Tier 2	Š.	õ	Q.	9	and the same of th	THE PARTY AND THE PARTY AND THE PARTY AND ADDRESS OF THE PARTY AND THE P	Authorities Management
21 Carbon Tetrahloride	119/L	9.0		NONE	NONE	0.25	4.4	900	4.4	4.4 No	Go to Tier 2	ŝ	õ	Ş	9		74	1. The state of th
22 Chlorobenzene	T/6/L	9.0	3	NONE	NONE	089	21,000		21,000 No	No O	Go to Tier 2	S	Š	9	9			
23 Dibromochloromethane	T)Ort	9.0	-	NONE	NONE	0.401	ä	WAY THAT A DOOR	8	34 No	Ga to	8	<u>م</u>	QN ON	9	t the grant and before the state of the stat	And the subdivious and a second property of the suppose	A PARTIE AND A PAR
24 Chloroethane	ng/L	90		NONE	NON	UON E	J.C.N.		ENCO.	No Criteria	Go to	42	9	Ş	Ş			

Boeing SSFL Outfalls 012 through 014 (CA0001309, Cl-6027)

														ere.
				AQUATR	AQUATIC LIFE CALCULATIONS	LATIONS	A security of a security of the security of the security of	K	QUATIC LIFE (	AQUATIC LIFE CALCULATIONS	AAAAA AAAA			
					Freshwater	L	- Proposition Annual Control Control		Fresh	Freshwater		PROPOSI	PROPOSED LIMITS	
CTR#	DATE	\$15 5	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier		LTA chronic Lowest LTA	AMEL multiplier (n=4)	MDEI multi	oller	- Spirite	MDEI aniife ii owaet AMEI		
	Antimony	7,61					THE STATE OF THE S			William		ALL OF THE PROPERTY OF THE PRO		Interim Monitoring - No CTR.
2	2 Arsenic	T/Br/							The state of the s	**************************************			Page 1	Interim Monitoring - No CTR
m	3 Beryllium	ra.	The state of the s				The state of the s		and the second s	V		- Company Control Cont	***	Dased Limit Interim Monitoring - No CTR-
4	€Cadmi⊔m*	ng/L				a d i d d d d d d d d d d d d d d d d d				OF THE PARTY OF TH		The state of the s	Andrews and the Control of the Contr	based Limit Interim Montoring - No CTR-
5a	Chomium III*	1701	The Art of				A Principle of the Parish	The state of the s		A. Commonwealth of the com		See	-	based Limit Interim Monitoring - No CTR-
20	Chromum VI	µg∕t.					VIII III III III III III III III III II	The state of the s	110000000000000000000000000000000000000	TO THE PERSON WASHINGTON A PARTY OF THE PERSON OF THE PERS	- WARRAN AND THE	The same of the sa	THE SALA AND SHARE WITH THE SHARE AND AND AND AND AND AND ASSESSMENT OF THE SALAR AND AND ASSESSMENT OF THE SALAR	based Limit Interim Monitoring - No CTR
•	6 Copper*	1,61	0.33	8.4	0.54	5.0	4.6	1.5	17	3.03131054	14.0	7.4	974	Dased Liff
7	7 Lead*	hg/L	0.32	7	0.53	ALL STATE OF THE S				2.6 3.11445743	5.5	2.8	, t	New Limit Based on CIR
40	**************************************	100/	0.32		0.53							300	National Company of the Park o	A CONTRACTOR OF THE CONTRACTOR
6	9 Nicker	rig/L			The state of the s				*A A A A A A A A A A A A A A A A A A A	T. 0		co.o	0,10	New Limit Based on CTR Interim Monitoring - No CTR-
								100000	V La Vicinia de la cultura de	9000000 mayo da 100mm mm			And Address and Angeles and An	Daseo Limit
10	10 Setenium	100	A The state of the									ı		Interim Monitoring - No CTR-
11	11 Silver*	7,67				The state of the s	The state of the s			The state of the s		The state of the s		Interim Monitoring - No CTR-
12	72) Thailium	, en			1					the contract of the contract o	TO THE PERSON NAMED IN COLUMN		PARTITAL PAR	Dased Limit Interim Monitoring - No CTR-
					And Annual security of the Conference of the Con	The state of the s	V			1000	- Control of the Cont	-	***	Dassed Limit
13	13 Zinc*	ng/L												Interim Monitoring - No CTR-
**	14 Cyanide	1,64	60	7.1	0.53	2.7	2.7	9	43	3.1	α α	PHANANANA I a minimum manana mananana manananananananananana	A STATE OF THE STA	Interim Monitoring - No CTR-
15	15 Asbestos	Fibers/ L								- Contrade de la cont			*	Interim Monitoring - No CTR-
							VIVETETAMABAIANIO	To a second seco				The state of the s	Afrika 111111111111111111111111111111111111	Vasco Linearia
16	16 2,3,7,8-TCDD (Dioxin)	Hg/L	0.32		0.5		A VIII A I A VIII A II A VIII A III	9.1	The State of the S	3.1		1.4E-08	2.8E-08	New Limit Based on CTR
11	17 Acrolein	ng/L								•		1	1	interim Monitoring - No Limit
æ	18 Acryloniffie	101	The state of the s	444										Interim Monitodno - No I mit
19	19 Benzene	₽Ø/L										***	***	Interim Monitoring - No Limit
20	20 Bromoform	1,04	- Constitution of the Cons							FA			A AAAAA Tahahaa aa	
21	21 Carbon Tetrahloride	ng/L				THE PARTY OF THE P								THE TO THE STATE OF THE STATE O
22	22 Chlorobenzene	-j.či				A STATE OF THE STA			THE PROPERTY OF THE PARTY OF TH	William W. Walland V.	THE STATE OF THE S			INSTITUTION MODIFICATION NO LIMINA
23	23 Dibromochioromethane	1/04										ı	- The state of the	interim Monitoring - No Limit
24	24 Chloroethane	Ton Ton										ŧ.		No Limit - No Criteria Available
			,									1		

### Boeing SSFL Outfalls 012 through 014 (CA0001309, CI-6027)

	_		-					-								AVWINDAMANAVANAVANAVA	VVP/VVVVICEMENTATOR VENEZATION CONTINUES CONTI	under Wilderson retains
	*******		k	Fres	Freshwater	Human	Human Health	Basin Plan	Without the Control of the Control o	REASONA	REASONABLE POTENTIAL ANALYSIS (RPA)	NTIAL A	NALYSIS	(RPA)	~~~~		Organisns Only	
DATE	Umits	ة	MEC	C acute #	C chronic = CCC tot	Not applicable C hh W&O	0 £	Title 22 GWR	Lowest C	MEC >=	Tier 1 - Need limit?	- Z = G	Tier 2 - Need	Tier 3 - other info.	Tier 3 . need limit?	AMELHN #	MDEL/ AMEL	MDELP
25 2-chloroethyl vinyl ether	µg/L	9.0		NON	NONE	NONE	NONE			No Criteria Available	1			. ON				
26 Chloroform	7,67	9.0	0.98 NONE	KONE	NONE	Pa	Reserved		Reserved	No Criteria Available		ΨV		CN	S		THE RESERVE THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PR	- Annah Amerika
27 Dichlorobromomethane	р <u>о</u> 4	9.0		NONE	NONE	0.56	46		ထ္	No	Go to Tier 2	2		9	9		TO SECURE AND A SECURE AND A SECURE ASSESSMENT ASSESSME	
28 1,1-Dichioroethane	1/6d	9.0		NONE	NONE	NONE	NONE	4C	8	No No	Go to	Š		S	9		PRATTANIA WARANA A Laurante de Administra de Austra de Administra de Austra de Administra de Adminis	C-000 00 12 12 1000
29 1,2-dichloroethane				NONE	NONE	0.38	66	0.5	0.5	No	Go to Tier 2	S		N O	9			
30 1,1-Dichloroethylene	je Pa	9.0		NON.	NONE	0.057	3.2	9	2	o <sub>N</sub>	Go to Tier 2	Q		9	ç	* MAN . WAR AN . W. T. W. A.	and the second s	
31 1,2-dichlooropropane	7/6rl	9.0		NON	NONE	0.52	39	ഹ	2	No	Go to Tier 2	2	1	ON ON	9		The state of the s	Marked about office
32 1,3-dictiloropropylene	ng/L	9.0		NON	NONE	10	1,700	0.5	0.5	cN CN	Go to Tier 2	e S	***************************************	Q.	Q	And the state of t	And the second s	
33 Ethybenzene	1,6gr	9.0		NONE	NONE	3100	29,000	0.7	0.7	No No	Go to Tier 2	2		Š	9			
34 Methyl bromide	1/8/L	9.0		NONE	NONE	48	4,000		4,000 No	9	Go to Tier 2	2		9	2		mand of their active of the state of the sta	ALVEST AN AVAILABLE
35 Methyl chloride	ng/L			NONE	NONE	Narrative	Narrative		Narrative	No Criteria Available	Go to Tier 2	S ga		QN	9		THE TAX A PROPERTY OF TAX A PARTY OF	W-V-18-40-00-00-00-00-00-00-00-00-00-00-00-00-
36 Methylene chloride	Mg/L	0.6		NONE	NON	4.7	1,600		8	No	Go to Tier 2	2		2	ş			
37 1,1,2,2-tetrachiroethne	идл	9.6		NONE	NONE	0.17	11	***	<del>-</del>	No	Go to Tier 2	2	Ş	9	2	A CANADA PARAMANA PAR	The control of the co	
38 Tetrachloroethylene	1/67	9.0		NONE	NONE	9.0	8.85	S	5	No	Go to Tier 2	Š	Š	NO	9		And At At the Print and At At a state of the At	· War walland
39 Toluene	HQ/L	0.6	8	3 NONE	NON	0089	200,000	150	150	No	Go to Tier 2	ž		NO NO	2			and the second
40 Trans 1,2-Dichloroethylene	7/6rl	0.6		NONE	NONE	700	140,000	10	10 No	40	Go to Tier 2	ş	S S	Q	ş		WITH A THE STATE OF THE STATE O	A-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-
41 1,1,1-Trichioroethane	Pg/L	0.6		NONE	NONE	Narrative	Narrative	200	200 NO	ò	Go to Tier 2	S.		Q.	9			
42 1,1,2-trichloroethane	PO/L	0.6		NONE	NONE	9.0	42	iņ.	S	No No	Go to Tier 2	2	S	S S	ş			
43 Trichloroethylene	ng/L	0.6	0.57 NONE	ONE	NONE	2.7	83	ß	\$	No.	Go to Tier 2	S.		9	õ	455	THE STATE OF THE STATE S	The statement of the st
44 Vinyi chloride	ng/L	0.6		NONE	NONE	7	525	0.5	0.5 No	9	Go to Tier 2	Š	ON ON	Ŏ.	Ş			
45 2-chlorophenol	ng/L	90	-	NONE	NONE	120	400		400 No	9	Go to Tier 2	<u>0</u>	õ	Q	S.			
46 2,4-dihlorophenol	иду	9.0	-	NONE	NON	83	790		ON 062	9	Go to Tier 2	ş		Q	Ş			
47 2,4-dimethylphenol	mg/L	0.6	-	NONE	NONE	540	2,300		2,300 No	Q,	Go to Tier 2	S.	2	9	Q.			
4, o-unino-o-resol 48 (aka2-methyl-4, 6-Dinitrophenol)	navr	0.6		NONE	NONE	13.4	765		765 No	9	Go to Tier 2	S S		9	9			
49 2,4-dinitrophenol	LIGAT.	9.0		NON	NONE	7.0	14,000		14,000 No	9	Go to Tier 2	Š	8	02	9			
50 2-nitrophenol	hgvl.	9.0		NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	No.		Q	9		AND	A 100
51 4-nitrophenol	ug/L	0.8		NONE	NONE	NONE	NONE			No Criteria Available	Go to Tier 2	2		QN QN	õ			
3-Methyl-4-Chlorophenol	800	e c	_=	aNCN	₽ NON	awon	ANCE		Andrew Landson	No Criteria Available	GO 10 Ter 2	2		CN	5		W. C.	

Boeing SSFL Outfalls 012 through 014 (CA0001309, Cl-6027)

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		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Automotoponomono escentistado	Wall Art Cale of the Cale of t			ANTONIA VARIANTA A MANAGA A ALIA				****			
CTR#	Date	\$ S	ECA acute multiplier (p.7)	LTA acute	Freshwater FCA chronic multiplier	LTA chronic Lowest LTA	LowestLTA	AMEL. multiplier (n=4)	Freshwater  MDEI  MDEI  MUIII	water MDEL multiplier (n=4)	MDEL adiffe	PROPOS MDEL adife Lowest AMEL	PROPOSED LIMITS  AMEL Lowest MDEL	Recommendation
25	25 2-chloroethyl vinyl ether	pg/L					THE RESERVE OF THE PARTY OF THE					THE TAXABLE TO STREET THE STREET STRE		No Limit - No Criteria Available
**	28 Chloroform	10,1	A A A A A A A A A A A A A A A A A A A										;	No Limit - No Criteria Avaitable
23	27 Dichlorobromomethane	na/L								ACCUPANT THE PARTY OF THE PARTY	177000000000000000000000000000000000000	4	Address of Publishers of Address	Interim Monitoring - No Limit
23	28 1,1-Dichloroethane	119/L						And the control of th				***	The state of the s	Interim Monitoring - No Limit
23	29 1,2-dichloroethane	Water Control of the		The state of the s			уди идроду у кулопина фуду выпозохо и и и					WAY OF DEPT HANDS AND	-	Interim Monitoring - No Limit
æ	30 1,1-Dichloroethylene	J.										ł	1	interim Monitoring - No Limit
3	31 1.2-dichlooropropane	PQ/L								AAAAA WAA III AAAAAAAA AAAAAAAAAAAAAAAA	AND AND ADDRESS AN	AAA	And the delay of the second of the second of the second of	Interim Monitoring - No Limit
è	32 1.3-dichloropropylene	줐	West of the state									n e	**	Interim Monitoring - No Limil
8	33 Ethylbenzene	Pg/L	and the state of t									ţ	*	Interim Monitoring - No Limit
ઌૻ	34 Methyl bromide	1/0/1					-					MAN I VARIANDOV II PRILAMA OF II PURISA V. A.D. WILL AL JOHN	And the state of t	Interior Monitoring - No Limit
ಹ	35 Methyl chloride	1,6d		THE PROPERTY OF A PARTY OF THE	- The case of the	And the second s						1	*	No Limit - No Criteria Available
ਲ	36 Methylene chloride	ng/t		NAMES OF THE PARTY		The state of the s					P	-	1	Intertm Monitoring - No Limit
ю́.	37 1,1,2,2-fetrachiroethne	no/t	*****					NOVA II AANII AA LA NAA AAAAA AA AAAAA AA AAAAA AA AAAAA AAAA	INVESTIGATION OF THE ADMINISTRATION OF THE A	AT NATIONAL AT THE STATE OF THE	Annual Commence of the commenc	***	matery for contract for the definition of the state of th	Interim Monitorina - No Limit
7	38 Tetrachloroethylene	1/0/			The state of the s					N - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			Market Andreas	Interim Monitoring - No Limit
ě	39 Toluene	HQ/L		The state of the s								ŧ.		Interim Monitoring - No Limit
4	40 Trans 1,2-Dichloroethylene	₩,					The state of the s					-	1	Interim Monitoring - No Limit
***************************************	41 1,1,1-Trichtoroethane	NO.		HET HER VA VIEW HEAVE FOR A LIFE A LA ALLES AND A LIFE		Very control of the state of th	A A A A A A A A A A A A A A A A A A A					1	d de	Interim Monitoring - No Limit
4	42 1,1,2-trichloroethane	l/Q/L		PROPERTY OF THE PROPERTY AND ADDRESS AND A								1		Interim Monitoring - No Limit
4.	43 Trichiproethylene	MOL								-		and .	THE TAXABLE PROPERTY OF THE PR	Interim Monitoring - No Limit
4	44 Vinyl chloride	ng/L		THE PROPERTY OF THE PROPERTY O		A THE COLUMN TO						THE COMPANY OF THE CO		Interim Monitoring - No Limit
4	45 2-chlorophenol	ng/L										1	**************************************	Interim Monitoring - No Limit
4	46 2,4-dinlorophenol	ng.(r	٠						, and the second	70	AT THE ATTENDED ATT AND A TOTAL ATTENDED ATT.	And the second of the second o		interim Monitoring - No Limit
4	47 2,4-dimethylphenol	NO.			OF STREET ACTION OF A VALUE OF THE ACTION OF THE ACT					VIETNAM WATER		<b>\</b>		Interim Monitoring - No Limit
A CHANADAMA	4,6-dinitro-o-resol 48 (aka2-methyl-4,6-Dinitrophenol)	PQ/L	110000000000000000000000000000000000000									***	man - vocated representation and the second	Interim Monitoring - No Limit
4	49 2,4-dinitrophenol	HQ4	**************************************		**************************************				CARLO A LA CORPORA DE CARLO DE LA CARLO DE CARLO	V Coloniar A. I. I. Colore V. A. a. arresia A. A.	Personal Valuation of Assessment		**	Interim Montoring - No Limit
9	50 2-nitrophenal	na/r											ı	No Criteria Available
\$	1 4-nitrophenol	1764			A SERVICE BASE OF A A A Man and A A A A Man and A						A Common of the	ANALY COMPANY AND PROPERTY OF THE STANKE AND	A COMMISSION OF THE PROPERTY O	No Criteria Available
\$	3-ivetryl-4-Chiorophenol 52 (aka P-chioro-m-resol)	uor												No Criteria Avaitable

Boeing SSFL Ouffalls 012 through 014 (CA0001309, CI-6027)

			-		***					02CV0U0	TCG H E	7	/ V	1000				
		<u> </u>		Freshwater	water	Human	Human Health	Basin Plan				KEASUNABLE PUIENIIAL ANALYSIS (KPA)	757	(Kra)			Organisms Only	
JR# DATE	Units	N O	NEC CA	C acute #	C chronic = CCC tot	Not applicable C hh W&O	Chho	Title 22 GWR	Lowest C	MEC >≖ Lowest C	Tier 1 - Need limit?	- Z = Q &	Tier 2 - Need	Tier 3 - other info. ?	Tier 3 - need limit?	AMELNH # ECA = Chh O	MDEL/ AMEL multiplier	MDELhh
53 Pentachlorophenol	J/grt	0.6	돕	en the	<u>=</u>	0.28	8.2	-	-	No	Go to			ON	***	And the same of th	distance of the second	
54 Phenoi	7.6a	0.6	7.2 NONE	)NE	NONE	21,000	4,600,000		4.6x10^6	No	Go to Tier 2	2		9	9			And the second
55 2,4,6-trihlorophenal	ng./r	9.0	ž		NON	2.1	6.5		5	No	Go to Tier 2	2		9	Ş			
56 Acenaphthene	T/Brit	9.0	Š		NON	1200	2,700		2,700	9N	Go to Tier 2	2		Q	Q	A	The The Advisor Andreadour Advisor Adv	
57 Acenaphthylene	7,611	0.6	Ž			NONE	NONE		NONE	No Criteria Available	Go to	c <sub>N</sub>		C	Ç			Andrew Andrews
58 Anthracene	µg/L	9.0	Š	T T T T T T T T T T T T T T T T T T T		0096	110,000		000	No	Go to Tier 2	No	C 1	Q	Q.		A CONTRACTOR AND	A Market Income of the Income
59 Benzidire	HQ/L	0.6	N	ĺ	NONE	0.00012	0.00054		0.00054 No	No	Go to Tier 2	Š		9	9	The second of th	And the state of t	-
60 Benzo(a)Anthracene	1,61	0.6	ž	NONE	NONE	0.0044	0.049		0.049 No	S.	Go to Tier 2	S.		S S	9	The state of the s		
61 Benzo(a)Pyrene	7)6/1	9.0	ž	NONE	NONE	0.0044	0.049		0.049 No	ON.	Go to Tier 2	Š		NO NO	9	of a that the first of a that the above to t	A character of the char	
62 Benzo(b)Fluoranthene	100,0	9.0	ž	NONE	NONE	0,0044	0.049		0.049	SN SN	Go to Tier 2	°N	ļ	S	9		CONTROL OF THE PROPERTY OF THE	
63 Benzo(ghi)Perylene	ng/L	9.0	ž		NONE	NONE	NONE		NONE	No Criteria Available	So to Ter 2	oN O		S	9	CONTRACTOR	Vertical and the three tenthemone destinates of the tenthemone.	A
64 Benzo(k)Fluoranthene	707	9.0	2	NONE	NONE	0.0044	0.049		0.049	No ON	Go to Tier 2	Ŝ		Q.	9			The second secon
65 Bis(2-Chloroethoxy) methane	1,6(1	90	×	NONE		NONE	NONE		NONE	No Criteria Available	Go to Trer 2	£		2	9			
66 Bis(2-Chloroethyl)Ether	176/1	9.0	Z	NONE	NONE	0.031	1.4		1.4 No	ON O	Go to Tier 2	o N		Q.	9			<b>C</b>
67 Bis(2-Chloroisopropyl) Ether	ng.t	9.0	윋	NONE	NONE	1400	170,000	A CONTRACTOR OF THE PERSON OF	170,000 No	No ON	Go to Tier 2	S S	Q.	ON ON	Q Q			
68 Bis(2-Ethylhexyl) Phthalate	1/6/1	9.0	N	NONE	NON	1.8	5.9	4	4	<u>8</u>	YES							THE PART AND THE PART OF THE P
69 4-Bromopheny Phenyl Ether	FIG.	9.0	Z			NONE	NONE		NONE	No Criteria Available	Go to Tier 2	Š	ON.	9	Ş			A CALL OF THE PARTY OF THE PART
70 Butylbenzyl Phthalate	ng/r	9.0	¥	NONE	NONE	3000	5,200		5,200 No	S <sub>C</sub>	Go to Tier 2	Ŷ	ON.	Q	S			
71 2-Chloronaphthalene	ng/L	9.0	¥	NONE	NONE	1700	4,300		4,300	4,300 No	Go to Tier 2	ç	9	9	õ	1000		HARRIED MARKET
72 4-Chlorophenyl Phenyl Ether	NO/L	9.0	¥	NONE	200	NONE	NONE	A second	NONE	No Criteria Available	Go to Tier 2	ç	Ş	Q.	9			
73 Chrysene	ng/L	9.0	¥	NONE	NONE	0.0044	0.049		0.049 No	oN ON	Go to Tier 2	ŝ	Š	ON ON	9			
74 Dibenzo(a h)Anthracene	1994	9.0	¥	NONE	NONE	0.0044	0.049		0.049 No	No No	Ga to Tier 2	ŝ	Š	Q.	9			
75 1,2-Dichlorobenzene	1/6rl	9.0	N	NONE	NONE	2700	17,000	009	600 No	No OX	Go to Tier 2	No		9	Ş			Command to Command to
76 1,3-Dichlorobenzene	Pg/L	9.0	×	NONE	NONE	400	2,600		2,600 No	No	Go to Tier 2	ŝ	9	Q.	9			
77 1,4-Dichlorobenzene	MB/L	9.0	×	NONE	NONE	400		co	5	5 No	Go to Tier 2	2		2	9			
78 3,3'-Dichlorobenzidine	μgΛ	9.0	ž	NONE	NON	0.04	0.077		0.077 No	No No	Go to Tier 2	2		Q.	9			
79 Diethyl Phthalate	1001	9.0	¥	NONE	NONE	23000	120,000		120,000 No	No	Go to Tier 2	2		Q	2			and the state of t
80 Dimethyl Phthalate	идл	9.0	ž	NONE	NONE	313000	2,900,000		2.9×10^6	No	Go to Tier 2	2	Q	9 2	S	A CONTRACTOR OF THE CONTRACTOR		The facility of the facility o
:	_	-		_			_				5	_						

1/25/2006

### Boeing SSFL Outfalls 012 through 014 (CA0001309, CI-6027)

		ļ		AGUATK	C LIFE CALCULATIONS	LATIONS		¥	AQUATIC LIFE CALCULATIONS	ALCULATIO	NS				ſ
				The state of the s	Freshwater				Freshwater	water		PROPOS	PROPOSED LIMITS		
CT##	DATE	nuts	ECA acute multiplier (p.7)	LTAacute	ECA chronic multiplier	LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEL multiplier AMEL aq.life (n=4)	MDEL multiplier (n=4)	MDEL aqiffe	MDEL agilfe Lowest AMEL	Lowest MDEL	Recommendation	A FORW BATTA WITHOUT
65	53 Pentachiorophenoi	ከውሊ			NOTION OF STREET, STRE					A CONTRACTOR OF THE CONTRACTOR	***************************************	1	***************************************	Interim Monitoring - No Limit	Vo Limit
Ď	64 Phenol	rid.		THE PARTY AND DESIGNATE A REPORT OF THE PARTY AND A SECRETARY ASSESSMENT AS			W CHARLET PARTMENT INCOMPACTORY					**	***	Interim Monitoring - No Limit	S Limit
ଶ	55 2,4,6-trihloraphenol	hg/L	THE VENEZUE AND THE PARTY OF TH									***	CONTRACT OF THE PROPERTY OF TH	Interim Manitoring - No Limit	Vo Limit
Š	56 Acenaphthene	Hg/L				The same of the sa						1		Interim Monitoring - No Limit	Vo Limit
IO.	57 Acenaphthyene	rg/L												No Criteria Available	
νĎ	58 Anthracene	ng/L									) )	WARE TO THE PROPERTY OF A SEASON OF TAX NATIONAL PARTY OF THE PROPERTY OF TAX NATIONAL PARTY OF TAX NATIONAL P	And Addition of Angles of	Interim Monitoring - No Limit	No Limit
S	59 Senzidine	119.V		TANAMA A MARAMA MATANAMA A MARAMA MATANAMA MATAN	A THE THE PARTY OF	A solution of the state of the	TE AN ALBOMA AND AND A A ARBITRA A A ARBITRA	THE THE PARTY OF PRESENCE AND ADDRESS OF THE PARTY OF THE					+	Interim Monitoring - No Limit	No Limit
Ø	60 Benzo(a)Anthracene	иол								00000000000000000000000000000000000000	ACT OF CHARGE AND ACT OF CHARG	A CONTRACTOR OF THE PARTY OF TH	# WAR	Interim Monitoring - No Limit	No Limit
9	61 Benzo(a)Pyrene	ъ∂√г							177000000000000000000000000000000000000			ŧ		Interim Monitoring - No Limit	No Limit
9	62 Benzo(b)Fluoranthene	המער		A Management of A Matches of A Management								I	*	Interim Monitoring - No Limit	No Limit
ę,	63 Benzo(ghi)Perylene	ng/L			***************************************							Ì		No Criteria Available	
9	64 Benzo(k)Fluoranthene	ng/L										:		interim Monitoring - No Limit	No Limit
9	65 Bis(2-Chloroethoxy) methane	100				The state of the s	OOA HELIMATET HERIMANIA OF THE STREET	TO POST TO A CONTRACT TO A CON				-	And the second of the second o	No Criteria Available	
9	66 Bis(2-Chloroethyl)Ether	ng/L					and the second					l	ŧ	Interim Monitoring - No Limit	No Limit
- 9	67 Bis(2-Chloroisopropyl) Ether	110/L		V	The state of the s					A Desired	and other many and an extension of the same	1		Interim Monitoring - No Limit	No Limit
9	68 Bis(2-Ethylhexyl) Phthalate	η <sub>Ø</sub> γΓ										1	l	Interim Monitoring - No Limit	No Limit
9	69 4-Bromophenyi Phenyi Ether	ng/L		THE THE PERSON OF THE PERSON O								*		No Criteria Available	m
7	70 Butybenzyl Phthalate	7/6/1										1		Interim Monitoring - No Limit	No Cimit
7	71 2-Chloronaphthalene	J/6/I										ı	1	Interim Monitoring - No Limit	No Limit
7	72 4-Chloropheny Pheny Ether	ug/L			minute of many of a set minute of the					AN VIII VENNO BILLA DE LA PARTICIO DELLA PARTICIO D		-	1	No Criteria Available	and the second
7	73 Chrysene	ug/L							-			1		Interim Monitoring - No Limit	No Limit
	74 Dibenzo(a,h)Anthracene	HB/L		Adult de l'Arrestant de la company de la com	A Antonio A I A A Contraction in when many of the con-				3000	A CONTRACTOR OF THE CONTRACTOR		1		Interim Monitoring - No Limit	No Limit
Γ.	75 1,2-Dichlorobenzene	µg/L		100000000000000000000000000000000000000		CONTRACTOR OF THE STATE OF THE		THE COURT OF THE C				1	1	Interm Monitoring - No Limit	No Limit
	76 1.3-Dichlorobenzene	Hg/L		The state of the s	-						TO VALUE OF THE PARTY OF THE PA		***	Interim Monitoring - No Limit	No Lirrit
1	77 1.4-Dichlorobenzene	ng/L	THE PARTY OF THE P		The second secon							1	i i i i i i i i i i i i i i i i i i i	Interim Monitoring - No Limit	No Limit
-	78 3,3'-Dichlorobenzidine	NO/L										-	The state of the s	Interim Monitoring - No Limit	No Limit
	79 Diethyl Phthalate	HQ/L	PRODUCT Administrative de description of the second of the	ed finds for the control of the cont	AND RESIDENCE AND ADDRESS OF THE PARTY OF TH		***************************************			A. A	THE VALUE AND ADDRESS AND ADDR		1	Interim Monitoring - No Limit	No Limit
~	80 Dimethyl Phthalate	hg/L		ATTACK ASSESSMENT OF THE PARTY								ı	1	Interim Manitoring - No Limit	No Limit
	81 Di-n-Butyl Phthalate	Jan.		SAN AND SAN ASSESSMENT OF SAN								:	į.	Interim Monitoring - No Limit	No Limit

Boeing SSFL Outfalls 012 through 014 (CA0001309, Cl-6027)

					CTRG	CRITERIA		_								HIMAN	MAN HEALTH CALCILLATIONS	
	*********			ATOMINAL TO SERVICE STATE OF THE SERVICE STATE STATE OF THE SERVICE STATE S						REASONA	REASONABLE POTENTIAL ANALYSIS (RPA)	NTIAL	ANALYSIS	(RPA)		and the state of t	And Application of Arthropic constitution (A. Spinis	and an investment of the state
				Frest	Freshwater	Human Health	Health	Basin Plan		***************************************			Market Company	MINISTER AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF TH			Organisms Onty	out.
CTR# DATE	Umits	5	MEC	C acufe = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	c pp o	Title 22 GWR	Lowest C	MEC>≖ Lowest C	Tier 1 - Need Iimit?	 ပ မွဲ	Tier 2 - Need Iimit?	Tier 3 - other info. ?	Tler 3 - need fimit?	AMELIN = ECA = C hh (	MDEL/AMEL O multiplier	MOEL hh
82 2,4-Dinitrotoluene	1/6/1	0	0.6	NONE	NONE	0.11	9.1		9.	No	Go to Tier 2	Š	2	9	9			
83 2,6-Dinitratoluene	HQ-L		9.0	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	9	2	9	9		and the continue of continue or appears of continue of	
84 Di-n-Octyl Phthalate	1,67	0	9.0	NONE			NONE	AT AVERTANCE AND AVERAGE AND A		No Criteria Available	Go to Tier 2	SN SN	N	9	S	A. A	ALTERNATION OF THE PROPERTY OF	
85 1,2-Diphenyfhydrazine	п9/1		9.0	NONE	NONE	0.04	0.54		0.54	No No	Go to Tier 2		8	9	S			
86 Fluoranthene	1/6/1		0.6	NONE	NONE	300	370		370 No	No	Go to Ter 2	2	9	S	9	and the same of th	ale or the figure of a relative and a relative for the figure of the fig	
87 Fuorene	1,611	0	0.6	NONE	NONE	1300	14,000		14,000 No	No	Go to Tier 2	Š	Q.	N 0	92	TANA TANA MARINA	The state of the s	AND
88 Hexachlorobenzene	700	0	9.0	NONE	NONE	0.00075	0.00077		0.00077 No	20	Go to Tier 2	S	2	S	9		Water Control of the	TO A PROMOTE AND A PARTY OF THE
89 Hexachlorobutadiene	₽9/L	0	9.0	NONE	NONE	0.44	90		90 No	No	Go to Tier 2	No	2	9	Š			
90 Hexachlorocyclopentadiene	7/8/1	0	9.0	NONE	NONE	240	17,000		17,000 No	ON	Go to Tier 2	o N	S	Š	Š			
91 Hexachioroethane	HG/L	٥	9.0	NONE	NONE	1.9	9.0		8.9 No	o <sub>N</sub>	Go to Tier 2	S.	2	Q.	2			
92 Indeno(1,2,3-cd)Pyrene	Mg/L		0.6	NONE	NONE	0.0044	0.049		0.049 No	Νο	Go to Tier 2	ŝ	9	9	9			
93 Isophorone	76	0	9.0	NONE	NON	8.4	900		909	£	Go to Tier 2	S.	2	Q.	2			ant to other ass as the
94 Napthalene	J.	0		73 NONE	NONE		NONE		NONE	No Criteria Available	Go to Tier 2	S.	9	9	9		ANNA LOPIA VANCANTANTANTANTANTANTANTANTANTANTANTANTANTA	A. A
95 Wirobenzene	76 <del>1</del>	Φ.		NO PNO PNO PNO PNO PNO PNO PNO PNO PNO P	NONE	17	1,900		006,	N O	Go to Tier 2	2	Š	Š	9			
96 N-Nitrosodimethy/amine	μg/L		9.0	NONE	NONE	0.00069	8.		8.1 No	No	Go to Tier 2	2	S	2	9			
97 N-Nitrosodi-n-Propylamine	μgγ		9.0	NONE	NONE	0.005	4.		1,4	No	Go to Tier 2	Š	õ	ON ON	9			
98 N-Nitrosodiphenylamine	784		9.0	NONE	NON	Ş	16		16	NO.	Go to Tier 2	2	2	õ	9			
99 Phenanthrene	764			4.9 NOME	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	Ą	8	0	2			
100 Pyrene	T/Orl	<u>ت</u>	9.6	NONE	NONE	960	11,000		11,000	No	Go to Tier 2	2	S.	Š	8			
101 1.2,4-Trichlorobenzene	ngr		9.0	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	Ϋ́	Q.	NO NO	0			
102 Aldrin	7/6ri		9.0	n	3 NONE	0.00013	0.00014		0.00014 No	No	Go to Tier 2	S <sub>O</sub>	Q.	Q.	8			
103 apha-BHC	1981		9.0	NONE	NONE	0.0039	0.013		0.013 No	No.	Go to Tier 2	Š	2	9	2			
104 beta-BHC	µያ⁄L		9.6	NONE	NONE	0.014	0.046		0.046 No	No.	Go to Tier 2	2	Š	Q	9			
105 gamma-BHC (aka Lindane)	7,64		0.6	- 1	0.95 NONE	0.019	0.063	0.2	0.063	ON O	Go to Tier 2	ON No	Ş	õ	Q.			
106 detta-BHC	пдуг		0.6	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	Š	Ş	8	S			
107 Chlordane	7,61	-	0.6	2.4	0.0043	0.00057	0.00059		0.00059 No	Š	Go to Tier 2	S	2	9	2			
108 4,4'-DDT	John T		0.6	1.1	0.001	0.00059	0.00059		0.00059 No	No	Go to Tier 2	No	Š	9	9			
109 4,4".DDE	7/6ri		0.6	NONE	NONE	0.00059	0.00059		0.00059 No	No	YES	A Maria de Albarda de	***************************************		ANNE SANTANANA ALAS CALAL CANADA	0.00059	CONTRACTOR AND A CONTRA	2.01 0.0011859
110 44,000	4	·	9	L	Ļ	0						_						~-

# TABLE R1 Boeing SSFL Outfalls 012 through 014 (CA0001309, CI-6027)

	-	THE PROPERTY OF THE PROPERTY O	AQUATIC	AQUATIC LIFE CALCULATIONS	LATIONS		¥	AQUATIC LIFE CALCULATIONS	ALCULATION	S	***************************************		
				Freshwater				Fresh	Freshwater		PROPOS	PROPOSED LIMITS	
CTR# DATE	Units	ECA acute mutitiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA	LowestLTA	AMEL. multiplier (n=4)	MDEL multiplier AMEL aq.IIfe (n=4)		KDEL aqlife	MDEL agilfe Lowest AMEL	Lowest MDEL	Recommendation
82 2,4-Dinitrotoluene	nð,r			BERTHAND COMMAND AND AN ADDRESS			-				1		Interim Monitoring - No Limit
83 2.6-Dinitrotolugne	ng/L		EN VOICHERT IN AREA WORLAND IN DE		COLOR OF A CONTRACT AND A MARKET COLOR OF THE ACT OF A MARKET COLOR OF THE ACT OF THE AC	***************************************	OF THE OWN PERSON THE PROPERTY OF THE PERSON	A TEL PRODUCTION AND THE STATE OF THE STATE	A PARTY MAN A PARTY AND A VIOLENCE OF THE ANALYSIS OF THE ANAL	APPARENTA VA PRINCIPA I FERRITARIA I I I AAA.	A THE CONTRACT OF SECURE AS A SECURITARIA AS A SECURIT	And the state of t	No Criteria Available
84 Di-n-Octyl Phthalate	1,6rl				THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	A CONTRACTOR A SERVICE A CONTRACTOR A CONTRA	ALTERNATION OF A PRINCIPAL OF A PRIN	A 0.00 A		2000	***	mark manufathamannyananan agus	No Criteria Available
85 1,2-Diphenyfhydrazine	7,67	,									Ť	4	Interim Monitoring - No Limit
86 Fluoranthene	1.6i											1	Interim Monitoring - No Limit
87 Fluorene	V9/L										TANKS SELVEN AND THE PARTY OF T	Market Strong Community Annual Community Commu	Interim Monitoring - No Limit
88 Hexachlorobenzene	H9/L		HEADA NE PHENDRE POPUR EIGH A EIGHANN A HARANDON A' A AIR			A DESCRIPTION OF THE PROPERTY	THE PARTY OF THE P	A SALAMAN AND A		A THE WAY A CONTRACT OF THE PARTY OF THE PAR		TO THE PARTY OF TH	Interim Monitoring - No Limit
89 Hexachlorobutadiene	J/6r			- Common and a second							1	Aug Andreas Anna an An	Interim Monitoring - No Limit
90 Hexachlorocyclopentadiene	LOVE.		E-W-14-MERCHANA - AMERICA		ACCUPATION OF THE PARTY OF THE	A AMERICA I VIOLENZA DA PERIO PERANDA DA A	SALAP A FEEL ACT WAS A SALAPA AND ALL AREA FOR PHILA	A LALIE TO A PARRAMENTA OF AN INSTITUTE OF A SHARP	PARTITION A PRINT WILL LABOUR A PROGRAMM	A THE PROPERTY OF THE PROPERTY	A to be a second to the second	man.	Interim Monitoring - No Limit
91 Hexachloroethane	ng/L			TO COMPANY OF THE PARTY OF THE							,		Inferim Monitoring - No Limit
92 Indeno(1,2,3-cd)Pyrene	hg/L												Interim Monitoring - No Limit
93 Isophorone	7,64											;	Interim Monitoring - No Limit
94 Napthalene	ηđη											-	No Criteria Available
95 Nirobenzene	1764				A MA	POLICIONE IN THE CASE PROFITMENT AND A STATE AND A	PRI THA PAN A PRIMITINA NA MINISTRA NA NITHERA	A CO-min A Workship (A) And A Company (A) A Company (A) And A Comp			*	**	Interim Monitoring - No Limit
96 N-Altrosodimethylamine	100										THE THE PARTY OF T	AND FACILITATION AND STREET AND S	Interim Monttoring - No Limit
97 N-Nitrosodi-n-Propylamine	176/L										Į		Interim Monitoring - No Limit
98 N-Nirosodiphenyamine	ng <sub>4</sub>										er fer der fick er eine eine fer er e	A TANAN MARKAN M	Interim Monttoring - No Limit
99 Phenanthrene	Hg/L					AND THE RESERVE OF THE PERSON NAMED IN COLUMN 1					1	ŧ	Interim Mchitoring - No Limit
100 Pyrene	Pg/L		***************************************				A CONTRACTOR OF THE PARTY OF TH	United the Control of	ALLEMAN PROPERTY SECTION	A Common A Common Commission Comm	W =	AND THE PROPERTY AND THE PROPERTY PROPERTY OF THE PROPERTY OF	Interim Monitoring - No Limit
101 1,2,4-Trichlorobenzene	ng/L									PROPERTY WORKER AND RESERVED	DOWN		Interim Monitoring - No Limit
102 Aldrin	HG/L									001192111111111111111111111111111111111		and who who have the support of the	Interim Monitoring - No Limit
103 apha-8HC	Hor		**************************************						AND	POTENTIANON ASTRONOMY TERRORISMA NA NASIR	- And and the Andrews of Persons of the Andrews of	may wa manary in period when the service was a service when the service was a service	Interim Monitoring - No Limit
104 beta-BHC	µg/L										t	1	Interim Monitoring - No Limit
105 gamma-BHC (aka Lindane)	HOL	AAA A			A COLOR DE C	A LAC MINOR AL PRIMERY A LITTLE METHODOLA A MINISTER		A vamos 11 v v v v v v v v v v v v v v v v v v			***	Apple	Interim Monitoring - No Limit
106 delta-BHC	μg/L										44	**	Interim Monitoring - No Limit
107 Chlordane	T) Gri	***************************************									Man.	Annual An	interim Monitoring - No Limit
108 4,4"-DDT	1,64					A A A COLLEGE OF THE PARTY OF T			WAS TREED TO WISHING IT WAS ARREST AND THE	o destablishes missing some statements of the statement o	A-		Interim Monitoring - No Limit
109 4,4'-DDE	rg/L										Manual Company of the	1	Interim Monitoring - No Limit
110 4,4:DDD	ng -										1	1	Inferim Monitoring - No Limit

### Boeing SSFL Ouffalls 012 through 014 (CA0001309, CI-6027)

			1			CTR CRITERIA	ITERIA			***************************************		***************************************		***************************************			HUMAN	HUMAN HEALTH CALCULATIONS	ULATIONS
					H tlagar	Freshwater	Higgs Health	Health	Basin Plan		REASONA	REASONABLE POTENTIAL ANALYSIS (RPA)	NTIAL A	NALYSIS	(RPA)	t anni alek ek t ek ek		Organisms Only	ylıv
					3	Ď.	100		1 10000									1	
			<u> </u>			H	Not applicable C		THIS 22		MEC >=	Tier 1 - Need	<u></u>	,	Tier 3 - other info.	Tier 3 -	AMELN6 =	MDEL/ AMEL	
CTR#	DATE	Units	ઠ	¥EC	CMC tot			Caho		Lowest C	Lowest C		# 8>C				ECA = Chh	ECA = C th O multiplier	MDEL hh
111	111 Dieldrin	11 <b>0</b> /L	9.0		0.24	0.056	0.00014	0.00014		0.00014 No	No	Go to Tier 2	20	9	Q	9		-	**************************************
112	112 aipha-Endosulfan	104 1	0	0.6	0.22	0	110			0.056 No	No No	Go to Tier 2	ON N		Q	2	-	The state of the s	
113	113 beta-Endosulfan	PO/L	90	9	0.22	o	110			0.056 No	No.	Go to Tier 2	Š	ON ON	Q.	Ş			
114	114 Endosulfan Sulfate	ug/L	0	9.0	NONE	NONE	110			240 No	No	Go to Tier 2	o N	Š	Q.	Ş			
 6)	1.5 Endrin	201		, , , , , , , , , , , , , , , , , , ,	8000	950 0	0.78	80		0.036	- N	Go to	Ş	Ş	Ç	Ş			A A A A A A A A A A A A A A A A A A A
116	116 Fridin Aldehyda	, V	0	9 4	ii NCN	NONE				10000	Si di	Go to	2 2		2 9	2 2	The state of the s	and control of the state of the	A THE RESIDENCE OF THE PARTY OF
117	117 Heptachlor	ray.	0	80	0.50	0.0038	0.0	00		0.00021 No	ON CA	Go to	2 2		2 2	2 2		And the second of the second o	TO A THE THE PART OF A PAR
116	118 Heptachlor Epoxide	hg4	o	0.6	0.52		of the latest designation of the latest desi			0.00011 No	No	Go to Tier 2	2		Ş	9	ever aurant for aurant we remaind and	the many Avenue of the transport and the common and	
WALL TO A SAMMANA A SALVAN	Polychiorinated biphenyls (PCBs)	1,61									92								
119	9 Arodor 1016	ng/t	Ö	9.0	NONE	0.014	0.00017	0.00017		0.00017 No	£	Go to Tier 2	S	Š	Q	Š			
120	0 Arodior 1221	ug/f.	Ò	0.6	NONE	0.014	0.00017	0.00017		0,00017 No	No	Go to Tier 2	o Ž	Š	Q.	Q.			
121	1 Arodor 1232	194	0	0.6	NONE	0.014	0.00017	0.00017		0.00017 No	No.	Go to Tier 2	2	Q	Q.	9			
122	2 Arocior 1242	µg/L	. 0	9.0	NONE	0.014		0,00017		0.00017 No	No.	Go to Tier 2	2		ON ON	9			
123	3 Aroclor 1248	1/6/1	0	9.6	NON	0,014	0.00017	0.00017		0.00017 No	No.	Go to Tier 2	o Z	ON	ON	Q.			
124	4 Arocior 1254	7,61	<b>O</b>	0.6	NONE	0.014	0.00017			0.00017 No	S.	Go to Tier 2	ON ON		<u>S</u>	õ	0.00017	117 2.01	1 0.0003417
12	125 Aroclor 1260	16H	o	9.0	NONE	0.014	0.00017	0.00017		0.00017 No	No	Go to Tier 2	O.	Ş	õ	9			Account to the sample of the s
FOOTN	126 Toxaphene FOOTNGTE	ng L	<u> </u>		0.73	0.0002	0.0073	0.00075	0.00076	0.00075 No	No No	Go to Tier 2	9 2	Ž.	Q.	S.			
	These metals are hardness		ğ			8 8 8	\$		Cı .		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	20000		NAME OF THE PERSON OF THE PERS				75 × 000×000	-
	dependent. CTR criteria was calculated using an average		نسف شدنی ۱															,·	********
<u>.</u>	receiving water hardness of 100 mg/L.		<u>mine in innlan</u> -																

Boeing S\$FL Outfalls 012 through 014 (CA0001309, CI-6027)

	Water the state of		***************************************	AOSIATI	ADMATIC LIFE CALCIN ATIONS	ATIONS		Δ.	ACHATIC HEE CALCIN ATIONS	ALCIN ATION	97	***************************************			
	a Paral Paran Paral Paran Paral Para				The second secon	MITAMA IAAAA IAAAA	AND THE PERSON OF THE PERSON O				WINNEY TANKEN MATERIAL MATERIA				
			San	The state of the s	Freshwater				Fresh	Freshwater		PROPOS	PROPOSED LIMITS		
CTR#	DATE	\$ 5	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	LTA chronic Lowest LTA	AMEL multipiler (n=4)	MDEI multi AMEL aq.life (n=4)	Pije g	MDEL aqiffe	MDEL aqilfe   Lowest AMEL	Lowest MDEL	Recommendation	Ę
111	111 Dieldrin	J) Bd											1	Interim Monitoring - No Limit	g - No Limit
116	112 apha-Endosulfan	7,041		***************************************		·		of Eventual Annual Annu	0.000			***	ı	Interim Monitoring - Na Limit	g - No Limit
113	113 beta-Endosulfan	J/B/L	SERVICE CONTRACTOR CON									ł	t	Interim Monitoring - No Limit	g - No Limit
7	114 Endosulfan Sulfate	761											The state of the s	Interim Monitoring - No Limit	a - No Limit
				THE PARTY OF THE P		WHICH IS A VANCOR IN THE RESERVE OF			AND THE PROPERTY OF THE PROPER			TO THE PROPERTY OF THE PROPERT	The detailed of the control of the c	The principle of the community of the co	The state of the s
11	115 Endrin	ng/L				V EXCENSIVE PROCESSOR IN V ESTIMAT VALUE.						4	1	Interim Monitoring - No Limit	g - No Limit
11,	116 Endrin Aldehyde	Mg/L	VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	The state of the s								t	1	Interim Ménitoring - No Limit	g - No Limit
7	117 Heptachlor	hg/L										***		Interim Monitoring - No Limit	g - No Limit
116	118 Heptachlor Epoxide	Joh										WY1111101111111111111111111111111111111	Michael Control of Address and	Interim Monitoring - No Limit	g - No Limit
man A ramma A promise	Polychiorinated biphenyls (PCBs)	1000	***************************************	**************************************		A CALL THE A AND THE ACT OF THE A							ı	Interim Monitoring - No Limit	g - No Limit
119	9 Aroclor 1016	17,00,1			A A CHINAMINA POLITICAL A CALLANDA								1	Interim Monitoring - No Limit	g - No Limit
120	0 Aroclor 1221	ng/L	Memory of the special of the state of the st									Ē		Interim Monitoring - No Limit	g - No Limit
121	4 Aroclor 1232	PO/L	and the second section of the section of			OMORROW TO A DESIGNATION OF THE PARTY OF THE			WWW. Committee C			ement and military of the special of	****	Interim Montoring - No Limit	g - No Limit
122	2 Aroclor 1242	HQ/L							AND THE PROPERTY OF THE PROPER		-	-	1	Interim Monitoring - No Limit	g - No Limit
123	3 Aroclor 1248	ngy	Andread Assessment Assessment as property to a		and the same of th			***************************************				***	AND THE PERSON NAMED IN COLUMN TO TH	Interim Monitoring - No Limit	g - No Limit
124	4 Arocior 1254	7/07	PRINTEN AND DESCRIPTION AND ADDRESS OF THE PRINTEN AND ADDRESS OF THE PRINT		A CONTRACTOR OF THE PARTY OF TH	-						THE THE A THE DESIGNATION AND A STATE AND	die de la communicación de	Interim Monitoring - No Limit	g - No Limit
125	5 Aroclor 1260	HQ/L	and a second sec	TOTAL TO SERVICE AND SERVICE A								d a	i.	Interim Monitoring - No Limit	g - No Limit
F00.72	126 Toxaphene lugit Footphote:	Ing/L												- interim Monitoring - No Limit	g - No Limit
	These metals are hardness dependent. CTR criteria was calculated using an average														
<u>.</u>	receiving water hardness of 100 mg/L.														

Table A3

Reasonable Potential Analysis for Non-Priority Pollutants in Wastewater
The Boeing Company
(Santa Susana Field Laboratory)
Outfalls 012 through 014
(CA0001309, CI-6027)

				_									···			
<b>ТАІТИЭТОЧ ЭТВАИОЅАЭЯ</b>	a de la companya de l	Š	YES	*ON	YES	YES	9	YES	YES	YES	9	9	YES	YES	2	Starting of the No. to Machine Lathering of the Starting of th
DB - Beneficial use protection MC-Human noncarcinogen AC-Auman noncarcinogen AC-Aumatic life protection	A VALLED IN COLUMN 16 COLU	8	n B	BU	BU	B	BU	B	<b>=</b>	8		B	BG	BR	8	AND THE PROPERTY OF THE PROPERTY OF
Water Quality Objectives	CHAPTURE ALANDAR AND	820	0.1	9	15		30	100	2	10	20	S	12	0.05	80	+ - +
Projected Maximum Receiving Water Concentration	- Company of the Comp	332.90	0.16	3.75	32.45	5 15	13.14	19556.56	144.19	18.57	44.12	0.68	18.24	0.31	0.54	
Background Concentration	AND WESTERN WITH SAID A COMMISSION OF THE SAID ASSESSMENT OF THE SAI															Arrest of the Walter Standards of the St
Oilution Ratio	u==q vmnum u m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A MANUEL A LINE
Projected Maximum Effluent Concentration (99/99)	0000	332.90	0.16	3.75	32.45	5.15	13.14	19556.56	144.19	18.57	44.12	0.68	18.24	0.31	0.54	V V V V V V V V V V V V V V V V V V V
Multiplier		1.33	1.57	1.88	1.55	3.22	1.90	4.77	1.98	2.69	1.47	2.12	1.82	1.94	2.15	
CA	0	0.08	0.3	0.42	0.32	0.86	0.51	1.70	0.54	09.0	0.29	0.51	0.40	0.44	0.52	
Maximum Observed Effluent Concentration	O C C C C C C C C C C C C C C C C C C C	3	0.1	7	21.00	1.6	6.9	4100	73	6.9	30	0.32	0	0.16	0.25	
Number of Samples	90	97	18	18	24	18	26	26	26	13	26	48	18	18	18	constituent
ehinU	1/200	5	m/L	πg/L	mg/L	μg/L	mg/L	764	μg/L	mg/L	mg/L	Hg/L	Hg/L	119/L	ng/L	o include this
CONSTITUENT	Total Discolved Solide		Semeable Solids	Perchlorate	otal Suspended solids	1,4-Dioxane	BOD <sub>5</sub> 20°C	Total Petroleum Hydrocarbons	Naphthalene	Oil and Grease	urbidity	Methyl-tert-butyl-ether	tertiary-Butyl alcohol	Ethylene dibromide	Diisopropyl ether	*Best professional judgement used to include this constituent

#### **ATTACHMENT 4**

# TABLE R1 Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

					AVIVOLUTIEV/SCHERV VVARENTIS	CTRC	RCRITERIA										HUMAN	HUMAN HEALTH CALCULATIONS	LATIONS
					Fres	Freshwater	Human Health	tealth	Basin Plan		REASONABLE POTENTIAL ANALYSIS (RPA)	ILE POT	ENTIAL	NAL YSIS	(RPA)			Organisns Only	<del>Š</del>
*	DATE	<u> </u>	 5	Z EC	C acute =	C chronic #	Not applicable C bt W&O			owest C	MEC >=	Tier 1 - Need Ilmit?	, , , , , , , , , , , , , , , , , , ,	Tier 2 - Need Imit?	Tier 3 - other info.	Tier 3 - need time?	AMELhh = ECA = C th O		MDEL nh
1	Antimony	no/L	9.0	MAN ANA	NONE	NONE	4	4300	9	0	ATA	Go to Tier 2	_	õ	Q.	S.	4300	2.01	8627
C4	2 Arsenic	, A	9.0	4.8	340			NONE	92	50.0 No		Go to Tier 2	ş	õ	9	Ş	NON	201	A VIOLEN WARRANT MANAGEMENT
69	Berwin	na/L	90	VITAL AND	HNCN HNCN	HNCN	9	Narrative	4	4.0		Q	92	Š	9	9	Narrative	2.01	
4	4 Cadmium*	101	9.0	\$	4.6			Narrative		2.4 YES	YES	Yes	ş				Narrative	2.01	The state of the s
es	Chromium III	pg/L	6.6	650	1741			Narrative	90	50.0 YES		Yes	ŝ		A STATE OF THE PARTY OF THE PAR	10000	Narrative	2,01	TO COLUMN THE PROPERTY OF THE
٥	Chromium VI	j on	90	0.13				Narrative	TO THE PARTY OF TH	11.5 No		Go to Tier 2	ŝ	õ	9	2	Narrative	2.01	
9	6 Copper	766	9.0	32	13.5	4.6		1300 NONE	, , , , , , , , , , , , , , , , , , ,	9.4 YES	ËS	Yes	Š	A STATE OF THE STA			NONE	2.0	
7	7 Lead*	ng/L	90	THE THE WAY WE THEN	82.2	AND MAINTAIN AND THE STATE OF T	3.2 Narrative	Namative		3.2 NO	Q	<u>Q</u>	2	Q.	9	Q.	Narrative	2.0	
•	8 Mercury	ug/t	9.0	0,3	0.3 Reserved	Reserved	0.05	0.051	2	0.05	YES	Yes	Š				0.051	2.0	0.10
G.	9 Kickel	je je	9.0	830	7.7	\$2	610	4690	100	52.16 YES	ĘS	Yes	ş	Ş	Q.	õ	4600	2.01	9228
5	10 Selenium	761	0.6		Reserved	v	5 Narrative	Narrative	99	5.00 NO	Q	Go to Tier 2	£	2	S	õ	Narrative	2.01	
Ξ	11 Siver	HOA	9.0	With the second		4 none	ENON E	NONE		4.00	ON ON	Go to	2	2	9	9	NONE	2.01	
12	12 Thallum	nor	0.6	PT-VI-VIII-	NONE	NONE	1.7	6.3	2	2.00 NO	Q	Go to	2	2	Q.	9	-	6.3 2.01	13
13	13 Zinc*	119/1	9.0	185		121.7	поле	NONE		121.70 YES	Si	Go to Tier 2	2	Ş	ON ON	Ş	NONE		
4	14 Cyanide	no.(	9.0	VILLA WATER TANK	A CONTRACTOR OF THE CONTRACTOR	5.2	700	220,000	200	5.2.1	Q.	YES					220000	2.0	441362
7	Aspestos	Fibers/			NONE	NONE	7,000,	NONE		7x10m6 1	9 2	Go to Tier 2	2	8	9	Ş			an water
#	16 2,3,7,8-TCDD (Dioxin)	T/Bri	9,6	0.6 BE-07	NONE	NONE	0.000000013	1.4E-08	3x10^-5	1.4E-08 YES	res	Yes	ů.				0.0000000014	2.01	2.81E-08
1	17 Acrolein	rig/L	0.6		NONE	NONE	320	780		780 No	9	Go to Tier 2	Š	2	Q	S S	Andausta Valuera Avanse As Academa Andrea	and Alyandra Merchanics and company of the	THE PARTY OF THE P
**	18 Acrytonitrie	rou.	9.0		NONE	NONE	0.059	0.66		0.66 No	97	YES	2	2	8	9			
₩	19 Benzene	1/6/1	9.0		NONE	NONE	1.2	77	<u> </u>	<del>-</del>	S S	Go to Tier 2	2	2	9	Š			
×	20 Bromoform	y Bri	0.6		NONE	NONE	4.3	360		360 No	9	Go to Tier 2	2	9	2	2			
è	21 Carbon Tetrahloride	JØrl	0.6		NONE	NONE	0.25	4 4	009	4.4 No	0	Go to Tier 2	Ž	O O	9	9		- Annual Control	
ં	22 Chlorobenzene	110A	9.0		NONE	NONE	680	21,000		21,000 No	No.	Go to Tier 2	S.	8	9	Q.		A Anna Park A Anna Anna Anna Anna Anna Anna Anna A	
73	23 Dibromochloromethane	HQ4	0.6		NONE	NONE	0.401	8		\$	No	Go to Tier 2	£	ջ	9	9			1
Ŕ	24 Chloroethane	,	0.6		NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	Ą	8	Ş	Ş		age a year and a second a seco	destruction and destruction of continues of
Ċί	25 2-chloroethyl vinyl ether	ro/L	0.6		NONE	NONE	UNON.	NONE		NONE	No Criteria Available	Go to Tier 2	<u>ل</u> لا	9	S S	Ş			and the second s
	26 Chloroform	199/L	9.0		34 NONE	NONE	Reserved	Reserved		Reserved	No Criteria Available	Go to Tier 2	Ž Ž	કૃ	S	Š	A Secular and A A Secular A A A Secular Secula	Annual An	
	27 Dichlorobromomethane	no/L	0.6		4.7 NONE	NONE	0.56			46 No	ON.	Go to Tier 2	ž	2	2	9			

Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

	ļ	AND THE PARTY OF T	AQUATIC	: UFE CALCU	CATIONS	Westerna	¥	QUATIC LIFE	CALCULATI	ONS			
				Freshwater		***************************************		Frest	Iwater	OF THE OWNER OF THE OWNER, THE OW	PROPOS	ED LIMITS	
CTR# DATE	SE S	ECA acute multiplier (p.7)		ECA chronic multiplier	LTA chronic	Lowest LTA		AMEL ac.life	MDEL multiplier (n=4)	MDEL aglife		Lowest MDEL	Recommendation
1 Antimony	1,6/1	0.32		0.53	Transfer Address of the State o				, e.	·		-	Interim Monitoring - No CTR-
2 Arsenic	310/	0.32	<del>-</del>	0.53	79.1	78.4	*	A CONTRACTOR AND ADDRESS OF THE PARTY OF THE				***************************************	Interim Manitoring - No CTR
	<b>1</b>	Syrvin a the state of the state		3	D	P		and the state of t				***	Interim Manitoring - No CTR
3 Beryllium 4 Cadmium*	19.F	0.32		0.53	6	1.5	-				***		based Limit
Chromism III	3	C. C	4	0 63	* 440						PER		C. Charles and the state of the
Control of the Contro	3	70.0	***************************************	20.0	130.4	7311				AND THE RESIDENCE OF A PARTITION OF THE		***************************************	Interim Monitoring - No CTR
Chromium VI	hg/L	0.32	40	0.53	0.9	5.7						-	based Limit
6 CODISET*	HOL	0,32	4.3	0.53	4.8	4.3				13.	2		14 New Limit Based on CTR
7 Lead*	hg/t	0.32	26.4	0.53	1.7	1.5					- 2	1	Interim Monitoring - No CTF based Limit
8 Mercury	7/6d	0.32		0.53			1.6	***	ė				0.10 New Limit Based on CTR
9 Nickel"	7)6r	0,32	151.2	0.53	27.5								86 New Limit Based on CTR
Selenin	ğ	,		0	C		•						Interim Monitoring - No CTR
A CONTRACTOR OF THE PROPERTY O	h i	A	•	MATEUR VALUE AND STATE OF THE S	0.7	-		WATER VALUE OF THE STREET				+	Dased Limit Interim Montoring - No CTR
1 - Chica	Fig.	0.32		ATTACK TO ANALOG AT ANALOG MANAGEMENT							<b>4</b>	And the state of t	based Limit Interior Monitoring - No CTR.
12 Thallium	HB/L	0.32		0.53	The state of the s		1,6	3	3.	-	-	1	based Limit
13 Zinc*	Mg/L	0.32	39.4	0.53	64.2	39.4				-			123 New Limit Based on CTR
14 Cyanide	19/L	0.3	2		2.7	2.7				80	l vo	-	Interim Monitoring - No CTR.
15 Asbestos	Fibers/ L					Management (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990							Interim Monitoring - No CTR- based Limit
16 2,3,7,8-TCDD (Dioxin)	rg/L	0.32		0.53			7.6		3	-	1,40€-08		2.8E-08 New Limit Based on CTR
17 Acrolein	ng.r		THE PROPERTY OF THE PROPERTY O		A TO THE PARTY OF								Interim Mönitoring - No Limit
18 Acrylonitrile	HOL												Interim Monitoring - No Limit
19 Benzene	761						-				AALIAN Aa	A SAN PARAMETER AND PROPERTY AND PROPERTY OF THE PROPERTY OF T	Interim Monitoring - No Limit
20 Bromaform	104									The contract of the contract o		NAT LES BEURRANDA PPERAPANTA BERBERTAN AND B	Interim Monitoring - No Limit
21 Carbon Tetrahloride	ng/L						VINE NAME AND ADDRESS OF THE PARTY OF THE PA				FALLY ("The CPL VMINTANA VARANTANA ("CALABLE A") IN DECEMBER IN DE		Interim Monitoring - No Limit
22 Chlorobenzene	1991	And Andrews		THE STATE OF THE S							77777		Interim Monitoring - No Limit
23 Dibromochloromethane	ng/L				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	The state of the s							Interim Monitoring - No Limit
24 Chloroethane	no/L						o	·····					No Limit - No Criteria
25 2-chloroethyl vinyl ether	Jon Tron				And the second of the second o			A MARTINA DE L'ANTINA DE L	Management Management and Company of Company		AA AAARAAA CAAAA AA	NA NA CANANA MANANA WATER LA ANDREA	No Limit - No Criteria Available
26 Chloroform	7/611	per 1000 or 100			And the second s						***************************************	AND	No Limit - No Criteria Available
27 Dichlorobromomethane	110/L					PURENT TOWN BURNOWS TO THE PROPERTY OF THE PRO			AAAA AAAA aadaa Aaaa aaaa aaaa aaaa aaa	A TOTAL CONTRACTOR OF THE STREET, STATE OF THE STATE		and demonstrated Authorities A	Interim Monitoring - No Limit
	DATE  1 Antimony 2 Arsenic 2 Arsenic Chromium 3 Berylium 4 Cadmium Chromium VI Chromium VI Chromium VI 1 Chromium VI 1 Salver 12 Thailium 13 Zinc 14 Cyanide 15 Asbastos 16 2.3.7.8-TCDD (Dioxin) 17 Acrolein 18 Acrylonitrile 19 Benzane 20 Bromorbioromethane 21 Carbon Tetrahloride 22 Chlorobenzene 23 Chlorobenzene 24 Chlorocuthane 25 2-chlorocuthane 26 Chlorocuthane 27 Chlorocuthane 28 Chlorocuthane 29 Chlorocuthane 21 Chlorocuthane 22 Chlorocuthane 23 Chlorocuthane 24 Chlorocuthane 25 Chlorocuthane 26 Chlorocuthane 27 Chlorocuthane 28 Chlorocuthane 28 Chlorocuthane 29 Chlorocuthane 20 Chlorocuthane 20 Chlorocuthane 21 Chlorocuthane	DATE  1 Antimony 2 Arsenic 3 Beryllium 4 Cadmium* Chromium VI 6 Copper* 7 Lead* 9 Mercury 9 Nickel* 12 Thellium 13 Zinc* 14 Cyanide 15 Asbastos 16 2,3,7,8-TCDD (Dioxin) 7 Acrolein 18 Acrylonitrile 19 Benzene 20 Bromoform 21 Carbon Tetrahloride 22 Chlorobenzene 23 Chlorobenzene 24 Chlorobethane 25 2-chloroethyf vinyl ether 25 Chlorophomomethane 27 Chlorophomomethane 28 Chlorophomomethane 29 Chlorophomomethane	Antimony   Light   EcA acut multiplier     Antimony   Light   DoT     Antimony   Light   Do     Arsenic   Light   Do     Chromium VI   Light   Light   Do     Chromium VI   Light   Lig	Antimony   LTA     Antimony   LQL   0.32     Arisence   LQL   0.32     Action of the control o	Community   Comm	Community   Comm	Activities   Part   P	DATE   Controller   Controlle	DATE   Controller   Controlle	DATE   Controller   Controlle	Average   Aver	Continue	Accorate

### Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

			***************************************											-	***************************************			
					WAS CLOSED IN SERVING ALCOHORS IN AND SERVING	CTR CR	IR CRITERIA				REASONABI E POTENTIAL ANALYSIS (RPA)	R. F. POT	A IAITN	NAI YSIS	(RPA)		HUMAN	HUMAN HEALTH CALCULATIONS
		~-~-J			Freshwater	water	Human Health	tealth	Basin Plan						6			Organisns Only
## 13	DATE	Units	- خ	SEC.	C acute #	C chronic = c	Not applicable C hh W&O	C HO	Title 22 GWR	LowestC	MEC >= Lowest C	Tier 1 - Need Ilmit?	_ <del></del> ∴ 8	Tier 2 - Need Ilmit?	Tier 3 - other info. ?	Tier 3 - need Ilmit?	AMELHH = ECA = C hh O	
88	28 1,1-Dichloroethane	T)6/1	0.6				NONE		c.	ψ,	5.No	Go to Tier 2	_		Q.	<sub>S</sub>		
32	29 1,2-dichloroethane		9.0				0.38	66	0,5	0.5	No	Go to Tier 2	ş	9	Q.	<u>Q</u>		
8	30 1,1-Dichloroethylene	Pg/L	9.0			NONE	0.057	3.2	ဖ	N.	No	Go to Tier 2	8		9	Q	The state of the s	
31	31 1.2-dichlooropropane	Hg/L	0.6		- W	NONE	0.52	98	2	9	o Z	Go to Tier 2	Š		NO	9		
32	32 1,3-dichloropropytene	µg/l.	0.0			NONE	10	1,700	0.5	0.5 %	No	Go to Tier 2	% S		ON ON	Q.	Andread Harman State Control of the State Control o	
ec.	33 Ethylbenzene	HQ/L	0.6			NONE	3100	29,000	7.0	0.7 No	Z <sub>O</sub>	Go to Tier 2	2	9	9	õ		
ě	34 Methy bromide	ng/L	0.6		Annual A A A Parity	NONE	48	4,000		4,000 No	02	Go to Tier 2	2	9	9	2		And when makes and a stream from a change of a stream which a change of the makes of the change of t
8	35 Methyl chloride	µg/L						Narrative		Namative	No Criteria Available	Go to Tier 2	S So	9	Š	Q.		
ž	36 Methylene chloride	μαγ	9.0				7.4	1,600		1,600 No	No No	Go to Tier 2	Š		S	9		
m	37 1.1.2.2-tetrachiroethne	ð	90			NONE	0,17	****		_	1 No	Go to Tier 2	ş	õ	2	Ş		
ĕ	38 Tetrachloroethylene	ug/L	9.0			NONE	0.8	8.85	·s	S.	5 No	Go to Tier 2	2	9	Q	Š		
<i>7</i> 5	39 Toluene	hg/l	9.0			NONE	9890	200,000	150	150	150 No	Go to Tier 2	Ş	Q	0	Ş		
*	40 Trans 1,2-Dichloroethylene	₽9/L	0.6			NOME	700	140,000	10	10	10 No	Go to Tier 2	2	2	2	9		
4	41 1,1,1-Trichloroethane	η <b>ά</b> η.	9.0				Narrative	Narrative	200	200	200 NO	Go to Tier 2	ĝ	Q	Q	S		
4	42 1,1,2-trichloroethane	HQ/L	0.6		NONE	NONE	9.0	42	5		No	Go to Tier 2	2	ON ON	0	Q		
4	43 Trichloroethylene	136/L	9.0	2	NONE	NONE	2.7	81	S	2	5 No	Go to Tier 2	S	2	2	9		
4	44 Vinyi chloride	no.	0.6		NONE	NONE	2	525	0.5	0.5	0.5 No	Go to Tier 2	Š	9	S S	Q Q		
4	45 2-chlorophenol	101	9.6		NONE	NONE	120	400		400	400 No	Go to Tier 2	ş	9	9	2		
4	46 2,4-dihiorophenol	MB/L	0.6		NONE	NONE	93	790		790	790 No	Go to Tier 2	8	ð	2	Q Q		
4	47 2,4-dimethylphenol	HQ/L	0.6		NONE	NONE	540	2,300	A CHARLES AND A CALL AND A CALL	2,300 No	N <sub>O</sub>	So to Tier 2	ŝ	Ş	2	8	A COLUMN TO THE PARTY OF THE PA	ал VV Аже дет 18 мд-дет VV совет в пределения в пересента в повет в Алексаний в повет в Алексаний в Обет в Обе
4	4,5-dinitro-o-resol 48 (aka2-methyl-4,6-Dinitrophenol)	) µg/L	9.0		NONE	NONE	13.4	765		765	765 No	Go to	S S	9	9	Ş	A contraction of the contraction	
*	49 2,4-dinitrophenol	61	9.0		NONE	NONE	70	14,000		14,000 No	Ņ.	Go to Tier 2	Š	2	9	9		
മ	50 2-nitrophenol	7)Srl	90		NONE			NONE		None	No Criteria Available	Go to Tier 2	Ş	S	Q.	9		
ιΩ	51 4-nitrophenol	ng∕L	90	-	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	8	Q.	Q.	Q.		
10	3-Methyl-4-Chlorophenol 52 (aka P-chloro-m-resol)	ng/	9.0	, , , , , , , , , , , , , , , , , , ,	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	Š	2	9	Q		
\$	53 Pentachlorophenol	H9/L	0.6		ар На серепает рн дес	epuedep Hd	0.28	8.2	+	-	No No	Go to Tier 2	S	2	S	9		
NO.	54 Phenol	T NOW	0.6	TOTAL A WARRANT AND A STATE OF	NONE	NONE	21,000	4,600,000		4.6x10^6	S	So to Tier 2	Š	Š	Q.	Q.	- Armanas Arma	THE EXPLANATION OF THE PROPERTY OF THE PROPERT
\$	55 2,4,6-trihlorophenol	ng/L	0.6		NONE	NONE	2.1	6.5		6.5	6.5 No	Go to Tier 2	£	9	Q.	Q Q		

Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

			AQUATIC	TIC LIFE CALCULATIONS	ATIONS		A	AQUATIC LIFE CALCULATIONS	ALCULATIO	NS	***************************************	and the statement of th	
				Freshwater				Fresh	reshwater		PROPOS	PROPOSED LIMITS	
CTR# DATE	SES	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA	Lowest LTA	AMEL multiplier (n=4)	MDEL multiplier AMEL aq.life (n=4)	MDEL multiplier (n=4)	MDEL adiffe	MDEL adiffe   Lowest AMEL	Lowest MDEL	Recommendation
28 1.1-Dichioroethane	no4										TO A COUNTY OF THE PARTY OF THE	And contract of the characters of the characters of the contract of the contra	Interior Manipulation of the State of the St
29 1.2-dichloroethane	×											V-V-000-00-00-00-00-00-00-00-00-00-00-00	Interim Monitoring - No Limit
30 1.1-Dichloroethylene	no.										PROVINCE AND	And remained to the control of the c	Interim Monitoring - No Limit
31 1.2-dichlooropropane	1704			V V V V V V V V V V V V V V V V V V V		Annual Value and	PATERVANIA A JANUARY PARENTA A AAN DE	official a Valencial of adolesis of Addison Bush about				VA 1997/7 Admid A A Addinia A C C C C C C C C C C C C C C C C C C	Interim Monitoring - No Limit
32 1.3-dichloropropylene	пд√Г							-			PRO- And delicated and an analysis and an anal	Community for the contraction of	Interim Monitoring - No Limit
33 Ethylbenzene	hg/L											AND	Interim Monitoring - No Limit
34 Methyl bromide	hg/L											W.PRINGS. TV. during \$110 dates \$100 dates \$110 dates \$100 dates	Interim Monitoring - No Limit
35 Methyl chloride	μg/L												No Limit - No Criteria Available
36 Methylene chloride	UQ/L				Comment of the Annies of the Comment					The state of the s			Interim Monitoring - No Limit
37 1,1,2,2-tetrachiroethne	101												Interim Monitoring - No Limit
38 Tetrachloroethylene	µg/L					1000		TO THE REAL PROPERTY OF THE PERTY OF THE PER	A ABERTAL A LA CASTAL AND A CAS	der oon, Puter untrover and and a second a secon	AND AND THE THIRD AND THE		Interim Monitoring - No CTR- based Limit
39 Toluene	P. Co.	With the Atlanta Machine Commission of	The state of the s										Interim Monitoring - No Limit
40 Trans 1.2-Dichloroethylene	vg/L									and the second of the second o	THE PROPERTY OF THE PROPERTY O		Interim Monitoring - No Limit
41 1,1.1-Trichloroethane	17B/L											****	Interim Monitoring - No Limit
42 1,1,2-trichloroethane	ng/L											7 Aug 20	Interim Monitoring - No Limit
43 Trichloroethylene	μα⁄L												Interim Monitoring - No Limit
44 Vinyi chloride	Mark		THE PROPERTY OF THE PROPERTY O		THE RESERVE OF THE PROPERTY AND A PROPERTY OF THE PROPERTY OF	and a design of the second of	201000000000000000000000000000000000000	0.000					Interim Monitoring - No Limit
45 2-chlorophenol	M			The state of the s						TO PO POPULATION A MARKATANA	WALKALIN TO THE THE TAXABLE TO THE T	and the second s	Interim Monitoring - No Limit
46 2,4-dihlorophenol	hΒΛ									880 A 17 St 187 A 180 St 19 St	TOTAL PROCESSION AND THE PROPERTY OF THE PROPE	TO COLUMN TO THE PROPERTY OF T	Interim Monitoring - No Limit
47 2.4-dimethylphenol	HQ4.	THE PROPERTY OF THE PROPERTY O	Affiliable Arabicular Arabicular and an annual an annual and an annual an annual and an annual an annual and an annual an an	The state of the s					A	TANY WARMER AMERICA A SALES AND A SALES AND ASSAULT	THE HILLSON PARTALLIANS TO LAND TO LAN	TO COMMENDATION OF MANAGEMENT OF STREET	Interim Monitoring - No Limit
48 (aka2-methyl-4,6-Dinitrophenol)	ηđγ									***************************************	water and	A A A A A A A A A A A A A A A A A A A	Interim Monitoring - No Limit
49 2,4-dinitrophenol	MO.			A CARLON WARRANT A LABOR.						THE A A A STATE OF THE STATE OF	AND AND BUT THE STATE OF THE STATE AND STATE AND STATE OF THE STATE AND STATE OF THE STATE OF TH	er ekolut Arka islankuurismiksi ikkolui ere A. kok ikk ikk	Interim Monitoring - No Limit
50 2-nitrophenol	may		V SACRATA SE PARTIES AND			MAX COMPANIES COMPANIES CONTRACTOR SANCTION	PAT / PERSONNA I INVESTMENT FOR ESSENCE ASSESSED.						No Critetia Available
51 4-nitrophenol	HQ/L	***************************************	THE REPORT OF THE PARTY OF THE								tun 1990 A A A State of Control and A A A A A A A A A A A A A A A A A A A	ALBERTA CITTE OF A BROAD AND BUTTON OF A	No Criteria Available
5-Methy-4-Unorophenol 52 (aka P-chloro-m-resol)	ng/L	and de the contract of the con									SEPPENDE AND ADDRESS AND ADDRE	NAME AND PARTY OF THE PARTY OF	No Criteda Available
53 Pertrachiorophenol	Mg/L	germen even men ger ger ver statet men de en men de en		PARTY TO THE PROPERTY OF PARTY OF THE PARTY						THE PARTY OF THE P		4	Interim Monitaring - No Limit
54 Phenol	100r	apreliment management of the common of the designation of the common of		THE PROPERTY PROPERTY IN SECUNDARY AND ADDRESS OF					AAA DAARAAN AA WAAAAA AA	PERSON IN CREMENTA AND CHANGE AND AND CHANGE OF THE COMMENT	And the state of a state of a market to the state of the	THE STREET STREET, STR	Interim Monitoring - No Limit
55 2,4,6-trihlorophenol	UG/L												Interim Monitoring - No Limit
4/10		· · · · · · · · · · · · · · · · · · ·											

Boeing SSFt, Outfalls 015 through 017 (CA0001309, CI-6027)

Colorest				تسب		ARRA LA CHIRACA ANCHES AN A ASSESSA	CTRC	R CRITERIA	eal meassar or sessor wossessar									HUMAN	HUMAN HEALTH CALCULATIONS	LATIONS
Comparison			error ad abarrers.	مستحد		Free	hwater	Himan	dealth.	Basin Plan		REASONA	BLE POTE	NTIALA	NALYSIS	(RPA)			Organisas Oalv	Ž
Control   Cont				المراز الرائد والمرازد والمرازد				Not					Tier 1 -		ier 2 -	Tier 3 -	Tier 3 -			
Automobilitiene gill, 0.6 NONE NONE NONE NONE NONE Automobilitiene gill, 0.6 NONE NONE NONE 0.0014 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.	- 1	DATE	Units	- 4	MEC	CMC tot	CCC tot	applicable C		2		MEC >= Lowest C	Need IImit?		mit?	other info. ?	need Iimit?	AMELAN *	MUEU AMEL multiplier	MDEL NA
Accompliations         1971         0.6         NOME         NOME         NOME         NOME         NOME         NOME         0.0015         NOME         NOME         0.0016         NOME         NOME         0.0016         NOME         NOME         0.0016         NOME         NOME <t< td=""><td>(0)</td><td>Acenaphthene</td><td>ηθγ</td><td>ă</td><td></td><td>NON</td><td>NONE</td><td>1200</td><td>2,700</td><td></td><td>2,700</td><td>o Z</td><td>Go to Tier 2</td><td>2</td><td>9</td><td>0</td><td>9</td><td></td><td></td><td></td></t<>	(0)	Acenaphthene	ηθγ	ă		NON	NONE	1200	2,700		2,700	o Z	Go to Tier 2	2	9	0	9			
Parcolaboration   1971   C o C   NONE   NONE   NONE   C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>~</b> .	Acenaphthylene	HOVE	0		NONE	NONE		NONE			No Criteria Available	Go to Tier 2	ž	. 9	9	9		and the second s	
Part   Color   NONE   NONE   Color   Color   Color   NONE   NONE   Color   Color   NONE   Color   Color   NONE   Color   Color   Color   NONE   Color   Colo	m	Anthracene	NO/L	0		NONE	NONE	0096	110.000		000	CZ	Go to Tier 2	£	9	QN ON	ON	A SA CALLANT AND	AN THE ANA WASHINGS AN THE WAY AN AN AND THE BOOK	
Page	- 45	Benzidine	na/L	0	10	ENCN.	NON	0.00012	0.00054		0.00054	Ç	Go to	Ž	CN	Ç	Ç		**************************************	
Page		Senzo(a) Anthracene	100	č	60	HNCN	FINCIN	0.0044	0.049		0.049	, Co	Go fo	S S	Ç	ON CR	2			entransa de la composição de la composiç
Page 1   Page 1   Page 2   Page 3   P		Benzo(a)Pyrene	mg/L	0	6	NONE	NONE	0.0044	0.048	A THE RESERVE THE PARTY OF THE	0.049	92	Go to	2	9	9	9		to marries or a state of the distribution of the state of	THE TAX AN INCIDENT AN
1991   0.6   NONE   N		Benzo(b)Fluoranthene	Por	0	10	NONE	NONE	0.0044	0.049		0.049	2	Go to Tier 2	£	2	2	Q.			
1991.         0.6         NONE         NONE         0.049         NONE         0.049         NO		Benzo(ghi)Perylene	1,61	0	ıΩ	NONE	NÓNE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	2	9	Ş	9			
1911         0.6         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         Total 200         NO         <		Benzo(k)Fluoranthene	NO.	ō	ധ	NONE	NONE	0.0044	0.049		0.049	No	Go to Tier 2	Ş	2	Q	Q 2			
1991.         0.6         NONE         NONE         0.031         1.4         1.4         NO         GO ID (0.00)         NO		Bis(2-Chloroethoxy) methane	NO.	ō	g.	NONE	NONE	NONE	NON		NONE	No Criteria Available	Go to Tier 2	ON ON	Ş	Q.	9			
Hart   0.6   NONE   NONE   1400   170,000   No		Bis(2-Chloroethyl)Ether	иgл	ō	G	NONE	NONE	0.031	4.1		1.4	No	Go to Tier 2	οN	9	ON N	Q Q			
ug/L         0.6         NONE         NONE         NONE         A MONE		Bis(2-Chloroisopropyl) Ether	101	o		NOME	NON	1400	170,000		170,000	No	Go to Tier 2	S.	2	9	Š			
µg/L         0.6         NONE		Bis(2-Ethylhexyl) Phthalate	ng/L	Ö		NONE	NON	1.8	5.9	4	4	SN CN	YES							
µg/L         0.6         NONE         NONE         1700         4,300         5,200         NONE         Go to		4-Bromophenyi Phenyi Ether	76n	o		NONE	NONE	NONE	NONE			No Criteria Available	Go to Tier 2	S S	2	2	9			
µg/L         0.6         NONE         NONE         1700         4,300         NO         Go to Test         NO         NO         NO           µg/L         0.6         NONE         NONE         0.044         0.049         0.049         NO         NO         NO         NO           µg/L         0.6         NONE         NONE         0.044         0.049         0.049         NO         Tier 2         NO         NO         NO           µg/L         0.6         NONE         NONE         2700         17,000         600         NO         NO         NO         NO           µg/L         0.6         NONE         NONE         2,600         600         NO         Tier 2         NO         NO         NO           µg/L         0.6         NONE         0.04         0.049         0.049         NO         1767.2         NO         NO         NO           µg/L         0.6         NONE         0.04         0.049         0.049         NO         1767.2         NO         NO         NO           µg/L         0.6         NONE         0.04         0.049         0.049         NO         1767.2         NO         NO		Butylbenzyl Phthalate	ng,	Ö		NONE	NONE	3000	5,200		5,200	Νο	Go to Tier 2	8	2	9	Q.	The state of the s	NATIONAL PROPERTY OF THE PROPE	
1997.         0.6         NONE         NONE <th< td=""><td></td><td>2-Chloronaphthalene</td><td>ng/k</td><td>Ö</td><td>မ</td><td>NONE</td><td>NONE</td><td>1700</td><td>4,300</td><td></td><td>4,300</td><td>92</td><td>Go to Tier 2</td><td>Š</td><td>S S</td><td>ON ON</td><td>Q Q</td><td></td><td></td><td></td></th<>		2-Chloronaphthalene	ng/k	Ö	မ	NONE	NONE	1700	4,300		4,300	92	Go to Tier 2	Š	S S	ON ON	Q Q			
Light         0.6         NONE         NONE         0.0044         0.049         NO.049		4-Chlorophenyl Phenyl Ether	10n	Ö	9	Š Š	NONE		NONE			No Criteria Available	Go to Tier 2	2	S	S S	9			
Light         0.6         NONE         NONE         0.044         0.049         NO         Go to Go to MO         NO MO         NO MO		Chrysene	70d	0	φ	NONE	NONE	0.0044	0.049		0.049	No.	Go to Ter 2	S.	8	9	2			
µg/L         0.6         NONE         NONE         2700         47,080         600         NO         Go to Control Go to         NO         NO         NO           µg/L         0.6         NONE         400         2,600         5         5,600         NO         17er 2         NO         NO         NO           µg/L         0.6         NONE         NONE         400         2,600         5         5,600         NO         17er 2         NO         NO <t< td=""><td></td><td>Dibenzo(a,h)Anthracene</td><td>ng/</td><td>O.</td><td>œ.</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td></td><td>0.049</td><td>8</td><td>Go to Tier 2</td><td>ç</td><td>9</td><td>8</td><td>Š.</td><td></td><td></td><td></td></t<>		Dibenzo(a,h)Anthracene	ng/	O.	œ.	NONE	NONE	0.0044	0.049		0.049	8	Go to Tier 2	ç	9	8	Š.			
Light         0.6         NONE         NONE         400         2,600         6         5,600         No         Ther 2 ho         No         NO         NO         NO           Light         0.6         NONE         NONE         400         2,600         5         5 ho         Ther 2 ho         No         NO         NO           Light         0.6         NONE         NONE         2,600,000         120,000         No         Ther 2 ho         NO         NO         NO           Light         0.6         NONE         NONE         313000         2,900,000         2,6410/6         No         Ther 2 ho         NO         NO         NO         NO           Light         0.6         NONE         NONE         2,900,000         2,6410/6         No         Ther 2 ho         NO         NO <td< td=""><td></td><td>1,2-Dichlorobenzene</td><td>Jon Jon</td><td>0</td><td>e e</td><td>NONE</td><td>NONE</td><td>2700</td><td>17,000</td><td>600</td><td>900</td><td>9</td><td>Go to Tier 2</td><td>Š</td><td>S</td><td>Q</td><td>9</td><td></td><td></td><td></td></td<>		1,2-Dichlorobenzene	Jon Jon	0	e e	NONE	NONE	2700	17,000	600	900	9	Go to Tier 2	Š	S	Q	9			
µg/L         0.6         NONE         NONE         400         2,600         5         6         60 to 70         NO		1,3-Dichlorobenzene	ng/L	0	· · ·	NONE	NONE	400	2,600		2,600	NO	Go to Tier 2	Š	9	9	9			
µg/L         0.6         NONE         NONE         0.04         0.077         NO         Go to Go to Go to Hg/L         Go to Go to Go to Go to Hg/L         Go to Go to Go to Go to Hg/L         NONE         23000 2,900,000         120,000 2,900,000         120,000 2,900,000         NO         NO         NO         NO           µg/L         0.6         5.8         NONE         313000         2,900,000         2,8610%         NO         Tier 2         NO         NO         NO           µg/L         0.6         5.8         NONE         0.71         9.1         9.1         NO         Tier 2         NO         NO         NO           µg/L         0.6         5.8         NONE         0.71         9.1         9.1         NO         Tier 2         NO         NO         NO           µg/L         0.6         NONE         NON		1,4-Dichlorobenzene	ngl	Ö	9	S M	NONE	400	2,600	S.	5	No No	Go to Tier 2	ş	2	9	Ş	A A	Transmiss of the substitute of	
Leg.L.         0.6         InONE         NONE         23000         120,000         No         Tier 2         No         NO         NO           Leg.L.         0.6         NONE         NONE         313000         2,900,000         2,8x10x6         No         Tier 2         No		3,3'-Dichlorobenzidine	ng/L	0	9	NONE	NONE	0.04	0.077		0.077	9	Go to Tier 2	Ž	2	õ	9			
Hg/L   0.6   NONE   NONE   313000   2,800,000   2,9x10x6   No   Tier 2   No   NO   NO   NO   NO   NO   NO   NO		Dethy Phthalate	ngv	Ö	9	NONE	NONE	23000	120,000		120,000	No	Go to Tier 2	No	Ş	Ş	Ş		de primer and a state community where minimizes a test in minimizes of an indicate and a state of a state of a	
Hg/L   0.6   S.8 NONE   NONE   2700   12,000   No   Tier 2   No   NO   NO   NO   NO   NO   NO   NO		Dimethyl Phthalate	ug/L	o	9	NON	NONE	313000	2,900,000		2.9x10^6	No	Go to Tier 2	Š	9	2	S		Accommendation of the second control of the second second section of the second	~
µg/L         0.6         NONE         NONE         0.11         9.1         NO         Go lb         NO		Di-n-Butyl Phthalate	ng/	o		NONE	NONE	2700	12,000		12,000	No O	Go to Tier 2	<u>8</u>	Š	Š	9			
Lig/L         0.6         NONE         NONE <th< td=""><td></td><td>2,4-Dinitrotoluene</td><td>7,61</td><td>0</td><td></td><td>NONE</td><td>NONE</td><td>0.11</td><td>9.1</td><td>***************************************</td><td>9.1</td><td>No No</td><td>Go to Tier 2</td><td>ž</td><td>S S</td><td>9</td><td>9</td><td></td><td>*</td><td></td></th<>		2,4-Dinitrotoluene	7,61	0		NONE	NONE	0.11	9.1	***************************************	9.1	No No	Go to Tier 2	ž	S S	9	9		*	
work 0.6 NONE NONE NONE NONE NONE Available Tier2 No NO NO		3.2,6-Dinitrotoluene	µg/f.	0	9	NONE	NONE	NONE	NONE			No Criteria Available	Go to Tier 2	Š	õ	. 2	Ş		And all the control of the control o	
		1 Di-n-Octyl Phthalate	ď	o	9	NONE	NON	NONE	NONE		NO.	No Criteria Available	Go to Tier 2	2	2	Q Z	2			

### Boeing SSFL Ouffalls 015 through 017 (CA0001309, CI-8027)

				AQUATI	AQUATIC LIFE CALCULATIONS	LATIONS		A	AQUATIC LIFE CALCULATIONS	ALCULATIO	NS			
	met halo sic e e e e e				Freshwater	Verter Post Vermo Verte de Alla Lemana A. Le	The state of the s	A Versile of Herman of France Versilands	Fresh	Freshwater	A ANNOUNCE FOR THE ANNUAL PROPERTY OF THE ANN	PROPOS	PROPOSED LIMITS	
CIR	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA		AMEL. multiplier (n=4)	MDE! multi AMEL aq.life (n=4)	MDEL multiplier (n=4)	MDEL aqiffe	MDEL aqiife Lowest AMEL	Lowest MDEL	Recommendation
56	56 Acenaphthene	1/6/1							A CONTRACTOR OF		Comment of the Commen	EPANESSANT SECTIONALE STANCES CONTINUES AND SECTION SE	AND THE PERSON OF THE PERSON O	Interim Monitoring - No Limit
57	57 Acenaphthylene	ng/L	***************************************			The second secon	to devide marks to the Ad-Tests Adv As-Tests Adv As-Tests Adv		AND DESCRIPTION AND ADDRESS OF THE PROPERTY OF	historia a secundo a se sustino de la constituir de la co		AAA AAA AAA AAA AAAA AAAA AAAA AAAA AAAA	STATA A SUM TA VARIA PA ALPARA A VARIARA VARIA	No Criteria Available
58	58 Anthracene	7,6rl		THE VALUE OF THE PROPERTY AND ADDRESS OF THE PROPERTY OF THE P										Interim Monitoring - No Limif
59	59 Benzidine	ug/L		WALKE THE PARTY OF										Interim Monitoring - Na Limit
8	60 Benzo(a)Anthracene	ng/L												Interim Monitaring - No Limit
61	61 Benzo(a)Pyrene	ug/L			A THE STATE OF THE						000000000000000000000000000000000000000			Interim Monitoring - No Limit
62	62 Benzo(b)Fluoranthene	ng/L												interim Monitoring - No Limit
8	63 Benzo(ghi)Perylene	1,6in		NATIONAL PARTY OF THE PARTY OF										No Criteria Available
64	64 Benzo(k)Fluoranthene	76FI												Interim Monitoring - No Limit
ðš	65 Bis(2-Chloroethoxy) methane	ď												No Criteria Available
99	66 Bis(2-Chloroethyl)Ether	y on												Interim Monitoring - No Limit
29	67 Bis(2-Chloroisopropyl) Ether	ng/L												Interim Manitoring - No Limit
69	68 Bis(2-Ethythexyl) Phthalate	1,611					And the second s		AND ADDRESSOR TO A PROPERTY AND ADDRESS AN				Anna Control Anna Carriago (Anna Car	Interim Monitoring - No CTR- based Limit
69	69 4-Bromophenyl Phenyl Ether	ng/L												No Criteria Available
70	70 Burylbenzyl Phthalate	no.r						4.000 00 00 00 00 00 00 00 00 00 00 00 00	A CHREST A CHARLES WHEN THE CHARLES AND THE CHARLES	***************************************	1011 0101 W FFFFFFF F F F F F F F F F F F F F F	A TAXABORAN AND THE SALES OF TH	Production and contamination with many property on Vision	Interim Montoring - No Limit
r	71 2-Chloronaphthalene	μ <u>φ</u> /L							***************************************			77.170.00.00.00.00.00.00.00.00.00.00.00.00.0	The second secon	Interim Monitoring - No Limit
72	72 4-Chlorophenyl Phenyl Ether	Pg/L		****	THE THE THE PERSON OF THE PERS			A COLOR DA AN EMPRO VICE CONTRA ANA EMPRO	A DA MICHAEL MAN CONTRACTOR OF THE PARTY OF			A A A manual for the manual ma		No Criteria Avaitable
73	73 Chrysene	hgv.										A MANAGEMENT AND A MANA		Interim Monitoring - No Limit
7.4	74 Dibenzo(a.h)Anthracene	hgv.			erroper et anticologie d'anticologie de contraction	***************************************						And the state of t	Manage A colonial of city city and A A A A A A A A A A A A A A A A A A A	Interim Manitoring - No Limit
7.5	75 1,2-Dichlorobenzene	HQ/L					Fire the economic of A branches of case serving							Interim Monitoring - No Limit
7.6	76 1,3-Dichlorobenzene	ng/L											and the second s	Interim Monitoring - No Limit
77	77 1,4-Dichlorobenzene	ng/L	A COLUMN TO THE PERSON NAMED IN COLU		THE STATE OF THE STREET PARTY TO THE STATE OF THE STATE O		A AMERICAN PROPERTY AND A SECOND PROPERTY AN		**************************************		- LECTURE AND AND AND ANY PARTIES AND ANY AND	TAN SAMANAAA AA A	A THE RESERVE TO THE PARTY OF T	Interim Monitoring - No Limit
7.8	78 3,3'-Dichlorobenzidine	пдуг												interim Monitoring - No Limit
7.6	79 Diethyl Phthalate	ng/L	- CONTRACTOR DE											Interim Monitoring - No Limit
36	80 Dimethyl Phthalate	178/		THE RESIDENCE AND ASSESSED AND ASSESSED ASSESSED.				AT THE REPORT OF THE PERSON OF	-	AND STATE OF THE PERSON OF THE	V. 14 EAST OF THE PROPERTY OF	THATPHERMATINGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	THE ACT OF THE ACT OF THE PROPERTY OF THE PERSON AS THE PE	Interim Monitoring - No Limit
81	81 Di-n-Butyl Phthalate	μô√L								-				Interim Monitoring - No Limit
8	82 2,4-Dinitrotoluene	NO.	NONE TO SERVICE AND ADDRESS OF THE SERVICE AND A		15.78 \$1.00.00							A COLEMBER OF LEAST STATE OF THE COLUMN STATE	MATTER THE STATE AND ADDRESS OF THE STATE OF	Interim Monitoring - No Limit
88	83 2,6-Dinitrotoluene	μογ											A SHIP CONTRACTOR OF THE PARTY	No Criteria Available
8	84 Di-n-Octvi Phthalate	nad										***************************************		No Criteria Available

TABLE R1
Boeing SSFL
Outfalls 015 through 017
(CA0001309, CI-6027)

					_						REACCIVABLE FOLENTIAL ANALYSIS (RPA)	< - < - < - < - < - < - < - < - < - < -		ř		٠		
				Frest	Freshwater	Human Health	lealth	Basin Plan	***************************************								Organisms Only	Zaly V
CTR# DATE	Stan Stan		<b>K</b> EC	C acute ≖ CMC tot	C chronic ≈ CCC tot	Not applicable C Ith W&O	0 # 0	Title 22 GWR	Lowest C	MEC>= Lowest C	Tier 1 - Need Ilmit?	_ <u> </u>	Tier 2 - Need limit?	Tier 3 . other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL	MDELhh
85 1.2-Diphenythydrazine	hg/L	0.6			NONE	0.04	0.54		4	S.	Go to Tier 2			9	Ş			
86 Fluoranthene	TO/C	9.0		NONE	NONE	300	370		370 No	No	Go to Ter 2	2		2	2			
87 Fluorene	na/L	0.6	-	6.9 NONE	NONE	1300	14,000	THE RESERVE TO SECURE A PROPERTY AND ADDRESS OF THE PERSON AND ADDRESS	14,000 No	02	Go to Tier 2	2		ON ON	Q.	PARAMETERS AND	TANAMATAN TANAMATAN AT AN	
88 Hexachiorobenzene	1/6/1	0.6		NONE	NONE	0.00075	0.00077		0.00077 No	92	Go to Tier 2	Š		Q.	ð	o contrato de cont	12 No. and 10 April 1	
89 Hexachlorobutadiene	na/L	0.6		NONE	NONE	0.44	95	AND THE PERSON OF THE PERSON O	50 No	CN	Go to	2		Ç	Q	de cida da esta como como como como como como como com	00 FOR THE	THE PROPERTY OF THE PROPERTY O
90 Hexachigrocyclopentadiene	7/6rl	0.6		NONE	NONE	240	17,000	Company of the last of the las	17,000 No	o Z	Go to Tier 2	2	1	NO NO	S			The state of the s
91 Hexachloroethane	ģ	0.6		NONE	NON	1.9	8.9		8.9 No	Š	Go to Tier 2	<u>%</u>		2	2			
92 Indeno(1,2,3-cd)Pyrane	1/0rl	9.0		NONE	NONE	0.0044	0.049		0.049 No		Go to Tier 2	2		ON	Š			
93 Isophorone	764 1	0.6		NONE	NONE	8.4	009		ON 009		Go to Tier 2	Š	T	9	Ş			The state of the s
94 Napthalene	rior.	0.6		8.6 NONE		NONE	NONE		NONE	Criteria alfable	Go to Tier 2	£		9	QN ON	A PARTITION OF THE PART	TO AN OLD THE THE PARTY AND TH	
95 Nitrobenzene	hg/L	0.6		NON	NONE	11	1,900		86	-	Go to Tier 2	2		9	8			
96 N-Nitrosodimethylamine	7/61	0.6		NONE	NONE	0.00069	8.1		89.1	8,1 No	Go to Tier 2	£	9	ON ON	<u>S</u>			
97 N-Nitrosodi-n-Propylamine	7,54	0.6		NONE	NONE	0.005	1.4		4.1		Go to Tier 2	£	9	Q	S.			
98 N-Nitrosodiphenylamine	pg/L	0.6	:	NONE	NONE	ď	16		16	16 NO	Go to Tier 2	Ş	2	O Z	2			
99 Phenanthrene	767	0.8		NONE	NONE	NONE	NONE		NONE	No Critería Available	Go to Tier 2	Ą	2	2	9			
100 Pyrene	µ9/L	0.0		NONE	NONE	096	11,000		11,000	No No	Go to Tier 2	2	Š	2	2			
101 1.2,4-Trichlorobenzene	Jon Mark	0.6		NONE	NONE	NONE	NONE		NONE	No Criteria E Available	Go to Tier 2	¥		ş	2			
102 Aldrin	μg/L	9.0			3 NONE	0.00013	0.00014		0.00014 No	No	Go to Tier 2	Š	Q N	Q.	Q 2			
103 alpha-BHC	J/Gr	9.0		NONE	NONE	0.0039	0.013		0.013 No	No	Go to Tier 2	£	Ş	S	Š			
104 beta-BHC	J.	0.6		NONE	NONE	0.014	0.046		0.046 No	o <u>N</u>	Go to Tier 2	S	9	9	8			Anna Contract Mark Contract
105 gamma-BHC (aka Lindane)	pg/L	90			0.95 NONE	0.019	0.063	0.2	0.063	o Z	Go to Tier 2	S.	8	9	9			
106 delta-8HC	ng/L	0.6		NONE	NONE		NONE		NONE	No Criteria Available	Go to Tier 2	S S	Ş	Ş	9			
107 Chlordane	μg/L	9.0		2.4	4 0.0043	0.00057	0.00059		0.00059 No	No	Go to Tier 2	N N	9	ş	9	and the state of t	Commission of process of a section of the section o	Transcribite of Acris Communication
108 4,4'.DDT	189/L	0.6		1.1	THE STATE OF THE S	0.00059	0,00059		0.00059 No	No	Go to Tier 2	S <sub>N</sub>	9	9	9	A CONTRACTOR OF THE CONTRACTOR	10 to	adicade a mandras A e A citada Adoles Antonio
109 4,4'-DDE	76d	9.0		NONE	NONE	0.00069	0.00059	CHECKER OF CONTRACT AND ADDRESS OF THE CONTRACT AND ADDRES	0.00059 No	No	YES		MATERIAL PROPERTY AND ADDRESS OF THE PERSON			0.00059	2.01	0.0011859
110 4,4'-0DD	1/64	9.0		NONE	NONE	0.00083	0.00084		0.00084 No	S S	YES		distribution of the state of th	A THE PERSON AND PERSO	William Control	0.00084	2.01	0.0016884
111 Dieldrin	Mg/L	0,6		0.24	0.056	0.00014	0.00014		0.00014 No	92	Go to Tier 2	ş	2	2	S.			2000
112 alpha-Endosulfan	µ9∕L	9.0		0.22	2 0.056	110	240		0.056 No	No	Go to Tier 2	Š	S	9	9			
								_			3 .	-						

1/25/2006

### Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

			The state of the s	AQUATE	AQUATIC LIFE CALCULATIONS	LATIONS		QA	AQUATIC LIFE CALCULATIONS	ALCULATIO	NS			
			Will control of the c	A	Freshwater				Freshwater	water		PROPOS	PROPOSED LIMITS	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA	est LTA (n	AMEL multiplier (n=4)	MDEL multiplier AMEL aq.life (n=4)	MDEL. multiplier (n=4)	MDEL aqlife	MDEL aqlife Lowest AMEL	Lowest MDEL	Recommendation
æ	85 1,2-Diphenythydrazine	μд/L		-				Í						Interim Monitoring - No Limit
65	88 Fuoranthene	Jag4.	mere vocament internation out manufacture						•					Interim Monitoring - No Limit
80	87 Fluorene	Ng/L	DO VORMON CALLANDA MANAGEMENT AND										APPAT LAPRAMANA PARALAN PARALAN NANANANA A PARALAN NANANANANA PARALAN NANANANA PARALAN NANANANA PARALAN NANANANANA PARALAN NANANANA PARALAN NANANANA PARALAN NANANANANA PARALAN NANANANANANA PARALAN NANANANANA PARALAN NANANANANA PARALAN NANANANANA PARALAN NANANANANANA PARALAN NANANANANANA PARALAN NANANANANA PARALAN NANANANANANA PARALAN NANANANANANA PARALAN NANANANANA PARALAN NANANANANANANA PARALAN NANANANANANA PARALAN NANANANANANANANA PARALANANANANANANANANANANANANANANANANANAN	Interim Montoning - No Limit
ď	88 Hexachlorobenzene	1994.									TO THE PARTY OF TH	10 A VANDARA A A MARKATA	CONTRACT INSTRUMENTAL PROPERTY OF THE PROPERTY	Interim Montoring - No Limit
රේ	89 Hexachlorobutadiene	FB (	A A A A A A A A A A A A A A A A A A A										CONTRACTOR OF THE PROPERTY OF	Interim Monitoring - No Limit
5.	90 Hexachlorocyclopentadiene	ng/L						Workington of Abstract of Assessment of Asse		WATER THE PROPERTY OF THE PROP		TOTAL SAMES AND A STATE AND A	ide de la coladada de manuelle an Assessa anno anno anno anno anno anno anno a	Interim Monitoring - No Limit
Ġ	91 Hexachloroethane	7,04	We Worth Man	A WARD TO COMPANY OF A STANDARD OF THE STANDAR							-		CONTRACTOR AND ARRANGE AND ARR	Interim Monitoring - No Limit
න	92 Indeno(1,2,3-cd)Pyrene	µg/L				Annual Color and								Interim Monitoring - No Limit
ර	93 Isopharane	IV9/L			OVER THE PARTY AND ADDRESS OF A				-					Interim Monitoring - No Limit
Ø.	94 Napthalene	100 f			A COLUMN AND A COL			COO WITCHIS OOM VIREALITY AND WOOD					AND THE PROPERTY OF THE PROPER	No Criteria Avaliable
6	95 Nitrobenzene	1904												Interim Monitoring - No Limit
න	96 N-Nitrosodimethylamine	1901			The second secon									Interim Monitoring - No Limit
6	97 N-Nitrosodi-n-Propylamine	MO/L		-	The second section of the second seco									Interim Monitoring - No Limit
on	98 N-Nitrosodiphenylamine	ng/L	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN											Interim Monitoring - No Limit
CO .	99 Phenanthrene	rg/L						***************************************					district of the state of the st	Interim Monitorina - No Limit
10	100 Pyrene	₽9/L										ANTIDA ENVIRONMENT	FPM Additional And Mindre Addition Assembly as a second and a second a	Interim Monitorina - No Limit
10	101 1,2,4-Trichlorobenzene	11g/L											**************************************	Interim Monitoring - No Limit
5	102 Aidrin	ηдуг										AT VIA TAT A PARAMITTI DATA A TITLE A TATA	Livin (Livinii Alti AddidA (Livinia Antichilia Livinia)	Interim Monitoring - No Limit
10	103 alpha-8HC	178/L				- Constitution of the cons			And a second sec					Interim Monitoring - No Limil
5	104 beta-BHC	T/S/I				an equipment a servicina del construire de c	C THE STATE OF THE							Interim Monitoring - No Limit
10	105 gamma-BHC (aka Lindane)	ng/L		-										Interim Monitoring - No Limit
10	106 delta-BHC	MOL		Address and the second	A CONTRACTOR OF THE CONTRACTOR	William Advanta	0.000						The state of the s	Interim Monitoring - No Limit
10	107 Chlordane	ng/L												Interim Monitoring - No Limit
2	108 4.4DDT	PQ/L			A1100000000000000000000000000000000000				THE PROPERTY OF THE PROPERTY O					Interim Monitoring - No Limit
10	109 4,4'-DDE	'nð,r				THE PERSON NAMED OF T			**************************************	*****				Interim Monitoring - No Limit
1	110 4,4° DDD	ng/L	merch / Andreas				Parameter A administration to the management of the control of the					TO A CONTRACTOR OF THE CONTRAC		interim Monitoring - Na Limit
***************************************	111 Diedorin	119/L			VII IIIVII WAA WAAAAAAAA			-	-	**************************************		and a A A decide a A Leadersh as A Leadersh	AREA AN AND AND AND AND AND AND AND AND AND	Interim Monitoring - No Limit
-	112 alpha-Endosulfan	1/8/	20.00	***************************************			111111111111111111111111111111111111111							Interim Monitoring - No Limit
11	113 beta-Endosulfan	T), Diff												Interim Monitoring - No Limit

#### TABLE R1 Boeing SSFL

Boeing SSFL Ouffalls 015 through 017 (CA0001309, CI-6027)

L					***************************************	CTR CRITERIA	ITERIA		_					-	-		HUMAN	HUMAN HEALTH CALCULATIONS	CULATION	SN
					A A A A A A A A A A A A A A A A A A A				•		REASONA	REASONABLE POTENTIAL ANALYSIS (RPA)	NTIAL A	NAL YSIS	(RPA)		APTRACT ACTION AS A CONTRACT AND A C	and a second position of the second position	A. D. C. L.	Andrew Milder Artists
					Freshwater	water	Human Health	Health	Basin Plan						West or the second seco	- Annual Control of the Control of t		Organisns Only	Only	
,							Not					Tier 1.	<u> </u>		Tier 3 -	Tier 3 -				
CTR#	DATE	nik Hill	5		Cacute = CMC tot	C chronic = applicable C		Chro	Title 22 GWR	MEC>=			Z ==	•	other info.	need limit?	AMELNh MDEL/AN	MDEL/AMEL	H. MDEL hh	£
Ť	114 Endosulfan Sulfate	i'	90	CHAMMA SERSINA A A BARRANA FA			110	240		240 No		Ga to Tier 2	1	4	ON	Q	Victoria de la Constantina del Constantina de la Constantina del Constantina de la C			
, Ę	115 Endrin	log.	0.6		980	0.036	0.76	0.81		0.036 No		Go to Tier 2	2		8	ક્ર	To the state of th	The state of the s		
Ξ	116 Endrin Aldehyde	1,61	9.0	A dilleton and Annual A	NONE	NONE	0.76	0.81	Watch to the same of the same	0.81 No	THE PROPERTY OF THE PARTY OF TH	Go to Tier 2	2		Q.	Ş	A stability A statement and design of the continues	A Manual of Advantage A vertical front of the little of th		A MANAGEMENT OF SECURITY OF SE
7	117 Heptachior	Por Total	9.0		0.62	0.0038	0.00021	0.00021		0.00021 No		Go to Tier 2	Š	9	Q.	Ş				
#	118 Heptachlor Epoxide	no.r	90		0.52	0.0038	0.0001	0.00011	and the same of th	0.00011 No		Go to Tier 2	Š		9	9				
	Polychlorinated biphenyls (PCBs)	ğ									No O									
-	119 Aroclor 1016	ng/L	0.6		NONFE	0.014	0.00017	0.00017		0.00017 No	9	Go to Tier 2	2	9	Ş	2	Annual An	University of the second		A Parameter State of the State
12	120 Aroctor 1221	ng/L	9.0		NONE	0.014	0.00017	0.00017		0.00017 No	9	Go to Tier 2	ž	0	9	õ				
7,2	121 Aracior 1232	hg/L	9.0		NONE	0.014	0.00017	0.00017		0.00017 No	9	Go to Tier 2	ş		2	S				
12	122 Aroclor 1242	764	0.6		NONE	0,014	0.00017	0,00017		0.00017 No	9	Go to Tier 2	2	Š	Ş	Ş				
12	123 Arocior 1248	ug/L	9.0		NONE	0.014	0.00017	0.00017		0.00017 No	No.	Go to Tier 2	2	8	9	9				
\$	124 Aroctor 1254	7,00	0.6		NONE	0.014	0.00017			0.00017 No	No No	Go to Tier 2	Ş	2	2	ş	0.00017		2.01 0.0	0,0003417
ţ	125 Aroclor 1260	hg/L	9.0		NONE	0.014	0.00017			0.00017 No	9	Go to Tier 2	ş	2	S	Q.				
	126 Toxaphene		9.0		0.73		0.0073	0.00075		0.00075 No	No	Go to Tier 2	2	S S	S S	Š				
100	FOOTNOTE							×												
	These metals are fractiness dependent. CTR criteria was																			
	calculated using an average																			
	receiving water hardness of 100																			

Boeing SSFL Outfalls 015 through 017 (CA0001309, CI-6027)

				AQUATI	AQUATIC LIFE CALCULATIONS	LATIONS		AQ	UATIC LIFE C	AQUATIC LIFE CALCULATIONS	\$	***************************************			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Freshwater			m. Ar recommendation of the annual section of the s	Freshwater	water		PROPOSI	PROPOSED LIMITS		
CTR	DATE	45	ECA acute muttiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic Lowest LTA		AMEL multiplier (n=4)	MDEI multi AMEL aq.iife (n=4)	- Je	MDEL aqlife	MDEL aqife   Lowest AMEL	Lowest MDEL	Recommendation	
114	114 Endosulfan Sulfate	, jo												Interim Monitoring - No Limit	So Limit
4.46	116 Endin	, Or												Interim Monitoring - No Limit	No Limit
116	116 Endrin Aldehyde	7) 071								,		A TANAMAN AND THE PROPERTY OF		Interim Monitoring - No Limit	No Limit
111	117 Heptachior	HQ4	The second of th											Interim Monitoring - No Limit	No Limit
118	118 Heptachlor Epoxide	70												Interim Monitoring - No Limit	No Limit
A THE PERSON AND A	Polychiorinated biphenyls (PCBs)	J/d/L	. · · · · · · · · · · · · · · · · · · ·											Interim Monitoring - No Limit	No Limit
110	9 Aroclor 1016	ğ												Interim Monitoring - No Limit	No Limit
120	1	Jon Jon										MANA VANILIAN VA LANILIAN A A MANANA A A MANANA A A A MANANA A A A	Peri Artination Alabaron (Alabaron Arabana)	Interim Monttoring - No Limit	No Limit
121	1 Arodor 1232	1,61	THE PERSON NAMED OF TAXABLE PARTY.											Interim Monitoring - No Limit	No Cimit
122	2 Aroclor 1242	ď								3				Interim Monitoring - No Limit	No Limit
123	3 Aroclor 1248	1,67												interim Monitoring - No Limit	No Limit
124	4 Arodor 1254	ng/L	WALL BY THE PARTY OF THE PARTY	And the second s	The state of the s	The state of the s	A CONTRACTOR AND A CONT	THE PARTY OF						Interim Monitoring - No Limit	No Limit
12:	125 Aroclor 1260	1,67				AND THE PARTY OF T		£	ALL THE PARTY OF T	000000000000000000000000000000000000000				Interim Monitoring - No Limit	No Limit
FOOTN	126 Toxaphene FOOTWOTE	hg/L											Interim Mar	Interim Monitoring - No Limit	No Limit
	dependent. CTR onteria was cafculated using an average														
	receiving water hardness of 100 mg/L.,	·/·											************************		***************************************

Table A3

Reasonable Potential Analysis for Non-Priority Pollutants in Wastewater
The Boeing Company
(Santa Susana Field Laboratory)
Outfalls 015 throu 017
(CA0001309, CI-6027)

CONSTITUENT	esinU	SaldmsS to tedmuM	Maximum Observed Effluent Concentration	CA	Multiplier	Projected Maximum Effluent Concentration (99/99)	Oilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection	JAITNƏTOY ƏJBANOSAƏR
	A 19 Section 11 months of the control of the contro	A STATE OF THE PARTY OF THE PAR	07.0	000	L	100		A 17 ARRIVAN AND REPORT WHEN THE A PROPERTY OF		And the state of t	1 1 C	317
MBAS	mg/L	7	0.19	0.88	15.45	2.94	0	5W15004	2.94	0.5	2	Y EV
LSS	mg/L	က	35.00	0.73	7.62	266.65	0		266.65	45	BU	YES
Perchlorate	119/L	2	150.00	0.78	12.15	1822.72	0		1822.72		B	YES
BOD <sub>5</sub> 20°C	mg/L	2	17.00	0.14	1.63	27.79	0		27.79	20	BG	YES
Total Coliform	MPN/100 mL	3	23.00	0.48	4.14	95.24	0	AZ I PORTUGUIS MUNICIPALITA DE LA CONTRACTORIO DE L	95.24	And the second s	2	YES
Nitrite as Nitrogen	mg/L	3	2.20	0.17	1.71	3.76	0		3.76		BN	YES
Oil and Grease	mg/L	2	10.00	0.07	1.31	13.08	0	annual of the state of the stat	13.08		BG	YES
Total residual chlorine	mg/L	က	5.00	0.99	13.11	65.55	0	A Company of the Comp	65.55		급 -	YES
Total dissolved solids	mg/L	2	440.00	0.07	1.27	560.86	0		560.86		<u>m</u>	Š N
Chloride	mg/L	2	140.00	0.0E+00	1.00	140.00	0	A THE PROPERTY OF THE PARTY OF	140.00	150	<u></u>	Š N
Sulfate	mg/L	2	38.00	0.58	6.90	262.24	0		262.24		BG	Š Ž
Fluoride	mg/L	2	0.36	90.0	1.25	0.45	0		0.45		BG BG	, O
Nitrate + Nitrite as Nitrogen	mg/L	2	2.20	0.22	2.22	4.88	0		4,88	8	BG	*ON
Barium	mg/L	2	0.02	90.0	1.26	0.03	0		0.03		BU	Š N
*BPJ used to retain effluent limits since data set is small.	ce data set is sπ	rall.										