

IQRPE Integrity Assessment Report for the 242-A PC-5000 Transfer Pipeline

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CH2MHILL Hanford Group, Inc.
Richland, WA 99352
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Abstract: This document is the assessment by an Independent Qualified Registered Professional Engineer (IQRPE) of the process condensate waste transfer line(PC-5000) from the 242-A Evaporator facility to the Liquid Effluent Retention Facility (LERF). This assessment is required by RCRA Permit WA7890008967 and the Washington State Dangerous Waste Regulations (WAC 173-303-640(2)). The report recommends that the PC-5000 line be re-assessed by an IQRPE in 10 years.

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Independent Qualified Registered Professional Engineer

IQRPE IAR for the 242-A PC-5000 Transfer Pipeline, RPP-RPT-33307, Rev.0

CH2M HILL Requisition No. 144001

IQRPE Integrity Assessment Report

for the

242-A PC-5000 Transfer Pipeline

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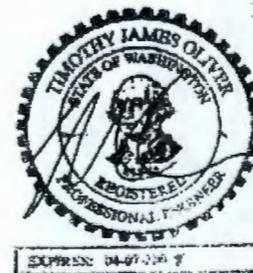
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December 20, 2007

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ACRONYMS

AASHTO	American Association of State Highway Transportation Officials
ANSI	American National Standard Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
AWWA	American Water Works Association
CH2MHILL	CH2MHILL Hanford Group Inc.
CZE	Cooper Zeitz Engineers, Inc.
DCG	Derived Concentrations Guide
DOE	U.S. Department of Energy
DSA	Documented Safety Analysis
DST	Double Shell Tank
ECN	Engineering Change Notice
ENC	Enclosure
EPA	Environmental Protection Agency
FRP	Fiberglass reinforced pipe
FS	Factor of Safety
ft	feet
ft/sec	feet per second
gpm	gallons per minute
HNF	Hanford Nuclear Facility
HPS	Hanford Plant Standard
IA	Integrity Assessment
IAP	Integrity Assessment Plan
IAR	Integrity Assessment Report
ICD	Interface Control Document
IPS	Iron Pipe Size
IQRPE	Independent Qualified Registered Professional Engineer
KEH	Kaiser Engineers Hanford Company
Kg	kilogram
lb	pound
LERF	Liquid Effluent Retention Facility
lpm	Liters per minute
MCS	Monitor and Control System
m	meter
mg/L	milligrams per liter
N/cm ²	Newtons per square centimeter
NQA	Nuclear Quality Assurance
ORP	Department of Energy Office of River Protection
PC	Process Condensate
PCP	Process Control Plan
PRR	Post Run Report
psi	pound per square inch
RCRA	Resource Conservation Recovery Act
RTRP	Reinforced epoxy Thermoset Resin pressure Pipe
SCC	Stress Corrosion Cracking
SDC	Standard Design Criteria
TC	Total Carbon
TDS	Total Dissolved Solids
TOC	Total Organic Carbon

TSS	Total Suspended Solids
TGS	TechnoGeneral Service Company
TSD	Treatment Storage Disposal
WAC	Washington Administrative Code
WHC	Westinghouse Hanford Company

EXECUTIVE SUMMARY

This integrity assessment report (IAR) describes the activities performed to satisfy the requirements of Resource Conservation and Recovery Act Permit WA7890008967 under the Washington State Department of Ecology (Ecology) Dangerous Waste Regulation, Washington Administrative Code (WAC) 173-303-640(2) for the Process Condensate (PC)-5000 Transfer Pipeline System. The transfer pipeline system begins at the tie-in to the existing two-inch PC556-M42 line downstream of valve HV-RC3-3 in the 242-A Evaporator building and terminates at approximately line station STA 56+47.57 at Liquid Effluent Retention Facility (LERF) Basin 43 (Basin 242AL-43). The PC 5000 Transfer Pipeline System transfers process condensate (dangerous waste) from the 242-A Evaporator to the LERF. State dangerous waste regulations require the integrity of existing tank systems including ancillary equipment storing dangerous waste, be assessed to "determine that the tank system is adequately designed and has sufficient structural strength and compatibility with the waste(s) to be stored or treated to ensure that it will not collapse, rupture or fail" (WAC 173-303-640(2)).

This IAR addresses the PC-5000 transfer pipeline system including its secondary containment and leak detection system. The assessment is based on the following criteria, (1) review of available transfer pipeline unit design documents, design drawings, and construction specifications; (2) review of waste processed, waste characteristics, and operational parameters; (3) qualitative assessment of waste compatibility and corrosion on the pipelines; and (4) leak testing and visual examination of the PC-5000 transfer pipeline system.

Section 1.0 of this document provides background information regarding the system and the integrity assessment program, and provides a brief description of PC-5000 transfer pipeline system, process, and operating parameters.

Section 2.1 provides evaluation of codes, standards, and regulations for the PC-5000 pipeline. The PC-5000 system meets all relevant codes, standards, and regulations.

Section 2.2 provides the process condensate waste characteristics. The chemical composition of the process condensate varied from run to run. In general, the process condensate is a highly-alkaline liquid (pH = 9.77 to 11.04) with a specific gravity up to 1.0. Temperatures of the process condensate range between 27 °C and 43 °C (80 °F to 110 °F). Ammonia/ammonium concentrations in the process condensate samples were well below the LERF extremely hazard limit and industrial hazard limit. Small quantities of organic and inorganic chemicals are also present.

Section 2.3 provides the process condensate compatibility evaluation with respect to pipe material. This evaluation indicates that the pipe material for the PC-5000 transfer pipeline system is compatible with the chemical components or dangerous wastes present in the process condensate due to low levels of constituents present in the process condensate.

Section 2.4 presents the corrosion evaluation for the PC-5000 transfer pipeline. The system corrosion mechanisms as a function of waste composition, stress, erosion were evaluated. The potential corrosive environment found in the process piping, crevice corrosion at system components, the potential effect of the surrounding soils environment on materials, and corrosion control measures were also evaluated. The conclusion of this corrosion evaluation is that the PC-5000 pipeline system and components are not expected to be degraded by the low concentration of waste

constituents present in the process condensate. The current condition of the pipeline is fit for use for the expected life-cycle of the 242-A Evaporator unit and PC-5000 transfer line through 2034 (per ORP contract baseline).

Section 2.5 presents a brief discussion of the system operating history. The PC-5000 pipeline was placed in operation in 1994, and has been in service for 13 years. The original design life of the PC-5000 pipeline was 5 years. Fiberglass pipes generally have a design life of 50 years. Based on this evaluation and the past, current, and projected future operating conditions for the transfer pipeline system, the remaining life for the PC-5000 transfer pipeline will surpass the life extension period of the 242-A Evaporator through the year 2034.

Section 2.6 summarizes the visual inspection of the accessible portions of the PC-5000 pipeline and its components. The visual inspection included walk-downs of the system where possible, inspection of exposed piping, and consistency with design drawings and documents. Digital photographs were taken of the accessible portions of the pipeline system and examined for indications of cracks and other potentially physical impairments by trained and certified technicians. The visual examination found no indications of pipeline system degradation.

Section 2.7 provides a brief description of the Hydrostatic Pressure Decay Test of the PC-5000 pipeline 3-inch primary containment pipe. The acceptance criteria for this test was that the pressure decay should not exceed 2.5 percent per hour. The 3-inch primary containment pipeline was filled with water and the accessible portions of the system, joints, and valves inspected during the 2-hour leak test. The test was acceptable. No leaks were observed on exposed piping.

Section 3.0 presents the conclusions of the integrity assessment. The Independent Qualified Registered Professional Engineer (IQRPE) has determined that the PC-5000 waste transfer piping has sufficient strength and compatibility with the wastes (process condensate) and will not collapse, rupture, or fail during its service life through the expected life-cycle of 2034 for the 242-A Evaporator unit and PC-5000 transfer line.

Section 4.0 provides the basis for a recommended schedule for future integrity assessments. Based upon the findings of this IAR, it is recommended that the next unit integrity assessment be performed no later than 10 years after submittal of this IAR.

Section 5.0 provides the Integrity Assessment Certification. This IAR is certified and signed by the IQRPE concurring that the PC-5000 transfer pipeline is in compliance with the applicable sections of WAC 173-303-640(2) and the RCRA Permit for the 242-A Evaporator.

1.0 INTRODUCTION

TechnoGeneral Services Company (TGS) has prepared this Integrity Assessment Report (IAR) for the PC-5000 Process Condensate (PC) Transfer Pipeline in conjunction with Cooper Zietz Engineers, Inc. (CZE), at the request of CH2M Hill Hanford Group, Inc. (CH2M HILL), the project co-operator under Contract No.1440001. TGS is the Independent Qualified Registered Professional Engineer (IQRPE) of record for this project. The qualifications of personnel involved in the preparation this IAR are provided in Attachment H.

This IAR is for the PC-5000 Transfer Pipeline from the 242-A Evaporator System to the Liquid Effluent Retention Facility (LERF). It has been prepared in accordance with the Integrity Assessment Plan (IAP) RPP-PLAN-32530, Revision 1 (TGS 2007a) for the 242-A Evaporator System PC-5000 Process Condensate Transfer Line at the Hanford Site. The IAP was prepared to meet the requirements of Resource Conservation and Recovery Act (RCRA) Permit WA7890008967 under the Washington State Department of Ecology (Ecology) Dangerous Waste Regulation; Washington Administrative Code (WAC) 173-303-640(2); the approval of the Department of Ecology Office of River Protection (ORP); and the Washington State Department of Ecology (Ecology). A separate IAR (RPP-RPT-33306, TGS 2007b) has been prepared for the 242-A Evaporator to meet the remaining requirements of the IAP (TGS 2007a).

The PC-5000 Transfer Pipeline category is ancillary equipment in accordance with the requirements of the WAC 173-303-640(2)(c), Publication 94-114 (Ecology 1994) for existing tank systems, and Publication 95-420 (Ecology 1995) for dangerous waste secondary containment systems. It is an extension of the waste transfer line from the 242-A Evaporator unit to the LERF. The PC-5000 Transfer Pipeline system includes the three inch carrier pipe (primary containment), a six inch secondary containment pipe, and a leak detection system.

This IAR is organized as follows:

- Section 1—Introduction defining requirements, system boundaries and scope of the assessment.
- Section 2—Integrity assessment of PC-5000 transfer line that includes applicable codes, standards, and regulations used; waste characteristics and waste compatibility; corrosion assessments; system age; visual inspection; and results of leak testing.
- Section 3—Conclusions, Deficiencies, and Recommendations
- Section 4—Recommended schedule for future integrity assessment
- Section 5—Integrity assessment certification
- References
- Attachments

1.1 General

The WAC 173-303-640(2) defines that for existing tank system including ancillary equipment such as PC-5000 transfer line, the owner or operator must determine that the tank system is not leaking or is unfit for use and the owner or operator must obtain and keep on file at the unit a written assessment reviewed and certified by an IQRPE, in

accordance with WAC 173-303-810 (13)(a), that attests to the tank system's integrity for tank systems that cannot be entered for inspection.

1.2 Site Map of the Unit

Figure 1.1 shows the site map for the 242-A Evaporator and PC-5000 Transfer Piping Route to the LERF.

1.3 Scope

The scope of the integrity assessment addressed in this report is limited to the PC-5000 Condensate Transfer Pipeline System. This IAR is based on the recommendations in the original 1993 IAR (Westinghouse Hanford Company [WHC] 1993) and the IAP (TGS 2007a). The tasks associated with this IA include:

- Review of the information necessary for the IQRPE to evaluate and certify the integrity of the system to the requirements of WAC 173-303-640(2)(a), (2)(c), (2)(d), and (2)(e).
- Leak testing (Hydrostatic Pressure Decay Test) of the PC-5000 transfer line system.
- Visual inspection of the accessible portions of PC-5000 transfer line system.
- Review of operating logs and occurrence reports for events of the PC-5000 transfer line.
- Review of 1993 IAR to determine baseline status.
- Review of national codes and standards and U.S. Department of Energy (DOE) orders to determine if there are significant new or revised requirements related to integrity of existing PC-5000 transfer line system.

The components to be evaluated during this IA for the PC-5000 Transfer Pipeline are listed in Table 1.1.

Piping systems which either introduce liquid waste streams into the building or transfer solids, liquids, or vapors to other facilities were evaluated up to but not to include the last valve or flanged connection inside the TSD unit perimeter. The following items are not covered by the WAC dangerous waste regulations or the RCRA Permit for the TSD unit, and are therefore outside of the scope of this certification:

- Plant utilities, including chemical supply storage and piping supply systems, instrument and plant air supply lines, and electrical power beyond the first upstream device or uninterruptible power supply systems that do not directly affect the ability of the system to prevent the collapse, rupture, or failure of components handling dangerous wastes.
- Structural features not related to dangerous waste secondary containment.
- Architectural features not related to dangerous waste containment.
- Electrical or signal lines beyond the first upstream field termination box (FTB), motor control center (MCC), or instrument control panel (ICS). Electrical feed,

including wiring, local hand switches, terminations, breakers, and other equipment or instruments located in motor control centers will be reviewed to the extent they affect the ability of the system to prevent the collapse, rupture, or failure of components handling dangerous wastes. Instrument cabling and terminations will also be limited to locally mounted devices and field termination boxes and/or local instrumentation and control panels to the extent they affect the ability of the system to prevent the collapse, rupture, or failure of components handling dangerous wastes.

- Verification of functional logic for operation and control of the system.

This certification also excludes the following aspects of the system as they relate to radionuclide and radiation control as they are outside the scope of the WAC dangerous waste regulations:

- Radiation monitoring or detection components that may be mounted at various locations throughout the system.
- Requirements regarding waste feed radionuclide properties, including all radioactive and radionuclide property considerations.
- Requirements developed to ensure exposure of plant operating personnel to radioactive process streams (radiation) is as-low as reasonably achievable (ALARA)
- System safety features related to the following:
 - Personnel Safety
 - Fire Protection
 - Nuclear Safety

1.4 PC-5000 Transfer Line System

The PC-5000 Transfer Pipeline system is a double contained piping system starting from within the 242-A Evaporator building and ending at LERF Basin 43 (Figure 1.2). Drawings H-2-98990, Sheet 1 and H-2-88766, Sheet 1 depict the starting point of the PC-5000 line as it exits the 242-A Evaporator building. Drawing H-2-88766, Sheet 3 shows the ending point of the line at LERF Basin 43. The transfer pipeline system begins at the tie-in to the existing two-inch PC556-M42 line down stream of valve HV-RC3-3 in the 242-A Evaporator building and terminates at approximately line station STA 56+47.57 at LERF Basin 43 (Basin 242AL-43).

1.4.1 Process Description

The PC-5000 transfer line receives process condensate (condensed water vapors) from the condensate collection tank (TK-C-100). Process condensate is transferred to the LERF via the PC-5000 transfer line.

The process condensate transferred to LERF is monitored continuously for flow and radiation per the Hanford Nuclear Facility (HNF) 3395 Interface Control Document (Fluor Hanford 2004) and the HNF 3172 Waste Acceptance Criteria (Fluor Hanford 2001). In addition to radiation monitoring, the process condensate is monitored for separable organic layer in condensate collection tank (TK-C-100), and is manually sampled and analyzed to confirm Resource Conservation and Recovery Act (RCRA) permit requirements are met as per Permit WA7890008967, Chapter 3, Waste Analysis Plan

(Ecology 2005). If radiation levels exceed established limits, an alarm is received and interlocks immediately divert the stream back to the condensate collection tank (or the feed tank) and shut off the process condensate pump. This ensures process condensate containing excessive radionuclides due to an accidental carryover from the vapor-liquid separator is not transferred to LERF.

Figure 1.2 Plan View – PC- 5000 Transfer Pipeline from 242-A Evaporator to LERF

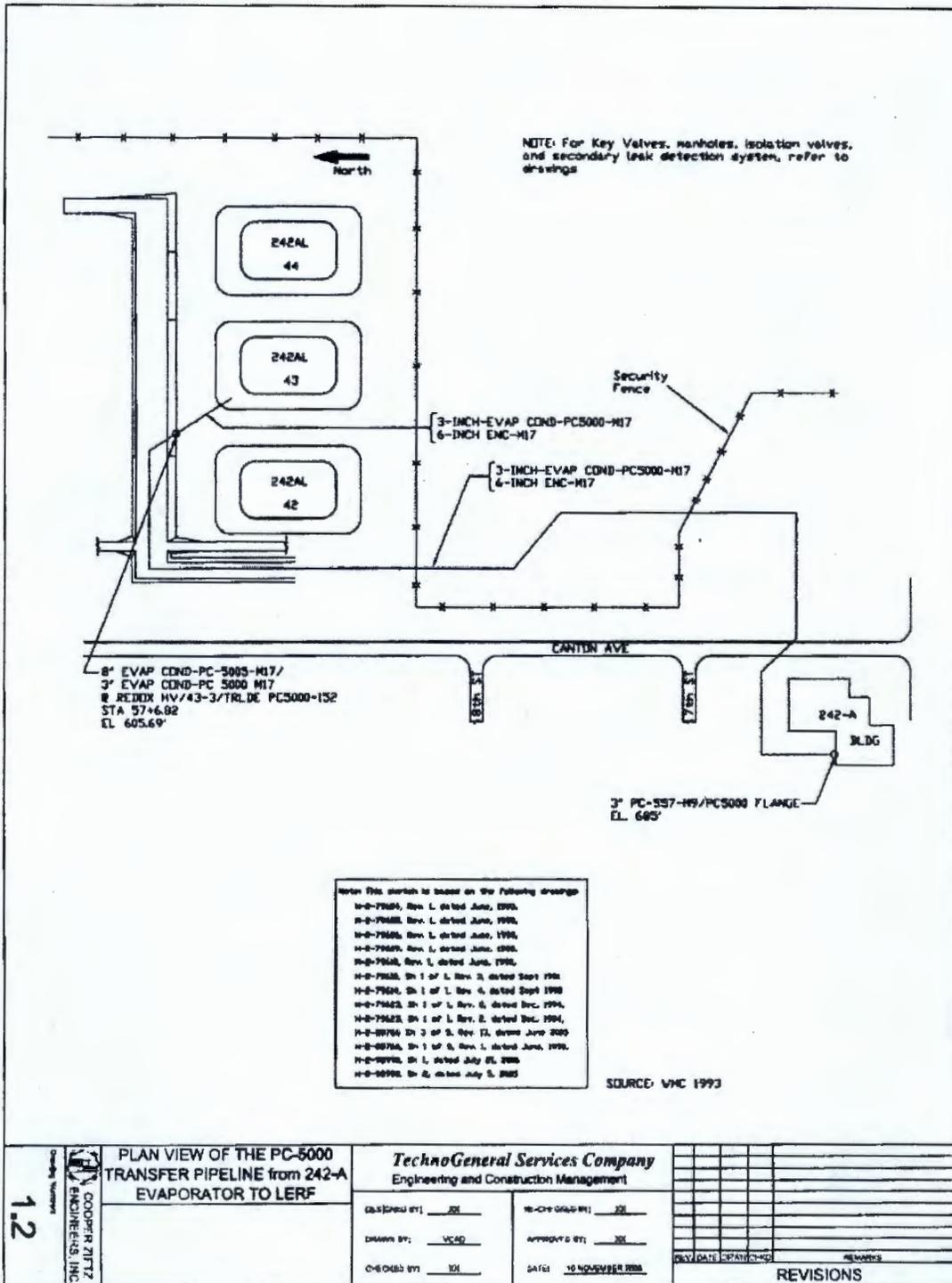


Table 1.1
Subsystem 4 (PC 5000)

Component ID	Description	Line Segment	Specifications / Materials of Construction	Accessibility / Insulated	P&ID	Pressure		Comments / System Boundary
						Design	Test	
3"PC-557-M9	Process condensate	from 242-A evaporator bldg / tank TK-C-100 to unidentified flange at interface between 3"PC-557-M9 and 3"-EVAP COND-PC5000-M17			H-2-88766, SH1			HV-RC-3 last CV / isolation valve in PC system.
2"-VE-1050-M9	vent	loop from PC5000 through SRV-1			H-2-88766, SH1			If system cannot be isolated at SRV-1, then no CV or isolation valve shown on line between nozzle J on tank TK-C-100 and connection to condensate line.
2"-VE-1050-M9	vent	loop through VB-C-1			H-2-88766, SH1			If system cannot be isolated at VB-C-1, then no CV or isolation valve shown on line between nozzle J on tank TK-C-100 and connection to condensate line.
3/4"-EHTR-M9		from valve 1-18B to 6"ENC of 3"-EVAP COND-PC5000-M17			H-2-88766, SH1			1-18B
3"-EVAP COND-PC5000-M17	Process condensate	from unidentified flange at interface between 3"PC-557-M9 and 3"-EVAP COND-PC5000-M17 to valve pit valves HV-80W-001 and HV-80W-002; code change at valves from M17 to M9 and back to M17 after valves.	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	6" ENC-M17, Heat-traced to 4 feet min below grade.	H-2-88766, SH1			HV-80W-001 and HV-80W-002
3"-WTP-002-M17	radioactive effluent (future)	3"-WTP-002-M17 from valve pit valves HV-80W-003 and HV-80-004 (future)	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾		H-2-88766, SH1			HV-80W-003 and HV-80W-004
6"ENC Test Riser	test riser	to 6" ENC of 3"-EVAP COND-PC5000-M17		Every 100 feet, typical	H-2-88766, SH1			
3"-EVAP COND-PC5000-M17	Process condensate	from valve pit valves HV-80W-001 and HV-80W-002; code change at valves from M17 to M9 and back to M17 after valves to valve 60M-43P.	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	6" ENC-M17, Heat-traced to 4 feet min below grade.	H-2-88766, SH3			
2"-ENC DR-M17	Enclosure drain	from valve HV-43-2 to 6"ENC of 3"-EVAP COND-PC5000-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾		H-2-88766, SH3			HV-43-2
3"60M-003-M17	Process condensate	from valve 60M-43F to 3"-EVAP COND-PC5000-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾		H-2-88766, SH3			60M-43F See Note (3)
3"60M-003-M17	Process condensate	from valve 60M-43-F through valves 60M-43M and 60M-43N to line 8"EVAP COND-PC5100-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾		H-2-88766, SH3			60M-43F (upstream of line connection to 8"EVAP COND-PC5100-M17 See Note (3)

Table 1.1
Subsystem 4 (PC-5000)

Component ID	Description	Line Segment	Specifications / Materials of Construction	Accessibility / Insulated	P&ID	Pressure		Comments / System Boundary
						Design	Test	
Unidentified line		from unidentified flange to valve 60M-430 to 3"60M-003-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾					See Note (3)
3"-EVAP COND-PC5000-M17	Process condensate	from valve 60M-43P to HV-43-5. Connection to 3"-60M-001-M17 between valves 60M-43P and HV-43-5, isolated by valves HV-43-3 and HV-43-5.	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	6" ENC-M17, Heat-traced to 4 feet min below grade.	H-2-88766, SH3			See Note (3)
3"-EVAP COND-PC5000-M17	Process condensate	Bypass to connection to 3"-60M-001-M17 through valve HV-43-4 (NC)	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	6" ENC-M17, Heat-traced to 4 feet min below grade.	H-2-88766, SH3			See Note (3)
3"-EVAP COND-PC5000-M17	Process condensate	from valve HV-43-5 through expansion to HV-43-6, connection to line 8" EVAP COND-PC5005-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	6" ENC-M17, Heat-traced	H-2-88766, SH3			HV-43-6? Size and nomenclature changes from 3" EVAP COND-PC5000-M17 to 6" EVAP COND-PC5005-M17 after exp and valve HV-43-6. See Note (3)
3"60M-001-M17	Process condensate	from valve 60M-04A to line 3"-EVAP COND-PC5000-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	Insulated upstream of valve 60M-04A (6" ENC-M17, heat traced to 3.5 feet min below grade)	H-2-88766, SH3			60M-04A See Note (3)
8" EVAP COND-PC5100-M17	Process condensate	from valve HV-43-8 to 3"-EVAP COND-PC5000-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	None indicated on P&ID	H-2-88766, SH3			HV-43-8 and HV-43E (no CV or isolation valve prior to branch between lines 8" EVAP COND-PC5010-M17 and 8" EVAP COND-PC5100-M17 See Note (3)
8" EVAP COND-PC5010-M17	Process condensate	from valve HV-43E to 3"-EVAP COND-PC5100-M17	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾	None indicated on P&ID	H-2-88766, SH3			HV-43-8 and HV-43E (no CV or isolation valve prior to branch between lines 8" EVAP COND-PC5010-M17 and 8" EVAP COND-PC5100-M17 See Note (3)
8" EVAP COND-PC5100-M17	Process condensate	from valve HV-43-8 through valve HV-43-9, flexible connection, unidentified flange (code change from M-17 to M-35) to line 14" EVAP COND-M35 / RB-R-43-R to 242-A EVAP COND 242AL-43	Specification M-17, See Note ⁽¹⁾ Pipe Materials: Centrifugally cast, fiberglass-reinforced epoxy thermoset resin Valve Materials, See Note ⁽²⁾		H-2-88766, SH3			See Note (3)
242-A EVAP COND 242AL-43	LERF Basin & ETF Influent Evaporator		6.5 million gallon capacity		H-2-88766, SH3			See Note (3)
P-43-4	Basin pump		175 gpm		H-2-88766, SH3			See Note (3)
RB-R-43-5	Basin pump riser	from pump P-43-4 to riser RB-R-43-5			H-2-88766, SH3			See Note (3)

1.4.2 System Description

The PC-5000 transfer line is a 1,500 meter (4,918 foot) underground transfer line consisting of a 7.6 centimeter (3 inch) primary transfer (carrier) line inside a 15.2 centimeter (6 inch) containment pipe. Electronic leak detection is provided at 305 meter (1,000 foot) intervals along the transfer line and swab risers are provided every 30.5 meters (100 feet) between the leak detection elements.

Both the 7.6 centimeter (3 inch) primary transfer (carrier) line and the 15.2 centimeter (6 inch) containment pipe are centrifugally cast, fiberglass-reinforced epoxy thermoset resin pressure pipe fabricated to meet the requirements of American Society of Mechanical Engineers (ASME) D2997 (ASME 1989). The 7.6-centimeter (3-inch) carrier piping is centered and supported within 15.2-centimeter (6 -inch) containment piping. Pipe supports are fabricated of the same material as the pipe, and meet the strength requirements of American National Standard Institute (ANSI) B31.3 (ANSI 1987) for dead weight and seismic loads.

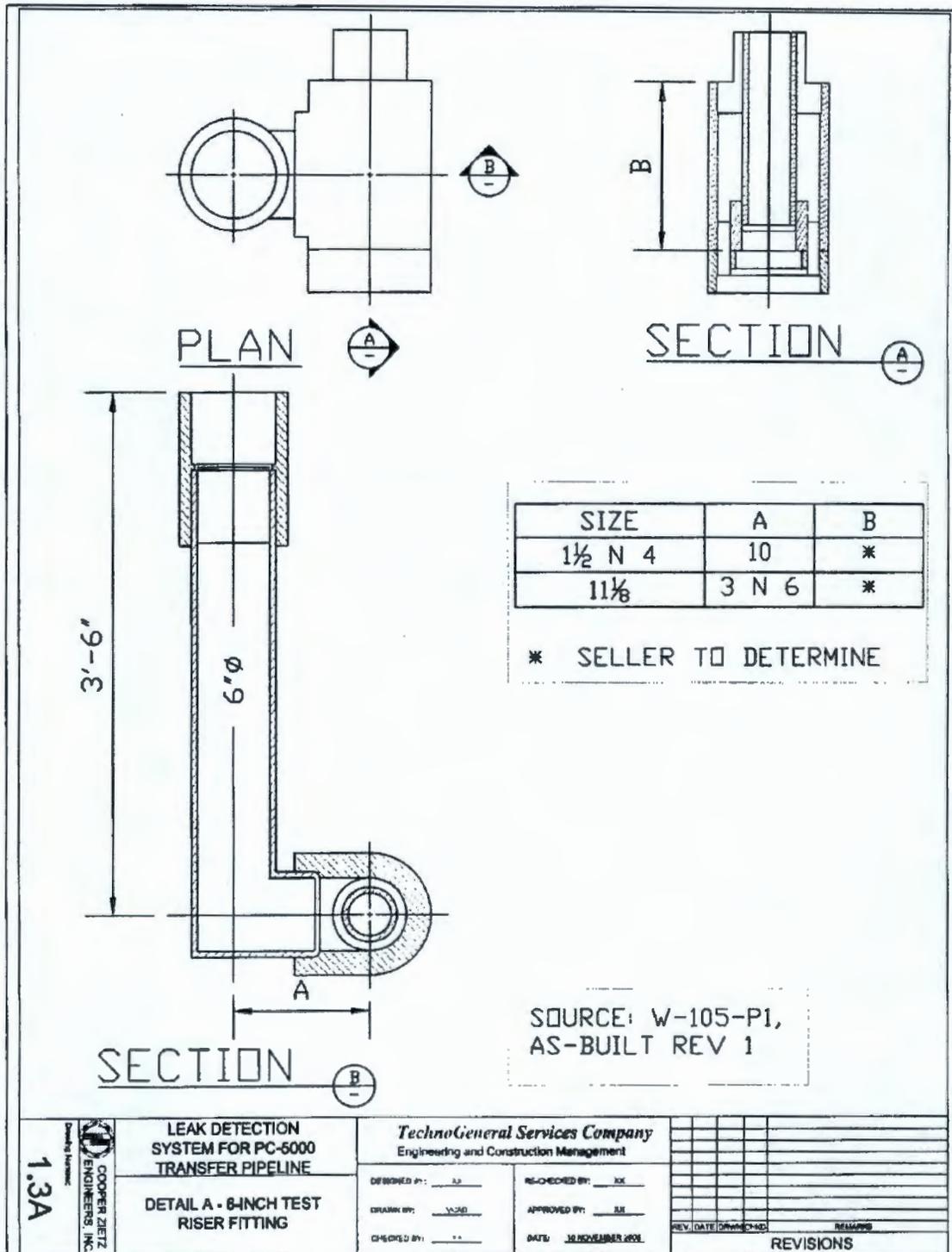
1.4.3 Secondary Containment and Release Detection for PC-5000 Transfer Line

The PC-5000 transfer line piping system is a double-containment system. The inner pipe (primary containment) is 7.6 centimeter (3 inch) diameter and carries the 242-A Evaporator process condensate stream. The outer 15.2 centimeter (6-inch) diameter pipe provides secondary containment in the event there is a failure of the inner pipe.

The RCRA Permit (WA7890008967, Ecology 2005) identifies approved leak detection methods as being electronic continuous monitoring or visual inspection at the identified periodicity. Single-point electronic leak detection elements were installed along the transfer line at 305 meter (1000 feet) intervals at the time of construction. Figures 1.3A through 1.3F show the as-built leak detection system. The leak detection elements are located in the bottom of specially designed test risers. Each sensor element employs a conductivity sensor, which is connected to a cable leading back to the 242-A Evaporator control room. If a leak develops in the carrier pipe, fluid will travel down the exterior surface of the carrier pipe or the interior of the containment pipe. As moisture contacts a sensor unit, the alarm sounds in the 242-A Evaporator and/or the Effluent Treatment Facility (ETF) control room and the zone of the leak is indicated on the digital display. The pump located in the 242-A Evaporator is shut down, stopping the flow of aqueous waste through the transfer line. A low-volume air purge of the annulus between the carrier pipe and the containment pipe is provided to prevent condensation buildup and minimize false alarms by the leak detection elements.

Prior to each campaign attempts are made to operate the PC-5000 line automated leak detection system. Although continued attempts to maintain the automated system are made, the system has a history of false alarms. Currently, the automatic leak detection system for the PC-5000 transfer line is not operational. The RCRA Permit has an identified and approved alternate means of leak detection using visual inspection. This alternative leak detection (visual inspection) at the LERF end of the line has been utilized since 2003. Project E-528, Trace-Tek Leak Detection System Upgrade, is scheduled to be completed prior to the next recommended IA of this unit. (RPP-PLAN-33477, Rev 0, CH2M HILL, 2007).

Figure 1.3A Leak Detection System - 6-Inch Test Riser Fitting



1.3A
 Cooper Zietz
 ENGINEERS, INC.

LEAK DETECTION
SYSTEM FOR PC-5000
TRANSFER PIPELINE

DETAIL A - 6-INCH TEST
RISER FITTING

TechnoGeneral Services Company
Engineering and Construction Management

DESIGNED BY: JJ
 CHECKED BY: JJK
 DRAWN BY: VLD
 APPROVED BY: JJK
 CHECKED BY: **
 DATE: 10 NOVEMBER 2001

REV.	DATE	DESCRIPTION	REMARKS

REVISIONS

Figure 1.3D Leak Detection System – Detail D

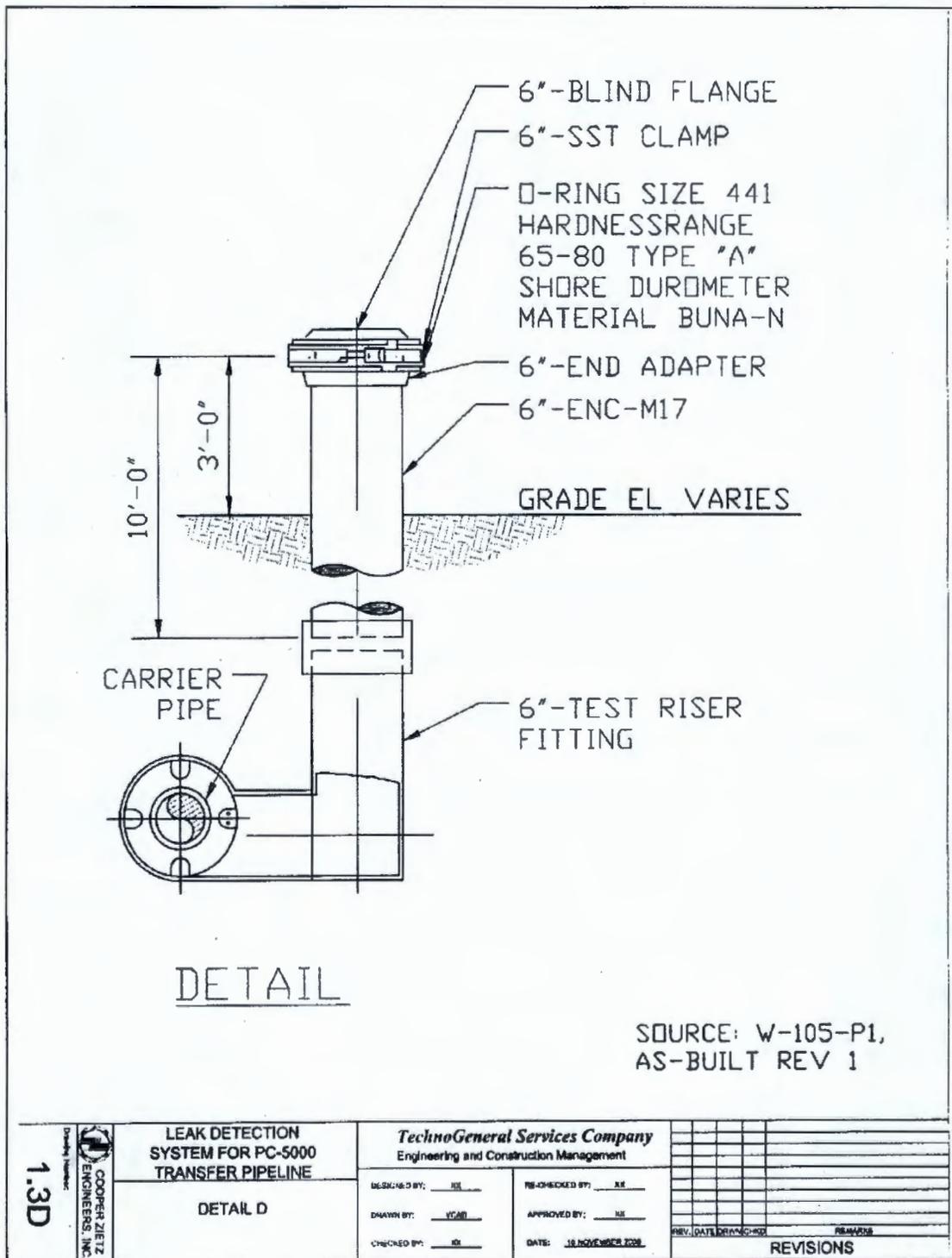
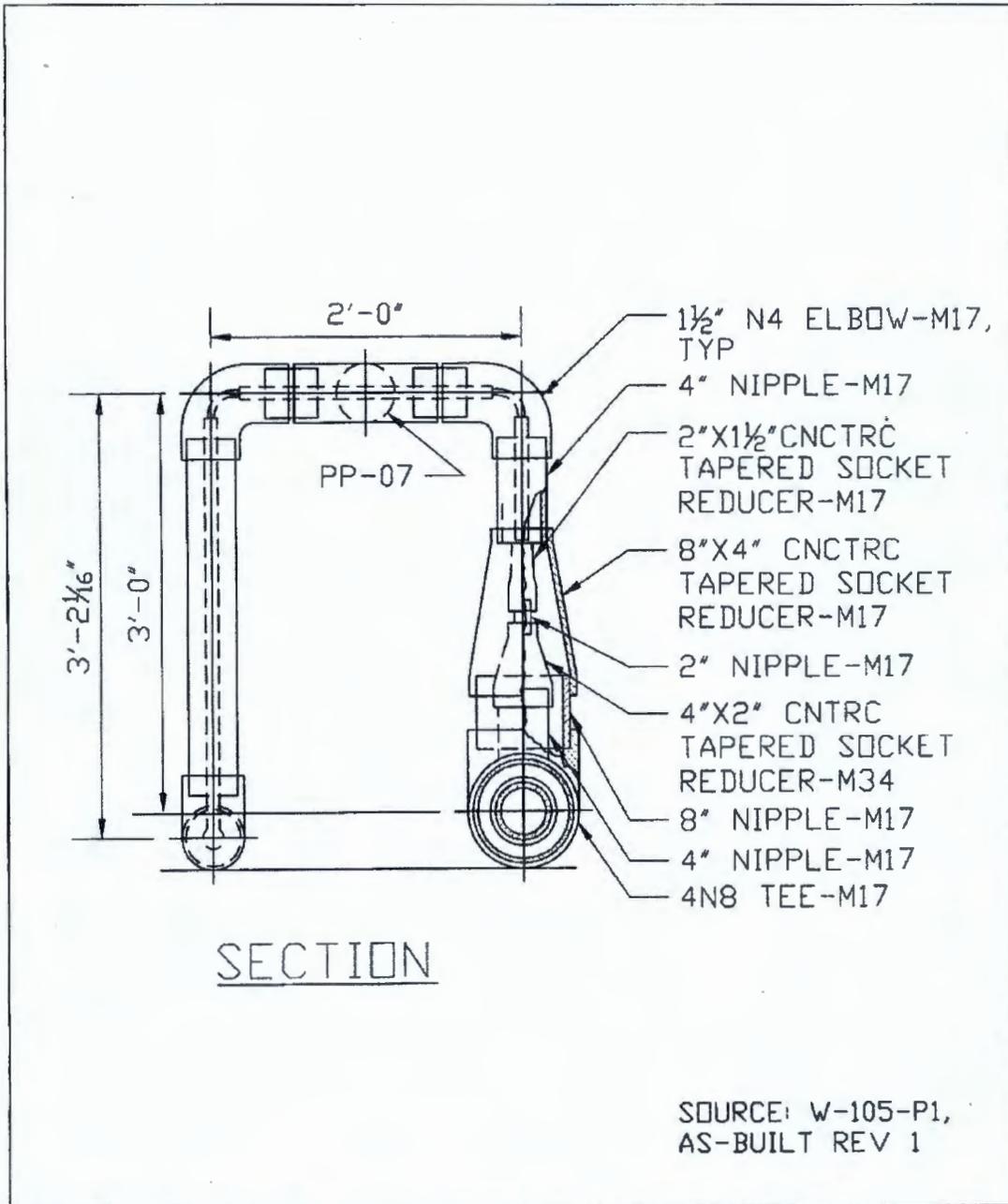


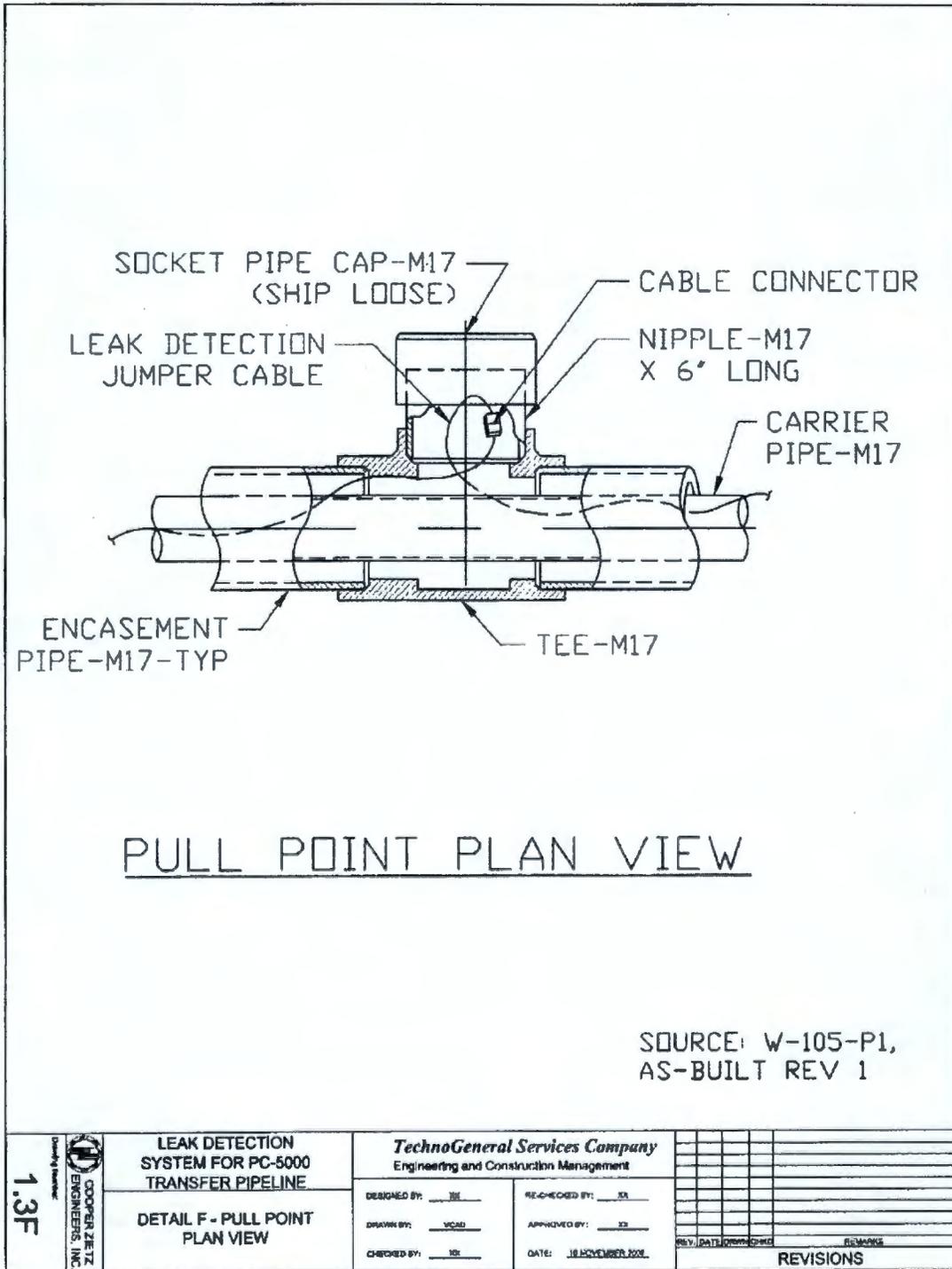
Figure 1.3E Leak Detection System – Detail E - Section



SOURCE: W-105-P1,
AS-BUILT REV 1

 COOPERS ZIEHL ENGINEERS, INC.	LEAK DETECTION SYSTEM FOR PC-5000 TRANSFER PIPELINE	TechnoGeneral Services Company Engineering and Construction Management			
	DETAIL E - SECTION	DESIGNED BY: <u>JK</u>	RECHECKED BY: <u>JS</u>		
		DRAWN BY: <u>VTAD</u>	APPROVED BY: <u>JS</u>		
	CHECKED BY: <u>JS</u>	DATE: <u>10 NOVEMBER 2008</u>			
				REVISIONS	

Figure 1.3F Leak Detection System – Pull Point Plan View



1.4.4 Operating Parameters

Operating parameters for the PC-5000 Process Condensate Transfer Line include the flow rate, pressure, temperature ranges and limits for the system. The inner pipe (primary containment) is designed for 100 pounds per square inch (psi) (68.9 Newtons per square centimeter [N/cm^2]) operating pressure; the outer pipe (secondary containment) is designed for 60 psi (41.4 N/cm^2) operating pressure. The pipeline was designed for fluid characteristics having a maximum temperature of 120° F (48.9°C) and a minimum temperature of 40° F (4.4°C) (WHC 1994). The process flow material balance shows a temperature range of 80 to 110 °F (27 to 43 °C) for the process condensate to LERF (boil-off) (CH2M HILL 2003). The maximum operating temperature is 120° F (48.9°C). The flow rate ranges from 75 to 230 liters per minute (lpm) (20 to 60 gallons per minute [gpm]) with an average flow rate of 190 lpm (50 gpm) (CH2M HILL 2003). The design flow rate is 285 lpm (75 gpm) (WHC 1991). The pipeline system is designed to ensure that no pressure surges or "water hammer" will take place during the operation of the pipeline.

1.4.5 Upgrades to the PC-5000 Transfer Pipeline

CH2M HILL (2007a) identified that the PC-5000 transfer pipeline encasement (containment) pipe from the 242-A Evaporator to the LERF basins was not pressure relief protected as part of ECN-847888. The PC-5000 encasement pipe is designed for 60 psi (41.4 N/cm^2) operating pressure. In order to help dry out atmospheric condensation from the encasement and enable leak detector probes to work properly, process air was connected from the 242-A air compressors to the PC-5000 encasement pipe via ECN-847888. There are two legs of compressed air piping from the compressors to the encasement pipe, one which directly supplies 100 psi air (68.9 N/cm^2), and one which reduces the pressure to 10 psi air (6.89 N/cm^2). ECN-847888 did not address the issue of pressure relief, nor did it add any pressure relief device to the air tie-in. If the 100 psi air supply was valved into the encasement, and if an isolation valve were closed on the LERF end of the encasement, the PC-5000 encasement pipe could be over pressurized beyond its rated 60 psi operating pressure and potentially damage the transfer line.

In order to overcome this problem, the following recommendations were made as part of CH2M HILL (2007a):

1. Add a rupture disc to the process air line before it enters the PC-5000 encasement pipe.
2. Remove the 100 psi (68.9 N/cm^2) leg of the compressed air piping so that the only air introduced to the containment pipe (encasement) is through the 10 psi (6.89 N/cm^2) leg. The rupture disc will serve as pressure relief in the event of a failure of the 10 psi (6.89 N/cm^2) pressure reducing valve.

Based on the recommendations, a rupture disc was installed in 2006 and the system returned to service. There are no other identified sources of over pressurization.

2.0 INTEGRITY ASSESSMENT OF THE PC-5000 TRANSFER PIPELINE

The assessment of the integrity of the PC-5000 transfer line system described in Section 1.4 was completed by reviewing the following items:

- Codes, design standards, and regulations
- Available design plans, as-built drawings, and construction specifications
- Operation and maintenance records
- Records of Visual Inspections by unit staff
- Test reports for leak testing
- Campaign process control plans and post run documents
- Waste characterization data
- Inspection records
- Records of previous integrity assessment
- Life extension study and implementation documents for unit upgrades
- RCRA Permit documentation

Based on the review of the above items, the integrity assessment for the PC-5000 transfer line is certified by an IQRPE in accordance with WAC 173-303-640(2). The following sections discuss specific considerations to ensure that the PC-5000 transfer pipeline system complies with the requirements of WAC 173-303-640(2).

2.1 Codes, Standards, and Regulations

Relevant codes, standards, and specifications for the PC-5000 transfer line were evaluated as part of this integrity assessment. The applicable codes and standards reviewed and evaluated as required in WAC-173-303-640(2), Assessment of Existing Tank Systems Integrity, are referenced throughout the body of the report. The 1993 IAR (WHC 1993) was prepared to meet the WAC 173-303-640(3)(a) requirements for assessment of new tank systems or components.

The design and installation of the transfer piping was controlled by the functional design criteria, standard architectural drawings, procurement specifications, and construction specifications as referenced in WHC (1993).

2.1.1 Procurement Specifications

WHC (1994) is a procurement specification (W-105-P1) for the piping. It cites the relevant codes, material requirements, fabrication, examination, installation and testing requirements for the Fiberglass Epoxy Resin Double Containment Piping Systems, and associated engineering for the 242-A Evaporator Condensate Interim Retention Basin. It also provides detailed requirements for fabrication of double containment and standard piping, engineering services and analysis, fabrication, installation and testing of piping, and field installation and testing of piping.

W-105-P1 addresses the following criterion.

- Applicable codes and standards documents
- General design requirements
- Environmental conditions
- Material requirements
- Piping system requirements
- Quality assurance requirements
- Appendix A - Engineering services to perform piping analysis of fiberglass reinforced pipe (FRP) piping system
- Appendix B – Table 1 – Pipe Designation M17
- Appendix C – Sketches for pipe fittings and details for instrument installation
- Appendix D – Effluent Characterization Data

2.1.2 Design Analysis Evaluation

WHC (1993) is the design analysis criterion document (WHC-SD-WM-ER-112). This document discussed each of the PC-5000 transfer line components. Though the evaluations were performed to meet the requirements of WAC-173-303-640(3) (Design and Installation of New Tank Systems) this assessment is equally applicable to WAC-173-303-640(2) (Assessment of Existing Tank System Integrity).

The following elements of the design analysis were reviewed in relation to the current conditions.

Vehicular Traffic. The pipe is capable of sustaining the Standard American Association of State Highway Transportation Officials (AASHTO) H20 S16 truck loading, 32,000 pounds (lbs) (14,545 kilograms [kg]) per axle at the minimum of depth of 2 feet (ft) (0.61 meter [m]) below grade recommended by the supplier, Fibercast Company. At one location under Canton Avenue (Figure 1.2), the top of the 6-inch encasement pipe is buried at 4-ft below street grade. The pipe buried at 4-ft is subject to lower stresses from vehicular traffic and, therefore, it will not fail from that cause. At other locations, the pipe is not expected to fail because the pipeline is buried deeper than 4-ft (1.2 m). The PC-5000 line is buried in an area not normally subject to vehicle traffic. With the exception of 2 locations where the pipe passes underneath designated, paved roads, vehicle traffic over the pipeline is limited and infrequent.

Buried Piping Strength. The piping strength was evaluated for the dead load (backfill) and live loads (vehicular traffic). The construction of the trench, selection of backfill materials, and compaction of the backfill were closely controlled to develop its full design strength for the dead load and live loads.

Floatation. The piping system was evaluated for floatation or dislodgement. The piping route does not cross any permanent or temporary streams or drainages. The depth to the water table along the route is nominally 165 ft (50.29 m). No perched water tables exist along the pipe route. Thus, the piping system is well above any saturated zones and floatation or dislodgement of the piping system is not a credible event.

Impact of the PC-5000 line on Pump P-C-100. A design analysis was performed to determine the impact of the PC-5000 transfer line on pump PC-100 (WHC 1991). A pipe system utilizing 3-inch (7.62 cm) diameter pipe provided free flow at 77 gpm (293 lpm).

As such, a flow rate of 75 gpm (285 lpm) is an acceptable flow rate and, therefore, 3-inch diameter pipe was recommended for the primary pipe.

Seismic Motions. The PC-5000 transfer line is not located in a seismic fault zone. However, the piping system was evaluated by Kaiser Engineers Hanford Company (KEH 1993) as part of Project W-105 (Calculation W105-111) for stress from seismic motions as per the criteria of Hanford Plant Standard Design Criteria (SDC) 4.1. It was concluded that the piping stresses are within allowable limits.

Settlement. Measures to prevent pipeline settlement are taken during the preparation of pipeline sand foundation and laying of the pipeline.

Thermal Expansion. The below grade piping system was designed to accommodate thermal expansion of the carrier pipe without the use of expansion loops or expansion joints for the temperature range 40°F to 120°F (4.44°C to 48.9°C). KEH (1993) performed the thermal analysis of the buried encasement pipe designated as 6-inch encasement (ENC-M17) between 242-A Building and LERF under the impact of soil friction forces. The results of this thermal analysis indicated that the thermal stresses in encasement pipes have adequate factor of safety (FS) compared to ultimate strength.

Frost Heave. Hanford Plant Standard SDC 4.1 requires the minimum depth of burial for foundations to be 30-inch (76.2 cm). Thirty inches of depth is the expected extent of frost heave in soil at the Hanford Site. The transfer piping is buried a minimum of 48-inch (122 cm) (4-feet [1.22m] to top of pipe). Frost heave is not expected to affect the integrity of the buried pipe.

2.1.3 Design Drawing Evaluation

Available design drawings and as-built drawings of the PC-5000 transfer line were reviewed (Table 2.1.1). The drawings were reviewed for materials of construction, specifications, and the codes applicable to the PC-5000 transfer line at the time of installation. The information gained from review of the available drawings was used for certification that the PC-5000 transfer line was suitable to contain Washington Dangerous Wastes (process condensate).

2.1.4 Design Standards Evaluation

This section provides an evaluation of the design standards for the PC-5000 transfer line in support of the integrity assessment report as required by Washington Administrative Code (WAC-173-303-640(2)).

The latest applicable codes were evaluated in order to determine if there were substantial or substantive changes from the codes and standards evaluated for the 1993 IAR.

The 1993 IAR (WHC 1993) included a design evaluation of the PC-5000 transfer pipeline at the time the system was constructed as required by WAC-173-303-640(3). The applicable documents at the time of design and installation were the functional design criteria, standard architectural drawings, procurement specifications, construction specifications, and engineering change notices.

The functional design criteria document (WHC 1991) is the design document. It cites federal and national codes and standards as controlling documents for the design,

installation, and documentation of the transfer piping. The relevant codes and standards (for the entire LERF project) are listed in Table 2.1.2.

The applicable standard architectural drawings for the PC-5000 transfer line are listed in Table 2.1.1 of this IAR. These drawings show the transfer pipe system components, locations, routes, and elevations.

KEH (1993) is the procurement specification for the transfer piping (W-105-P1). The principle design and fabrication standards cited are in this procurement specification.

Table 2.1.1 Drawing List for PC-5000 Transfer Line

Number	Sheet	Rev	Date ⁽¹⁾	Drawing Title	Notes
H-2-79590	1 of 1	3	6/20/1990	Civil Plan, Sections and Details Cell Basin Bottom Liner	
H-2-79591	1 of 1	3	6/20/1990	Civil Plan, Sections and Details Cell Basin Top Liner	
H-2-79592	1 of 3	3	6/20/1990	Civil Sections & Details Cell Basin	
H-2-79593	1 of 2	4	6/20/1990	Civil Plan Sections & Det Catch Basin	
H-2-79601	1 of 4	3	9/17/1998	P&ID 242-A Evaporator Legend	
H-2-79601	2 of 4	4	9/1/2000	P&ID Evaporator BLDG & XCY Piping	Note ⁽²⁾
H-2-79601	3 of 4	5	9/1/2000	P&ID 242-A Evap Retention Basins	Note ⁽²⁾
H-2-79602	2 of 3	4	9/1/2000	P&ID 242-A Evap Retention Basins	Note ⁽²⁾
H-2-79604	1 of 1	3	7/22/1998	Piping Plot & Key Plans 242-A Evap Cond Stream	
H-2-79605	1 of 1	3	9/17/1998	Piping Plan Sect & Det 242-A Evap Cond Stream	
H-2-79608	1 of 1	3	9/17/1998	Piping Plan Sect & Det 242-A Evap Cond Stream	
H-2-79609	1 of 1	3	6/17/1998	Piping Plans 242-A Evap Cond Stream	
H-2-79610	1 of 1	3	6/17/1998	Piping Plan Retention Basins	
H-2-79611	1 of 1	2	6/17/1994	Piping Plan Sections and Isometric 242-A Evap Stream	
H-2-79614	1 of 1	4	4/6/1998	Piping Plan Catch Basin	
H-2-79616	1 of 1	2	6/21/1994	Piping Sections Catch Basins 242AL-42-43-44	
H-2-79617	1 of 1	3	7/23/1998	Piping Sections Catch Basins 242AL-42-43-44	
H-2-79618	1 of 1	3	7/29/1998	Piping Details Catch Basins 242AL-42-43-44	
H-2-79619	1 of 2	4	6/29/1998	Piping, Portable Manifold Assembly Plans, Sect & Det	
H-2-79620	1 of 3	5	11/10/2003	Piping Elev Sections & Dets Leachate Pump Assembly	
H-2-79623	1 of 1	2	1/3/1994	Piping Profile 242-A Evap Cond Stream	
H-2-88766	1 of 5	10	7/27/2005	P&ID LERF Basin & ETF Influent Evaporator	
H-2-88766	2 of 5	12	7/22/2006	P&ID LERF Basin & ETF Influent Evaporator	
H-2-88766	3 of 5	13	7/22/2006	P&ID LERF Basin & ETF Influent Evaporator	
H-2-88766	4 of 5	15	7/22/2006	P&ID LERF Basin & ETF Influent Evaporator	
H-2-88766	5 of 5	1	11/1/2001	P&ID LERF Basin & ETF Influent Evaporator	
H-2-98990	1 of 2	13	7/21/2006	P&ID Process Condensate System	
H-2-98990	2 of 2	6	7/5/2005	P&ID Process Condensate System	

Notes:

⁽¹⁾ Date stamped or most recent date found in title block

⁽²⁾ VOID - See H-2-88766

Table 2.1.2 Functional Design Criteria Key Applicable Codes, Standards, DOE Orders and Washington State Administrative Codes for LERF Project

DOE Order 4700.1	Project Management System
DOE - RL Order RL 5440.1A	Implementation of the National Environmental Policy Act at the Richland Operations Office
DOE Order 5000.1	General Environmental Protection Program
DOE-RL Order RL 5480.1A	Environmental Safety and Health Program for Department Of Energy for Richland Operations
DOE Order 5480.1B	Environmental, Safety and Health Program for Department Of Energy Operations
DOE Order 5480.4	Environmental Protection, Safety and Health Protection Standards
DOE Order 5480.10	Contractor Industrial Hygiene Program
DOE - RL Order RL 5480.10A	Industrial Hygiene Program
DOE - RL Order RL 5480.4A	Environmental Protection, Safety, and Health Protection Standards for RL
DOE Order 5480.11	Radiation Protection For Occupational Workers
DOE-RL Order RL 5480.11A	Requirements For Radiation Protection
DOE Order 5481.1B	Safety Analysis and Review System
DOE Order 5481.1	Safety Analysis and Review System
DOE Order 5484.1	Environmental Protection Safety and Health Protection Information Reporting Requirements
DOE Order 5700.6B	Quality Assurance
DOE Order 5820.2A	Radioactive Waste Management
DOE Order 6430.1A	General Design Criteria
DOE - RL Order RL 6430.1C	Hanford Plant Standards
EPA 530 - SW - 85 - 014	Minimum Technology Guidance On Double Liner Systems For Landfills and Surface Impoundments - Design, Construction, and Operation
WAC 173 - 201, 1989	Water Quality Standards For Waters Of the State of Washington
Title 40 CFR 260 - 270	Resource Conservation and Recovery Act (RCRA), 1984
WAC 173 - 216, 1989	State of Washington Waste Discharge Permit
WAC 173 - 303, 1989	Washington Administrative Code (WAC), Dangerous Waste Regulations
WHC - EP - 0137, 1988	Best Available Technology Guidance Document For the Hanford Site
WHC - CM - 4 - 9, 1989	Radiological Design
<p>In addition to the above standards, applicable "National Consensus" Codes and Standards and pertinent state and local codes and standards shall be used. The latest edition of all codes and standards shall be used.</p>	

Source: Appendix A, WHC - SD - WM - ER - 112, REVISION 0

Fibercast Company, as system supplier, provided the following:

- Fabrication, examination, and testing the piping system in accordance with ANSI 631.3 for normal service.
- Certified that piping and piping components meet the requirements of the ANSI 631.3.
- The below-grade piping system capable accommodate thermal expansion of the carrier (inner) pipe without use of expansion loops or expansion joints for temperature range given in the W-105-P1 specifications.
- Carrier pipe supports and spacing in double containment system that meet strength requirements of ANSI 831.3 for deadweight, thermal, and seismic loads.

The pipe material met the following key requirements:

Pipe-centrifugally-cast fiberglass-reinforced epoxy thermoset resin pressure pipe (RTRP) as designated in American Society for Testing Materials (ASTM) D 2997 classification of RTRP Type II, Grade 1, Class C, and have a constant smooth IPS (iron pipe size) outside diameter.

Double Containment Fittings-compression or contact molded with integral sockets, and of the same resin system as the pipe. The fittings are factory assembled and include the inner carrier fittings and outer containment fitting as a single unit. Fittings have the same operation pressure as the piping.

The vendor submittals included the following:

- Certified results of pressure tests
- Engineering analysis and calculations
- Certified record of code compliance to ANSI B31.3
- Certified copy of ANSI B31.3 examinations and tests
- Installation instructions

Vendor's calculations are contained in tables in the vendor's product catalogs. (WHC 1993; Attachment 4 – Appendix C). The KEH (1993) engineering evaluation for buried piping seismic and thermal stresses is provided in Appendix D of the 1993 IAR (Project W-105, Calculation W105-111).

Kaiser Engineers Hanford Company incorporated Hanford Plant Standard SDC 4.1 design criteria into the procurement specification (WHC 1994).

2.2 Waste Characteristics of Process Condensate

Publication No. 94-114 (Ecology 1994), requires assessment of existing tank systems including ancillary equipment consider the characteristics of the waste being stored or treated (WAC 173-303-640(2) (c) (ii)). This section provides as evaluation of the dangerous wastes or treatment reagents that were placed in the PC-5000 transfer line.

The waste handled by the PC-5000 transfer line is primarily condensed vapors from the 242-A Evaporator process, known as process condensate. The process condensate is a

mixed waste stream transferred via the PC-5000 transfer line to the LERF unit for storage prior to treatment at the ETF unit.

The process condensate is a dilute aqueous solution with ammonia, volatile organics, and trace quantities of radionuclides and inorganic constituents. The process condensate is classified as a mixed waste because it contains radioactive components and is a listed waste (Ecology 2005). The process condensate is a listed waste because it is derived from a listed waste.

Table 2.2.1 lists the dangerous waste numbers assigned to the process condensate (Chapter 3, Part B Permit WA 789000967, Ecology 2005). The process condensate is regulated as a mixed waste due to the toxicity of ammonia (WT02) and because it is derived from the waste with a nonspecific source wastes F001 through F005 (Part A Permit, WA 7890008967, Ecology 2005). Multi-source leachate (F039) is included as a waste derived from nonspecific source waste F001 through F005.

The inorganic and organic characteristics of the process condensate are presented in Tables 2.2.2A, 2.2.2B, and Attachment G. Tables 2.2.A and 2.2.2B are derived from Tables 2.2.2C through 2.2.2G. Attachment G was derived from process condensate analytical data collected during the campaigns 1999 through 2007. The data presented in Tables 2.2.2A, 2.2.2B, and Attachment G are from three sources (tables are located at the end of Section 2.0):

- (i) WHC (1993) Appendix E, Effluent Characterization Data. Note that the actual source for these values is not documented.
- (ii) CH2M HILL (2003), Section 2.5.5.1 and Tables 2.8 and 2.9 for inorganic and organic concentrations in the process condensate, respectively. The data in these tables were derived during development of the process flow sheet. The flow sheet contains average sample values from three campaigns during the 1980s that resulted in a double shell slurry feed product. The flow sheet models a 30 percent waste volume reduction factor for feed near the upper limit for processing current feed stock.
- (iii) Compilation of process condensate analytical data collected during the campaigns between 1999 to 2007 through the Fluor Hanford Liquid Effluent Monitoring Information System (LEMIS) (CH2M HILL 2007). The database is described in WHC-SD-WM-PMP-007, 1993, Liquid Effluent Monitoring Information System Program Management Plan, Revision 1, Westinghouse Hanford Company.

The process condensate is a highly-alkaline liquid (pH = 9.77 to 11.04) with a specific gravity up to 1.0. The temperature of the process condensate pumped through PC-5000 transfer line is 27 °C to 43 °C (80 °F to 110 °F) (CH2M HILL 2003).

The baseline waste characteristics of the process condensate presented in Table 2.2.2A are from WHC (1993) Appendix E. Table 2.2.2B presents the waste characteristics of process condensate in the recent Documented Safety Analysis (DSA) (CH2M HILL 2003). The maximum detected result for each constituent from historical data (campaigns completed between 1999 through 2007) is presented in Attachment G. The primary chemical constituents are ammonia as Nitrogen (N), nitrogen in ammonium (NH₃-N), and 1-Butanol. Small quantities of inorganic and organic chemicals are also present. The data in Tables 2.2.2A, 2.2.2B, and Attachment G indicate that very low levels of chemicals are present in the process condensate samples.

Concentrations for each constituent in the process condensate were found to be within the discharge limits for organics in process condensate. No organic layer has been reported to be present in the process condensate stream. Ammonia concentrations are well below the limits of 13,600 mg/L and 10,000 mg/L for LERF ammonia industrial hazard and LERF ammonia extremely hazardous waste limit, respectively. Insignificant amount of organics were present in the process condensate stream and were several order of magnitude below the LERF liner limit.

Table 2.2.1 Waste Designation for Process Condensate

Waste number	Characteristic/Source	Basis for designation
F001	Spent halogenated solvents	Derived from F001 waste
F002	Spent halogenated solvents	Derived from F002 waste
F003	Spent nonhalogenated solvents	Derived from F003 waste
F004	Spent nonhalogenated solvents	Derived from F004 waste
F005	Spent nonhalogenated solvents	Derived from F005 waste
F039	Multi-source leachate from waste disposal operations	Future receipt of waste with the F039 number, derived from F001 through F005.

Source: Permit WA7890008967, Chapter 3 (Ecology 2005)

2.2.1 IQRPE Concurrence

The IQRPE concurs with the waste characteristics of process condensate handled by the PC-5000 transfer line meeting the waste acceptance requirements in the 242-A Evaporator portion of the Hanford Site RCRA Permit (Ecology 2005), the process condensate system specifications, and the basis of the associated specification as provided in HNF-SD-WM-DQO-014, *242-A Evaporator Data Quality Objectives*.

2.3 Waste Compatibility

Publication No. 94-114 (Ecology 1994), requires the assessment of existing tank systems (ancillary equipment) evaluate the waste characteristics for compatibility with materials used for tank system (WAC 173-303-640(2)).

The PC-5000 transfer line is a part of the ancillary equipment. Changes to the waste characteristics of the process condensate are evaluated for compatibility with the materials used for the PC-5000 transfer line.

The pipe material compatibility characteristics are provided in Tables 2.2.2A, 2.2.2B, and Attachment G. Vendor submittals included in the 1993 IAR (WHC 1993) demonstrate that the pipe material for the PC-5000 transfer line is compatible with the chemical properties identified in Table 2.2.2. No significant changes were noted in the chemical properties of the process condensate being processed since the pipeline became operational (see Attachment G) in comparison to the baseline characteristics for the process condensate depicted in Tables 2.2.2A and 2.2.2B.

In addition, the successful hydrostatic pressure decay test results support the conclusion that the pipe materials have not deteriorated due to the waste characteristics of process condensate handled by the PC-5000 transfer line.

2.3.1 IQRPE Concurrence

The IQRPE concurs that the pipe materials used and their current condition for the PC-5000 transfer line ensure that they are compatible with the wastes per the requirements of WAC 173-303-640(2)(c)(ii) based on baseline and actual analytical data for the process condensate and hydrostatic pressure decay test results..

2.4 Corrosion Assessment

This section discusses the corrosion evaluation performed to confirm the compatibility of the PC-5000 transfer line system materials with the potential corrosive environments. Review of the materials of construction and their current conditions for the PC-5000 transfer line system are evaluated to ensure that there are no corrosion impacts from the wastes being transferred per the requirements of WAC 173-303-640(2).

2.4.1 Corrosion Mechanisms

Several corrosion mechanisms were identified by (Ohland and Carlos 1993). The potential corrosion mechanisms were general corrosion (uniform corrosion), stress corrosion cracking, pitting corrosion, thermal fatigue, crevice corrosion, inter-granular corrosion, galvanic, aerobic, and erosion or erosion-corrosion. Except general corrosion, stress corrosion cracking, and erosion-corrosion, all other corrosion mechanisms harm metals but not fiberglass.

2.4.1.1 General (Uniform) Corrosion

General (uniform) corrosion is a function of the waste composition. The process condensate transferred through the PC-5000 piping system has varied compositions with low levels of organic and inorganic constituents (Table 2.2.3). The baseline average and maximum pH values for the process condensate were 10.1 and 11.3, respectively (Table 2.2.2A, Section 2.2). The minimum and maximum pH values for the process condensate samples collected during campaigns completed between 1999 through 2007 are 9.77 and 11.04, respectively, with an average pH value of 10.4. The process condensate waste streams processed in the past were in the alkaline range and the fiberglass epoxy pipe material used for the PC-5000 line provides superior corrosion resistance at this pH. The uniform corrosion rate is expected to be minimal.

2.4.1.2 Stress Corrosion Cracking

Fiberglass reinforced epoxy pipes under tensile stress are not susceptible to stress corrosion cracking (SCC) because it resists a wide range of chemicals and temperatures. In the presence of chloride ions, the minimum temperature required for cracking to occur is 50 to 60°C (122 to 140°F), above the normal operating temperature, 27°C to 43°C (80°F to 110°F) of the process condensate waste system. Other agents can also provide SCC in the fiberglass pipe (e.g. caustic solutions, fluoride ions, and polythionic acids) but these require either higher temperature (greater than 250 °F (121 °C), De Renzo (1986) or fully sensitized microstructures which do not exist in the process condensate waste stream. Consequently, SCC does not represent a potential failure mode for the PC-5000 transfer line system.

2.4.1.3 Erosion-Corrosion

There have been no known failures of primary piping (carrier piping) of the PC-5000 transfer line system due to erosion-corrosion at the 242-A Evaporator unit. This disposition is based on the following observation:

- The frequency of transfers that contain suspended solids is low. The average annual operating time that the PC-5000 transfer line was exposed to flowing waste was 23 days since it is operational (campaigns between 1994 and 2007). The minimum and maximum operating times ranged between 7 and 60 days. Table 2.5.1 summarizes the operation of the PC-5000 line.

- The fluid flow rate in the process condensate line was maintained between 75 and 230 lpm (20 to 60 gpm). This is less than the design flow rate of 285 lpm (75 gpm). The lower flow rate results in a lower fluid flow velocity, minimizing the potential for erosion-corrosion.
- The suspended solids concentrations are typically at low concentrations. The maximum concentration of total suspended solids in the process condensate from the past campaigns (campaigns completed between 1999 and 2007) was 1.2 mg/L. The design includes a 5-micron filter that maintains the solids concentrations in the process condensate at the low level noted.
- The fiberglass reinforced epoxy pipe material is highly resistant to abrasion from turbulent flows.
- The installed piping design minimizes line size changes and elbows, further limiting the potential for erosion-corrosion.

2.4.2 Environments

The corrosion evaluation compared the chemical resistance of the transfer line system with potentially corrosive environments found in the process. The environments evaluated included the process condensate and the various environments at Hanford which include:

- Process Condensate
- Hanford Soils

Process Condensate Environment. The most likely attack for the components in contact with the process condensate is crevice corrosion in the valves. However, there are only two valves within the boundary of the PC-5000 subsystem (HV-80W-001 and -002). They each have a stainless steel disc and a cast iron body that is lined with EPDM material which will preclude crevice corrosion cracking. Valves upstream of the PC-5000 subsystem will be evaluated in RPP-RPT-33306. Valves downstream of the LERF boundary fence are not within the scope of this assessment and should be evaluated by the LERF co-operator.

Hanford Soils Environment. There are no corrosion or degradation concerns with the Hanford soils for the portions of the PC-5000 transfer pipeline that are within the scope of this integrity assessment because the piping material contains no metal components exposed to soil corrosion.

2.4.3 Materials

The PC-5000 transfer line system is fabricated from centrifugally-cast fiberglass-reinforced epoxy thermoset resin manufactured as per ASTM D 2997 classification RTRP Type II Grade 1, Class "C". This material has a minimum 30 mil pure resin corrosion barrier and a constant smooth Iron Pipe Size (IPS-ANSI B36.10) (WHC 1993). The PC-5000 transfer pipeline has, therefore, protective from corrosion with waste being transferred. The PC-5000 transfer pipeline contains no metal components.

bonded) and methods of construction and chemistry control of the liquid waste environments. Fiberglass pipe systems are resistant to corrosion over their entire design life of 50 years against a variety of aggressive media such as caustics, acids, salts, solvents, and chemical process solutions up to a temperature of 250 °F (121 °C) (De Renzo 1986). Fiberglass-reinforced epoxy material used for the PC-5000 transfer line is a chemically inert material that is not expected to be degraded by the low concentration of waste constituents present in the process condensate and the current condition of the pipeline is fit for use for the expected life-cycle of the 242-A Evaporator unit and PC-5000 transfer line through 2034 (per ORP contract baseline).

2.4.5 IQRPE Concurrence

The IQRPE concurs that the PC-5000 transfer pipeline materials have the required corrosion resistance properties for the corrosion properties discussed and the environmental conditions evaluated to date.

2.5 Age of the 242-A PC-5000 Transfer Pipeline System

Construction on the PC-5000 transfer pipeline began in September 1990, and was essentially completed in January 1992.

The 242-A Evaporator historical campaign data indicates that the 242-A Evaporator restart in 1994 used the newly constructed PC-5000 transfer pipeline for transferring the process condensate to the LERF. The LERF began operation in April 1994 (Permit WA7890008967, Attachment 34.) Therefore, the PC-5000 line began service in 1994 and has been operational ever since. Prior to 2004, the PC-5000 transfer line was not part of the 242-A Evaporator unit boundary or subject to continuing IA testing.

The design life for this transfer pipeline was not documented in either in the 1993 IAR (WHC 1993) or in the Engineering Study for the 242-A Life Extension Upgrades for Fiscal Years 2002 thru 2005 (Fluor Hanford 2001).

Fiberglass pipes generally have a design life of 50 years (www.futurepipe.com). Resistance to corrosion in aggressive environments is one of the primary reasons for the use of fiberglass piping. The expected life-cycle of the 242-A Evaporator unit and PC-5000 transfer line is through 2034 (per ORP contract baseline) based on the evaluation of observed performance of the system to date, the operating history, hydrostatic pressure decay test (leak test) results, and the excellent anti-corrosion properties of fiberglass piping materials. The projected operation of the PC-5000 line of 40 years (1994 to 2034) is less than the typical life of 50 years.

2.6 Results of Visual Inspection

Visual inspection and system walk down of the PC-5000 Transfer Pipeline system and instrumentation was performed only at accessible areas for evidence of degradation or deformation. The visual inspection was performed in conjunction with the hydrostatic pressure testing described in Section 2.7. The visual inspection and walk down included a review for consistency with applicable architectural, structural, general arrangement, and piping and instrumentation drawings. Visual inspection also included a walk down to inspect the condition of the exposed piping and associated support structures and ancillary equipment at the 242-A Evaporator Building and at LERF Basin 43.

An initial walk down was conducted prior to the hydrostatic pressure decay (leak) testing to identify accessible and non-accessible components and to visually inspect for

evidence of degradation or deformation of components. A post walk down was conducted after the hydrostatic pressure decay (leak test) to visually inspect accessible joints and valves on the PC-5000 transfer pipeline for signs of leakage. B-1 lists the components visually inspected for the PC-5000 transfer pipeline prior to and after the hydrostatic leak test with the observations and comments. Attachment B-2 are clarifications offered for the comments on Attachment B-1. Visual inspection photographs are provided in Attachment F.

The visual examination found no indications of pipeline system degradation. Overall, the conditions of the visually inspected portions of the PC-5000 transfer line and its components were observed to be free from degradation.

All tests and procedures were developed and implemented in compliance Quality Assurance Program and Plans to the requirements of Nuclear Quality Assurance (NQA)-1.

2.7 Leak Testing of PC-5000 Transfer Pipeline

CH2M HILL operations personnel (the 242-A Evaporator unit operations contractor) developed the hydrostatic pressure decay test procedure and work package for evaluation and acceptance by the IQRPE prior to performing leak testing (Attachment C).

The PC-5000 transfer line hydrostatic pressure decay test system boundary and components are identified in Table 1.1.

The pressure decay test and visual inspections were performed by qualified personnel in accordance with the approved procedures developed using the guidelines of ASME Section XI, Division 1, Class 3 (1989): IWA-5240 "Visual Examination" (VT-2) and IWD-5000 "System Pressure Tests Visual Examination Methods" (VT-2). The documented test results and data sheets are provided in Attachment D.

CH2M HILL operations personnel performed the leak testing on September 14, 2007 as described in Attachment C. The test was witnessed by IQRPE designated QC Level II inspector. The acceptance criteria that leakage not exceed 2.5% per hour. The test was acceptable. The test results are documented in Attachment D. The certificate for personnel who performed the visual inspection is provided in Attachments E.

The IQRPE reviewed and accepted the test results.

2.7.1 Evaluation of Leak Testing Results

The leak test data and walk down inspection results were reviewed and signed by the 242-A System Engineer and Quality Assurance representative. Final disposition of the PC-5000 transfer pipeline system and components are acceptable based on the hydrostatic pressure decay (leak) tests and visual inspection results. No further evaluation is required.

The pressure reading on test manifold gauge was 52.15 psig at the start of the test and was 51.86 psig at the end of the test. The pressure decay was 0.28% per hour which is substantially less than the acceptable criterion of 2.5% per hour. The hydrostatic pressure decay test results and visual inspection data sheets did not indicate any leak or signs of deterioration at the PC-5000 line. The leak test duration was 2 hours and the result was that the system passed the test on the first attempt. Attachment B-1 includes

visual inspection observations before and after the leak test. Attachment D provides the pressure test results for the PC-5000 line.

Table 2.2.2 A Inorganic Waste Characteristics of Process Condensate

Parameter	Units	242A Evap PC Max ¹	Process Condensate ²				
pH	pH	11.3	10.00				
Sp.G	SpG	NA	1.00				
Temperature	°C	39	28.0				
Conductivity	S	5.90E+02	NA				
TDS	Mg/L	2.70E+00	3.40E-01				
Aluminate	Mg/L	NA	4.10E+01				
Aluminum	Mg/L	4.99E+00	NA				
Ammonia	Mg/L	NA	NA				
Ammonium	Mg/L	9.35E+03	2.30E+03				
Barium	Mg/L	8.00E-03	3.00E-02				
Barium	Mg/L	NA	NA				
Boron	Mg/L	1.51E-01	3.50E-02				
Cadmium	Mg/L	NA	3.10E-02				
Calcium	Mg/L	8.30E+00	1.9 E+00				
Carbonate	Mg/L	7.50E+02	2.4 E+01				
Chloride	Mg/L	2.30E+00	2.40E+01				
Chromium	Mg/L	1.56E-01	3.40E-02				
Copper	Mg/L	1.27E-01	1.50E-02				
Cyanide	Mg/L	NA	9.50E-02				
Fluoride	Mg/L	1.23E+01	4.30E-02				
Hydroxide	Mg/L	NA	1.40E+02				
Iron	Mg/L	5.03E-01	8.50E-02				
Lead	Mg/L	NA	4.60E+00				
Magnesium	Mg/L	3.67E+00	4.60E-01				
Manganese	Mg/L	NA	5.80E-02				
Mercury	Mg/L	6.90E-04	1.60E-02				
Molybdenum	Mg/L	NA	1.20E-01				
Nickel	Mg/L	1.70E-02	7.90E-02				
Nitrate	Mg/L	5.00E+00	6.10E+02				
Nitrite	Mg/L	NA	7.00E+01				
Phosphate	Mg/L	NA	1.00E+01				
Phosphorus	Mg/L	6.20E+00	9.60E+00				
Potassium	Mg/L	1.92E+01	1.00E+01				
Silicon	Mg/L	9.86E+02	5.90E-01				
Sodium	Mg/L	5.15E+01	1.60E+01				
Sulfate	Mg/L	1.30E+01	5.00E+00				
Sulfide	Mg/L	6.60E+01	NA				
Tungsten	Mg/L	NA	4.10E-01				
Uranium	Mg/L	NA	1.50E-01				
Vanadium	Mg/L	7.00E-03	NA				
Zinc	Mg/L	NA	9.60E-02				

Sources:

¹ WHC 1993.

² CH2M HILL 2003.

mg/L Milligrams per liter

Table 2.2.2 B - Organic Waste Characteristics of Process Condensate

Parameter	Units	242A Evap PC Max ¹	Process Condensate ²
TOC	mg/L	4.3E+03	2.6E+02
TOX (as Cl)	mg/L	NA	NA
1,1,1-Trichloroethene	mg/L	NA	NA
1,3,5-Trimethylbenzene	mg/L	NA	1.9E+02
1-Butanol	mg/L	8.8E+01	NA
2-Butanone	mg/L	1.2E-01	NA
2-Butoxyethanol	mg/L	9.2E-01	NA
2-Chloromethylhydroxymethyl-benzene	mg/L	NA	1.6E+01
2-Chloromethyl-o-xylene	mg/L	NA	2.9E+01
2-Hydroxymethylbenzoic acid	mg/L	NA	2.4E+00
2-Methyl, hydroxymethylbenzene	mg/L	NA	5.8E+01
2-Methylbenzoic acid	mg/L	NA	3.0E+00
2-Methylnonane	mg/L	1.7E-02	NA
2-Propenol	mg/L	3.9E-02	NA
3,5-Dimethylpyridine	mg/L	2.4E-02	NA
Acetone	mg/L	5.1E+00	NA
Alkyl, hydroxy-methyl benzene	mg/L	NA	1.1E-01
Benzaldehyde	mg/L	NA	NA
Benzyl Alcohol	mg/L	1.8E-02	NA
Butanedioic acid	mg/L	NA	3.6E+01
Butoxydiglycol	mg/L	2.7E-02	NA
Butoxyethanol	mg/L	NA	NA
Butoxyglycol	mg/L	8.1E-01	NA
Butoxytriethyleneglycol	mg/L	NA	NA
Butraldehyde	mg/L	2.3E-01	NA
Butylatedhydroxytoluene	mg/L	NA	NA
C3-Alkylbenzene	mg/L	NA	4.5E+02
Caproic Acid	mg/L	NA	NA
Chloroethyl, 2-hydroxymethyl, BA	mg/L	NA	1.1E+01
Chloroform	mg/L	2.7E-02	NA
Citric acid	mg/L	NA	1.3E+01
Dibutylphosphate	mg/L	NA	NA
Diethylphthalates	mg/L	NA	4.4E-02
Dimethylnitrosamine	mg/L	NA	NA
Dimethyltoluidine	mg/L	NA	4.7E+00
Diocetylphthalate	mg/L	NA	7.7E-02
Dodecane	mg/L	4.6E-02	NA
Dodecanoic acid	mg/L	NA	2.6E-03
ED3A	mg/L	NA	1.4E-03
EDTA	mg/L	NA	4.0E-03
Ethanedioic acid	mg/L	NA	3.5E+01
Ethoxytriethyleneglycol	mg/L	1.5E-01	NA
Ethyl alcohol	mg/L	NA	NA
Ethyl, 2-methyl-hydroxymethyl- benzenes	mg/L	NA	1.3E+00

Table 2.2.2 B Cont' - Organic Waste Characteristics of Process Condensate

Parameter	Units	242A Evap PC Max ¹	Process Condensate ²
Ethylbenzaldehyde	mg/L	NA	9.6E+01
Ethylxylene	mg/L	NA	1.4E-01
HEDTA	mg/L	NA	1.7E+00
Heptadecane	mg/L	NA	NA
Heptadecanoic acid	mg/L	NA	1.8E-02
Heptanedioic acid	mg/L	NA	2.8E-01
Hexadecane	mg/L	NA	NA
Hexadecanoic acid	mg/L	NA	9.4E-03
Hexanedioic acid	mg/L	NA	7.5E-03
Hexanoic acid	mg/L	NA	3.9E-01
Hydroxyacetic acid	mg/L	NA	1.0E+02
MAIDA	mg/L	NA	1.0E+01
Methoxydiglycol	mg/L	5.2E-02	NA
Methoxytriglycol	mg/L	3.7E-01	NA
Methyl n-butyl ketone	mg/L	7.9E-02	NA
Methyl n-propyl ketone	mg/L	1.2E-02	NA
Methylbenzaldehyde	mg/L	NA	6.3E+01
Methylene chloride	mg/L	1.8E-01	NA
Methyltoluidine	mg/L	NA	NA
MIBK (Hexone)	mg/L	6.8E-02	NA
MICEDA	mg/L	NA	5.4E-01
n-C22H46-C40H46	mg/L	NA	3.6E-02
Nitrilotriacetic acid	mg/L	NA	1.1E-01
Octadecanoic acid	mg/L	NA	3.2E-03
Pentadecane	mg/L	NA	NA
Pentadecanoic acid	mg/L	NA	6.0E-01
Pentanedioic acid	mg/L	NA	7.8E-03
Phenol	mg/L	NA	NA
Propylbenzene	mg/L	NA	3.2E+00
Pyridine	mg/L	NA	NA
Tetradecane	mg/L	4.4E-01	NA
Tetrahydrofuran	mg/L	1.7E-01	NA
Tributylphosphate	mg/L	NA	1.1E+00
Tridecane	mg/L	3.5E-01	NA
Triglyme	mg/L	NA	NA
Tri-n-butyl-(di-ol)-phosphate	mg/L	NA	5.4E-01
Undecane	mg/L	NA	NA
Unknown aliphatic HC	mg/L	NA	NA
Unknown ester	mg/L	NA	NA
Unknown ester	mg/L	NA	NA
Unknown phthalates	mg/L	NA	8.8E-02

Notes:

²CH2M HILL 2003

mg/L Milligrams per liter

Table 2.2.2 C All-ER-112 Waste Characteristics of Process Condensate

242A Evaporator PC					
Parameter	Units	Average	90% CL	Max	
Flow	gal/min	60		75	
Annual Flow	Mgal/yr	20			
Temperature	°C	27.9		39	
Conductivity	S	304		590	
pH	pH	10.1		11.3	
Ignitability	°F				
TOC	Ppb	42,024	218,415	4,292,000	
TOX (as Cl)	Ppb				
TDS	Ppb			2700	
Aluminum	Ppb	1295	1330	4992	
Ammonium	Ppb	482,311	311,344	9,350,000	
Ammonia	Ppb				
Barium	Ppb	6.8	7.2	8	
Boron	Ppb	65	97	151	
Calcium	Ppb	2600	2800	8300	
Carbonate	Ppb	98,000	104,347	750,000	
Chloride	Ppb	1000	1200	2300	
Chromium	Ppb	52	66	156	
Copper	Ppb	60	67	127	
Cyanide	Ppb				
Fluoride	Ppb	874	971	12273	
Iron	Ppb	112	131	503	
Magnesium	Ppb	122	153	3670	
Manganese	Ppb	5			
Mercury	Ppb	0.3	0.31	0.69	
Phosphorus	Ppb	1177	1336	6195	
Nickel	Ppb	14	15	17	
Nitrate	Ppb	2800	2292	5000	
Potassium	Ppb	5944	6495	19238	
Silicon	Ppb	15,616	24,252	985,819	
Sodium	Ppb	3586	4489	51,497	
Sulfate	Ppb	2600	2800	13000	
Sulfide	Ppb	36000	66,000	66,000	
Uranium	Ppb				
Vanadium	Ppb	6.3	6.7	7	
Zinc	Ppb				
Acetone	Ppb	980	1000	5100	
Benzyl Alcohol	Ppb	13	14	18	
Benzaldehyde	Ppb	23			
2-Butoxyethanol	Ppb	380	400	920	
Butoxyethanol	Ppb				
1-Butanol	Ppb	9800	11,000	88,000	

Table 2.2.2 C Cont' - All-ER-112 Waste Characteristics of Process Condensate

2-Butanone	Ppb	51	53	120		
Butoxyglycol	Ppb	280	290	810		
Butoxydiglycol	Ppb	19	44	27		
Butoxytriethyleneglycol	Ppb	35				
Butylatedhydroxytoluene	Ppb					
Butraldehyde	Ppb	56	62	230		
Chloroform	Ppb	14	14	27		
Caproic Acid	Ppb	70				
3,5-Dimethylpyridine	Ppb	21	23	24		
Dimethylnitrosamine	Ppb	57				
Dibutylphosphate	Ppb					
Dodecane	Ppb	43	52	46		
Ethoxytriethyleneglycol	Ppb	99	120	150		
Ethyl alcohol	Ppb	2				
Hexadecane	Ppb	17				
Heptadecane	Ppb	18				
Methoxydiglycol	Ppb	40	52	52		
Methoxytriglycol	Ppb	220	370	370		
Methylene chloride	Ppb	120	140	180		
Methyl n-propyl ketone	Ppb	9.3	9.7	12		
Methyl n-butyl ketone	Ppb	13	14	79		
MIBK (Hexone)	Ppb	11	14	68		
2-Methylnonane	Ppb	16	17	17		
Pentadecane	Ppb	20				
Phenol	Ppb	33				
2-Propenol	Ppb	22	24	39		
Pyridine	Ppb	550				
Tetradecane	Ppb	76	83	440		
Tetrahydrofuran	Ppb	37	39	170		
Tributylphosphate	Ppb	3900	4100	21,000		
1,1,1-Trichloroethene	Ppb	5				
Tridecane	Ppb	70	77	350		
Triglyme	Ppb	90				
Undecane	Ppb					
Unknown alphatic HC						
Unknown ester						
Unknown ester						

Table 2.2.2 C Cont' - All-ER-112 Waste Characteristics of Process Condensate

Notes:	
Mgal	millions of gallons
°C	degrees Celsius
gal/min	Gallons per minute
TDS	Total dissolved solids
Ppb	parts per billion
S	Microsiemen
pH	standard pH units
TOC	total organic carbon
Mgal/yr	Million gallosn per year
Source:	WHC 1993

Table 2.2.2 D - Inorganic-ER-112 Waste Characteristics of Process Condensate

Parameter	242A Evaporator PC				242A Evaporator PC			
	Units	Average	90% CL	Max	Units	Average	90% CL	Max
pH	pH	10.1		11.3	pH	10.1		11.3
Conductivity	S	304		590	S	304		590
Temperature	°C	27.9		39	°C	27.9		39
TDS	g/L			2700	mg/L			2.7
Aluminum	g/L	1295	1330	4992	mg/L	1.295	1.33	4.992
Ammonium	g/L	482,311	311,344	9,350,000	mg/L	482.311	311.344	9350
Ammonia	g/L				mg/L			
Barium	g/L	6.8	7.2	8	mg/L	0.0068	0.0072	0.008
Boron	g/L	65	97	151	mg/L	0.065	0.097	0.151
Calcium	g/L	2600	2800	8300	mg/L	2.6	2.8	8.3
Carbonate	g/L	98,000	104,347	750,000	mg/L	98	104.347	750
Chloride	g/L	1000	1200	2300	mg/L	1	1.2	2.3
Chromium	g/L	52	66	156	mg/L	0.052	0.066	0.156
Copper	g/L	60	67	127	mg/L	0.06	0.067	0.127
Cyanide	g/L				mg/L			
Fluoride	g/L	874	971	12273	mg/L	0.874	0.971	12.273
Iron	g/L	112	131	503	mg/L	0.112	0.131	0.503
Magnesium	g/L	122	153	3670	mg/L	0.122	0.153	3.67
Manganese	g/L	5			mg/L	0.005		
Mercury	g/L	0.3	0.31	0.69	mg/L	0.0003	0.00031	0.00069
Phosphorus	g/L	1177	1336	6195	mg/L	1.177	1.336	6.195
Nickel	g/L	14	15	17	mg/L	0.014	0.015	0.017
Nitrate	g/L	2800	2292	5000	mg/L	2.8	2.292	5
Potassium	g/L	5944	6495	19238	mg/L	5.944	6.495	19.238
Silicon	g/L	15,616	24,252	985,819	mg/L	15.616	24.252	985.819
Sodium	g/L	3586	4489	51,497	mg/L	3.586	4.489	51.497
Sulfate	g/L	2600	2800	13000	mg/L	2.6	2.8	13
Sulfide	g/L	36000	66,000	66,000	mg/L	36	66	66
Uranium	g/L				mg/L			
Vanadium	g/L	6.3	6.7	7	mg/L	0.0063	0.0067	0.007
Zinc	g/L				mg/L			
Notes:								
g/L	micrograms/L							

Source: WHC 1993

Table 2.2.2 E - Organic-ER-112 Waste Characteristics of Process Condensate

Parameter	242A Evaporator PC				242A Evaporator PC			
	Units	Average	90% CL	Max	Units	Average	90% CL	Max
TOC	g/L	42,024	218,415	4,292,000	mg/L	42.024	218.415	4292
TOX (as Cl)	g/L				mg/L			
Acetone	g/L	980	1000	5100	mg/L	0.98	1	5.1
Benzyl Alcohol	g/L	13	14	18	mg/L	0.013	0.014	0.018
Benzaldehyde	g/L	23			mg/L	0.023		
2-Butoxyethanol	g/L	380	400	920	mg/L	0.38	0.4	0.92
Butoxyethanol	g/L				mg/L			
1-Butanol	g/L	9800	11,000	88,000	mg/L	9.8	11	88
2-Butanone	g/L	51	53	120	mg/L	0.051	0.053	0.12
Butoxyglycol	g/L	280	290	810	mg/L	0.28	0.29	0.81
Butoxydiglycol	g/L	19	44	27	mg/L	0.019	0.044	0.027
Butoxytriethyleneglycol	g/L	35			mg/L	0.035		
Butylatedhydroxytoluene	g/L				mg/L			
Butraldehyde	g/L	56	62	230	mg/L	0.056	0.062	0.23
Chloroform	g/L	14	14	27	mg/L	0.014	0.014	0.027
Caproic Acid	g/L	70			mg/L	0.07		
3,5-Dimethylpyridine	g/L	21	23	24	mg/L	0.021	0.023	0.024
Dimethylnitrosamine	g/L	57			mg/L	0.057		
Dibutylphosphate	g/L				mg/L			
Dodecane	g/L	43	52	46	mg/L	0.043	0.052	0.046
Ethoxytriethyleneglycol	g/L	99	120	150	mg/L	0.099	0.12	0.15
Ethyl alcohol	g/L	2			mg/L	0.002		
Hexadecane	g/L	17			mg/L	0.017		
Heptadecane	g/L	18			mg/L	0.018		
Methoxydiglycol	g/L	40	52	52	mg/L	0.04	0.052	0.052
Methoxytriglycol	g/L	220	370	370	mg/L	0.22	0.37	0.37
Methylene chloride	g/L	120	140	180	mg/L	0.12	0.14	0.18
Methyl n-propyl ketone	g/L	9.3	9.7	12	mg/L	0.0093	0.0097	0.012
Methyl n-butyl ketone	g/L	13	14	79	mg/L	0.013	0.014	0.079
MIBK (Hexone)	g/L	11	14	68	mg/L	0.011	0.014	0.068
2-Methylnonane	g/L	16	17	17	mg/L	0.016	0.017	0.017
Pentadecane	g/L	20			mg/L	0.02		
Phenol	g/L	33			mg/L	0.033		
2-Propenol	g/L	22	24	39	mg/L	0.022	0.024	0.039
Pyridine	g/L	550			mg/L	0.55		
Tetradecane	g/L	76	83	440	mg/L	0.076	0.083	0.44
Tetrahydrofuran	g/L	37	39	170	mg/L	0.037	0.039	0.17
Tributylphosphate	g/L	3900	4100	21,000	mg/L	3.9	4.1	21
1,1,1-Trichloroethene	g/L	5			mg/L	0.005		
Tridecane	g/L	70	77	350	mg/L	0.07	0.077	0.35
Triglyme	g/L	90			mg/L	0.09		
Undecane	g/L				mg/L			

Table 2.2.2 E Cont' - Organic-ER-112 Waste Characteristics of Process Condensate

		242A Evaporator PC			242A Evaporator PC		
Unknown alphatic HC	g/L				mg/L		
Unknown ester	g/L				mg/L		
Unknown ester	g/L				mg/L		
Notes:							
g/L	micrograms/L						
TOC	total organic carbon						
TDS	Total dissolved solids						

Source:

WHC 1993

Table 2.2.2 F - Inorganic Concentrations In Process Condensate

Inorganic Constituent	Concentration (mg/L)
pH (unit less) ¹	10.00
Sp.G (uni less) ¹	1.00
Temperature ¹	82.4 ^o F (28 ^o C)
TDS ¹	3.40E-01
Aluminate	4.1 E+01
Ammonium	2.3 E+03
Barium	3.0 E-02
Boron	3.5 E-02
Calcium	1.9 E+00
Cadmium	3.1 E-02
Carbonate	2.4 E+01
Chloride	2.4 E+01
Chromium	3.4 E-02
Copper	1.5 E-02
Cyanide	9.5 E-02
Fluoride	4.3 E-02
Iron	8.5 E-02
Hydroxide	1.4 E+02
Lead	4.60E+00
Magnesium	4.6 E-01
Manganese	5.8 E-02
Mercury	1.60E-02
Molybdenum	1.20E-01
Nickel	7.9 E-02
Nitrate	6.1 E+02
Nitrite	7.0 E+01
Phosphate	1.0 E+01
Phosphorus	9.6 E+00
Potassium	1.0 E+01
Silicon	5.9 E-01
Sodium	1.60E+01
Sulfate	5.0 E+00
Tungsten	4.1 E-01
Uranium	1.5 E-01
Zinc	9.6 E-02

Note:1 Values are from Table 2B-1, Appendix 2B of CH2M HILL 2003;
All other values are from Table 2.8, Chapter 2 of CH2M HILL 2003

Table 2.2.2 G - Organic Concentrations in Process Condensate

Organic Constituent	Concentration (mg/L)	
TOC	2.6E+02	
Acetone	1.0E+02	Note 1
Alkyl, hydroxy-methyl benzene	1.1E-01	Note 1
Butanedioic acid	3.6E+01	Note 1
C3-Alkylbenzene	4.5E+02	Note 1
Chloroethyl, 2-hydroxymethyl, BA	1.1E+01	Note 1
2-Chloromethylhydroxymethylbenzene	1.6E+01	Note 1
2-Chloromethyl-o-xylene	2.9E+01	Note 1
Citric acid	1.3E+01	Note 1
Diethylphthalates	4.4E-02	Note 1
Dimethyltoluidine	4.7E+00	Note 1
Diethylphthalate	7.7E-02	Note 1
Dodecane	5.5E-01	Note 1
Dodecanoic acid	2.6E-03	Note 1
Ethanedioic acid	3.5E+01	Note 1
Ethyl, 2-methyl-hydroxymethylbenzenes	1.3E+00	Note 1
Ethylbenzaldehyde	9.6E+01	Note 1
ED3A	1.4E-03	Note 1
EDTA	4.0E-03	Note 1
Ethylxylene	1.4E-01	Note 1
Heptadecanoic acid	1.8E-02	Note 1
Heptanedioic acid	2.8E-01	Note 1
Hexadecanoic acid	9.4E-03	Note 1
Hexanedioic acid	7.5E-03	Note 1
Hexanoic acid	3.9E-01	Note 1
Hydroxyacetic acid	1.0E+02	Note 1
2-Hydroxymethylbenzoic acid	2.4E+00	Note 1
Methylbenzaldehyde	6.3E+01	Note 1
2-Methylbenzoic acid	3.0E+00	Note 1
2-Methyl, hydroxymethylbenzene	5.8E+01	Note 1
Methyltoluidine	1.8E-01	Note 1
n-C22H46-C40H46	3.6E-02	Note 1
HEDTA	1.7E+00	Note 1
MAIDA	1.0E+01	Note 1
MICEDA	5.4E-01	Note 2
Nitrilotriacetic acid	1.1E-01	Note 2
Octadecanoic acid	3.2E-03	Note 2

Table 2.2.2 G Cont' - Organic Concentrations In Process Condensate

Organic Constituent	Concentration (mg/L)	
Pentadecane	4.8E-02	Note 2
Pentadecanoic acid	6.0E-01	Note 2
Pentanedioic acid	7.8E-03	Note 2
Propylbenzene	3.2E+00	Note 2
Tetradecane	3.8E-01	Note 2
Tributylphosphate	1.1E+00	Note 2
Tri-n-butyl-(di-ol)-phosphate	5.4E-01	Note 2
Tridecane	1.8E+00	Note 2
1,3,5-Trimethylbenzene	1.9E+02	Note 2
Undecane	8.3E-01	Note 2
Unknown phthalates	8.8E-02	Note 2

Reference: CH2M HILL 2003

EDTA - ethylenediaminetetraacetic
acid.

HEDTA -
hydroxyethylenediaminetriacetic
acid.

Table 2.5.1 – 242 A Historical Campaign Data – 1994 - 2007

CAMPAIGN	Post-Campaign Reports / RMIS No.	SCHED START	ACT START	FINISH	DURATION* (days)	FEED VOL. (kgal)	SLURRY VOL. (kgal)	TARGET \$pG	ACTUAL \$pG	BEFORE FLUSH WVR (kgal)	AFTER FLUSH WVR (kgal)	BEFORE FLUSH WVR%	AFTER FLUSH WVR%	TARGET WVR%	OPER EFF	OPERATING / EFFICIENCY COMMENTS
1994-01	SD-WM-PCP-009 (PCP)	NA	4/15/1994	6/14/1994	60	2,870	477.0	1.25-1.30	0.00	2,393.0	0.0	83.0%	0.0%	0.0%	73.0%	Major problems encountered during the run including: 1) high de-entrainment pad dPs caused by foaming; 2) condensate P-C100 failure; and 3) IX column dPs and efficiency.
1994-02	WHC-SD-WP-PE-054	NA	9/22/1994	11/19/1994	57	3,210	392.0	1.10 - 1.13	0.00	2,818.0	0.0	87.0%	0.0%	0.0%	94.0%	Only 68 hours of unplanned downtime.
1995-01	WHC-SD-WP-PE-055	NA	6/6/1995	7/27/1995	49	2,470	278.0	1.34	0.00	2,192.0	0.0	87.6%	0.0%	0.0%	86.0%	Only 145 hours of unplanned downtime. Campaign preceded by a cold run.
1996-01	WHC-SD-WP-PE-056	NA	5/6/1996	5/26/1996	20	1,260	429.0	1.29	0.00	1,120.0	0.0	88.5%	0.0%	0.0%	98.5%	Only 6 hours of unplanned downtime.
1997-01	HNF-SD-WP-PE-057	NA	2/26/1997	4/3/1997	37	1,040	670.0	1.29	0.00	370.0	0.0	32.7%	0.0%	0.0%	28.8%	Evaporator available 81.6%; problems with TF process pH jumper reduced operating efficiency to 28.8%. Evidence of a cold run (see RMIS #D197204499).
1997-02	SD-WM-PCP-014 (PCP)	NA	8/15/1997	10/2/1997	18	913	482.1	0.00	0.00	528.0	482.1	52.8%	52.8%	0.0%	0.0%	No post-run document located in RMIS. Data provided by M. Bowman based on engineering log entries.
1998-CR	HNF-3382		8/13/1998	8/25/1998	12					0.0	0.0	0.0%	0.0%	0.0%		1998 Campaign was a cold run. No impact on total WVR
1999-01	HNF-5181	NA	7/24/1999	8/13/1999	20	1,010	158.0	1.35	0.00	852.0	0.0	15.6%	0.0%	0.0%	76.0%	Only 112 hours of unplanned downtime.
2000-01	HNF-5997 (PCP)	NA	4/20/2000	5/5/2000	15	1334	622.9	1.42	1.38	711.1	682.9	32.7%	0.0%	0.0%	99.3%	Performed cold run immediately prior to hot campaign. Demonstrated cascade feed from AP-108 to AW-102
2001-01	HNF-8588	NA	3/4/2001	3/29/2001	25	840				681.7	645.0	81.0%	77.0%	0.0%	86.0%	Performed 12-day cold run immediately prior to hot campaign. Two (2) pass campaign planned but due to plugged transfer line from AW-106, PCP revised to allow 1 pass and to reduce target post flush WVR from 88% to 77%.
2002-01	FH-0202362 (closeout letter)	NA	3/27/2002	4/5/2002	10	0	0.0	0.00	0.00	0.0	0.0	0.0%	0.0%	0.0%	0.0%	Cold Run.
2002-02	HNF-12204	NA	11/7/2002	11/22/2002	17	1,018	602.0	NA	0.00	413.5	384.2	41.0%	38.0%	38.0%	0.0%	
2003-01	HNF-13061 (PCP)	NA	1/8/2003	1/17/2003	10	1,074	752.0	NA	0.00	307.4	281.7	29.0%	26.0%	25.0%	0.0%	
2003-02	HNF-14803 (PCP)	NA	2/26/2003	3/5/2003	8	966	685.0	NA	0.00	278.2	243.1	29.0%	25.0%	25.0%	0.0%	
242-A Evaporator Facility Transferred from TH to TFC on May 23, 2003. PC-5000 permit boundary changed 2004.																
2003-03	RPP-16514 (PCP)	8/5/2003	6/28/2003 07/05/03	06/30/03 07/12/03	13	1,194	697.0	NA	0.00	496.4	464.6	42.0%	39.0%	40.0%	70.0%	Shutdown required to complete feed transfer and switch slurry tanks. No unplanned feed shutdowns.
2003-04	RPP-16916 (PCP)	8/13/2003	8/28/2003	9/3/2003	7	604.3	414.2	NA	0.00	165.3	138.1	27.4%	22.5%	20.0%	84.0%	Unplanned shutdown required for AP-arm electrical problems, and to flush plugged dip tubes.

Table 2.5.1 – 242 A Historical Campaign Data – 1994 - 2007

CAMPAIGN	Post-Campaign Reports / RMS No.	SCHED START	ACT START	FINISH	DURATION* (days)	FEED VOL. (kgal)	SLURRY VOL. (kgal)	TARGET SpG	ACTUAL SpG	BEFORE FLUSH WVR (kgal)	AFTER FLUSH WVR (kgal)	BEFORE FLUSH WVR%	AFTER FLUSH WVR%	TARGET WVR%	OPER EFF	OPERATING / EFFICIENCY COMMENTS
2004-01	RPP-21925 PER-2004-1902	2/21/2004	3/16/2004	4/2/2004	18	974.2	780.2	1.46	1.43	194.0	183.6	19.9%	16.8%	19.0%	55.0%	Efficiency impacted by 2 Tank Farm TSR violations (AC 5.11 and AC 5.9), numerous alarm and dip tube plugging conditions that required RECIRC and flush, and by high solids when at target SpG. SpG reduced from 1.46 to 1.43 to eliminate solids. Schedule delay due to identification of AC 5.9 issues in the designated slurry receiver tank (AW-106) which required evaluation and subsequent change of the slurry tank.
2005-01	RPP-PLAN-23668 (PCP) PER-2005-2831 Internal Letter 77100-MRC-05-011	3/26/2005	3/17/2005	3/30/2005	10	519.3	328.1	1.42	1.42	166.7	156.3	36.0%	30.1%	33.0%	70.0%	Efficiency does not include 3 days after MODE change and before initiating feed delivery. Efficiency impacted by 2 Tank Farm TSR violations (AC 5.11), miscellaneous alarm conditions and loss of compressed air.
2006-CR	RPP-PLAN-27610 (PCP) PER-2006-1298 Internal Letter 77500-VLW-06-001	3/15/2006	3/22/2006	4/5/2006	15	0	0.0	0.00	0.00	0.0	0.0	0.0%	0.0%	0.0%	100.0%	15-Day Cold Run Campaign to support NCO training, SM proficiency, and equipment operability evaluation. Performance Based Incentives FY2006 FBI-6.5(a) and 6.5(b) met.
2005-01	RPP-31420 (draft)	11/5/2006	8/29/2006	9/10/2006	12	553.4	285.2	1.42 / 1.40	1.42 / 1.39	271.2	238.2	49.0%	43.0%	47.0%	93.0%	Campaign completed processing balance of waste remaining from Campaign 05-01 (AP-107 waste); slurry to AP-103 at 1.42 SpG and to AP-108 at 1.39 SpG. Slurry Volume: AP-103, 247.8kgal; AP-108, 37.4kgal
2007-01	TBD	8/4/2007	8/26/2007	7/22/2007	29	2162	0.0	1.33	1.33	699.0	699.0	67.0%	67.0%	60.0%	87.0%	07-01 was performed back to back with 07-02. Waste feed (1081kgal) was recirculated to AW-102 until the target WVR was achieved. No slurry produced. Feed for 07-02 was subsequently blended with the residual waste remaining in AW-102 and processed as 07-02. Integrity test of C-100 performed during 07-01 campaign.
2007-02	TBD	8/30/2007	8/4/2007	9/3/2007	32	1568	845.0	1.39 (AP-103) 1.41 (AP-104)	1.41	517.0	517.0	39.5%	39.0%	35.0%	52.0%	Feed volume includes volume staged in AP-104 candidate feed tank plus residual waste in AW-102 following completion of 07-01. Slurry to AP-103 and AP-104. Process numbers are skewed due to blending of campaigns. See preliminary campaign report for details of each campaign and cumulative values. Integrity test of C-A-1 and recirculation system performed prior to 07-02 shutdown.
Running Totals					494	25,580	8,907.7			18,672.5						

* Campaign durations are based on changing from SHUTDOWN or REPAIR to OPERATE MODE, and do not include pre-start activities.

3.0 CONCLUSION

The PC-5000 waste transfer piping has sufficient strength and compatibility with the wastes (process condensate) and will not collapse, rupture, or fail during its service life through the expected life-cycle of 2034 (per ORP contract baseline) for the 242-A Evaporator unit and PC-5000 transfer line based on the following:

- The performance of the PC-5000 process condensate transfer pipeline, both the primary and secondary pipes, was evaluated. In general, the transfer pipeline has performed acceptably for over 12 years.
- The performance of the fiberglass piping for PC-5000 is expected to continue for more than the projected life cycle of the PC-5000 system of 40 years (1994 to 2034) which is less than the typical life of 50 years for fiberglass pipe materials.
- The design, procurement, and construction of the transfer pipeline were carefully controlled by approved WHC and KEH procedures, quality control inspections, and acceptance inspections ensuring that the pipeline is structurally sound for the intended purposes.
- Records of compliance with national codes and the inspection records during construction are kept on file for immediate reference.
- Records of daily logs, operation and maintenance procedures, and scheduled inspection records are kept on file to ensure that the transfer pipeline is operating without leakage or failure.
- Adequate controls through administrative procedures are in-place to ensure that the transfer pipeline will be operated within its design basis and in compliance with the WAC.
- Leak testing results indicated NO DETECTABLE LEAKS attesting to its integrity.
- The visually inspected portions of the PC-5000 transfer line and its components are in satisfactory condition and free from degradation.

Equivalent Leak Detection Recommendation

Currently, the automatic leak detection system for the PC-5000 transfer line is not operational. The Permit identifies approved leak detection methods as being electronic continuous monitoring OR visual inspection at identified periods. The equivalent leak detection (visual inspection at the LERF end of the line) has been utilized since 2003. It is recommended that CH2M HILL make the automatic leak detection system operational.

4.0 RECOMMENDED SCHEDULE FOR FUTURE INTEGRITY ASSESSMENTS

An integrity assessment (WHC 1993) was conducted in 1993 for the PC-5000 transfer pipeline to the requirements of the WAC-173-303-640(3) for design and installation of new tank systems or components. That IAR indicated that the assessment was applicable for a five calendar year period. It also stated that a schedule for integrity assessments would be determined if the life of the transfer piping was extended beyond five calendar years of operation.

The PC-5000 transfer pipeline is currently intended to be in service for the extended life of the 242-A Evaporator unit through the year 2034. A schedule is, therefore, recommended in this IAR based on the results of this and past integrity assessments, the age of the pipeline, materials of construction, characteristics of the waste being transferred, the results of the hydrostatic pressure decay test conducted for this IAR, visual inspection results and walkdown of accessible portions of the PC-5000 transfer piping system.

The IQRPE recommends that the next integrity assessment for the PC-5000 transfer line be performed no later than 10 years after submittal of this IAR. This recommendation is based on the results of the hydrostatic pressure decay (leak) test, current service life of the pipeline, waste characteristics of process condensate, compatibility of the pipeline material, and its design and operational data. The following recommendations are made to ensure pipeline integrity and preclude the potential for failure until the next integrity assessment.

- As practiced in the past campaigns, control and monitor operating parameters such as fluid flow velocity, pressure in the line, fluid characteristics such as temperature, pH, and concentrations of inorganic and organic constituents to ensure that design basis criteria are not exceeded and corrective action is implemented where needed.
- Maintain configuration control and update drawings and specifications for the PC-5000 transfer pipeline system valves and piping configuration.
- Implement Project E-528 Trace-Tek Leak Detection System Upgrade project. Until then, the RCRA permit has an identified and approved equivalent means to leak detection using visual inspection.
- Radiation has the potential to damage the fiberglass reinforced epoxy pipeline. The radiation dose to pipe materials and valves should be evaluated in a separate assessment to ensure that the pipe material is resistant to the reported levels of radionuclides present in the process condensate.
- Prepare a life-cycle extension document for the PC-5000, supplemental to the 242-A Evaporator Life-extension Study.

5.0 INTEGRITY ASSESSMENT CERTIFICATION

This IAR is stamped and signed by a registered professional engineer in the State of Washington, and is accompanied by the following certification statement:

The PC-5000 transfer pipeline System has been reviewed by the IQRPE. System design, construction, operation and maintenance, and current conditions have been assessed based on the reviews and inspections described herein, and have been determined to be in compliance with the applicable sections of WAC 173-303-640 and the RCRA Permit. This conclusion is based on a review of the documents, inspections, and test results described herein. The certification below is in accordance with the requirements of WAC 173-303-640(2)(c) and WAC 173-303-810(13)(a).

Report Lead IQRPE:

"I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations."

PE seal



6.0 REFERENCES

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ATTACHMENT A
FIBERCAST LETTER
(1 PAGE)

• 06-21-1993 18:31

0063657473

FIBERCAST, SAND SPRINGS

WHC-SD-MM-ER-112

REVISION 0

P.01/01

Fibercast Company
 P.O. Box 988
 Sand Springs, Oklahoma 74063-0988
 (918) 248-8861 Telex 49-7403



Fibercast

May 21, 1993

KAISER ENGINEERING HANFORD COMPANY
 P. O. Box 888
 Richland, WA 99352

Attention: Ms. Penny Harvey

Gentlemen:

SUBJECT: Your Inquiry No. K31674-22

We certify that the epoxy piping we supplied for this project is compatible for use with the chemicals listed in ECN 251.⁴⁰

We do not expect the concentrations of the chemicals listed in ECN 251 to damage the piping.

Very truly yours,

R. A. Sparks
 General Manager and
 Vice President, Quality Assurance

RAS/cd

cc: David M. Neenan
 Carl E. Martin

* ECN 251 - Engineering Change Notice 251 updated the effluent characterization data in Appendix D of the procurement specifications (W-105-P1, Rev. (0)) to match data in the functional design criteria (WHC-SD-W105-FDC-0012, REV(1)). (by W.J. KARWOSKI)

E-2

ATTACHMENT B-1

PC 5000 LINES PRE- AND POST TEST PHOTOGRAPHS REVIEW

(7 PAGES)

PC 5000 Lines Pre- and Post Test Photographs Review

S.No.	Photo ID	Observations of General Conditions/ Leak	Recommendations	Discussion of recommendations
				(what needs to be clarified to resolve if not "No Recommendation")
1	Before PT	Satisfactory;	No Recommendation	
2	Before PT 60M.04A.1	Satisfactory; appears washer misaligned	No Recommendation	
3	Before PT 60M.04A.2	Satisfactory; appears washer misaligned	No Recommendation	
4	Before PT 60M.43.p	Satisfactory	No Recommendation	
5	Before PT HV.43.3	Satisfactory	No Recommendation	
6	Before PT HV.43.4	Satisfactory	No Recommendation	
7	Before PT HV.43.5	Satisfactory	No Recommendation	
8	Before PT Misc. Valves, Catch Basin 1	Satisfactory, possible paint chips and discolorations on left pipeline, foreground tee.	Provide clarification on condition of insulation	Provide clarification concerning the condition of the line at the indicated location. If the indicated defects are not corrosion (i.e. merely surface dust or dirt), then we can change this to "No recommendation"
9	Before PT Misc. Valves, Catch Basin 2	Satisfactory, possible paint chips and discolorations, same location as S.No. 9, different view.	Provide clarification on condition of insulation	Provide clarification concerning the condition of the line at the indicated location. If the indicated defects are not corrosion (i.e. merely surface dust or dirt), then we can change this to "No recommendation"
10	P7210002a-926199	Satisfactory	No Recommendation	
11	Pre test1	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; We would like to know the location of the photo so we know the relevance/relationship of this location relative to the other photographs.

12	Pre test2	Inside satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; We would like to know the location of the photo so we know the relevance/relationship of this location relative to the other photographs.
13	Pre test3	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; We would like to know the location of the photo so we know the relevance/relationship of this location relative to the other photographs.
14	Pre test4	Inside cable appears stained; central string.	Explain staining on cable and purpose of central cable (attached to center of riser cover)	We need to understand the purpose of the cable attached to the 6-inch riser cover and why it appears to be stained (i.e. whether this is because of weathering or related to secondary containment) in order to finalize our recommendations concerning this photo; Please also provide the location of the photo and/or identification of the riser.
15	Pre test5	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser
16	Pre test6	General conditions satisfactory; Inside of riser encasement cover stained.	Explain staining on inside surface of approx 12-inch riser encasement cover	We have no recommendation regarding the general conditions; there appears to be either staining, condensation or black material running down the inside of the riser encasement cover. Provide an explanation of what this is. If it is not related to the PC line or secondary containment, we can change this to "No recommendation"; Please provide location and/or identification of riser
17	Pre test7	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records
18	Pre test8	Satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records
19	Pre test9	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records

20	Pre test10	General conditions satisfactory; Inside of riser encasement cover stained.	Explain staining on inside surface of approx 12-inch riser encasement cover	We have no recommendation regarding the general conditions; there appears to be either staining, condensation or black material running down the inside of the riser encasement cover. Provide an explanation of what this is. If it is not related to the PC line or secondary containment, we can change this to "No recommendation"; Please provide location and/or identification of riser
21	Pre test11	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records
22	Pre test12	Satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records
23	Pre test13	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide location and/or identification of riser for our records
24	Pre test14	General conditions satisfactory; Inside of riser encasement cover stained.	Explain staining on inside surface of approx 12-inch riser encasement cover	We have no recommendation regarding the general conditions; there appears to be either staining, condensation or black material running down the inside of the riser cover (manhole lid). Provide an explanation of what this is. If it is not related to the PC line or secondary containment, we can change this to "No recommendation"; Please provide location and/or identification of riser
25	Pre test15	Top satisfactory	No Recommendation	We have no recommendation regarding the conditions or leaks; Please provide the location and/or identification of where photo is taken for our records
26	Pre test16	Inside of riser not shown	No Recommendation	Provide location and/or identification of where photo is taken
27	Pre test17	Top not seen	Location of photo required	Location is known d/t sign in photo, but relationship to previous or following photos is not understood; location/relevance of photo is required to determine appropriate recommendation
28	Pre test18	Inside of riser not shown; cover different	No Recommendation	Provide location and/or identification of risers
29	Pre test19	Top satisfactory	No Recommendation	Provide location and/or identification of risers

30	Pre test20	Satisfactory; central string	Explain purpose of central cable	Provide location and/or identification of risers
31	Pre test21	Top not visible	No Recommendation	Provide location and/or identification of risers
32	Pre test22	Satisfactory	No Recommendation	Provide location and/or identification of risers
33	Pre test23	Top satisfactory	No Recommendation	Provide location and/or identification of risers
34	Pre test24	Inside satisfactory	No Recommendation	Provide location and/or identification of risers
35	Pre test25	Top not visible	No recommendation	Provide location and/or identification of risers
36	Pre test26	Inside satisfactory; inner surface of outer riser cover not visible	No recommendation	Provide location and/or identification of risers
37	Pre test27	Top not visible	No recommendation	Provide location and/or identification of risers
38	Pre test28	Inside satisfactory;	No recommendation	Provide location and/or identification of risers
39	Pre test29	Top not visible	No recommendation	Provide location and/or identification of risers
40	Pre test30	Inside satisfactory; inner surface of outer riser cover not visible	No recommendation	Provide location and/or identification of risers
41	Pre test HV-43-2.a	Satisfactory; inside of bucket dirty	Explain dirt present in bucket	No recommendation regarding general conditions; Explain where dirt came from that is observed in the bucket in the photo (i.e. whether it is relevant to the test)
42	Pre test HV-43-2.b	Satisfactory; inside of bucket dirty	Explain dirt present in bucket	No recommendation regarding general conditions; Explain where dirt came from that is observed in the bucket in the photo (i.e. whether it is relevant to the test)
43	Pre test HV-RC3-3	Satisfactory	No recommendation	
44	Pres test of valves.a	Satisfactory	No recommendation	
45	Pre test set up	Satisfactory	No recommendation	
46	Post test equipment.a	Satisfactory	No recommendation	
47	Post test equipment.b	Satisfactory	No recommendation	

48	Post test exposed PC5000lines.a	Satisfactory	No recommendation	
49	Post test exposed PC5000lines.b	Satisfactory	No recommendation	
50	Post test Valve HV-43-2.a	Satisfactory; no leak found	No recommendation	
51	Post test Valve HV-43-2.b	Satisfactory; no leak found	No recommendation	
52	Post test Valve HV-43-2.c	Satisfactory; no leak found	No recommendation	
53	Post test Valve HV-RC3-3	Satisfactory; no leak found	No recommendation	
54	Post test valves.a	Satisfactory; no leak found	No recommendation	
55	Post test valves.b	Satisfactory; no leak found	No recommendation	
56	Post test valves.d	Satisfactory; no leak found	No recommendation	
57	Post test valves.e	Satisfactory; no leak found	No recommendation	
58	Post test valves.f	Satisfactory; no leak found	No recommendation	
59	Post test valves.g	Satisfactory; no leak found	No recommendation	
60	Post test valves.h	Satisfactory; no leak found	No recommendation	
61	Post test valves.i	Satisfactory; no leak found	No recommendation	

62	Post test valves.j	Satisfactory; no leak found	No recommendation	
63	Post test valves.k	Satisfactory; no leak found	No recommendation	
64	Post test valves.l	Satisfactory; no leak found	No recommendation	
65	Post test valves.m	Satisfactory; no leak found	No recommendation	

ATTACHMENT B-2

PRE-TEST PHOTOGRAPHS REVIEW

(1 PAGE)

Resolution of Attachment 2 Observations

S. No.	Photo ID	Recommendation Resolution
8	Before PT Misc. Valves, Catch Basin 1	Apparent defects on insulation are surface dirt and dust from windborne dust. The basin area is not covered and exposed to prevailing winds.
9	Before PT Misc. Valves, Catch Basin 2	Apparent defects on insulation are surface dirt and dust from windborne dust. The basin area is not covered and exposed to prevailing winds.
11	Pre test1	This is a general statement about the location of the test risers that were visually inspected. The risers selected (about 10 total) were located in the upper 1/3 of the overall run. No identification exists for each one (located about 100 ft. apart). The lower parts of the piping run were difficult to access due to the terrain so areas were selected that were fairly close to an access "road".
12	Pre test2	See S. No. 11
13	Pre test3	See S. No. 11
14	Pre test4	The cable is attached so that the cover can be retrieved if it is dropped into the annular space between the riser and the encasement. The staining is from dust adhering to the cable because of surface condensation from temperature/humidity changes. For location, see S. No. 11
15	Pre test5	See S. No. 11
16	Pre test6	The staining on the underside of the cover is water from condensation from diurnal temperature/humidity changes. For location, see S. No. 11
17	Pre test7	See S. No. 11
18	Pre test8	See S. No. 11
19	Pre test9	See S. No. 11
20	Pre test10	The staining on the underside of the cover is water from condensation from diurnal temperature/humidity changes. For location, see S. No. 11
21	Pre test11	See S. No. 11
22	Pre test12	See S. No. 11
23	Pre test13	See S. No. 11
24	Pre test14	The staining on the underside of the cover is water from condensation from diurnal temperature/humidity changes. For location, see S. No. 11
25	Pre test15	See S. No. 11
26	Pre test16	See S. No. 11
27	Pre test 17	This location is further from the Evaporator than the last riser (Pre test16) and was not accessed since it is below the grade of the road shoulder.
28	Pre test18	Pre test18 is the manhole (MH 8 on H-2-79604) at the toe of the shoulder of the road (seen from S. No. 27) and is the tie-in point for the line coming from the WTP facility.
29	Pre test19	See S. No. 11
30	Pre test20	The cable is attached so that the cover can be retrieved if it is dropped into the annular space between the riser and the encasement. For location, see S. No. 11
31 thru 40	Pre test21 thru 30	See S. No. 11
41	Pre test HV-43-2.a	Bucket is dirty. See comparison of same bucket at Post test HV-43-2.a (S. No. 50) where the bucket is in the same condition.
42	Pre test HV-43-2.b	Bucket is dirty. See comparison of same bucket at Post test HV-43-2.b (S. No. 50) where the bucket is in the same condition.

ATTACHMENT C
WORK PACKAGE FOR LEAK TESTING OF THE PC 5000
(5 PAGES)

WFO-WO-07-0346

242A INTEGRITY ASSESSMENT – PC-5000

SCOPE

- 1.1. Perform Leak Test of PC-5000 in support of the Integrity Assessment Plan (IAP) for the 242-A Evaporator System. This Integrity Test is being conducted under the overview of an Independent Qualified Registered Professional Engineer (IQRPE). It is not necessary for state inspectors to witness the Integrity Test nor is it necessary to notify the state of the date and time of the test. Results of the leak test will be reported to the Washington State Department of Ecology with the final submittal of the 242-A Integrity Assessment.
- 1.2. The external portions of the components, piping, flanges, and valves will be examined for evidence of leaks in accordance with the guidelines of ASME Section XI, Division 1, class 3 (1989) IWA-5240 "Visual examination (VT-2) and IWD-5000 "System Pressure Tests Visual Examination Methods' (VT-2).

Testing will be performed under the supervision of IQRPE or designated QC Level II Inspector. A QC Level II Inspector shall perform visual inspection of the PC-5000 line (i.e. inspect the exposed portions of the line and connecting piping).

- 1.3. Water will be the process solution used for testing.
- 1.4. The acceptance criteria for this test are pressure decay shall not exceed 2.5 % per hour
- 1.5. Work will include:
 - 1.5.1. Performing valve alignments for testing.
 - 1.5.2. Filling of PC-5000 line with water and holding pressure.
 - 1.5.3. Obtaining pressure data readings and recording 2 hour test.
 - 1.5.4. QC inspection of components to identify possible leaks.
 - 1.5.5. Taking photographs of components and suspected leak areas.
 - 1.5.6. Draining PC-5000 to LERF.
 - 1.5.7. IF leaks are observed, follow-up engineering analysis shall be conducted to identify the type and extent of repairs required.
- 1.6. The equipment being worked on is general service (GS).

In accordance with the guidance contained in TFC-ESHQ-RP_RWP-C-03 "ALARA Work Planning", this task has been determined to be LOW radiological risk. (Ref. RWP TF-001, current rev.)

2.0 LIMITATIONS

This work package will utilize radiological limits and controls specified on RWP TF-001 (Current Rev).

A photograph of each test location shall be taken in order to illustrate the general test location per Attachment C-1.

3.0 PREREQUISITES

CONDUCT a Pre-Job Briefing and review the applicable Job Hazards, Limitations and Precautions sections.

NOTIFY Operations personnel at LERF that testing will be performed and valve alignments need to be performed per the requirements of this work instruction. (Paul Saueressig 372-0071 or 521-6016)

ENSURE pressure test assembly is available and ready for use.

A preliminary review of the test location shall be performed to generalize the condition of that particular area from the initial walk downs report and photographs.

NOTE - This note applies to section 4.0. Ensure Prerequisites have been completed. **MULTIPLE ENTRIES may be performed.**

4.0 SPECIFIC WORK INSTRUCTIONS

NOTIFY Shift Manager (373-4446) Leak test of PC-5000 is starting.

Set up Valving from A2-4 to LERF as follows:

1.1.1.1. Valve 1-40 **CLOSED**

Hose Connection (HC) to test manifold.

4.1.1.1.1. Vent the test manifold assembly to drain line as necessary.

1.1.1.2. Ensure valve 1-18A is **CLOSED**.

1.1.1.3. Remove flange from valve 1-18A.

1.1.1.4. Connect test manifold to valve 1-18A.

1.1.1.5. Ensure HV-RC3-3 is set to **DIVERT**.

1.1.1.6. Ensure valves 1-18 and 1-19 are **CLOSED**.

NOTIFY LERF personnel to **ENSURE** valves HV-43-3, HV-43-4, and 60M-43M are closed to allow flow to be routed to Basin 42 as normally set up.

ENSURE valve 60M-43F is fully open.

ENSURE valve 60M-43P is closed to ~ 90% (to allow raw water to build up back to 242-A)

NOTE: Step 0 may be repeated multiple times until test pressure stabilizes at ~ 55 PSI as read on test manifold gauge.

INITIATE raw water flow to LERF by **OPENING** valve 1-40.

- 1.1.1.7. Flow will continue until test manifold pressure is reached (~ 55 PSI) shutting down the flow.
- 4.1.1.1.2. **CLOSE** valve 1-40
- 1.1.1.8. Wait approximately 10 minutes for pressure to decrease/stabilize to ~ 50 PSI as read on local gauge on the test manifold assembly **THEN** charge with raw water as necessary.
- 4.1.2. **CLOSE** valve 60M-43P at LERF.

OPEN valve 1-40 and initiate raw water flow to increase pressure to ~ 55 PSI as read on pressure gauge on test manifold assembly.

- 1.1.1.9. **CLOSE** valve 1-40
- 1.1.1.10. Wait approximately 10 minutes for pressure to increase/decrease/stabilize as read on local gauge on the test manifold assembly.
- 1.1.1.11. Vent any excess air to drain line as necessary.

AFTER reaching ~ 55 PSI as read on local gauge on the test manifold assembly, **CLOSE** valve 1-18A and hold pressure for **2 HOURS**.

- 1.1.1.12. **AFTER** stabilization, **QAT** record the exact pressure as read on local gauge on the test manifold assembly, **TIME/DATE** and **SIGN**.

	/	
Pressure reading	Time/Date	QAT Signature

QAT EXAMINE/PHOTOGRAPH Items identified in Attach. C-1.

AFTER 2 HOURS of consistent pressure, **QAT** record the exact pressure as read on local gauge on the test manifold assembly, **TIME/DATE** and **SIGN**.

	/	
Pressure reading	Time/Date	QAT Signature

OPEN valves 60M-43P, 60M-43F, valve 1-18A and vent on test manifold to allow the water to drain to Basin 42, **ENDING** the integrity test.

ALIGN Valving to pre-test condition per POP-60M-002.

SET valve 1-18A to **CLOSED**.

REMOVE test manifold assembly.

RE-INSTALL Flange to valve 1-18A.

AFTER completion of the visual examination, the 242-A System Engineer shall review the observations and **ACCEPT** or **REJECT** the results as identified by signature on Data Sheet 1.

5.0 POST MAINTENANCE TESTING

N/A

NOTE - Steps in section 6.0 may be worked concurrently.

6.0 RESTORATION ACTIONS

FWS Ensure documentation and any picture files are forwarded to Al Friberg (376-1190) OR Rob Dale (373-9207).

FWS to review work package for trends and lessons learned. Conduct a Post Job Review on all fieldwork and mark "X" in Feedback block on work record, where appropriate.

Closeout review.

Attachment C

DATA SHEET 1

PC-5000 LEAK TEST VISUAL INSPECTION

Time and date when leak test started: _____

Pressure Reading on test manifold gauge: _____

Time and Date visual inspection began: _____

Time and date when leak test ended: _____

Pressure Reading on test manifold gauge: _____

Comments: _____

Operations Manager: _____

QC Inspectors: _____

Comments: _____

_____ System and components are acceptable based on the inspection results.
No further evaluation is required.

_____ System and components require further evaluation.
Reference:

242-A System Engineer: _____ Date _____

QC Level II Inspector: _____ Date _____

**ATTACHMENT D
PC 5000 PRESSURE TEST DATA REPORT
(1 PAGE)**

RPP WORK RECORD	1. Document Number: WFO-WO-07-0346
------------------------	---------------------------------------

2. Work Item Title: 242-A PERFORM PRESSURE TEST OF PC-5000

Date	Turnover, Problem Description, Action Taken	Feed Back (X)	Name	Craft/Resource Type	Hours
7/30/07	PULB-FAC completed. No L&T required.		<i>Stacy</i>	OE	
7/1/07	RWR-FAC re-performed due to stranding order requirements. No L&T required.		<i>Stacy</i>	OE	
9/1/07	This work order has been reviewed for compliance of WFO Stranding Order WFO-07-003		<i>Stacy</i>	FWS	
9/4/07	Pressure tested the manifold to 90 PSI no leaks, gauge calibrated + relief valve set at 55 PSI. Ready to install.		Anderson		
9/5/07	Coordinated pre job. SSU and Red Can PUM present. Issue on lack of ETP support, concluded pre job with work up to step 4.2.7.5. Hose will not be connected to test manifold but manifold will be connected to PC 5000 line.		<i>Stacy</i>	FWS	
9/5/07	Air Sample turned on @ ³⁰⁰ 5900 5900 PSI. Flange (blank) broke free but		<i>Stacy</i>	FWS	

Summary by Craft/Resource Type

Craft/Resource Type	Total Hours	Craft/Resource Type	Total Hours

① *Stacy 10/29/07*

ATTACHMENT E

VT - 2 CERTIFICATION FOR RON COWGIL

(3 PAGES)

6
KWW
12/26/07

TO: _____

CC: _____

[Stamp: Department of Energy and Environment, Office of Pipeline Safety, Inspected by: D.R. Grogan, Date: 02/05/09, N/A]

INSPECTION AND TEST PERSONNEL CERTIFICATION LETTER

This letter certifies that KWW (Company Name) identification number [Redacted] 12/26/07 has successfully met the qualification requirements as specified in HNF-PRO-263: Qualification and Certification of Inspection and Test Personnel. Refer to attached Inspection Personnel Qualification Checklist for details of certification.

[Redacted] is hereby certified to perform _____ inspections as a Level _____ inspector for _____
(Company Name)

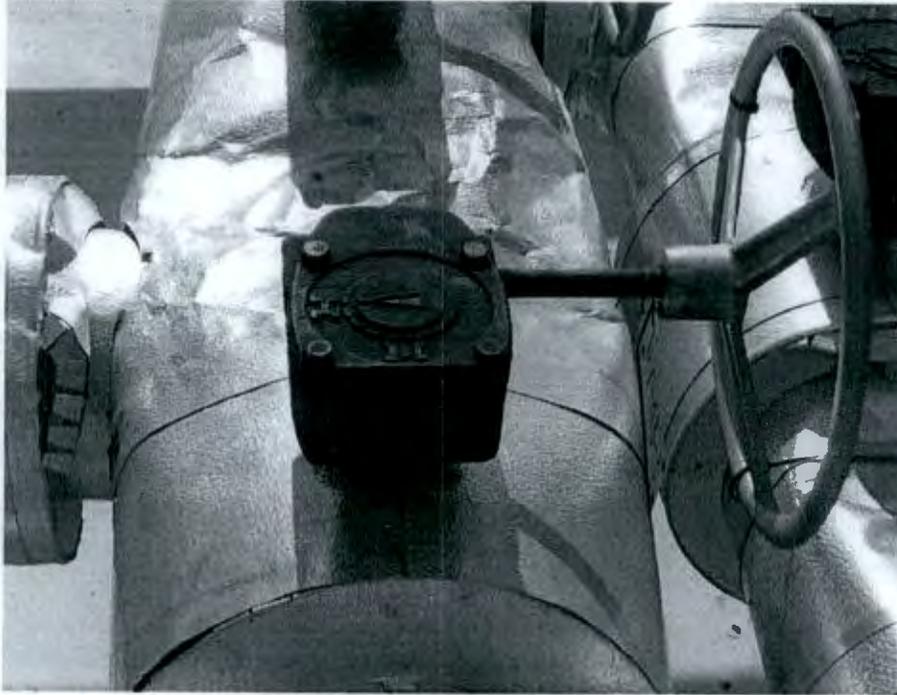
THIS CERTIFICATION IS VALID FOR _____ YEARS THRU _____
(No) (Mo/Yr)

[Signature] (Signature of Certifier) 1/30/09 (Date)

(Title of Certifier)

A 24233 Rev. 10-07

ATTACHMENT F
PC 5000 VISUAL INSPECTION PHOTOGRAPHS
(34 PAGES)



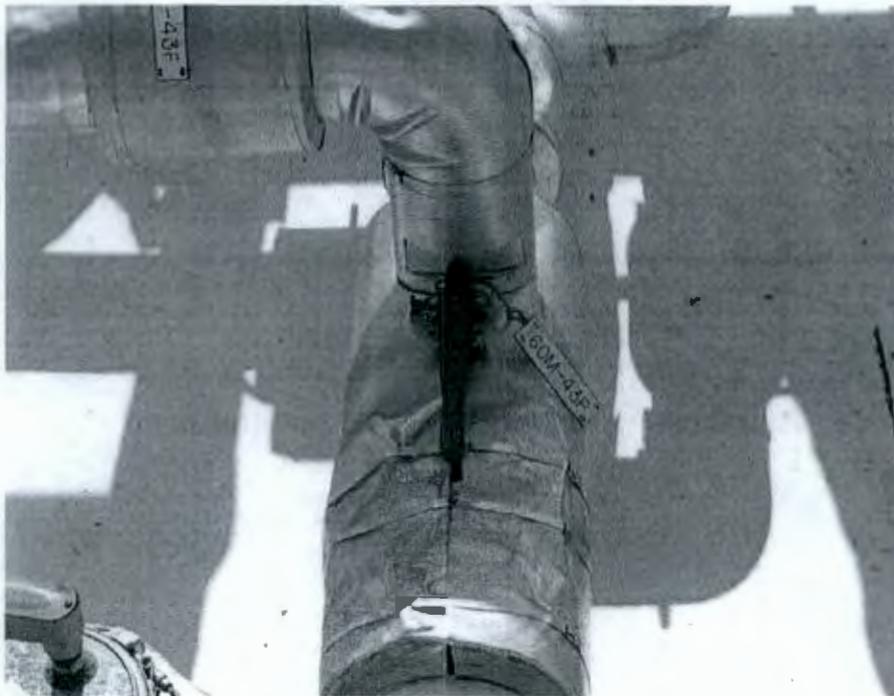
Slide 1 - Before PT



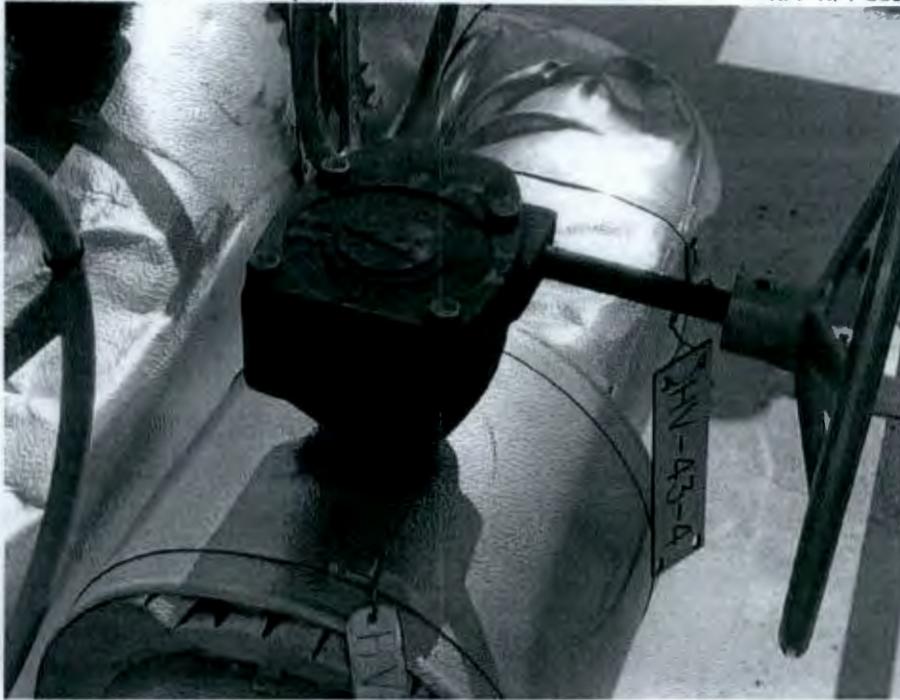
Slide 2 - Before PT 60M.04A.1



Slide 3 – Before PT 60M.04A2



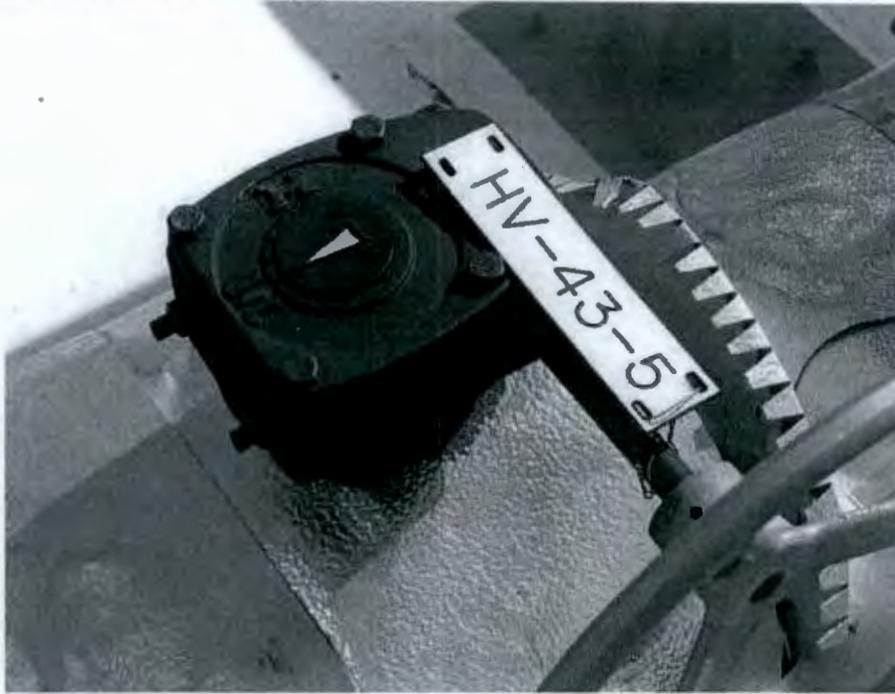
Slide 4 – Before PT 60M.43.p



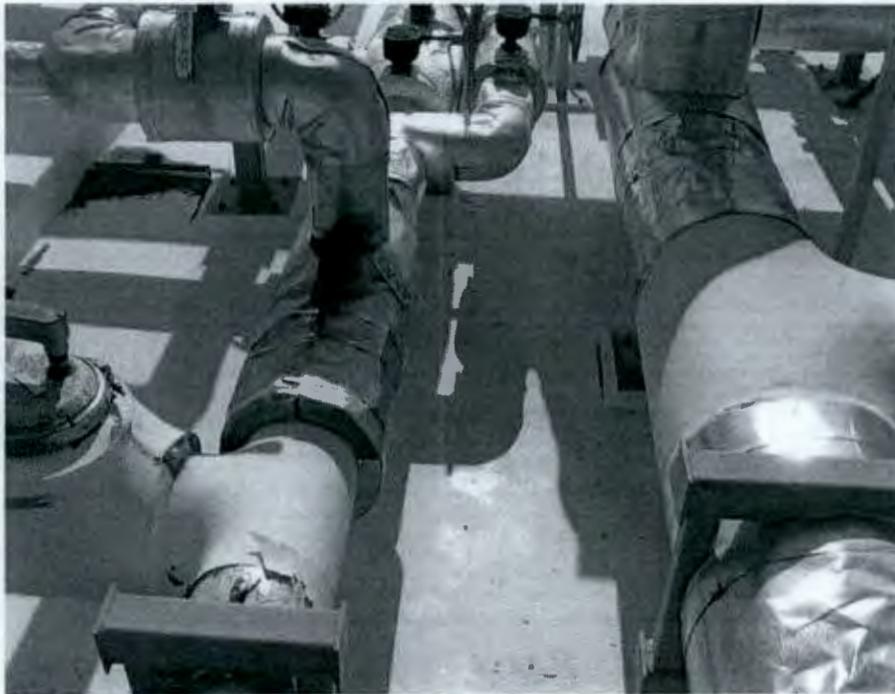
Slide 5 - Before PT HV.43.3



Slide 6 - Before PT HV.43.4



Slide 7 – Before PT HV.43.5



Slide 8 – Before PT Misc. Valves, Catch Basin 1



Slide 9 – Before PT Misc. Valves, Catch Basin 2



Slide 10 – P7210002a_926199



Slide 11 – Pre Test 1



Slide 12 – Pre Test 2



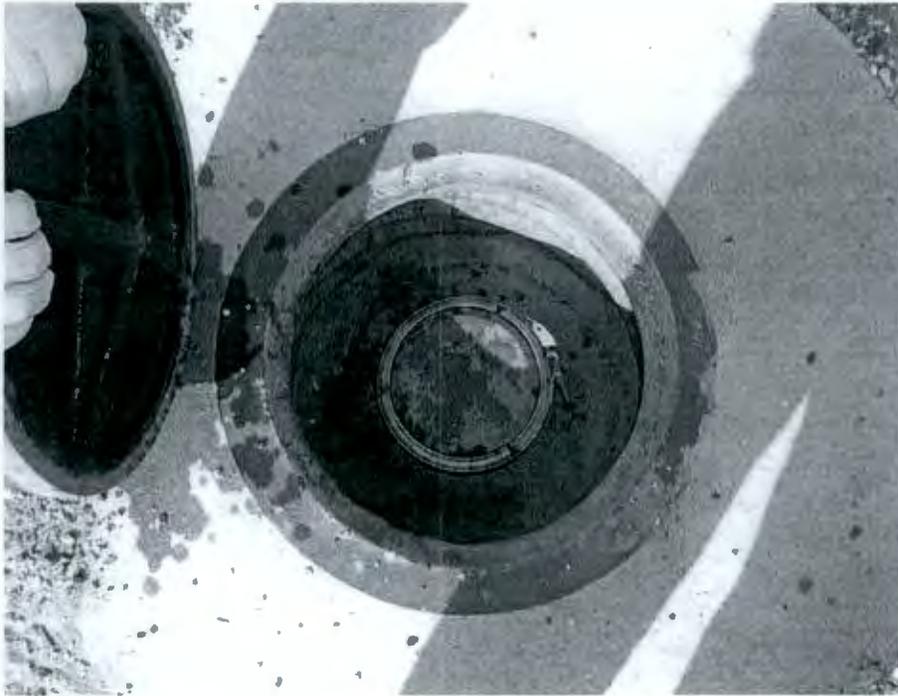
Slide 13 – Pre Test 3



Slide 14 – Pre Test 4



Slide 15 – Pre Test 5



Slide 16 – Pre Test 6



Slide 17 – Pre Test 7



Slide 18 – Pre Test 8



Slide 19 – Pre Test 9



Slide 20 – Pre Test 10



Slide 21 – Pre Test 11



Slide 22 – Pre Test 12



Slide 23 – Pre Test 13



Slide 24 – Pre Test 14



Slide 25 – Pre Test 15



Slide 26 – Pre Test 16



Slide 27 – Pre Test 17



Slide 28 – Pre Test 18



Slide 29 – Pre Test 19



Slide 30 – Pre Test 20



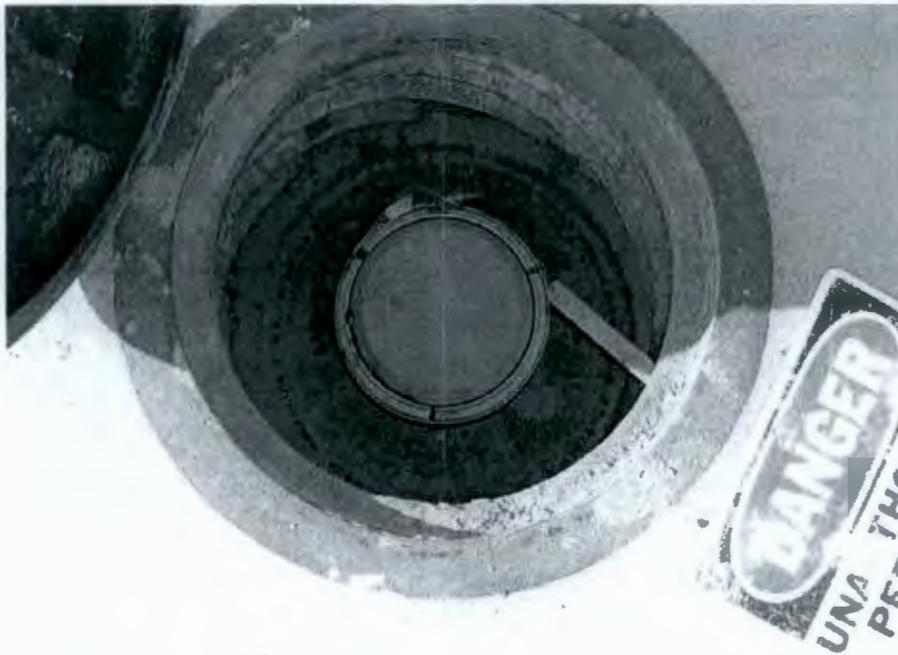
Slide 31 – Pre Test 21



Slide 32 – Pre Test 22



Slide 33 – Pre Test 23



Slide 34 – Pre Test 24



Slide 35 – Pre Test 25



Slide 36 – Pre Test 26



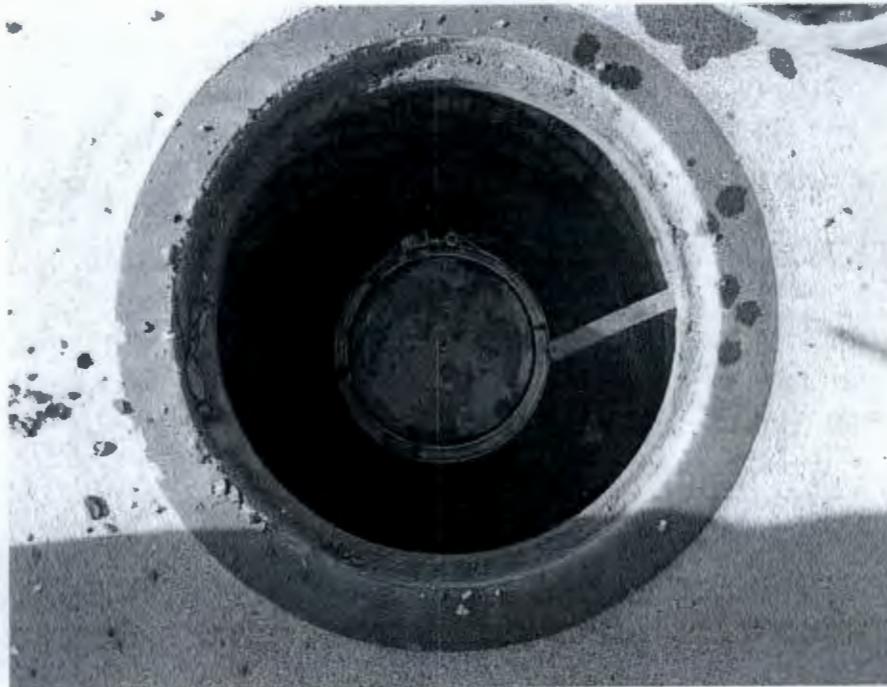
Slide 37 – Pre test 27



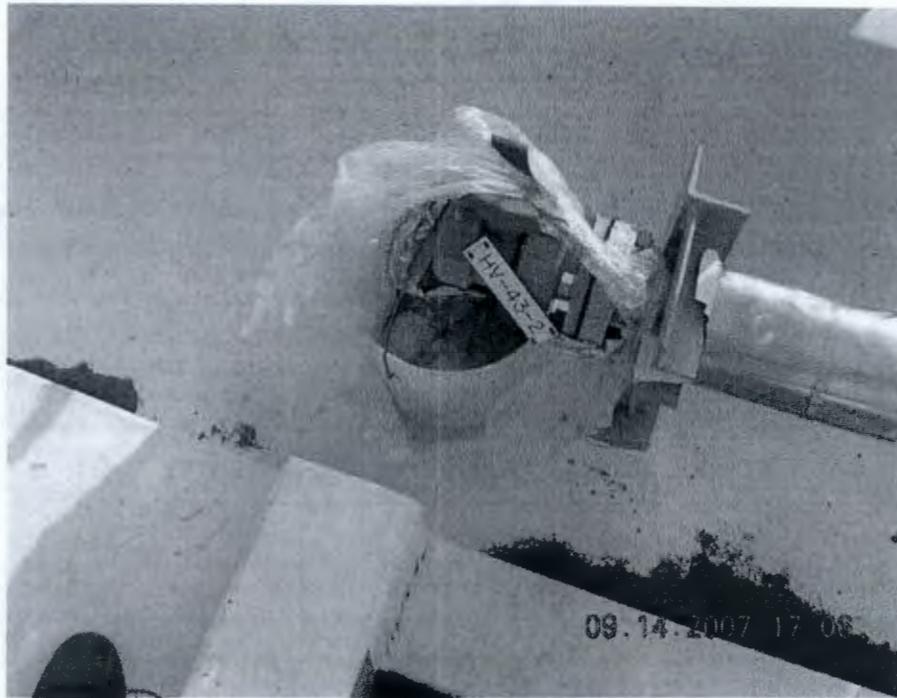
Slide 38 – Pre Test 28



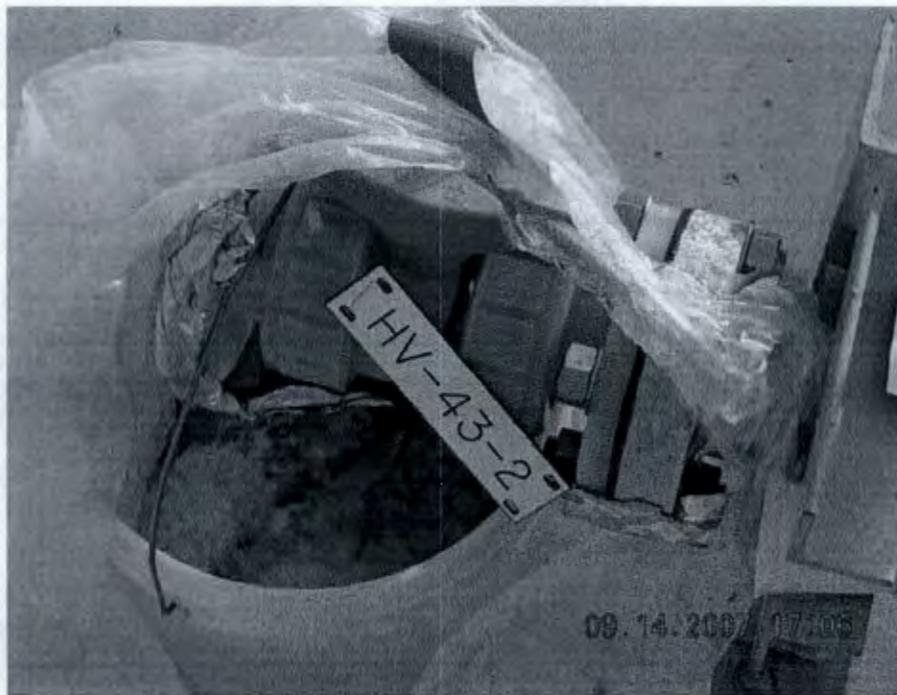
Slide 39 – Pre Test 29



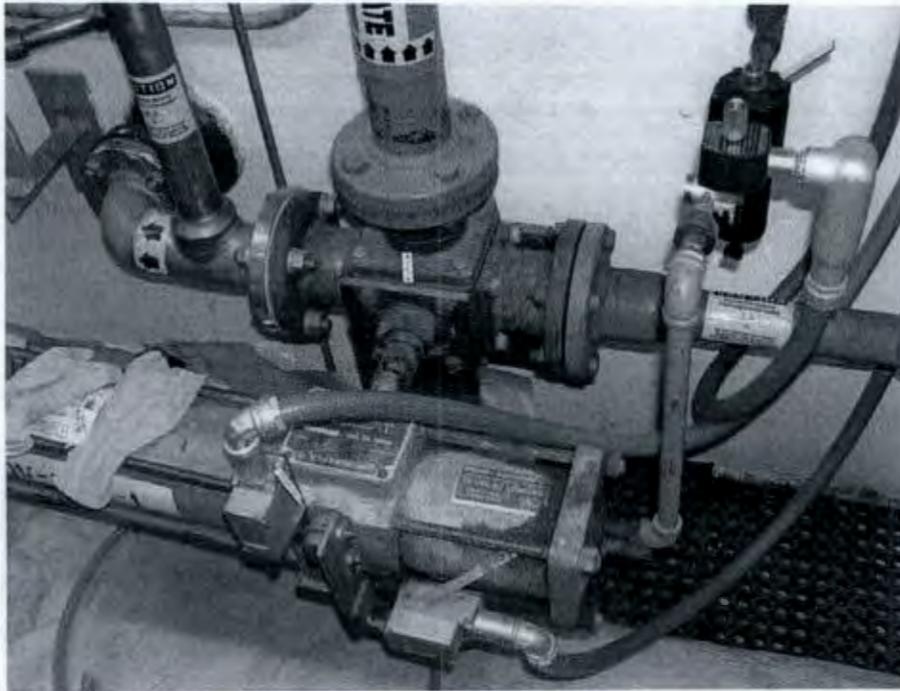
Slide 40 – Pre Test 30



Slide 41 – Pre Test HV-43-2.a



Slide 42 – Pre Test HV-43-2.b



Slide 43 – Pre Test HV-RC3-3



Slide 44 – Pre Test of Valves.a



Slide 45 – Pre Test Set Up



Slide 46 – Post Test Equipment.a



Slide 47 – Post Test Equipment.b



Slide 48 – Post Test Exposed PC5000 Lines.a



Slide 49 – Post Test Exposed PC5000 Lines.b



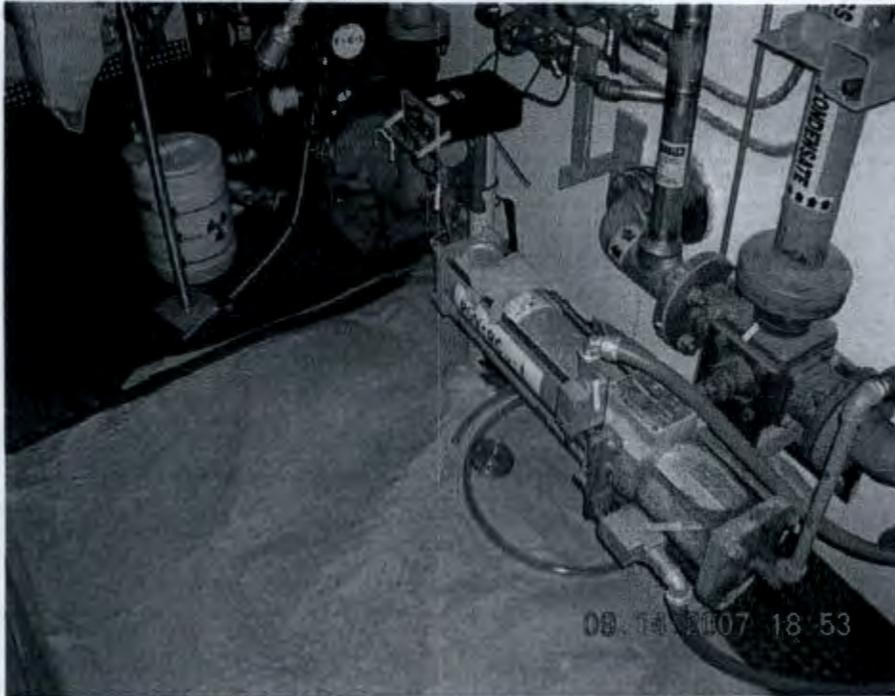
Slide 50 – Post Test Valve HV-43-2.a



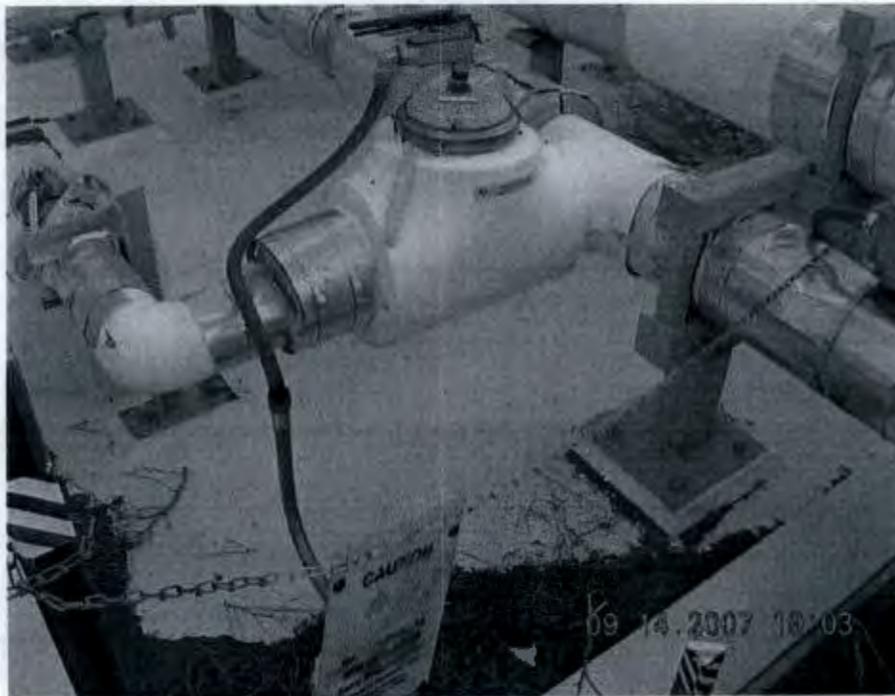
Slide 51 – Post Test Valve HV-43-2.b



Slide 52 – Post Test Valve HV-43-2.c



Slide 53 – Post Test Valve HV-RC3.3



Slide 54 – Post Test Valve.a



Slide 55 – Post Test Valve.b



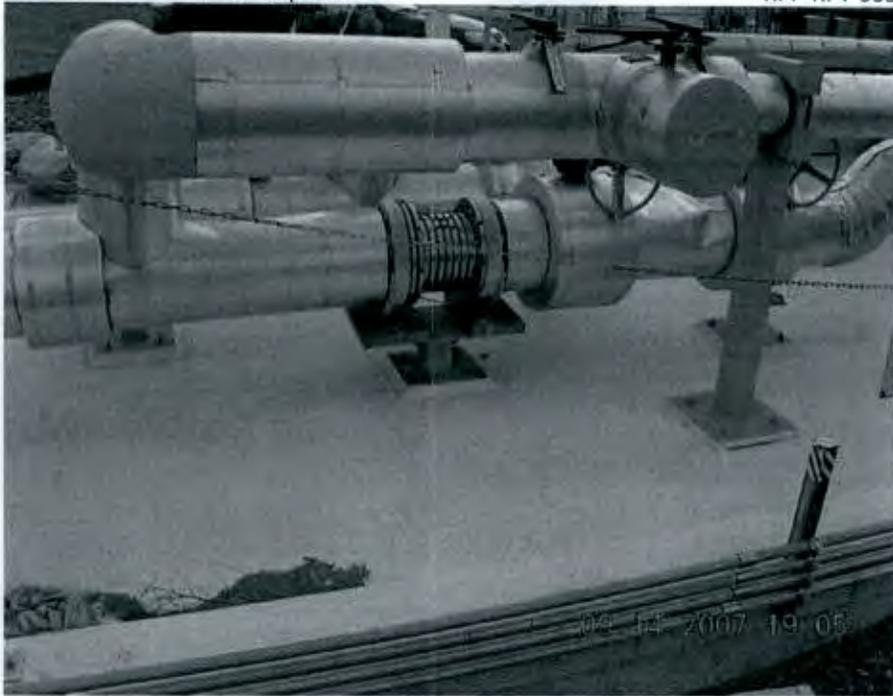
Slide 56 – Post Test Valve.d



Slide 57 – Post Test Valve.e



Slide 58 – Post Test Valve.f



Slide 59 – Post Test Valve.g



Slide 60 – Post Test Valve.h



Slide 61 – Post Test Valve.i



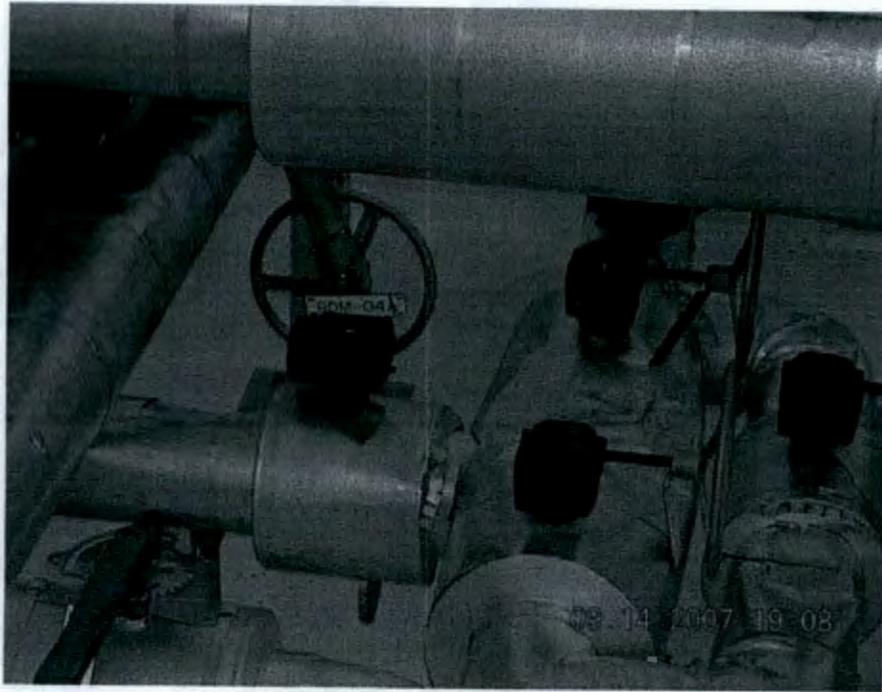
Slide 62 – Post Test Valve.j



Slide 63 – Post Test Valve.k



Slide 64 – Post Test Valve.l



Slide 65 – Post Test Valve.m

**ATTACHMENT G-1
242-A PROCESS CONDENSATE
SAMPLES SINCE 07/99 THROUGH 2007**

(41 PAGES)

All 242-A Process Condensate Samples since 7/99 through 2007.

sample_location	sample_no	constituent_name	casn	method	sample_date	results	units	lab_qflr
LERF/ETF#242-A Evaporator B1NP73		Zinc-85	13982-39-3	GAMMA_GS	8/28/07	-30.9	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Zinc	7440-66-6	6010_METALS_ICP	8/28/07	4	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Xylenes (total)	1330-20-7	8260_VOA_GCMS	8/28/07	1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Vinyl chloride	75-01-4	8260_VOA_GCMS	8/28/07	1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Vanadium	7440-62-2	6010_METALS_ICP	8/28/07	8.6	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Uranium-235	15117-98-1	GAMMA_GS	8/28/07	-22.2	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Uranium	7440-61-1	200.8_METALS_ICPMS	8/28/07	0.05	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Tritium	10028-17-8	TRITIUM_EIE_LSC	8/28/07	520000	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Tris-2-chloroethyl phosphate	115-96-8	8270_SVOA_GCMS	8/28/07	0.68	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Trichloroethene	79-01-8	8260_VOA_GCMS	8/28/07	1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Tributyl phosphate	128-73-8	8270_SVOA_GCMS	8/28/07	0.53	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Total suspended solids	TSS	160.2_TSS	8/28/07	1	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Total organic carbon	TOC	9080_TOC	8/28/07	38.8	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Total dissolved solids	TDS	160.1_TDS	8/28/07	9	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Total cresols	1319-77-3	8270_SVOA_GCMS	8/28/07	1.1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	8/28/07	15	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Toluene	108-88-3	8260_VOA_GCMS	8/28/07	1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Titanium	7440-32-4	6010_METALS_ICP	8/28/07	4	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Tin-125	15832-50-5	GAMMA_GS	8/28/07	-3.49	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Tin-113	13986-06-8	GAMMA_GS	8/28/07	-2.56	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Thorium-234	15065-10-8	GAMMA_GS	8/28/07	-364	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Thallium-208	14913-50-9	GAMMA_GS	8/28/07	-1.36	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Thallium	7440-28-0	6010_METALS_ICP	8/28/07	32	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Tetrahydrofuran	109-89-9	8260_VOA_GCMS	8/28/07	5.4	ug/L	J
LERF/ETF#242-A Evaporator B1NP73		Tetradecane	629-59-4	8270_SVOA_GCMS	8/28/07	0.63	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Tetrachloroethene	127-18-4	8260_VOA_GCMS	8/28/07	1	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Technetium-99	14133-76-7	TC99_3MDSK_LSC	8/28/07	10	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Sulfate	14808-79-8	300.0_ANIONS_IC	8/28/07	0.07	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Specific Conductance	CONDUCT	120.1_CONDUCT	8/28/07	222	uS/cm	U
LERF/ETF#242-A Evaporator B1NP73		Sodium	7440-23-5	6010_METALS_ICP	8/28/07	486	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Silver	7440-22-4	6010_METALS_ICP	8/28/07	5	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Silicon	7440-21-3	6010_METALS_ICP	8/28/07	138	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Selenium	7782-48-2	200.8_METALS_ICPMS	8/28/07	0.3	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Ruthenium-106	13987-48-1	GAMMA_GS	8/28/07	-15.2	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Ruthenium-103	13988-53-1	GAMMA_GS	8/28/07	0.878	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Radium-228	15282-20-1	GAMMA_GS	8/28/07	14.8	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Radium-226	13982-63-3	GAMMA_GS	8/28/07	37.5	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Radium-226	13982-63-3	RAISO_AEA	8/28/07	0.014	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Pyrene	129-00-0	8270_SVOA_GCMS	8/28/07	0.53	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Pyrazine	290-37-8	8270_SVOA_GCMS	8/28/07	11	ug/L	J
LERF/ETF#242-A Evaporator B1NP73		Potassium-40	13986-00-2	GAMMA_GS	8/28/07	35	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Potassium	7440-09-7	6010_METALS_ICP	8/28/07	45	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AEA	8/28/07	0.22	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AEA	8/28/07	0.08	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	8/28/07	0.088	mg/L	B
LERF/ETF#242-A Evaporator B1NP73		Phenol	108-95-2	8270_SVOA_GCMS	8/28/07	0.53	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		pH Measurement	PH	150.1_PH	8/28/07	10.3	pH	U
LERF/ETF#242-A Evaporator B1NP73		Pentachlorophenol	87-86-5	8270_SVOA_GCMS	8/28/07	1.8	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	8/28/07	36	ug/L	J
LERF/ETF#242-A Evaporator B1NP73		n-Nitrosodi-n-dipropylamine	621-64-7	8270_SVOA_GCMS	8/28/07	0.63	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	8/28/07	1500	ug/L	D
LERF/ETF#242-A Evaporator B1NP73		Nitrogen In Nitrite	NO2-N	300.0_AMONS_IC	8/28/07	0.01	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Nitrogen In Nitrate	NO3-N	300.0_ANIONS_IC	8/28/07	0.005	mg/L	U
LERF/ETF#242-A Evaporator B1NP73		Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	8/28/07	451	mg/L	D
LERF/ETF#242-A Evaporator B1NP73		Niobium-94	14881-63-1	GAMMA_GS	8/28/07	1.31	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Nickel	7440-02-0	6010_METALS_ICP	8/28/07	4	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Neptunium-237	13994-20-2	NP237_IE_PRECIP_AEA	8/28/07	0.004	pCi/L	U
LERF/ETF#242-A Evaporator B1NP73		Naphthalene	91-20-3	8270_SVOA_GCMS	8/28/07	2.2	ug/L	U
LERF/ETF#242-A Evaporator B1NP73		Methylene chloride	75-09-2	8260_VOA_GCMS	8/28/07	1	ug/L	U

LERF/ETF#242-A Evaporator B1NP73	Mercury	7439-97-8	200.8_METALS_ICPMS	8/28/07	0.1 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Manganese	7439-98-5	6010_METALS_ICP	8/28/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Magnesium	7439-95-4	6010_METALS_ICP	8/28/07	6 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Lead-214	15067-28-4	GAMMA_GS	8/28/07	14.8 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Lead-212	15062-84-1	GAMMA_GS	8/28/07	15.7 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Lead	7439-92-1	200.8_METALS_ICPMS	8/28/07	5.83 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Iron	7439-89-6	6010_METALS_ICP	8/28/07	17.7 ug/L	C
LERF/ETF#242-A Evaporator B1NP73	Iodine-129	15046-84-1	I129_SEP_LEPS_GS	8/28/07	-2.3 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Hexachloroethane	67-72-1	8270_SVOA_GCMS	8/28/07	1.6 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Gross beta	12587-47-2	BETA_GPC	8/28/07	700 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Gross alpha	12587-48-1	ALPHA_GPC	8/28/07	4 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Fluoride	16984-48-8	300.0_ANIONS_IC	8/28/07	0.008 mg/L	U
LERF/ETF#242-A Evaporator B1NP73	Europium-155	14391-18-3	GAMMA_GS	8/28/07	-11.8 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Europium-154	15585-10-1	GAMMA_GS	8/28/07	-11.8 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Europium-152	14683-23-9	GAMMA_GS	8/28/07	27.2 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Ethyl cyanide	107-12-0	8280_VOA_GCMS	8/28/07	2 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Dodecane	112-40-3	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	8/28/07	1.2 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	Decane	124-18-5	8270_SVOA_GCMS	8/28/07	0.74 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Cyanide	57-12-5	335.2_CYANIDE	8/28/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Curium-244	13681-15-2	AMCMISO_IE_PREC_AE	8/28/07	0.021 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	8/28/07	-0.004 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Copper	7440-50-8	200.8_METALS_ICPMS	8/28/07	147 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Cobalt-60	10198-40-0	GAMMA_GS	8/28/07	-0.898 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Cobalt	7440-48-4	6010_METALS_ICP	8/28/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Chromium	7440-47-3	200.8_METALS_ICPMS	8/28/07	0.891 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Chloroform	67-68-3	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Chlorobenzene	108-90-7	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Chloride	16887-00-6	300.0_ANIONS_IC	8/28/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator B1NP73	Cesium-137	10045-97-3	GAMMA_GS	8/28/07	1720 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Cesium-134	13987-70-9	GAMMA_GS	8/28/07	1.49 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Carlum-144	14782-78-8	GAMMA_GS	8/28/07	-26.9 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	8/28/07	-53.9 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Carbon disulfide	75-15-0	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Calcium	7440-70-2	6010_METALS_ICP	8/28/07	83.1 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Cadmium	7440-43-9	200.8_METALS_ICPMS	8/28/07	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Butyraldehyde	123-72-8	8260_VOA_GCMS	8/28/07	5.1 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	Bromodichloromethane	75-27-4	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Bromide	24959-87-9	300.0_ANIONS_IC	8/28/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator B1NP73	Bismuth-214	14733-03-0	GAMMA_GS	8/28/07	39.6 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Bismuth-212	14913-49-6	GAMMA_GS	8/28/07	-7.3 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	8/28/07	200 ug/L	D
LERF/ETF#242-A Evaporator B1NP73	Beryllium-7	13988-02-4	GAMMA_GS	8/28/07	25.4 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Beryllium	7440-41-7	6010_METALS_ICP	8/28/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	8/28/07	80 ug/L	D
LERF/ETF#242-A Evaporator B1NP73	Benzothiazole	95-16-9	8270_SVOA_GCMS	8/28/07	0.63 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Bertzane	71-43-2	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Barium-133	13681-41-4	GAMMA_GS	8/28/07	-52.4 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Barium	7440-39-3	6010_METALS_ICP	8/28/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Arsenic	7440-38-2	200.8_METALS_ICPMS	8/28/07	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1298	11100-14-4	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1262	37324-23-5	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1260	11098-82-5	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1254	11097-69-1	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1248	12672-29-6	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1242	53469-21-9	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1232	11141-16-5	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1221	11104-28-2	8082_PCB_GC	8/28/07	0.22 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Aroclor-1018	12674-11-2	8082_PCB_GC	8/28/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Antimony-125	14234-35-6	GAMMA_GS	8/28/07	-3.28 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Antimony	7440-36-0	6010_METALS_ICP	8/28/07	32 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Americium-241	14598-10-2	AMCMISO_IE_PREC_AE	8/28/07	0.18 pCi/L	

LERF/ETF#242-A Evaporator B1NP73	Americium-241	14596-10-2	GAMMA_GS	8/28/07	13.6 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Aluminum	7429-90-5	6010_METALS_ICP	8/28/07	30 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Actinium-228	14331-83-0	GAMMA_GS	8/28/07	14.8 pCi/L	U
LERF/ETF#242-A Evaporator B1NP73	Acetophenone	98-86-2	8270_SVOA_GCMS	8/28/07	0.84 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Acetone	67-64-1	8260_VOA_GCMS	8/28/07	31 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	Acenaphthene	83-32-9	8270_SVOA_GCMS	8/28/07	2.7 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	8/28/07	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	3+4 Methylphenol (cresol, m+p)	85794-98-9	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Picoline	109-06-8	8270_SVOA_GCMS	8/28/07	5.3 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Pentanone, 4-Methyl	108-10-1	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Pentanone	107-87-9	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Hexanone	59-57-6	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Butoxyethanol	111-78-2	8270_SVOA_GCMS	8/28/07	44 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-Butanone	78-83-3	8260_VOA_GCMS	8/28/07	4.6 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	8/28/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	2-(2-ethoxyethoxy)ethanol	111-90-0	8270_SVOA_GCMS	8/28/07	15 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	1-Butanol	71-36-3	8260_VOA_GCMS	8/28/07	1300 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,4-Dioxane	123-91-1	8270_SVOA_GCMS	8/28/07	34 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	1,4-Dichlorobenzene	106-46-7	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	8/28/07	1.5 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,2-Dichloroethane (Total)	540-59-0	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	8/28/07	2.3 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,1-Dichloroethane	75-35-4	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP73	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	8/28/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Zinc-65	13982-39-3	GAMMA_GS	8/8/07	3.9 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Zinc	7440-86-8	6010_METALS_ICP	8/8/07	6.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Xylenes (total)	1330-20-7	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Vinyl chloride	75-01-4	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Vanadium	7440-82-2	6010_METALS_ICP	8/8/07	7 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Uranium	7440-81-1	200.8_METALS_ICPMS	8/8/07	0.05 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tritium	10028-17-8	TRITIUM_EIE_LSC	8/8/07	760000 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Tris-2-chloroethyl phosphate	115-96-8	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Trichloroethane	79-01-8	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	8/8/07	5.2 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Total suspended solids	TSS	160.2_TSS	8/8/07	1 mg/L	U
LERF/ETF#242-A Evaporator B1NP71	Total organic carbon	TOC	9060_TOC	8/8/07	32.2 mg/L	U
LERF/ETF#242-A Evaporator B1NP71	Total dissolved solids	TDS	160.1_TDS	8/8/07	8 mg/L	U
LERF/ETF#242-A Evaporator B1NP71	Total cresols	1319-77-3	8270_SVOA_GCMS	8/8/07	42 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	8/8/07	16 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Toluene	108-88-3	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Titanium	7440-32-6	6010_METALS_ICP	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tin-113	13986-06-8	GAMMA_GS	8/8/07	6.8 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Thallium	7440-28-0	6010_METALS_ICP	8/8/07	59.8 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tetrahydrofuran	109-99-8	8260_VOA_GCMS	8/8/07	17 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tetradecane	629-59-4	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Tetrachloroethane	127-18-4	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Technetium-99	14133-78-7	TC99_3MDSK_LSC	8/8/07	3.2 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Sulfate	14808-79-8	300.0_ANIONS_IC	8/8/07	0.07 mg/L	U
LERF/ETF#242-A Evaporator B1NP71	Specific Conductance	CONDUCT	120.1_CONDUCT	8/8/07	200 uS/cm	U
LERF/ETF#242-A Evaporator B1NP71	Sodium	7440-23-5	6010_METALS_ICP	8/8/07	667 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Silver	7440-22-4	6010_METALS_ICP	8/8/07	5 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Silicon	7440-21-3	6010_METALS_ICP	8/8/07	449 ug/L	C
LERF/ETF#242-A Evaporator B1NP71	Selenium	7782-49-2	200.8_METALS_ICPMS	8/8/07	0.513 ug/L	C
LERF/ETF#242-A Evaporator B1NP71	Ruthenium-106	13987-48-1	GAMMA_GS	8/8/07	-10.7 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Ruthenium-103	13988-53-1	GAMMA_GS	8/8/07	-1.99 pCi/L	U

LERF/ETF#242-A Evaporator: B1NP71	Radium-226	13962-63-3	RAISO_AEA	8/8/07	0.065 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Pyrene	129-00-0	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Potassium	7440-09-7	6010_METALS_ICP	8/8/07	142 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Plutonium-239/240	PU-239/240	PUIISO_IE_PRECIP_AEP	8/8/07	0.33 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Plutonium-238	13961-16-3	PUIISO_IE_PRECIP_AEP	8/8/07	-0.15 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	8/8/07	0.04 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Phenol	108-95-2	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	pH Measurement	PH	150.1_PH	8/8/07	10.3 pH	
LERF/ETF#242-A Evaporator: B1NP71	Peritachlorophenol	87-86-5	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	n-Nitrosodi-n-dipropylamine	821-64-7	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	n-Nitrosodimethylamine	82-75-9	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	8/8/07	0.01 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	8/8/07	0.005 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	8/8/07	359 mg/L	D
LERF/ETF#242-A Evaporator: B1NP71	Niobium-94	14681-83-1	GAMMA_GS	8/8/07	0.324 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Nickel	7440-02-0	6010_METALS_ICP	8/8/07	6 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Neptunium-237	13994-20-2	NP237_IE_PRECIP_AEP	8/8/07	0.075 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Naphthalene	91-20-3	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Methylene chloride	75-09-2	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Mercury	7439-97-6	200.8_METALS_ICPMS	8/8/07	0.188 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Manganese	7439-98-5	6010_METALS_ICP	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Magnesium	7439-95-4	6010_METALS_ICP	8/8/07	9.9 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Lead	7439-82-1	200.8_METALS_ICPMS	8/8/07	6.59 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Iron	7439-89-6	6010_METALS_ICP	8/8/07	53.9 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Iodine-129	15046-84-1	I129_SEP_LEPS_GS	8/8/07	-3.8 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Hexachloroethane	67-72-1	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Gross beta	12587-47-2	BETA_GPC	8/8/07	1900 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Gross alpha	12587-46-1	ALPHA_GPC	8/8/07	9.2 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Fluoride	16984-48-8	300.0_ANIONS_IC	8/8/07	0.006 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Europium-155	14391-18-3	GAMMA_GS	8/8/07	-1.75 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Europium-154	15585-10-1	GAMMA_GS	8/8/07	-7.3 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Europium-152	14683-23-9	GAMMA_GS	8/8/07	5.17 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Ethyl cyanide	107-12-0	8260_VOA_GCMS	8/8/07	2 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Dodecane	112-40-3	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Decane	124-18-5	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Cyanide	57-12-5	335.2_CYANIDE	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Curium-244	13961-15-2	AMCMISO_IE_PREC_AE	8/8/07	-0.084 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	8/8/07	-0.048 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Copper	7440-50-8	200.8_METALS_ICPMS	8/8/07	118 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Cobalt-60	10198-40-0	GAMMA_GS	8/8/07	1.34 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Cobalt	7440-48-4	6010_METALS_ICP	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Chromium	7440-47-3	200.8_METALS_ICPMS	8/8/07	1.02 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Chloriodomethane	583-71-5	8270_SVOA_GCMS	8/8/07	9.1 ug/L	J
LERF/ETF#242-A Evaporator: B1NP71	Chloroform	67-66-3	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Chlorobenzene	108-90-7	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Chloride	16887-00-6	300.0_ANIONS_IC	8/8/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Cesium-137	10045-97-3	GAMMA_GS	8/8/07	1080 pCi/L	
LERF/ETF#242-A Evaporator: B1NP71	Cesium-134	13967-70-9	GAMMA_GS	8/8/07	-0.664 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Cerium-144	14762-78-8	GAMMA_GS	8/8/07	-9.92 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	8/8/07	-19.8 pCi/L	U
LERF/ETF#242-A Evaporator: B1NP71	Carbon tetrachloride	58-23-5	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Carbon disulfide	75-15-0	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Calcium	7440-70-2	6010_METALS_ICP	8/8/07	73.9 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Cadmium	7440-43-9	200.8_METALS_ICPMS	8/8/07	0.1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Butyraldehyde	123-72-8	8260_VOA_GCMS	8/8/07	42 ug/L	J
LERF/ETF#242-A Evaporator: B1NP71	Bromodichloromethane	75-27-4	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Bromide	24959-67-9	300.0_ANIONS_IC	8/8/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator: B1NP71	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	8/8/07	42 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Beryllium	7440-41-7	6010_METALS_ICP	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	8/8/07	64 ug/L	
LERF/ETF#242-A Evaporator: B1NP71	Benzothiazole	95-16-9	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator: B1NP71	Benzene	71-43-2	8260_VOA_GCMS	8/8/07	1 ug/L	U

LERF/ETF#242-A Evaporator B1NP71	Benzaldehyde	100-52-7	8270_SVOA_GCMS	8/8/07	26 ug/L	J
LERF/ETF#242-A Evaporator B1NP71	Barium	7440-39-3	6010_METALS_ICP	8/8/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Arsenic	7440-38-2	200.8_METALS_ICPMS	8/8/07	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1268	11100-14-4	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1262	37324-23-5	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1260	11096-82-5	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1254	11097-89-1	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1248	12672-29-6	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1242	53469-21-9	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1232	11141-16-5	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1221	11104-28-2	8082_PCB_GC	8/8/07	0.23 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Aroclor-1016	12674-11-2	8082_PCB_GC	8/8/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Antimony-125	14234-35-6	GAMMA_GS	8/8/07	-5.18 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Antimony	7440-38-0	6010_METALS_ICP	8/8/07	32 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Ameridium-241	14596-10-2	AMCMISO_IE_PREC_AE	8/8/07	0.084 pCi/L	U
LERF/ETF#242-A Evaporator B1NP71	Aluminum	7429-90-5	6010_METALS_ICP	8/8/07	30 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Acetophenone	98-88-2	8270_SVOA_GCMS	8/8/07	0.82 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	Acetone	67-64-1	8260_VOA_GCMS	8/8/07	170 ug/L	E
LERF/ETF#242-A Evaporator B1NP71	Acenaphthene	83-32-9	8270_SVOA_GCMS	8/8/07	0.52 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	3+4 Methylphenol (cresol, m+p)	65794-96-9	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Picoline	109-06-8	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Pentanone, 4-Methyl	108-10-1	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Pentanone	107-87-9	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Methylpyrazine	109-08-0	8270_SVOA_GCMS	8/8/07	26 ug/L	J
LERF/ETF#242-A Evaporator B1NP71	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	8/8/07	49 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Hexanone	59-178-6	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Ethyl Pyrazine	13925-00-3	8270_SVOA_GCMS	8/8/07	21 ug/L	J
LERF/ETF#242-A Evaporator B1NP71	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Butoxyethanol	111-78-2	8270_SVOA_GCMS	8/8/07	58 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2-Butanone	78-93-3	8260_VOA_GCMS	8/8/07	8.6 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1-Butanol	71-36-3	8260_VOA_GCMS	8/8/07	3600 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,4-Dichlorobenzene	106-46-7	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,2-Dichloroethane (Total)	540-59-0	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	8/8/07	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,1-Dichloroethane	75-35-4	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	8/8/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP71	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	8/8/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Zinc	7440-66-6	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Zinc	7440-66-6	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Vanadium	7440-62-2	6010_METALS_ICP	7/16/07	7 ug/L	U
TEDF Generator#242-A Evap B1MW68	Vanadium	7440-62-2	6010_METALS_ICP	7/16/07	7 ug/L	U
TEDF Generator#242-A Evap B1MW68	Uranium	7440-61-1	200.8_METALS_ICPMS	7/16/07	0.447 ug/L	U
TEDF Generator#242-A Evap B1MW68	Uranium	7440-61-1	200.8_METALS_ICPMS	7/16/07	0.062 ug/L	U
TEDF Generator#242-A Evap B1MW68	Trichloroethene	79-01-6	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Trichloroethene	79-01-6	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Total Trihalomethanes	THM	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Total Trihalomethanes	THM	8260_VOA_GCMS	7/16/07	3.1 ug/L	J
TEDF Generator#242-A Evap B1MW68	Total dissolved solids	TDS	180.1_TDS	7/16/07	71 mg/L	U
TEDF Generator#242-A Evap B1MW68	Total dissolved solids	TDS	180.1_TDS	7/16/07	22 mg/L	U
TEDF Generator#242-A Evap B1MW68	Toluene	108-88-3	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Toluene	108-88-3	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Titanium	7440-32-8	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Titanium	7440-32-8	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Thallium	7440-28-0	6010_METALS_ICP	7/16/07	32 ug/L	U
TEDF Generator#242-A Evap B1MW68	Thallium	7440-28-0	6010_METALS_ICP	7/16/07	32 ug/L	U

TEDF Generator#242-A Evap B1MW66	Sulfate	14808-79-8	300.0_ANIONS_IC	7/16/07	8.01 mg/L	
TEDF Generator#242-A Evap B1MW66	Sulfate	14808-79-8	300.0_ANIONS_IC	7/16/07	1.46 mg/L	
TEDF Generator#242-A Evap B1MW66	Sodium	7440-23-5	6010_METALS_ICP	7/16/07	1880 ug/L	
TEDF Generator#242-A Evap B1MW66	Sodium	7440-23-5	6010_METALS_ICP	7/16/07	362 ug/L	
TEDF Generator#242-A Evap B1MW66	Silver	7440-22-4	6010_METALS_ICP	7/16/07	8.2 ug/L	
TEDF Generator#242-A Evap B1MW66	Silver	7440-22-4	6010_METALS_ICP	7/16/07	8.2 ug/L	
TEDF Generator#242-A Evap B1MW66	Silicon	7440-21-3	6010_METALS_ICP	7/16/07	2380 ug/L	
TEDF Generator#242-A Evap B1MW66	Silicon	7440-21-3	6010_METALS_ICP	7/16/07	480 ug/L	
TEDF Generator#242-A Evap B1MW66	Selenium	7782-49-2	200.8_METALS_ICPMS	7/16/07	0.474 ug/L	
TEDF Generator#242-A Evap B1MW66	Selenium	7782-49-2	200.8_METALS_ICPMS	7/16/07	0.332 ug/L	
TEDF Generator#242-A Evap B1MW66	Pyrene	129-00-0	8270_SVOA_GCMS	7/16/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW66	Pyrene	129-00-0	8270_SVOA_GCMS	7/16/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW66	Potassium	7440-09-7	6010_METALS_ICP	7/16/07	689 ug/L	
TEDF Generator#242-A Evap B1MW66	Potassium	7440-09-7	6010_METALS_ICP	7/16/07	80.8 ug/L	
TEDF Generator#242-A Evap B1MW66	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	7/16/07	0.04 mg/L	U
TEDF Generator#242-A Evap B1MW66	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	7/16/07	0.04 mg/L	U
TEDF Generator#242-A Evap B1MW66	Phenol	108-95-2	8270_SVOA_GCMS	7/16/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW66	Phenol	108-95-2	8270_SVOA_GCMS	7/16/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW66	Pentachlorophenol	87-88-5	8270_SVOA_GCMS	7/16/07	1.6 ug/L	U
TEDF Generator#242-A Evap B1MW66	Pentachlorophenol	87-88-5	8270_SVOA_GCMS	7/16/07	1.6 ug/L	U
TEDF Generator#242-A Evap B1MW66	n-Nitrosodi-n-dipropylamine	821-64-7	8270_SVOA_GCMS	7/16/07	0.63 ug/L	U
TEDF Generator#242-A Evap B1MW66	n-Nitrosodi-n-dipropylamine	821-64-7	8270_SVOA_GCMS	7/16/07	0.63 ug/L	U
TEDF Generator#242-A Evap B1MW66	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	7/16/07	0.01 mg/L	U
TEDF Generator#242-A Evap B1MW66	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	7/16/07	0.01 mg/L	U
TEDF Generator#242-A Evap B1MW66	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	7/16/07	0.005 mg/L	U
TEDF Generator#242-A Evap B1MW66	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	7/16/07	0.005 mg/L	U
TEDF Generator#242-A Evap B1MW66	Nickel	7440-02-0	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Nickel	7440-02-0	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Methylene chloride	75-09-2	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Methylene chloride	75-09-2	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Mercury	7439-97-8	200.8_METALS_ICPMS	7/16/07	0.05 ug/L	U
TEDF Generator#242-A Evap B1MW66	Mercury	7439-97-8	200.8_METALS_ICPMS	7/16/07	0.05 ug/L	U
TEDF Generator#242-A Evap B1MW66	Manganese	7439-96-5	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Manganese	7439-96-5	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Magnesium	7439-95-4	6010_METALS_ICP	7/16/07	3940 ug/L	
TEDF Generator#242-A Evap B1MW66	Magnesium	7439-95-4	6010_METALS_ICP	7/16/07	783 ug/L	
TEDF Generator#242-A Evap B1MW66	Lead	7439-92-1	200.8_METALS_ICPMS	7/16/07	0.802 ug/L	
TEDF Generator#242-A Evap B1MW66	Lead	7439-92-1	200.8_METALS_ICPMS	7/16/07	0.1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Iron	7439-89-6	6010_METALS_ICP	7/16/07	23.2 ug/L	
TEDF Generator#242-A Evap B1MW66	Iron	7439-89-6	6010_METALS_ICP	7/16/07	14.5 ug/L	
TEDF Generator#242-A Evap B1MW66	Gross beta	12587-47-2	BETA_GPC	7/16/07	3.7 pCi/L	
TEDF Generator#242-A Evap B1MW66	Gross beta	12587-47-2	BETA_GPC	7/16/07	0.75 pCi/L	U
TEDF Generator#242-A Evap B1MW66	Gross alpha	12587-46-1	ALPHA_GPC	7/16/07	0.54 pCi/L	U
TEDF Generator#242-A Evap B1MW66	Gross alpha	12587-46-1	ALPHA_GPC	7/16/07	0.23 pCi/L	U
TEDF Generator#242-A Evap B1MW66	Fluoride	16984-48-8	300.0_ANIONS_IC	7/16/07	0.008 mg/L	U
TEDF Generator#242-A Evap B1MW66	Fluoride	16984-48-8	300.0_ANIONS_IC	7/16/07	0.008 mg/L	U
TEDF Generator#242-A Evap B1MW66	Dibromochloromethane	124-48-1	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Dibromochloromethane	124-48-1	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Copper	7440-50-8	200.8_METALS_ICPMS	7/16/07	3.5 ug/L	
TEDF Generator#242-A Evap B1MW66	Copper	7440-50-8	200.8_METALS_ICPMS	7/16/07	0.78 ug/L	
TEDF Generator#242-A Evap B1MW66	Cobalt	7440-48-4	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Cobalt	7440-48-4	6010_METALS_ICP	7/16/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW66	Chromium	7440-47-3	200.8_METALS_ICPMS	7/16/07	1.16 ug/L	
TEDF Generator#242-A Evap B1MW66	Chromium	7440-47-3	200.8_METALS_ICPMS	7/16/07	0.816 ug/L	
TEDF Generator#242-A Evap B1MW66	Chloroform	67-66-3	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Chloroform	67-66-3	8260_VOA_GCMS	7/16/07	3.1 ug/L	J
TEDF Generator#242-A Evap B1MW66	Chlorobenzene	108-90-7	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Chlorobenzene	108-90-7	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Chloride	16887-00-6	300.0_ANIONS_IC	7/16/07	0.883 mg/L	
TEDF Generator#242-A Evap B1MW66	Chloride	16887-00-6	300.0_ANIONS_IC	7/16/07	0.181 mg/L	B
TEDF Generator#242-A Evap B1MW66	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	7/16/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW66	Calcium	7440-70-2	6010_METALS_ICP	7/16/07	17900 ug/L	

TEDF Generator#242-A Evap B1MW68	Calcium	7440-70-2	6010_METALS_ICP	7/18/07	3500 ug/L	
TEDF Generator#242-A Evap B1MW68	Cadmium	7440-43-9	200.8_METALS_ICPMS	7/18/07	0.1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Cadmium	7440-43-9	200.8_METALS_ICPMS	7/18/07	0.1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Bromofom	75-25-2	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Bromofom	75-25-2	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Bromodichloromethane	75-27-4	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Bromodichloromethane	75-27-4	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Bromide	24859-87-9	300.0_ANIONS_IC	7/18/07	0.03 mg/L	U
TEDF Generator#242-A Evap B1MW68	Bromide	24859-87-9	300.0_ANIONS_IC	7/18/07	0.03 mg/L	U
TEDF Generator#242-A Evap B1MW68	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	7/18/07	130 ug/L	BD
TEDF Generator#242-A Evap B1MW68	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	7/18/07	0.84 ug/L	U
TEDF Generator#242-A Evap B1MW68	Beryllium	7440-41-7	6010_METALS_ICP	7/18/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Beryllium	7440-41-7	6010_METALS_ICP	7/18/07	4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Benzene	71-43-2	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Benzene	71-43-2	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	Barium	7440-39-3	6010_METALS_ICP	7/18/07	26.9 ug/L	
TEDF Generator#242-A Evap B1MW68	Barium	7440-39-3	6010_METALS_ICP	7/18/07	5.5 ug/L	
TEDF Generator#242-A Evap B1MW68	Arsenic	7440-38-2	200.8_METALS_ICPMS	7/18/07	0.488 ug/L	
TEDF Generator#242-A Evap B1MW68	Arsenic	7440-38-2	200.8_METALS_ICPMS	7/18/07	0.4 ug/L	U
TEDF Generator#242-A Evap B1MW68	Antimony	7440-36-0	6010_METALS_ICP	7/18/07	32 ug/L	U
TEDF Generator#242-A Evap B1MW68	Antimony	7440-36-0	6010_METALS_ICP	7/18/07	32 ug/L	U
TEDF Generator#242-A Evap B1MW68	Aluminum	7429-90-5	6010_METALS_ICP	7/18/07	30 ug/L	U
TEDF Generator#242-A Evap B1MW68	Aluminum	7429-90-5	6010_METALS_ICP	7/18/07	30 ug/L	U
TEDF Generator#242-A Evap B1MW68	Acenaphthene	83-32-9	8270_SVOA_GCMS	7/18/07	2.7 ug/L	U
TEDF Generator#242-A Evap B1MW68	Acenaphthene	83-32-9	8270_SVOA_GCMS	7/18/07	2.7 ug/L	U
TEDF Generator#242-A Evap B1MW68	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	7/18/07	1.1 ug/L	U
TEDF Generator#242-A Evap B1MW68	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	7/18/07	1.1 ug/L	U
TEDF Generator#242-A Evap B1MW68	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	7/18/07	0.53 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	7/18/07	1.5 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	7/18/07	1.5 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	7/18/07	2.3 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	7/18/07	2.3 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,1-Dichloroethene	75-35-4	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,1-Dichloroethene	75-35-4	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,1,1-Trichloroethane	71-55-8	8260_VOA_GCMS	7/18/07	1 ug/L	U
TEDF Generator#242-A Evap B1MW68	1,1,1-Trichloroethane	71-55-8	8260_VOA_GCMS	7/18/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Zinc-65	13982-39-3	GAMMA_GS	7/9/07	2.5 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Zinc	7440-66-6	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Xylenes (total)	1330-20-7	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Vinyl chloride	75-01-4	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Vanadium	7440-82-2	6010_METALS_ICP	7/9/07	7 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Uranium-235	15117-86-1	GAMMA_GS	7/9/07	-8.94 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Uranium	7440-81-1	200.8_METALS_ICPMS	7/9/07	0.05 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Tritium	10028-17-8	TRITIUM_EIE_LSC	7/9/07	1400000 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Tris-2-chloroethyl phosphate	115-86-8	8270_SVOA_GCMS	7/9/07	0.68 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Trichloroethene	79-01-6	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	7/9/07	780 ug/L	D
LERF/ETF#242-A Evaporator B1NP69	Total suspended solids	TSS	180.2_TSS	7/9/07	1 mg/L	
LERF/ETF#242-A Evaporator B1NP69	Total organic carbon	TOC	9060_TOC	7/9/07	97.2 mg/L	D
LERF/ETF#242-A Evaporator B1NP69	Total dissolved solids	TDS	180.1_TDS	7/9/07	9 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Total cresols	1319-77-3	8270_SVOA_GCMS	7/9/07	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	7/9/07	86 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Toluene	108-88-3	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Titanium	7440-32-8	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Tin-126	15832-50-5	GAMMA_GS	7/9/07	-0.734 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Tin-113	13986-06-8	GAMMA_GS	7/9/07	-3.9 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Thorium-234	15085-10-8	GAMMA_GS	7/9/07	-176 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Thallium-208	14913-50-9	GAMMA_GS	7/9/07	2.51 pCi/L	U

LERF/ETF#242-A Evaporator B1NP69	Thallium	7440-28-0	6010_METALS_ICP	7/9/07	32 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Tetrahydrofuran	109-99-8	8260_VOA_GCMS	7/9/07	57 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Tetradecane	629-58-4	8270_SVOA_GCMS	7/9/07	0.63 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Tetrachloroethene	127-18-4	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Technetium-99	14133-78-7	TC99_3MDSK_LSC	7/9/07	10 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Sulfate	14808-79-8	300.0_ANIONS_IC	7/9/07	0.07 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Specific Conductance	CONDUCT	120.1_CONDUCT	7/9/07	85.5 uS/cm	
LERF/ETF#242-A Evaporator B1NP69	Sodium	7440-23-5	6010_METALS_ICP	7/9/07	27 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Silver	7440-22-4	6010_METALS_ICP	7/9/07	9.6 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Silicon	7440-21-3	6010_METALS_ICP	7/9/07	43 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Selenium	7782-49-2	200.8_METALS_ICPMS	7/9/07	0.3 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Ruthenium-106	13967-48-1	GAMMA_GS	7/9/07	-24.9 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Ruthenium-103	13968-53-1	GAMMA_GS	7/9/07	1.04 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Radium-228	15262-20-1	GAMMA_GS	7/9/07	3.92 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Radium-226	13962-63-3	GAMMA_GS	7/9/07	80.8 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Radium-226	13962-63-3	RAISO_AEA	7/9/07	0 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Pyrene	129-00-0	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Potassium-40	13966-00-2	GAMMA_GS	7/9/07	-14.5 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Potassium	7440-09-7	6010_METALS_ICP	7/9/07	45 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AEA	7/9/07	0.26 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AEA	7/9/07	0.043 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Phosphorus in phosphate	PC04-P	300.0_ANIONS_IC	7/9/07	0.04 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Phenol	108-95-2	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	pH Measurement	PH	150.1_PH	7/9/07	9.77 pH	
LERF/ETF#242-A Evaporator B1NP69	Perchlorophenol	87-86-5	8270_SVOA_GCMS	7/9/07	1.6 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	nonadecane	629-92-5	8270_SVOA_GCMS	7/9/07	8.3 ug/L	J
LERF/ETF#242-A Evaporator B1NP69	n-Nitrosodimethylamine	821-64-7	8270_SVOA_GCMS	7/9/07	0.63 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	n-Nitrosodimethylamine	82-75-9	8270_SVOA_GCMS	7/9/07	0.8 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	7/9/07	0.01 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	7/9/07	0.014 mg/L	B
LERF/ETF#242-A Evaporator B1NP69	Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	7/9/07	61.8 mg/L	D
LERF/ETF#242-A Evaporator B1NP69	Niobium-94	14881-63-1	GAMMA_GS	7/9/07	-0.761 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Nickel	7440-02-0	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Nephtunium-237	13994-20-2	NP237_IE_PRECIP_AEA	7/9/07	0.004 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Naphthalene	91-20-3	8270_SVOA_GCMS	7/9/07	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Methylene chloride	75-09-2	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Mercury	7439-97-6	200.8_METALS_ICPMS	7/9/07	0.174 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Manganese	7439-96-5	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Magnesium	7439-95-4	6010_METALS_ICP	7/9/07	6 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Lead-214	15067-28-4	GAMMA_GS	7/9/07	57.4 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Lead-212	15092-94-1	GAMMA_GS	7/9/07	-11.4 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Lead	7439-92-1	200.8_METALS_ICPMS	7/9/07	4.77 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Iron	7439-89-6	6010_METALS_ICP	7/9/07	26.1 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Iodine-129	15046-84-1	I129_SEP_LEPS_GS	7/9/07	7.3 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Hexachloroethane	67-72-1	8270_SVOA_GCMS	7/9/07	1.5 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Gross beta	12587-47-2	BETA_GPC	7/9/07	820 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Gross alpha	12587-46-1	ALPHA_GPC	7/9/07	6.3 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Fluoride	18984-48-8	300.0_ANIONS_IC	7/9/07	0.043 mg/L	B
LERF/ETF#242-A Evaporator B1NP69	Europium-155	14391-16-3	GAMMA_GS	7/9/07	4.38 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Europium-154	15585-10-1	GAMMA_GS	7/9/07	3.26 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Europium-152	14883-23-9	GAMMA_GS	7/9/07	8.44 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Ethyl cyanide	107-12-0	8260_VOA_GCMS	7/9/07	2 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Dodecane	112-40-3	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Decane	124-18-5	8270_SVOA_GCMS	7/9/07	0.74 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Cyanide	57-12-5	335.2_CYANIDE	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Curium-244	13981-15-2	AMCMISO_IE_PREC_AE	7/9/07	0 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	7/9/07	0.011 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Copper	7440-50-8	200.8_METALS_ICPMS	7/9/07	1.52 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Cobalt-60	10198-40-0	GAMMA_GS	7/9/07	1.93 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Cobalt	7440-48-4	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Chromium	7440-47-3	200.8_METALS_ICPMS	7/9/07	2.06 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Chloroform	67-66-3	8260_VOA_GCMS	7/9/07	1 ug/L	U

LERF/ETF#242-A Evaporator B1NP69	Chlorobenzene	108-90-7	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Chloride	16887-00-8	300_0_ANIONS_IC	7/9/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Cesium-137	10045-97-3	GAMMA_GS	7/9/07	754 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Cesium-134	13967-70-9	GAMMA_GS	7/9/07	0.981 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Cerium-144	14762-78-8	GAMMA_GS	7/9/07	-26.2 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	7/9/07	-52.3 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Carbon disulfide	75-15-0	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Calcium	7440-70-2	6010_METALS_ICP	7/9/07	34 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Cadmium	7440-43-9	200_8_METALS_ICPMS	7/9/07	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Bromodichloromethane	75-27-4	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Bromide	24859-87-9	300_0_ANIONS_IC	7/9/07	0.03 mg/L	U
LERF/ETF#242-A Evaporator B1NP69	Bismuth-214	14733-03-0	GAMMA_GS	7/9/07	102 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Bismuth-212	14913-49-6	GAMMA_GS	7/9/07	3.31 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	7/9/07	34 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Beryllium-7	13966-02-4	GAMMA_GS	7/9/07	-34 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Beryllium	7440-41-7	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	7/9/07	14 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Benzothiazole	95-16-9	8270_SVOA_GCMS	7/9/07	0.63 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Benzene	71-43-2	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Barium-133	13961-41-4	GAMMA_GS	7/9/07	2.51 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Barium	7440-39-3	6010_METALS_ICP	7/9/07	4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Arsenic	7440-38-2	200_8_METALS_ICPMS	7/9/07	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1268	11100-14-4	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1262	37324-23-5	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1260	11096-82-5	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1254	11097-89-1	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1248	12672-29-6	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1242	53469-21-9	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1232	11141-16-5	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1221	11104-28-2	8082_PCB_GC	7/9/07	0.21 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Aroclor-1016	12674-11-2	8082_PCB_GC	7/9/07	0.11 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Antimony-125	14234-35-6	GAMMA_GS	7/9/07	-12.3 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Antimony	7440-36-0	6010_METALS_ICP	7/9/07	32 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Americium-241	14598-10-2	AMCMISO_IE_PREC_AE	7/9/07	0.33 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Americium-241	14598-10-2	GAMMA_GS	7/9/07	8.74 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Aluminum	7429-90-5	6010_METALS_ICP	7/9/07	30 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Actinium-226	14331-83-0	GAMMA_GS	7/9/07	3.92 pCi/L	U
LERF/ETF#242-A Evaporator B1NP69	Acetophenone	98-98-2	8270_SVOA_GCMS	7/9/07	4.4 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	Acetone	67-64-1	8260_VOA_GCMS	7/9/07	5900 ug/L	B
LERF/ETF#242-A Evaporator B1NP69	Acenaphthene	83-32-9	8270_SVOA_GCMS	7/9/07	2.7 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	7/9/07	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	3+4 Methylphenol (cresol, m+p)	65794-98-9	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Picoline	109-06-8	8270_SVOA_GCMS	7/9/07	5.3 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Pentanone, 4-Methyl	108-10-1	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Pentanone	107-87-8	8260_VOA_GCMS	7/9/07	47 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Pentanol	6032-29-7	8270_SVOA_GCMS	7/9/07	20 ug/L	J
LERF/ETF#242-A Evaporator B1NP69	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Hexanone	591-78-6	8260_VOA_GCMS	7/9/07	8 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Cyclohexen-1-One	930-68-7	8270_SVOA_GCMS	7/9/07	6.5 ug/L	J
LERF/ETF#242-A Evaporator B1NP69	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2-Butoxyethanol	111-78-2	8270_SVOA_GCMS	7/9/07	180 ug/L	D
LERF/ETF#242-A Evaporator B1NP69	2-Butanone	78-93-3	8260_VOA_GCMS	7/9/07	78 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	7/9/07	0.53 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1-Butanol	71-36-3	8260_VOA_GCMS	7/9/07	72000 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,4-Dichlorobenzene	108-46-7	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,4-Dichlorobenzene	108-46-7	8270_SVOA_GCMS	7/9/07	1.5 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,2-Dichloroethane (Total)	540-59-0	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,2-Dichloroethane	107-08-2	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	7/9/07	2.3 ug/L	U

LERF/ETF#242-A Evaporator B1NP69	1,1-Dichloroethene	75-35-4	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1NP69	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	7/9/07	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Zinc-65	13982-39-3	GAMMA_GS	9/7/08	11.2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Zinc	7440-86-8	6010_METALS_ICP	9/7/08	16.2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Xylenes (total)	1330-20-7	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Vinyl chloride	75-01-4	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Vanadium	7440-82-2	6010_METALS_ICP	9/7/08	14 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Uranium	7440-81-1	200.8_METALS_ICPMS	9/7/08	0.02 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tritium	10028-17-8	TRITIUM_DIST_LSC	9/7/08	340000 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tris-2-chloroethyl phosphate	115-88-8	8270_SVOA_GCMS	9/7/08	0.66 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Trichloroethane	79-01-6	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	9/7/08	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Total suspended solids	TSS	160.2_TSS	9/7/08	1 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Total organic carbon	TOC	9060_TOC	9/7/08	10.3 mg/L	E
LERF/ETF#242-A Evaporator B1K7J2	Total dissolved solids	TDS	160.1_TDS	9/7/08	9 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Total cresols	1319-77-3	8270_SVOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	9/7/08	670 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Toluene	108-88-3	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Titanium	7440-32-6	6010_METALS_ICP	9/7/08	4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tin-113	13986-06-8	GAMMA_GS	9/7/08	-3.59 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Thallium	7440-28-0	6010_METALS_ICP	9/7/08	75 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	9/7/08	2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tetradecane	629-59-4	8270_SVOA_GCMS	9/7/08	0.81 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Tetrachloroethene	127-18-4	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Technetium-99	14133-76-7	TC99_3MDSK_LSC	9/7/08	-2.4 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Sulfate	14808-79-8	300.0_ANIONS_IC	9/7/08	0.073 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Specific Conductance	CONDUCT	120.1_CONDUCT	9/7/08	113 uS/cm	U
LERF/ETF#242-A Evaporator B1K7J2	Sodium	7440-23-5	6010_METALS_ICP	9/7/08	115 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Silver	7440-22-4	6010_METALS_ICP	9/7/08	11 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Silicon	7440-21-3	6010_METALS_ICP	9/7/08	212 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Selenium	7782-49-2	200.8_METALS_ICPMS	9/7/08	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Ruthenium-106	13967-46-1	GAMMA_GS	9/7/08	10.6 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Ruthenium-103	13968-53-1	GAMMA_GS	9/7/08	4.45 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Radium-226	13982-63-3	GAMMA_GS	9/7/08	0.01 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Pyrene	129-00-0	8270_SVOA_GCMS	9/7/08	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Pyrazine	290-37-9	8270_SVOA_GCMS	9/7/08	11 ug/L	J
LERF/ETF#242-A Evaporator B1K7J2	Potassium	7440-09-7	6010_METALS_ICP	9/7/08	220 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Plutonium-239/240	PU-239/240	PUI50_IE_PRECIP_AEA	9/7/08	0.62 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Plutonium-238	13981-16-3	PUI50_IE_PRECIP_AEA	9/7/08	-0.17 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	9/7/08	0.032 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Phenol	108-95-2	8270_SVOA_GCMS	9/7/08	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	pH Measurement	PH	150.1_PH	9/7/08	10.4 pH	U
LERF/ETF#242-A Evaporator B1K7J2	Peritachlorophenol	87-88-5	8270_SVOA_GCMS	9/7/08	1.5 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	9/7/08	11 ug/L	J
LERF/ETF#242-A Evaporator B1K7J2	n-Nitrosodi-n-dipropylamine	621-64-7	8270_SVOA_GCMS	9/7/08	0.61 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	9/7/08	330 ug/L	D
LERF/ETF#242-A Evaporator B1K7J2	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	9/7/08	0.015 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	9/7/08	0.007 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Nitrogen in ammonium	NH4-N	300.7_IC	9/7/08	114 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Niobium-94	14681-63-1	GAMMA_GS	9/7/08	3.54 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Nickel	7440-02-0	6010_METALS_ICP	9/7/08	5 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Neptunium-237	13994-20-2	PUI50_IE_PRECIP_AEA	9/7/08	0.1 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Naphthalene	91-20-3	8270_SVOA_GCMS	9/7/08	2.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Methylene chloride	75-09-2	8260_VOA_GCMS	9/7/08	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Mercury	7439-97-6	200.8_METALS_ICPMS	9/7/08	0.082 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Manganese	7439-96-5	6010_METALS_ICP	9/7/08	3 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Magnesium	7439-95-4	6010_METALS_ICP	9/7/08	15 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Lead	7439-92-1	200.8_METALS_ICPMS	9/7/08	4.53 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Iron	7439-89-6	6010_METALS_ICP	9/7/08	33 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Iodine-129	15046-84-1	GAMMA_GS	9/7/08	2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Hexachloroethane	67-72-1	8270_SVOA_GCMS	9/7/08	1.4 ug/L	U

LERF/ETF#242-A Evaporator B1K7J2	Gross beta	12587-47-2	BETA_GPC	9/7/06	2000 pCi/L	
LERF/ETF#242-A Evaporator B1K7J2	Gross alpha	12587-46-1	ALPHA_GPC	9/7/06	14 pCi/L	
LERF/ETF#242-A Evaporator B1K7J2	Fluoride	16984-48-8	300.0_ANIONS_IC	9/7/06	0.008 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Europium-155	14391-16-3	GAMMA_GS	9/7/06	4.8 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Europium-154	15585-10-1	GAMMA_GS	9/7/06	-0.559 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Europium-152	14883-23-9	GAMMA_GS	9/7/06	1.26 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Ethyl cyanide	107-12-0	8260_VOA_GCMS	9/7/06	2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Eicosane	112-95-8	8270_SVOA_GCMS	9/7/06	5.4 ug/L	J
LERF/ETF#242-A Evaporator B1K7J2	Dodecane	112-40-3	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Decane	124-18-5	8270_SVOA_GCMS	9/7/06	0.71 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cyanide	57-12-5	335.2_CYANIDE	9/7/06	4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Curium-244	13961-15-2	AMCMISO_IE_PREC_AE	9/7/06	-0.011 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	9/7/06	0.011 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Copper	7440-50-8	200.8_METALS_ICPMS	9/7/06	42.2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cobalt-60	10198-40-0	GAMMA_GS	9/7/06	0.409 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cobalt	7440-48-4	8010_METALS_ICP	9/7/06	7 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Chromium	7440-47-3	200.8_METALS_ICPMS	9/7/06	0.7 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Chloroform	87-86-3	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Chlorobenzene	108-90-7	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Chloride	16887-00-6	300.0_ANIONS_IC	9/7/06	0.022 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cesium-137	10045-97-3	GAMMA_GS	9/7/06	953 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cesium-134	13967-70-9	GAMMA_GS	9/7/06	0.702 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cerium-144	14782-78-8	GAMMA_GS	9/7/06	-19.1 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cerium/Praseodymium-144	C6/PR-144	GAMMA_GS	9/7/06	-38.3 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Carbon disulfide	75-15-0	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Calcium	7440-70-2	6010_METALS_ICP	9/7/06	48.5 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Cadmium	7440-43-9	200.8_METALS_ICPMS	9/7/06	0.04 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Bromodichloromethane	75-27-4	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Bromide	24959-87-9	300.0_ANIONS_IC	9/7/06	0.032 mg/L	U
LERF/ETF#242-A Evaporator B1K7J2	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	9/7/06	12 ug/L	B
LERF/ETF#242-A Evaporator B1K7J2	Beryllium	7440-41-7	6010_METALS_ICP	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	9/7/06	15 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Benzothiazole	95-16-9	8270_SVOA_GCMS	9/7/06	0.61 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Benzene	71-43-2	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Barium	7440-39-3	6010_METALS_ICP	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Arsenic	7440-38-2	200.8_METALS_ICPMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1268	11100-14-4	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1262	37324-23-5	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1260	11098-82-5	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1254	11097-69-1	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1248	12672-29-6	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1242	53469-21-9	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1232	11141-16-5	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1221	11104-28-2	8082_PCB_GC	9/7/06	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aroclor-1016	12874-11-2	8082_PCB_GC	9/7/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Antimony-125	14234-35-6	GAMMA_GS	9/7/06	-1 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Antimony	7440-36-0	6010_METALS_ICP	9/7/06	72 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Americium-241	14598-10-2	AMCMISO_IE_PREC_AE	9/7/06	1.1 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J2	Aluminum	7429-90-5	6010_METALS_ICP	9/7/06	37 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Acetophenone	98-86-2	8270_SVOA_GCMS	9/7/06	0.81 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Acetone	67-64-1	8260_VOA_GCMS	9/7/06	32 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	Acenaphthene	83-32-9	8270_SVOA_GCMS	9/7/06	2.6 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	3+4 Methylphenol (cresol, m+p)	65794-86-9	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Picoline	109-06-8	8270_SVOA_GCMS	9/7/06	5.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Pentanone, 4-Methyl	108-10-1	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Pentanone	107-87-9	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Methylphenol (cresol, o-)	95-49-7	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Hexanone	591-78-6	8260_VOA_GCMS	9/7/06	1 ug/L	U

LERF/ETF#242-A Evaporator B1K7J2	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	9/7/06	4.8 ug/L	
LERF/ETF#242-A Evaporator B1K7J2	2-Butanone	78-93-3	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2,4-Dinitrotoluene	123-14-2	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	9/7/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1-Butanol	71-36-3	8260_VOA_GCMS	9/7/06	100 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,4-Dioxane	123-91-1	8270_SVOA_GCMS	9/7/06	4.1 ug/L	J
LERF/ETF#242-A Evaporator B1K7J2	1,4-Dichlorobenzene	106-48-7	8270_SVOA_GCMS	9/7/06	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,4-Dichlorobenzene	106-48-7	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,2-Dichloroethane (Total)	540-59-0	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	9/7/06	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,1-Dichloroethane	75-35-4	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J2	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	9/7/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Zinc-65	13982-39-3	GAMMA_GS	9/5/06	-22.9 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Zinc	7440-68-6	6010_METALS_ICP	9/5/06	2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Xylenes (total)	1330-20-7	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Vinyl chloride	75-01-4	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Vanadium	7440-62-2	6010_METALS_ICP	9/5/06	14 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Uranium-235	15117-96-1	GAMMA_GS	9/5/06	-15.5 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Uranium	7440-61-1	200.8_METALS_ICPMS	9/5/06	0.02 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tritium	10028-17-8	TRITIUM_DIST_LSC	9/5/06	350000 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tris-2-chloroethyl phosphate	115-98-6	8270_SVOA_GCMS	9/5/06	0.66 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Trichloroethene	79-01-6	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Total suspended solids	TSS	160.2_TSS	9/5/06	1 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Total organic carbon	TOC	9060_TOC	9/5/06	11.4 mg/L	D
LERF/ETF#242-A Evaporator B1K7J0	Total dissolved solids	TDS	160.1_TDS	9/5/06	10 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Total cresols	1318-77-3	8270_SVOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	9/5/06	780 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Toluene	108-88-3	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Titanium	7440-32-6	6010_METALS_ICP	9/5/06	4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tin-126	15832-50-5	GAMMA_GS	9/5/06	-5.42 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tin-113	13999-06-8	GAMMA_GS	9/5/06	-2.52 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Thorium-234	15085-10-8	GAMMA_GS	9/5/06	121 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Thallium-208	14913-50-9	GAMMA_GS	9/5/06	2.18 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Thallium	7440-28-0	6010_METALS_ICP	9/5/06	75 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	9/5/06	2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tetradecane	628-59-4	8270_SVOA_GCMS	9/5/06	0.61 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Tetrachloroethene	127-18-4	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Technetium-99	14133-76-7	TC99_3MDSK_LSC	9/5/06	-0.2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Sulfate	14808-79-8	300.0_ANIONS_IC	9/5/06	0.17 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Specific Conductance	CONDUCT	120.1_CONDUCT	9/5/06	109 uS/cm	
LERF/ETF#242-A Evaporator B1K7J0	Sodium	7440-23-5	6010_METALS_ICP	9/5/06	115 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Silver	7440-22-4	6010_METALS_ICP	9/5/06	11 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Silicon	7440-21-3	6010_METALS_ICP	9/5/06	158 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Selenium	7782-49-2	200.8_METALS_ICPMS	9/5/06	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Ruthenium-106	13987-48-1	GAMMA_GS	9/5/06	-21.3 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Ruthenium-103	13968-53-1	GAMMA_GS	9/5/06	-3.05 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Radium-226	15262-20-1	GAMMA_GS	9/5/06	0.511 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Radium-226	13982-63-3	GAMMA_GS	9/5/06	39.3 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Pyrene	129-00-0	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Pyrazine	290-37-9	8270_SVOA_GCMS	9/5/06	9.6 ug/L	J
LERF/ETF#242-A Evaporator B1K7J0	Potassium-40	13966-00-2	GAMMA_GS	9/5/06	39.6 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Potassium	7440-09-7	6010_METALS_ICP	9/5/06	220 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE#	9/5/06	0.66 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AE#	9/5/06	-0.45 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	9/5/06	0.15 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Phenol	108-95-2	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	pH Measurement	PH	150.1_PH	9/5/06	9.91 pH	
LERF/ETF#242-A Evaporator B1K7J0	Pentachlorophenol	87-88-5	8270_SVOA_GCMS	9/5/06	1.5 ug/L	U

LERF/ETF#242-A Evaporator B1K7J0	n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	9/5/06	15 ug/L	J
LERF/ETF#242-A Evaporator B1K7J0	n-Nitrosodi-n-dipropylamine	621-64-7	8270_SVOA_GCMS	9/5/06	0.81 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	9/5/06	470 ug/L	D
LERF/ETF#242-A Evaporator B1K7J0	Nitrogen in Nitrite	NO2-N	300.0_AMONS_IC	9/5/06	0.022 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Nitrogen in Nitrate	NO3-N	300.0_AMONS_IC	9/5/06	0.044 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Nitrogen in ammonium	NH4-N	300.7_IC	9/5/06	131 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Niobium-94	14681-63-1	GAMMA_GS	9/5/06	-0.161 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Nickel	7440-02-0	6010_METALS_ICP	9/5/06	5 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Neptunium-237	13964-20-2	PUISO_IE_PRECIP_AEA	9/5/06	0.073 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Naphthalene	91-20-3	8270_SVOA_GCMS	9/5/06	2.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Methylene chloride	75-09-2	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Mercury	7439-97-6	200.8_METALS_ICPMS	9/5/06	0.115 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Manganese	7439-96-5	6010_METALS_ICP	9/5/06	3 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Magnesium	7439-95-4	6010_METALS_ICP	9/5/06	15 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Lead-214	15067-28-4	GAMMA_GS	9/5/06	3.98 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Lead-212	15092-94-1	GAMMA_GS	9/5/06	-15.5 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Lead	7439-92-1	200.8_METALS_ICPMS	9/5/06	5.98 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Iron	7439-89-6	6010_METALS_ICP	9/5/06	33 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Hexachloroethane	67-72-1	8270_SVOA_GCMS	9/5/06	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Gross beta	12587-47-2	BETA_GPC	9/5/06	2200 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Gross alpha	12587-46-1	ALPHA_GPC	9/5/06	2.8 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Fluoride	16984-48-8	300.0_ANIONS_IC	9/5/06	0.029 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Europtium-155	14391-16-3	GAMMA_GS	9/5/06	5.28 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Europtium-154	15585-10-1	GAMMA_GS	9/5/06	-0.254 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Europtium-152	14683-23-9	GAMMA_GS	9/5/06	-19.9 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Ethyl cyanide	107-12-0	8260_VOA_GCMS	9/5/06	2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Eicosane	112-95-8	8270_SVOA_GCMS	9/5/06	5.3 ug/L	J
LERF/ETF#242-A Evaporator B1K7J0	Dodecane	112-40-3	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Decane	124-18-5	8270_SVOA_GCMS	9/5/06	0.71 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cyanide	57-12-5	335.2_CYANIDE	9/5/06	4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Curium-244	13981-15-2	AMCMISO_IE_PREC_AE	9/5/06	0.014 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	9/5/06	0.005 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Copper	7440-50-8	200.8_METALS_ICPMS	9/5/06	57.3 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cobalt-60	10198-40-0	GAMMA_GS	9/5/06	0.683 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cobalt	7440-48-4	6010_METALS_ICP	9/5/06	7 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Chromium	7440-47-3	200.8_METALS_ICPMS	9/5/06	0.7 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Chloroform	67-66-3	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Chlorobenzene	108-90-7	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Chloride	16887-00-6	300.0_ANIONS_IC	9/5/06	0.026 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cesium-137	10045-97-3	GAMMA_GS	9/5/06	720 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cesium-134	13967-70-9	GAMMA_GS	9/5/06	-2.8 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cerium-144	14762-78-8	GAMMA_GS	9/5/06	8.59 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	9/5/06	17.2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Carbon disulfide	75-15-0	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Calcium	7440-70-2	6010_METALS_ICP	9/5/06	31 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Cadmium	7440-43-9	200.8_METALS_ICPMS	9/5/06	0.04 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Bromodichloromethane	75-27-4	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Bromide	24959-67-9	300.0_ANIONS_IC	9/5/06	0.12 mg/L	U
LERF/ETF#242-A Evaporator B1K7J0	Bismuth-214	14733-03-0	GAMMA_GS	9/5/06	39.3 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Bismuth-212	14913-49-6	GAMMA_GS	9/5/06	51.2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	9/5/06	54 ug/L	B
LERF/ETF#242-A Evaporator B1K7J0	Beryllium	7440-41-7	6010_METALS_ICP	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	9/5/06	26 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Benzothiazole	85-18-9	8270_SVOA_GCMS	9/5/06	0.81 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Benzene	71-43-2	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Barium-133	13981-41-4	GAMMA_GS	9/5/06	-34.4 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Barium	7440-39-3	6010_METALS_ICP	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Arsenic	7440-38-2	200.8_METALS_ICPMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1268	11100-14-4	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1262	97324-23-5	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1260	11096-82-5	8082_PCB_GC	9/5/06	0.1 ug/L	U

LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1254	11097-69-1	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1248	12672-29-6	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1242	53469-21-9	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1232	11141-16-5	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1221	11104-28-2	8082_PCB_GC	9/5/06	0.21 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aroclor-1016	12674-11-2	8082_PCB_GC	9/5/06	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Antimony-125	14234-35-6	GAMMA_GS	9/5/06	2.26 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Antimony	7440-36-0	6010_METALS_ICP	9/5/06	72 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Americium-241	14598-10-2	AMCMISO_IE_PREC_AE	9/5/06	1 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Americium-241	14598-10-2	GAMMA_GS	9/5/06	-81.2 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Aluminum	7429-90-5	6010_METALS_ICP	9/5/06	37 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Actinium-228	14331-83-0	GAMMA_GS	9/5/06	0.511 pCi/L	U
LERF/ETF#242-A Evaporator B1K7J0	Acetophenone	98-06-2	8270_SVOA_GCMS	9/5/06	0.81 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Acetone	67-64-1	8260_VOA_GCMS	9/5/06	23 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	Acenaphthene	83-32-9	8270_SVOA_GCMS	9/5/06	2.6 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	3+4 Methylphenol (cresol, m+p)	65794-98-9	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Picoline	109-06-8	8270_SVOA_GCMS	9/5/06	5.1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Pentanone, 4-Methyl	108-10-1	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Pentanone	107-87-9	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Hexanone	591-78-6	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	9/5/06	6.8 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2-Butanone	78-93-3	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	9/5/06	0.51 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1-Butanol	71-36-3	8260_VOA_GCMS	9/5/06	100 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	9/5/06	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,4-Dichlorobenzene	106-46-7	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,2-Dichloroethane (Total)	540-59-0	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	9/5/06	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,2,3-Benzothiadiazole	273-77-8	8270_SVOA_GCMS	9/5/06	9.4 ug/L	J
LERF/ETF#242-A Evaporator B1K7J0	1,1-Dichloroethane	75-35-4	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1K7J0	1,1,1-Trichloroethane	71-55-8	8260_VOA_GCMS	9/5/06	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Zinc-65	13982-39-3	GAMMA_GS	3/24/05	15.7 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Zinc	7440-66-6	200.8_METALS_ICPMS	3/24/05	3.7 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Zinc	7440-66-6	6010_METALS_ICP	3/24/05	3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Xylenes (total)	1330-20-7	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Vinyl chloride	75-01-4	8290_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Vanadium	7440-82-2	6010_METALS_ICP	3/24/05	2.9 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Vanadium	7440-82-2	200.8_METALS_ICPMS	3/24/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Uranium	7440-81-1	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tritium	10028-17-8	TRITIUM_DIST_LSC	3/24/05	200000 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tris-2-chloroethyl phosphate	115-96-8	8270_SVOA_GCMS	3/24/05	0.28 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Trichloroethene	79-01-6	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tributyl phosphate	125-73-8	8270_SVOA_GCMS	3/24/05	0.14 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Total suspended solids	TSS	160.2_TSS	3/24/05	1 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Total organic carbon	TOC	9060_TOC	3/24/05	42 mg/L	D
LERF/ETF#242-A Evaporator B1C8C9	Total dissolved solids	TDS	160.1_TDS	3/24/05	9 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Total cresols	1319-77-3	8270_SVOA_GCMS	3/24/05	0.88 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	3/24/05	880 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Toluene	108-88-3	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Titanium	7440-32-6	6010_METALS_ICP	3/24/05	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tin-113	13966-06-8	GAMMA_GS	3/24/05	8.61 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tin	7440-31-5	200.8_METALS_ICPMS	3/24/05	0.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Thorium	7440-29-1	200.8_METALS_ICPMS	3/24/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Thallium	7440-28-0	6010_METALS_ICP	3/24/05	42.3 ug/L	U

LERF/ETF#242-A Evaporator B1C8C9	Thallium	7440-28-0	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	3/24/05	12 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Tetradecane	629-59-4	8270_SVOA_GCMS	3/24/05	2.6 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Tetrachloroethene	127-18-4	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Technetium-99	14133-76-7	TC99_3MDSK_LSC	3/24/05	17 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Sulfate	14808-79-8	300.0_ANIONS_IC	3/24/05	0.608 mg/L	B
LERF/ETF#242-A Evaporator B1C8C9	Strontium	7440-24-8	200.8_METALS_ICPMS	3/24/05	4.69 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Specific Conductance	CONDUCT	120.1_CONDUCT	3/24/05	133 uS/cm	
LERF/ETF#242-A Evaporator B1C8C9	Sodium	7440-23-5	6010_METALS_ICP	3/24/05	200 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Silver	7440-22-4	6010_METALS_ICP	3/24/05	1.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Silver	7440-22-4	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Silicon	7440-21-3	6010_METALS_ICP	3/24/05	783 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Selenium	7782-49-2	200.8_METALS_ICPMS	3/24/05	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Ruthenium-106	13987-48-1	GAMMA_GS	3/24/05	18.3 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Ruthenium-103	13988-53-1	GAMMA_GS	3/24/05	10.6 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Radium-226	13982-63-3	GAMMA_GS	3/24/05	0.007 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Pyrene	129-00-0	8270_SVOA_GCMS	3/24/05	0.33 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Potassium	7440-09-7	6010_METALS_ICP	3/24/05	120 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Plutonium-239/240	PU-239/240	PUIISO_JE_PRECIP_AEA	3/24/05	0.68 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Plutonium-238	13981-16-3	PUIISO_JE_PRECIP_AEA	3/24/05	0.14 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Phosphorous in phosphate	PO4-P	300.0_ANIONS_IC	3/24/05	0.078 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Phenol	108-95-2	8270_SVOA_GCMS	3/24/05	0.59 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	pH Measurement	PH	150.1_PH	3/24/05	10.4 pH	
LERF/ETF#242-A Evaporator B1C8C9	Pentachlorophenol	87-86-5	8270_SVOA_GCMS	3/24/05	0.67 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	N-Nitrosodi-n-dipropylamine	821-64-7	8270_SVOA_GCMS	3/24/05	0.46 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	N-Nitrosodimethylamine	82-75-9	8270_SVOA_GCMS	3/24/05	460 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	3/24/05	0.008 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	3/24/05	0.022 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Nitrogen in Ammonium	NH4-N	300.7_IC	3/24/05	159 mg/L	
LERF/ETF#242-A Evaporator B1C8C9	Niobium-94	14681-63-1	GAMMA_GS	3/24/05	-0.421 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Nickel	7440-02-0	6010_METALS_ICP	3/24/05	3.9 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Nickel	7440-02-0	200.8_METALS_ICPMS	3/24/05	1.01 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Neptunium-237	13994-20-2	PUIISO_JE_PRECIP_AEA	3/24/05	0.045 pCi/L	X
LERF/ETF#242-A Evaporator B1C8C9	Naphthalene	91-20-3	8270_SVOA_GCMS	3/24/05	1.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Molybdenum	7439-98-7	200.8_METALS_ICPMS	3/24/05	0.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Methylene chloride	75-09-2	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Mercury	7439-97-8	200.8_METALS_ICPMS	3/24/05	0.322 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Manganese	7439-96-5	6010_METALS_ICP	3/24/05	0.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Manganese	7439-96-5	200.8_METALS_ICPMS	3/24/05	0.478 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Magnesium	7439-95-4	6010_METALS_ICP	3/24/05	213 ug/L	C
LERF/ETF#242-A Evaporator B1C8C9	Lead	7439-92-1	200.8_METALS_ICPMS	3/24/05	3.62 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Iron	7439-89-6	6010_METALS_ICP	3/24/05	21.9 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Iodine-129	15046-84-1	GAMMA_GS	3/24/05	-1.4 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Hexachloroethane	67-72-1	8270_SVOA_GCMS	3/24/05	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Gross beta	12587-47-2	BETA_GPC	3/24/05	13000 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Gross alpha	12587-46-1	ALPHA_GPC	3/24/05	-6.4 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Fluoride	16984-48-8	300.0_ANIONS_IC	3/24/05	0.018 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Europium-155	14391-16-3	GAMMA_GS	3/24/05	-8.35 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Europium-154	15585-10-1	GAMMA_GS	3/24/05	1.52 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Europium-152	14683-23-9	GAMMA_GS	3/24/05	-34 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Ethyl cyanide	107-12-0	8260_VOA_GCMS	3/24/05	2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Dodecane	112-40-3	8270_SVOA_GCMS	3/24/05	2.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	3/24/05	1.6 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Decane	124-18-5	8270_SVOA_GCMS	3/24/05	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cyanide	57-12-5	335.2_CYANIDE	3/24/05	4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Curium-244	13981-15-2	AMCMISO_JE_PREC_AE	3/24/05	0.062 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Curium-242	15510-73-3	AMCMISO_JE_PREC_AE	3/24/05	-0.018 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Copper	7440-50-8	200.8_METALS_ICPMS	3/24/05	64.2 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Cobalt-60	10198-40-0	GAMMA_GS	3/24/05	-1.04 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cobalt	7440-48-4	6010_METALS_ICP	3/24/05	1.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cobalt	7440-48-4	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Chromium	7440-47-3	200.8_METALS_ICPMS	3/24/05	3.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Chloroform	67-66-3	8260_VOA_GCMS	3/24/05	1 ug/L	U

LERF/ETF#242-A Evaporator B1C8C9	Chlorobenzene	108-90-7	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Chloride	16887-00-6	300.0_ANIONS_IC	3/24/05	0.133 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cesium-137	10045-67-3	GAMMA_GS	3/24/05	13100 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cesium-134	13987-70-9	GAMMA_GS	3/24/05	-0.542 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cerium-144	14762-78-8	GAMMA_GS	3/24/05	28.6 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	3/24/05	57.2 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Carbon-14	14782-75-5	C14_LSC	3/24/05	30 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Carbon disulfide	75-15-0	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Calcium	7440-70-2	6010_METALS_ICP	3/24/05	949 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Cadmium	7440-43-9	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Bromodichloromethane	75-27-4	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Bromide	24959-67-9	300.0_ANIONS_IC	3/24/05	0.09 mg/L	U
LERF/ETF#242-A Evaporator B1C8C9	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	3/24/05	130 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Beryllium	7440-41-7	6010_METALS_ICP	3/24/05	0.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Beryllium	7440-41-7	200.8_METALS_ICPMS	3/24/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	3/24/05	13 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Benzothiazole	95-18-9	8270_SVOA_GCMS	3/24/05	0.33 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Benzene	71-43-2	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Barium	7440-39-3	200.8_METALS_ICPMS	3/24/05	3.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Barium	7440-39-3	6010_METALS_ICP	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Arsenic	7440-39-2	200.8_METALS_ICPMS	3/24/05	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1260	11096-82-5	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1254	11087-69-1	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1248	12672-29-6	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1242	53469-21-9	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1232	11141-18-5	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1221	11104-28-2	8082_PCB_GC	3/24/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aroclor-1016	12874-11-2	8082_PCB_GC	3/24/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Antimony-125	14234-35-6	GAMMA_GS	3/24/05	-19.4 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Antimony	7440-36-0	6010_METALS_ICP	3/24/05	25 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Antimony	7440-36-0	200.8_METALS_ICPMS	3/24/05	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Americium-241	14596-10-2	AMCMISO_IE_PREC_AE	3/24/05	0.53 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aluminum	7429-90-5	6010_METALS_ICP	3/24/05	27 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Aluminum	7429-90-5	200.8_METALS_ICPMS	3/24/05	9.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Acetophenone	98-86-2	8270_SVOA_GCMS	3/24/05	0.34 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Acetone	67-64-1	8260_VOA_GCMS	3/24/05	38 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	Acenaphthene	83-32-9	8270_SVOA_GCMS	3/24/05	2.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	3/24/05	1.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	4-Methyl-2-Pentanone	108-10-1	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	3/24/05	0.47 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	3+4 Methylphenol (cresol, m+p)	65784-96-9	8270_SVOA_GCMS	3/24/05	0.85 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Picoline	109-06-8	8270_SVOA_GCMS	3/24/05	0.98 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Pentanone	107-87-9	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	3/24/05	0.58 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	3/24/05	0.25 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Hexanone	591-78-6	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Chlorophenol	96-57-8	8270_SVOA_GCMS	3/24/05	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Butoxyethanol	111-78-2	8270_SVOA_GCMS	3/24/05	5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2-Butanone	78-93-3	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	3/24/05	0.38 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	3/24/05	0.54 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1-Butanol	71-36-3	8260_VOA_GCMS	3/24/05	140 ug/L	J
LERF/ETF#242-A Evaporator B1C8C9	1,4-Dichlorobenzene	108-46-7	8270_SVOA_GCMS	3/24/05	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,4-Dichlorobenzene	108-46-7	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,2-Dichloroethane(Total)	540-59-0	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	3/24/05	1.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,1-Dichloroethane	75-35-4	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C9	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	3/24/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Zinc-65	13982-39-3	GAMMA_GS	3/22/05	8.09 pCi/L	U

LERF/ETF#242-A Evaporator B1C8C7	Zinc	7440-86-6	200.8_METALS_ICPMS	3/22/05	4.19 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Zinc	7440-86-6	6010_METALS_ICP	3/22/05	4 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Xylenes (total)	1330-20-7	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Vinyl chloride	75-01-4	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Vanadium	7440-82-2	6010_METALS_ICP	3/22/05	2.9 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Vanadium	7440-82-2	200.8_METALS_ICPMS	3/22/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Uranium	7440-51-1	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tritium	10028-17-8	TRITIUM_DIST_LSC	3/22/05	440000 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Tris-2-chloroethyl phosphate	115-96-8	8270_SVOA_GCMS	3/22/05	0.28 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Trichloroethene	79-01-8	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	3/22/05	0.13 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Total suspended solids	TSS	160.2_TSS	3/22/05	1 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Total organic carbon	TOC	9060_TOC	3/22/05	59.8 mg/L	D
LERF/ETF#242-A Evaporator B1C8C7	Total dissolved solids	TDS	160.1_TDS	3/22/05	9 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Total cresols	1319-77-3	8270_SVOA_GCMS	3/22/05	0.82 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_C	3/22/05	131 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Toluene	108-88-3	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Titanium	7440-32-6	6010_METALS_ICP	3/22/05	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tin-113	13986-06-8	GAMMA_GS	3/22/05	-8.61 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tin	7440-31-5	200.8_METALS_ICPMS	3/22/05	0.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Thorium	7440-29-1	200.8_METALS_ICPMS	3/22/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Thallium	7440-28-0	6010_METALS_ICP	3/22/05	32.7 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Thallium	7440-28-0	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tetrahydrofuran	109-99-8	8260_VOA_GCMS	3/22/05	14 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Tetradecane	628-59-4	8270_SVOA_GCMS	3/22/05	2.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Tetrachloroethene	127-18-4	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Technetium-99	14133-76-7	TC99_3MDSK_LSC	3/22/05	2.2 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Sulfate	14808-79-8	300.0_ANIONS_IC	3/22/05	0.15 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Strontium	7440-24-6	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Specific Conductance	CONDUCT	120.1_CONDUCT	3/22/05	142 uS/cm	
LERF/ETF#242-A Evaporator B1C8C7	Sodium	7440-23-5	6010_METALS_ICP	3/22/05	200 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Silver	7440-22-4	6010_METALS_ICP	3/22/05	1.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Silver	7440-22-4	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Silicon	7440-21-3	6010_METALS_ICP	3/22/05	408 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Selenium	7782-49-2	200.8_METALS_ICPMS	3/22/05	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Ruthenium-106	13987-46-1	GAMMA_GS	3/22/05	-7.07 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Ruthenium-103	13988-53-1	GAMMA_GS	3/22/05	-0.686 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Radium-226	13982-63-3	GAMMA_GS	3/22/05	0.004 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Pyrene	129-00-0	8270_SVOA_GCMS	3/22/05	0.31 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Potassium	7440-09-7	6010_METALS_ICP	3/22/05	120 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Plutonium-239/240	PU-239/240	PUIISO_IE_PRECIP_AE#	3/22/05	0.33 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Plutonium-238	13981-16-3	PUIISO_IE_PRECIP_AE#	3/22/05	0.96 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Phosphorous in phosphate	PO4-P	300.0_ANIONS_IC	3/22/05	0.078 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Phenol	108-95-2	8270_SVOA_GCMS	3/22/05	0.55 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	pH Measurement	PH	150.1_PH	3/22/05	10.6 pH	
LERF/ETF#242-A Evaporator B1C8C7	Pentachlorophenol	87-86-5	8270_SVOA_GCMS	3/22/05	0.62 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	N-Nitrosodi-n-propylamine	621-84-7	8270_SVOA_GCMS	3/22/05	0.43 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	N-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	3/22/05	690 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Nitrogen in Nitrite	NO2-N	300.0_ANIONS_IC	3/22/05	0.008 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	3/22/05	0.022 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Nitrogen in ammonium	NH4-N	300.7_IC	3/22/05	225 mg/L	
LERF/ETF#242-A Evaporator B1C8C7	Niobium-94	14681-63-1	GAMMA_GS	3/22/05	-0.844 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Nickel	7440-02-0	6010_METALS_ICP	3/22/05	3.6 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Nickel	7440-02-0	200.8_METALS_ICPMS	3/22/05	0.401 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Neptunium-237	13994-20-2	PUIISO_IE_PRECIP_AE#	3/22/05	0.36 pCi/L	X
LERF/ETF#242-A Evaporator B1C8C7	Naphthalene	91-20-3	8270_SVOA_GCMS	3/22/05	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Molybdenum	7439-98-7	200.8_METALS_ICPMS	3/22/05	0.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Methylene chloride	75-09-2	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Mercury	7439-97-6	200.8_METALS_ICPMS	3/22/05	0.121 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Manganese	7439-98-5	6010_METALS_ICP	3/22/05	0.8 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Manganese	7439-98-5	200.8_METALS_ICPMS	3/22/05	0.163 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Magnesium	7439-95-4	6010_METALS_ICP	3/22/05	24.2 ug/L	C
LERF/ETF#242-A Evaporator B1C8C7	Lead	7439-92-1	200.8_METALS_ICPMS	3/22/05	5.68 ug/L	

LERF/ETF#242-A Evaporator B1C8C7	Iron	7439-89-6	6010_METALS_ICP	3/22/05	21 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Iodine-129	15046-84-1	GAMMA_GS	3/22/05	-3.2 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Hexachloroethane	67-72-1	8270_SVOA_GCMS	3/22/05	0.99 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Gross beta	12587-47-2	BETA_GPC	3/22/05	610 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Gross alpha	12587-46-1	ALPHA_GPC	3/22/05	1.8 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Fluoride	16984-48-8	300.0_ANIONS_IC	3/22/05	0.018 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Europium-155	14391-18-3	GAMMA_GS	3/22/05	-1.98 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Europium-154	15685-10-1	GAMMA_GS	3/22/05	11.5 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Europium-152	14683-23-0	GAMMA_GS	3/22/05	-8.84 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Ethyl cyanide	107-12-0	8260_VOA_GCMS	3/22/05	2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Dodecane	112-40-3	8270_SVOA_GCMS	3/22/05	2.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Di-n-octylphthalate	117-84-0	8270_SVOA_GCMS	3/22/05	1.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Decane	124-18-5	8270_SVOA_GCMS	3/22/05	2.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cyanide	57-12-5	335.2_CYANIDE	3/22/05	4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Curium-244	13981-15-2	AMCMISO_IE_PREC_AE	3/22/05	0 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Curium-242	15510-73-3	AMCMISO_IE_PREC_AE	3/22/05	0.014 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Copper	7440-50-8	200.8_METALS_ICPMS	3/22/05	100 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cobalt-60	10198-40-0	GAMMA_GS	3/22/05	-1.45 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cobalt	7440-48-4	6010_METALS_ICP	3/22/05	1.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cobalt	7440-48-4	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Chromium	7440-47-3	200.8_METALS_ICPMS	3/22/05	3.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Chloroform	67-68-3	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Chlorobenzene	108-90-7	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Chloride	16887-00-6	300.0_AMONS_IC	3/22/05	0.034 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cesium-137	10045-97-3	GAMMA_GS	3/22/05	1370 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cesium-134	13987-70-9	GAMMA_GS	3/22/05	-1.34 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cerium-144	14762-78-8	GAMMA_GS	3/22/05	-20.7 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cerium/Praseodymium-144	CE/PR-144	GAMMA_GS	3/22/05	-41.5 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Carbon-14	14762-75-5	C14_LSC	3/22/05	74 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Carbon tetrachloride	56-23-5	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Carbon disulfide	75-15-0	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Calcium	7440-70-2	6010_METALS_ICP	3/22/05	16 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Cadmium	7440-43-9	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Bromodichloromethane	75-27-4	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Bromide	24859-87-9	300.0_ANIONS_IC	3/22/05	0.09 mg/L	U
LERF/ETF#242-A Evaporator B1C8C7	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	3/22/05	74 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Beryllium	7440-41-7	6010_METALS_ICP	3/22/05	0.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Beryllium	7440-41-7	200.8_METALS_ICPMS	3/22/05	0.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Benzyl alcohol	100-51-8	8270_SVOA_GCMS	3/22/05	21 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Benzothiazole	95-16-9	8270_SVOA_GCMS	3/22/05	0.31 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Benzene	71-43-2	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Barium	7440-39-3	200.8_METALS_ICPMS	3/22/05	3.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Barium	7440-39-3	6010_METALS_ICP	3/22/05	0.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Arsenic	7440-39-2	200.8_METALS_ICPMS	3/22/05	0.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1260	11096-82-5	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1254	11097-69-1	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1248	12672-29-6	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1242	53469-21-9	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1232	11141-18-5	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1221	11104-28-2	8082_PCB_GC	3/22/05	0.2 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aroclor-1016	12674-11-2	8082_PCB_GC	3/22/05	0.099 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Antimony-125	14234-35-6	GAMMA_GS	3/22/05	13.7 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Antimony	7440-36-0	6010_METALS_ICP	3/22/05	25 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Antimony	7440-36-0	200.8_METALS_ICPMS	3/22/05	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Americium-241	14598-10-2	AMCMISO_IE_PREC_AE	3/22/05	0.22 pCi/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aluminum	7429-90-5	6010_METALS_ICP	3/22/05	27 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Aluminum	7429-90-5	200.8_METALS_ICPMS	3/22/05	9.4 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Acetophenone	98-86-2	8270_SVOA_GCMS	3/22/05	0.32 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Acetone	67-64-1	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	Acenaphthene	83-32-6	8270_SVOA_GCMS	3/22/05	2.6 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	4-Nitrophenol	100-02-7	8270_SVOA_GCMS	3/22/05	1.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	4-Methyl-2-Pentanone	108-10-1	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	4-Chloro-3-methylphenol	59-50-7	8270_SVOA_GCMS	3/22/05	0.44 ug/L	U

LERF/ETF#242-A Evaporator B1C8C7	3+4 Methylphenol (cresol, m+p)	65794-96-9	8270_SVOA_GCMS	3/22/05	0.6 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Picoline	109-06-8	8270_SVOA_GCMS	3/22/05	0.92 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Pentanone	107-87-9	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Nitrophenol	88-75-5	8270_SVOA_GCMS	3/22/05	0.54 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Methylphenol (cresol, o-)	95-48-7	8270_SVOA_GCMS	3/22/05	0.24 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Hexanone	581-78-6	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Chlorophenol	95-57-8	8270_SVOA_GCMS	3/22/05	2.1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	3/22/05	7.6 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2-Butanone	78-93-3	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2,4-Dinitrotoluene	121-14-2	8270_SVOA_GCMS	3/22/05	0.36 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	2,4-Dichlorophenol	120-83-2	8270_SVOA_GCMS	3/22/05	0.5 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1-Butanol	71-36-3	8260_VOA_GCMS	3/22/05	140 ug/L	J
LERF/ETF#242-A Evaporator B1C8C7	1,4-Dichlorobenzene	106-46-7	8270_SVOA_GCMS	3/22/05	1.3 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,4-Dichlorobenzene	106-46-7	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,2-Dichloroethene (Total)	540-59-0	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,2-Dichloroethane	107-06-2	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,2,4-Trichlorobenzene	120-82-1	8270_SVOA_GCMS	3/22/05	1.7 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,1-Dichloroethene	75-35-4	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,1-Dichloroethane	75-34-3	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,1,2-Trichloroethane	79-00-5	8260_VOA_GCMS	3/22/05	1 ug/L	U
LERF/ETF#242-A Evaporator B1C8C7	1,1,1-Trichloroethane	71-55-6	8260_VOA_GCMS	3/22/05	1 ug/L	U
PROCESS CONDENSATE 2106586	ZINC-65	13962-39-3	GAMMA SCAN	3/24/04	17.5 pCi/L	U
PROCESS CONDENSATE 2106586	ZINC	7440-66-8	SW-846 6010	3/24/04	5.2 ug/L	U
PROCESS CONDENSATE 2106586	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2106586	VINYL CHLORIDE	75-01-4	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2106586	VANADIUM	7440-62-2	SW-846 6010	3/24/04	3.6 ug/L	U
PROCESS CONDENSATE 2106586	URANIUM (TOTAL)	7440-61-1	EPA-800 200.8	3/24/04	0.1 ug/L	U
PROCESS CONDENSATE 2106586	TRITIUM	10028-17-8	EPA-800 906.0	3/24/04	2200000 pCi/L	U
PROCESS CONDENSATE 2106586	TRICHLOROETHENE	79-01-6	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2106586	TRIBUTYL PHOSPHATE	128-73-8	SW-846 8270B	3/24/04	3.3 ug/L	U
PROCESS CONDENSATE 2106586	TRI(2-CHLOROETHYL) PHOSPHATE	115-86-8	SW-846 8270B	3/24/04	1.9 ug/L	U
PROCESS CONDENSATE 2106586	TOTAL SUSPENDED SOLIDS	TSS	EPA-800 160.2	3/24/04	1000 ug/L	U
PROCESS CONDENSATE 2106586	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/24/04	12.47 mg/L	D
PROCESS CONDENSATE 2106586	TOTAL DISSOLVED SOLIDS	TDS	EPA-800 160.1	3/24/04	10000 ug/L	U
PROCESS CONDENSATE 2106586	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/24/04	17 ug/L	U
PROCESS CONDENSATE 2106586	TOLUENE	108-88-3	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2106586	TITANIUM	7440-32-6	SW-846 6010	3/24/04	2.6 ug/L	U
PROCESS CONDENSATE 2106586	TIN-113	13966-06-8	GAMMA SCAN	3/24/04	24 pCi/L	U
PROCESS CONDENSATE 2106586	THALLIUM	7440-28-0	SW-846 6010	3/24/04	22 ug/L	U
PROCESS CONDENSATE 2106586	TETRAHYDROFURAN	109-99-6	SW-846 8260A	3/24/04	420 ug/L	U
PROCESS CONDENSATE 2106586	TETRADECANE	829-59-4	SW-846 8270B	3/24/04	3.1 ug/L	U
PROCESS CONDENSATE 2106586	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2106586	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/24/04	27 pCi/L	U
PROCESS CONDENSATE 2106586	SULFATE	14808-79-8	EPA-800 300.0	3/24/04	0.1 mg/L	U
PROCESS CONDENSATE 2106586	STRONTIUM-90	10096-67-2	STRONTIUM-90 SPEC	3/24/04	410 pCi/L	U
PROCESS CONDENSATE 2106586	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-800 120.1	3/24/04	82.3 umhos/cm	U
PROCESS CONDENSATE 2106586	SODIUM	7440-23-5	SW-846 6010	3/24/04	291 ug/L	U
PROCESS CONDENSATE 2106586	SILVER	7440-22-4	SW-846 6010	3/24/04	2.3 ug/L	U
PROCESS CONDENSATE 2106586	SILICON	7440-21-3	SW-846 6010	3/24/04	1965 ug/L	U
PROCESS CONDENSATE 2106586	SELENIUM	7782-49-2	EPA-800 200.8	3/24/04	0.4 ug/L	U
PROCESS CONDENSATE 2106586	RUTHENIUM-106	13967-48-1	GAMMA SCAN	3/24/04	123 pCi/L	U
PROCESS CONDENSATE 2106586	RUTHENIUM-103	13968-53-1	GAMMA SCAN	3/24/04	19.2 pCi/L	U
PROCESS CONDENSATE 2106586	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	3/24/04	0.05 pCi/L	U
PROCESS CONDENSATE 2106586	PYRENE	129-00-0	SW-846 8270B	3/24/04	2.8 ug/L	U
PROCESS CONDENSATE 2106586	PROPIONITRILE	107-12-0	SW-846 8260A	3/24/04	2 ug/L	U
PROCESS CONDENSATE 2106586	POTASSIUM	7440-09-7	SW-846 6010	3/24/04	178 ug/L	U
PROCESS CONDENSATE 2106586	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/24/04	0.64 pCi/L	U
PROCESS CONDENSATE 2106586	PLUTONIUM-238	13981-16-3	PUPRECIP	3/24/04	0.17 pCi/L	U
PROCESS CONDENSATE 2106586	PHOSPHATE (AS P)	14265-44-2	EPA-800 300.0	3/24/04	0.05 mg/L	U
PROCESS CONDENSATE 2106586	PHENOL	108-95-2	SW-846 8270B	3/24/04	2.3 ug/L	U
PROCESS CONDENSATE 2106586	PH MEASUREMENT	PH	EPA-800 150.1	3/24/04	10.25 pH	U
PROCESS CONDENSATE 2106586	PENTACHLOROPHENOL	87-68-5	SW-846 8270B	3/24/04	2.3 ug/L	U
PROCESS CONDENSATE 2106586	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	3/24/04	2.3 ug/L	U

PROCESS CONDENSATE 2 L06586	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	3/24/04	4.3 ug/L	U
PROCESS CONDENSATE 2 L06586	NITRITE (AS N)	NO2-N	EPA-800 300.0	3/24/04	0.02 mg/L	U
PROCESS CONDENSATE 2 L06586	NITRATE (AS N)	NO3-N	EPA-800 300.0	3/24/04	0.01 mg/L	U
PROCESS CONDENSATE 2 L06586	NIOBIUM-94	14681-83-1	GAMMA SCAN	3/24/04	7.25 pCi/L	U
PROCESS CONDENSATE 2 L06586	NICKEL	7440-02-0	SW-846 6010	3/24/04	3.2 ug/L	U
PROCESS CONDENSATE 2 L06586	NEPTUNIUM-237	13984-20-2	PUPRECIP	3/24/04	0.05 pCi/L	UU
PROCESS CONDENSATE 2 L06586	NAPHTHALENE	91-20-3	SW-846 8270B	3/24/04	3.2 ug/L	U
PROCESS CONDENSATE 2 L06586	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	MERCURY	7439-97-6	EPA-800 200.8	3/24/04	0.19 ug/L	U
PROCESS CONDENSATE 2 L06586	MANGANESE	7439-96-5	SW-846 6010	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	MAGNESIUM	7439-95-4	SW-846 6010	3/24/04	36.4 ug/L	U
PROCESS CONDENSATE 2 L06586	LEAD	7439-92-1	EPA-800 200.8	3/24/04	4.57 ug/L	U
PROCESS CONDENSATE 2 L06586	IRON	7439-89-6	SW-846 6010	3/24/04	31 ug/L	U
PROCESS CONDENSATE 2 L06586	IODINE-129	15046-84-1	GAMMA SCAN	3/24/04	3.8 pCi/L	U
PROCESS CONDENSATE 2 L06586	HEXACHLOROETHANE	67-72-1	SW-846 8270B	3/24/04	7.3 ug/L	U
PROCESS CONDENSATE 2 L06586	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/24/04	9100 pCi/L	U
PROCESS CONDENSATE 2 L06586	GROSS ALPHA	12587-48-1	GROSS-ALPHA (DGPC)	3/24/04	24 pCi/L	U
PROCESS CONDENSATE 2 L06586	FLUORIDE	16984-48-8	EPA-800 300.0	3/24/04	0.02 mg/L	U
PROCESS CONDENSATE 2 L06586	EUROPIUM-155	14391-18-3	GAMMA SCAN	3/24/04	49.1 pCi/L	U
PROCESS CONDENSATE 2 L06586	EUROPIUM-154	15585-10-1	GAMMA SCAN	3/24/04	20.4 pCi/L	U
PROCESS CONDENSATE 2 L06586	EUROPIUM-152	14683-23-9	GAMMA SCAN	3/24/04	50.3 pCi/L	U
PROCESS CONDENSATE 2 L06586	DODECANE	112-40-3	SW-846 8270B	3/24/04	4.5 ug/L	U
PROCESS CONDENSATE 2 L06586	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	3/24/04	3.3 ug/L	U
PROCESS CONDENSATE 2 L06586	DECANE	124-18-5	SW-846 8270B	3/24/04	3.3 ug/L	U
PROCESS CONDENSATE 2 L06586	CYANIDE	57-12-5	EPA-800 335.2	3/24/04	4 ug/L	U
PROCESS CONDENSATE 2 L06586	CURIUM-244	13981-15-2	AM/CMPRECIP	3/24/04	0.12 pCi/L	U
PROCESS CONDENSATE 2 L06586	CURIUM-242	15510-73-3	AM/CMPRECIP	3/24/04	0.07 pCi/L	U
PROCESS CONDENSATE 2 L06586	COPPER	7440-50-8	EPA-800 200.8	3/24/04	40.9 ug/L	U
PROCESS CONDENSATE 2 L06586	COBALT-60	10198-40-0	GAMMA SCAN	3/24/04	7.68 pCi/L	U
PROCESS CONDENSATE 2 L06586	COBALT	7440-48-4	SW-846 6010	3/24/04	1.8 ug/L	U
PROCESS CONDENSATE 2 L06586	CHROMIUM	7440-47-3	EPA-800 200.8	3/24/04	3.3 ug/L	U
PROCESS CONDENSATE 2 L06586	CHLOROFORM	67-68-3	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	CHLOROBENZENE	108-90-7	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	CHLORIDE	16887-00-6	EPA-800 300.0	3/24/04	0.05 mg/L	U
PROCESS CONDENSATE 2 L06586	CESIUM-137	10045-87-3	GAMMA SCAN	3/24/04	8170 pCi/L	U
PROCESS CONDENSATE 2 L06586	CESIUM-134	13987-70-9	GAMMA SCAN	3/24/04	8.3 pCi/L	U
PROCESS CONDENSATE 2 L06586	CERIUM-144	14762-78-8	GAMMA SCAN	3/24/04	101 pCi/L	U
PROCESS CONDENSATE 2 L06586	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	3/24/04	202 pCi/L	U
PROCESS CONDENSATE 2 L06586	CARBON-14	14782-75-5	C14CHEMLSC	3/24/04	72 pCi/L	U
PROCESS CONDENSATE 2 L06586	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	CARBON DISULFIDE	75-15-0	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	CALCIUM	7440-70-2	SW-846 6010	3/24/04	97.5 ug/L	U
PROCESS CONDENSATE 2 L06586	CADMIUM	7440-43-9	EPA-800 200.8	3/24/04	0.1 ug/L	U
PROCESS CONDENSATE 2 L06586	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	BROMIDE	24959-87-9	EPA-800 300.0	3/24/04	0.05 mg/L	U
PROCESS CONDENSATE 2 L06586	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	3/24/04	230 ug/L	U
PROCESS CONDENSATE 2 L06586	BERYLLIUM	7440-41-7	SW-846 6010	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	BENZYL ALCOHOL	100-51-6	SW-846 8270B	3/24/04	2.4 ug/L	U
PROCESS CONDENSATE 2 L06586	BENZOTHAZOLE	95-16-9	SW-846 8270B	3/24/04	2.4 ug/L	U
PROCESS CONDENSATE 2 L06586	BENZENE	71-43-2	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	BARIUM	7440-39-3	SW-846 6010	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	ARSENIC	7440-39-2	EPA-800 200.8	3/24/04	0.4 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1254	11097-89-1	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1242	53489-21-9	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/24/04	0.22 ug/L	U
PROCESS CONDENSATE 2 L06586	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/24/04	0.11 ug/L	U
PROCESS CONDENSATE 2 L06586	ANTIMONY-125	14234-35-6	GAMMA SCAN	3/24/04	55.7 pCi/L	U
PROCESS CONDENSATE 2 L06586	ANTIMONY	7440-36-0	SW-846 6010	3/24/04	11 ug/L	U
PROCESS CONDENSATE 2 L06586	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	3/24/04	84200 ug/L	U
PROCESS CONDENSATE 2 L06586	AMERICIUM-241	14596-10-2	AM/CMPRECIP	3/24/04	0.67 pCi/L	U

PROCESS CONDENSATE 2 L06586	ALUMINIUM	7429-90-5	SW-846 6010	3/24/04	50 ug/L	U
PROCESS CONDENSATE 2 L06586	ACETOPHENONE	98-86-2	SW-846 8270B	3/24/04	3.5 ug/L	U
PROCESS CONDENSATE 2 L06586	ACETONE	67-84-1	SW-846 8260A	3/24/04	2100 ug/L	U
PROCESS CONDENSATE 2 L06586	ACENAPHTHENE	83-32-9	SW-846 8270B	3/24/04	3.2 ug/L	U
PROCESS CONDENSATE 2 L06586	4-NITROPHENOL	100-02-7	SW-846 8270B	3/24/04	1.9 ug/L	U
PROCESS CONDENSATE 2 L06586	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	3/24/04	1.7 ug/L	U
PROCESS CONDENSATE 2 L06586	3 & 4-METHYLPHENOL (TOTAL)	85794-96-9	SW-846 8270B	3/24/04	4.3 ug/L	U
PROCESS CONDENSATE 2 L06586	2-PICOLINE	109-06-8	SW-846 8270B	3/24/04	4.7 ug/L	U
PROCESS CONDENSATE 2 L06586	2-PENTANONE	107-87-9	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	2-NITROPHENOL	88-75-5	SW-846 8270B	3/24/04	2.7 ug/L	U
PROCESS CONDENSATE 2 L06586	2-METHYLPHENOL	95-48-7	SW-846 8270B	3/24/04	22 ug/L	U
PROCESS CONDENSATE 2 L06586	2-HEXANONE	581-78-6	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	2-CHLOROPHENOL	95-57-8	SW-846 8270B	3/24/04	2.3 ug/L	U
PROCESS CONDENSATE 2 L06586	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/24/04	58 ug/L	U
PROCESS CONDENSATE 2 L06586	2-BUTANONE	78-93-3	SW-846 8260A	3/24/04	27 ug/L	U
PROCESS CONDENSATE 2 L06586	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	3/24/04	2.4 ug/L	U
PROCESS CONDENSATE 2 L06586	2,4-DICHLOROPHENOL	120-83-2	SW-846 8270B	3/24/04	1.9 ug/L	U
PROCESS CONDENSATE 2 L06586	1-BUTANOL	71-36-3	SW-846 8260A	3/24/04	240 ug/L	J
PROCESS CONDENSATE 2 L06586	1,4-DICHLOROENZENE	108-46-7	SW-846 8270B	3/24/04	6.7 ug/L	U
PROCESS CONDENSATE 2 L06586	1,4-DICHLOROENZENE	108-46-7	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,2,4-TRICHLOROENZENE	120-82-1	SW-846 8270B	3/24/04	4 ug/L	U
PROCESS CONDENSATE 2 L06586	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06586	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	3/24/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	ZINC-65	13862-39-3	GAMMA SCAN	3/18/04	18.4 pCi/L	U
PROCESS CONDENSATE 2 L06584	ZINC	7440-66-6	SW-846 6010	3/18/04	5.2 ug/L	U
PROCESS CONDENSATE 2 L06584	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	VINYL CHLORIDE	75-01-4	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	VANADIUM	7440-62-2	SW-846 6010	3/18/04	3.6 ug/L	U
PROCESS CONDENSATE 2 L06584	URANIUM (TOTAL)	7440-61-1	EPA-900 200.8	3/18/04	0.1 ug/L	U
PROCESS CONDENSATE 2 L06584	TRITIUM	10028-17-8	EPA-600 906.0	3/18/04	1900000 pCi/L	U
PROCESS CONDENSATE 2 L06584	TRICHLOROETHENE	79-01-8	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	TRIBUTYL PHOSPHATE	128-73-8	SW-846 8270B	3/18/04	3 ug/L	U
PROCESS CONDENSATE 2 L06584	TRI(2-CHLOROETHYL) PHOSPHATE	115-96-8	SW-846 8270B	3/18/04	1.7 ug/L	U
PROCESS CONDENSATE 2 L06584	TOTAL SUSPENDED SOLIDS	TSS	EPA-900 160.2	3/18/04	1000 ug/L	U
PROCESS CONDENSATE 2 L06584	TOTAL ORGANIC CARBON	TOC	SW-846 9080	3/18/04	9.5 mg/L	U
PROCESS CONDENSATE 2 L06584	TOTAL DISSOLVED SOLIDS	TDS	EPA-900 160.1	3/18/04	9000 ug/L	U
PROCESS CONDENSATE 2 L06584	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/18/04	10 ug/L	J
PROCESS CONDENSATE 2 L06584	TOLUENE	108-88-3	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	TITANIUM	7440-32-6	SW-846 6010	3/18/04	2.8 ug/L	U
PROCESS CONDENSATE 2 L06584	TIN-113	13986-06-8	GAMMA SCAN	3/18/04	25.5 pCi/L	U
PROCESS CONDENSATE 2 L06584	THALLIUM	7440-28-0	SW-846 6010	3/18/04	22 ug/L	U
PROCESS CONDENSATE 2 L06584	TETRAHYDROFURAN	109-99-9	SW-846 8260A	3/18/04	280 ug/L	U
PROCESS CONDENSATE 2 L06584	TETRADECANE	629-59-4	SW-846 8270B	3/18/04	2.8 ug/L	U
PROCESS CONDENSATE 2 L06584	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2 L06584	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/18/04	20 pCi/L	U
PROCESS CONDENSATE 2 L06584	SULFATE	14808-79-8	EPA-900 300.0	3/18/04	0.1 mg/L	U
PROCESS CONDENSATE 2 L06584	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	3/18/04	270 pCi/L	U
PROCESS CONDENSATE 2 L06584	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-800 120.1	3/18/04	65.1 umhos/cm	U
PROCESS CONDENSATE 2 L06584	SODIUM	7440-23-5	SW-846 6010	3/18/04	291 ug/L	U
PROCESS CONDENSATE 2 L06584	SILVER	7440-22-4	SW-846 6010	3/18/04	2.3 ug/L	U
PROCESS CONDENSATE 2 L06584	SILICON	7440-21-3	SW-846 6010	3/18/04	761.7 ug/L	U
PROCESS CONDENSATE 2 L06584	SELENIUM	7782-49-2	EPA-900 200.8	3/18/04	0.4 ug/L	U
PROCESS CONDENSATE 2 L06584	RUTHENIUM-106	13967-48-1	GAMMA SCAN	3/18/04	151 pCi/L	U
PROCESS CONDENSATE 2 L06584	RUTHENIUM-103	13968-53-1	GAMMA SCAN	3/18/04	19.8 pCi/L	U
PROCESS CONDENSATE 2 L06584	RADIUM-226	13962-63-3	RADIUM-226 (AEA)	3/18/04	0.08 pCi/L	U
PROCESS CONDENSATE 2 L06584	PYRENE	129-00-0	SW-846 8270B	3/18/04	2.6 ug/L	U
PROCESS CONDENSATE 2 L06584	PROPIONITRILE	107-12-0	SW-846 8260A	3/18/04	2 ug/L	U

PROCESS CONDENSATE 2L06584	POTASSIUM	7440-09-7	SW-846 6010	3/18/04	178 ug/L	U
PROCESS CONDENSATE 2L06584	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/18/04	0.86 pCi/L	U
PROCESS CONDENSATE 2L06584	PLUTONIUM-238	13981-16-3	PUPRECIP	3/18/04	0.29 pCi/L	U
PROCESS CONDENSATE 2L06584	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	3/18/04	0.05 mg/L	U
PROCESS CONDENSATE 2L06584	PHENOL	108-95-2	SW-846 8270B	3/18/04	2.1 ug/L	U
PROCESS CONDENSATE 2L06584	PH MEASUREMENT	PH	EPA-600 150.1	3/18/04	10.18 pH	U
PROCESS CONDENSATE 2L06584	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	3/18/04	2.1 ug/L	U
PROCESS CONDENSATE 2L06584	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	3/18/04	2.1 ug/L	U
PROCESS CONDENSATE 2L06584	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	3/18/04	3.9 ug/L	U
PROCESS CONDENSATE 2L06584	NITRITE (AS N)	NO2-N	EPA-600 300.0	3/18/04	0.02 mg/L	U
PROCESS CONDENSATE 2L06584	NITRATE (AS N)	NO3-N	EPA-600 300.0	3/18/04	0.01 mg/L	U
PROCESS CONDENSATE 2L06584	NIOBIUM-94	14881-63-1	GAMMA SCAN	3/18/04	8.21 pCi/L	U
PROCESS CONDENSATE 2L06584	NICKEL	7440-02-0	SW-846 6010	3/18/04	3.2 ug/L	U
PROCESS CONDENSATE 2L06584	NEPTUNIUM-237	13994-20-2	PUPRECIP	3/18/04	0.71 pCi/L	J
PROCESS CONDENSATE 2L06584	NAPHTHALENE	91-20-3	SW-846 8270B	3/18/04	2.9 ug/L	U
PROCESS CONDENSATE 2L06584	METHYLENE CHLORIDE	75-09-2	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	MERCURY	7439-97-6	EPA-600 200.8	3/18/04	0.29 ug/L	U
PROCESS CONDENSATE 2L06584	MANGANESE	7439-96-5	SW-846 6010	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	MAGNESIUM	7439-95-4	SW-846 6010	3/18/04	37 ug/L	U
PROCESS CONDENSATE 2L06584	LEAD	7439-92-1	EPA-600 200.8	3/18/04	3.85 ug/L	U
PROCESS CONDENSATE 2L06584	IRON	7439-89-6	SW-846 6010	3/18/04	31 ug/L	U
PROCESS CONDENSATE 2L06584	IODINE-129	15046-64-1	GAMMA SCAN	3/18/04	4.3 pCi/L	U
PROCESS CONDENSATE 2L06584	HEXACHLOROETHANE	67-72-1	SW-846 8270B	3/18/04	8.7 ug/L	U
PROCESS CONDENSATE 2L06584	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/18/04	7300 pCi/L	U
PROCESS CONDENSATE 2L06584	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/18/04	9.6 pCi/L	U
PROCESS CONDENSATE 2L06584	FLUORIDE	16984-48-8	EPA-600 300.0	3/18/04	0.02 mg/L	U
PROCESS CONDENSATE 2L06584	EUROPIUM-155	14391-16-3	GAMMA SCAN	3/18/04	52.7 pCi/L	U
PROCESS CONDENSATE 2L06584	EUROPIUM-154	15585-10-1	GAMMA SCAN	3/18/04	27.6 pCi/L	U
PROCESS CONDENSATE 2L06584	EUROPIUM-152	14883-23-8	GAMMA SCAN	3/18/04	57.4 pCi/L	U
PROCESS CONDENSATE 2L06584	DODECANE	112-40-3	SW-846 8270B	3/18/04	4.1 ug/L	U
PROCESS CONDENSATE 2L06584	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	3/18/04	3 ug/L	U
PROCESS CONDENSATE 2L06584	DECANE	124-18-5	SW-846 8270B	3/18/04	3 ug/L	U
PROCESS CONDENSATE 2L06584	CYANIDE	57-12-5	EPA-600 335.2	3/18/04	4 ug/L	U
PROCESS CONDENSATE 2L06584	CURIUM-244	13981-15-2	AMICMPRECIP	3/18/04	0.14 pCi/L	U
PROCESS CONDENSATE 2L06584	CURIUM-242	15510-73-3	AMICMPRECIP	3/18/04	0.07 pCi/L	U
PROCESS CONDENSATE 2L06584	COPPER	7440-50-8	EPA-600 200.8	3/18/04	20.3 ug/L	U
PROCESS CONDENSATE 2L06584	COBALT-60	10198-40-0	GAMMA SCAN	3/18/04	10.1 pCi/L	U
PROCESS CONDENSATE 2L06584	COBALT	7440-48-4	SW-846 6010	3/18/04	1.6 ug/L	U
PROCESS CONDENSATE 2L06584	CHROMIUM	7440-47-3	EPA-600 200.8	3/18/04	3.3 ug/L	U
PROCESS CONDENSATE 2L06584	CHLOROFORM	67-66-3	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	CHLOROBENZENE	108-90-7	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	CHLORIDE	18887-00-6	EPA-600 300.0	3/18/04	0.05 mg/L	U
PROCESS CONDENSATE 2L06584	CESIUM-137	10045-97-3	GAMMA SCAN	3/18/04	7570 pCi/L	U
PROCESS CONDENSATE 2L06584	CESIUM-134	13967-70-9	GAMMA SCAN	3/18/04	10.2 pCi/L	U
PROCESS CONDENSATE 2L06584	CERIUM-144	14762-78-8	GAMMA SCAN	3/18/04	102 pCi/L	U
PROCESS CONDENSATE 2L06584	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	3/18/04	203 pCi/L	U
PROCESS CONDENSATE 2L06584	CARBON-14	14782-75-5	C14CHEMLSC	3/18/04	65 pCi/L	U
PROCESS CONDENSATE 2L06584	CARBON TETRACHLORIDE	56-23-5	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	CARBON DISULFIDE	75-15-0	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	CALCIUM	7440-70-2	SW-846 6010	3/18/04	25 ug/L	U
PROCESS CONDENSATE 2L06584	CADMIUM	7440-43-9	EPA-600 200.8	3/18/04	0.1 ug/L	U
PROCESS CONDENSATE 2L06584	BROMODICHLOROMETHANE	75-27-4	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	BROMIDE	24859-67-8	EPA-600 300.0	3/18/04	0.05 mg/L	U
PROCESS CONDENSATE 2L06584	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	3/18/04	120 ug/L	U
PROCESS CONDENSATE 2L06584	BERYLLIUM	7440-41-7	SW-846 6010	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	BENZYL ALCOHOL	100-51-6	SW-846 8270B	3/18/04	2.2 ug/L	U
PROCESS CONDENSATE 2L06584	BENZOTHAZOLE	95-18-9	SW-846 8270B	3/18/04	2.2 ug/L	U
PROCESS CONDENSATE 2L06584	BENZENE	71-43-2	SW-846 8280A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	BARIUM	7440-39-3	SW-846 6010	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	ARSENIC	7440-38-2	EPA-600 200.8	3/18/04	0.4 ug/L	U

PROCESS CONDENSATE 2L06584	AROCLOR 1260	11096-82-5	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1254	11097-69-1	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1248	12672-29-6	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1242	53469-21-9	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1232	11141-16-5	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1221	11104-28-2	SW-848 8082 (PCB)	3/18/04	0.21 ug/L	U
PROCESS CONDENSATE 2L06584	AROCLOR 1016	12674-11-2	SW-848 8082 (PCB)	3/18/04	0.11 ug/L	U
PROCESS CONDENSATE 2L06584	ANTIMONY-125	14234-35-6	GAMMA SCAN	3/18/04	61.8 pCi/L	U
PROCESS CONDENSATE 2L06584	ANTIMONY	7440-36-0	SW-848 6010	3/18/04	11 ug/L	U
PROCESS CONDENSATE 2L06584	AMMONIA (AS N)	7664-41-7	EPA-600 300.7	3/18/04	56800 ug/L	U
PROCESS CONDENSATE 2L06584	AMERICIUM-241	14596-10-2	AMCMPRECIP	3/18/04	0.62 pCi/L	U
PROCESS CONDENSATE 2L06584	ALUMINUM	7429-90-5	SW-846 6010	3/18/04	50 ug/L	U
PROCESS CONDENSATE 2L06584	ACETOPHENONE	96-66-2	SW-846 8270B	3/18/04	3.2 ug/L	U
PROCESS CONDENSATE 2L06584	ACETONE	67-64-1	SW-846 8260A	3/18/04	1400 ug/L	U
PROCESS CONDENSATE 2L06584	ACENAPHTHENE	83-32-8	SW-846 8270B	3/18/04	2.9 ug/L	U
PROCESS CONDENSATE 2L06584	4-NITROPHENOL	100-02-7	SW-846 8270B	3/18/04	1.7 ug/L	U
PROCESS CONDENSATE 2L06584	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	3/18/04	1.8 ug/L	U
PROCESS CONDENSATE 2L06584	3 & 4-METHYLPHENOL (TOTAL)	65734-96-9	SW-846 8270B	3/18/04	3.9 ug/L	U
PROCESS CONDENSATE 2L06584	2-PICOLINE	109-06-8	SW-846 8270B	3/18/04	4.3 ug/L	U
PROCESS CONDENSATE 2L06584	2-PENTANONE	107-87-9	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	2-NITROPHENOL	88-75-5	SW-846 8270B	3/18/04	2.4 ug/L	U
PROCESS CONDENSATE 2L06584	2-METHYLPHENOL	95-48-7	SW-846 8270B	3/18/04	14 ug/L	U
PROCESS CONDENSATE 2L06584	2-HEXANONE	591-78-6	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	2-CHLOROPHENOL	95-57-8	SW-846 8270B	3/18/04	2.1 ug/L	U
PROCESS CONDENSATE 2L06584	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/18/04	40 ug/L	U
PROCESS CONDENSATE 2L06584	2-BUTANONE	78-93-3	SW-846 8260A	3/18/04	19 ug/L	U
PROCESS CONDENSATE 2L06584	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	3/18/04	2.2 ug/L	U
PROCESS CONDENSATE 2L06584	2,4-DICHLOROPHENOL	120-83-2	SW-846 8270B	3/18/04	1.7 ug/L	U
PROCESS CONDENSATE 2L06584	1-BUTANOL	71-36-3	SW-846 8260A	3/18/04	150 ug/L	J
PROCESS CONDENSATE 2L06584	1,4-DICHLOROENZENE	106-46-7	SW-846 8270B	3/18/04	8.1 ug/L	U
PROCESS CONDENSATE 2L06584	1,4-DICHLOROENZENE	106-46-7	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,2,4-TRICHLOROENZENE	120-82-1	SW-846 8270B	3/18/04	3.7 ug/L	U
PROCESS CONDENSATE 2L06584	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06584	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	3/18/04	1 ug/L	U
PROCESS CONDENSATE 2L06431	ZINC-85	13982-39-3	GAMMA SCAN	9/3/03	17.3 pCi/L	U
PROCESS CONDENSATE 2L06431	ZINC	7440-66-6	SW-846 6010	9/3/03	31.5 ug/L	U
PROCESS CONDENSATE 2L06431	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	VINYL CHLORIDE	75-01-4	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	VANADIUM	7440-62-2	SW-846 6010	9/3/03	2 ug/L	U
PROCESS CONDENSATE 2L06431	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	9/3/03	0.1 ug/L	U
PROCESS CONDENSATE 2L06431	TRITIUM	10028-17-6	EPA-600 906.0	9/3/03	220000 pCi/L	U
PROCESS CONDENSATE 2L06431	TRICHLOROETHENE	79-01-6	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	9/3/03	2.6 ug/L	U
PROCESS CONDENSATE 2L06431	TRI(2-CHLOROETHYL) PHOSPHATE	115-96-8	SW-846 8270B	9/3/03	1.5 ug/L	U
PROCESS CONDENSATE 2L06431	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	9/3/03	1000 ug/L	U
PROCESS CONDENSATE 2L06431	TOTAL ORGANIC CARBON	TOC	SW-846 9060	9/3/03	34.16 mg/L	U
PROCESS CONDENSATE 2L06431	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 160.1	9/3/03	9000 ug/L	U
PROCESS CONDENSATE 2L06431	TOTAL CRESOL	1319-77-3	SW-846 8270B	9/3/03	5.6 ug/L	U
PROCESS CONDENSATE 2L06431	TOLUENE	108-88-3	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	TITANIUM	7440-32-8	SW-846 6010	9/3/03	0.5 ug/L	U
PROCESS CONDENSATE 2L06431	TIN-113	13966-05-8	GAMMA SCAN	9/3/03	17.2 pCi/L	U
PROCESS CONDENSATE 2L06431	THALLIUM	7440-28-0	SW-846 6010	9/3/03	66.1 ug/L	U
PROCESS CONDENSATE 2L06431	TETRAHYDROFURAN	109-99-9	SW-846 8260A	9/3/03	2 ug/L	U
PROCESS CONDENSATE 2L06431	TETRADECANE	629-59-4	SW-846 8270B	9/3/03	2.4 ug/L	U
PROCESS CONDENSATE 2L06431	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	9/3/03	1 ug/L	U

PROCESS CONDENSATE 2 L06431	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	9/3/03	14 pCi/L	
PROCESS CONDENSATE 2 L06431	SULFATE	14908-79-8	EPA-600 300.0	9/3/03	0.03 mg/L	U
PROCESS CONDENSATE 2 L06431	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	9/3/03	58 pCi/L	
PROCESS CONDENSATE 2 L06431	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-800 120.1	9/3/03	247 umhos/cm	
PROCESS CONDENSATE 2 L06431	SODIUM	7440-23-5	SW-846 6010	9/3/03	291 ug/L	U
PROCESS CONDENSATE 2 L06431	SILVER	7440-22-4	SW-846 6010	9/3/03	0 ug/L	U
PROCESS CONDENSATE 2 L06431	SILICON	7440-21-3	SW-846 6010	9/3/03	87.9 ug/L	B
PROCESS CONDENSATE 2 L06431	SELENIUM	7782-49-2	EPA-600 200.8	9/3/03	0.3 ug/L	U
PROCESS CONDENSATE 2 L06431	RUTHENIUM-106	13967-48-1	GAMMA SCAN	9/3/03	103 pCi/L	U
PROCESS CONDENSATE 2 L06431	RUTHENIUM-103	13968-53-1	GAMMA SCAN	9/3/03	14.2 pCi/L	U
PROCESS CONDENSATE 2 L06431	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	9/3/03	0.03 pCi/L	
PROCESS CONDENSATE 2 L06431	PYRENE	129-00-0	SW-846 6270B	9/3/03	2.2 ug/L	U
PROCESS CONDENSATE 2 L06431	PROPIONITRILE	107-12-0	SW-846 8280A	9/3/03	2 ug/L	U
PROCESS CONDENSATE 2 L06431	POTASSIUM	7440-09-7	SW-846 6010	9/3/03	25.8 ug/L	
PROCESS CONDENSATE 2 L06431	PLUTONIUM-239/240	PU-239/240	PUPRECIP	9/3/03	0.18 pCi/L	
PROCESS CONDENSATE 2 L06431	PLUTONIUM-238	13981-18-3	PUPRECIP	9/3/03	0.13 pCi/L	U
PROCESS CONDENSATE 2 L06431	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	9/3/03	0.11 mg/L	J
PROCESS CONDENSATE 2 L06431	PHENOL	108-95-2	SW-846 8270B	9/3/03	1.8 ug/L	U
PROCESS CONDENSATE 2 L06431	PH MEASUREMENT	PH	EPA-600 150.1	9/3/03	10.96 pH	
PROCESS CONDENSATE 2 L06431	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	9/3/03	1.8 ug/L	U
PROCESS CONDENSATE 2 L06431	N-NITROSODI-N-PROPYLAMINE	621-84-7	SW-846 8270B	9/3/03	1.8 ug/L	U
PROCESS CONDENSATE 2 L06431	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	9/3/03	2760 ug/L	D
PROCESS CONDENSATE 2 L06431	NITRITE (AS N)	NO2-N	EPA-600 300.0	9/3/03	0 mg/L	U
PROCESS CONDENSATE 2 L06431	NITRATE (AS N)	NO3-N	EPA-600 300.0	9/3/03	0.01 mg/L	J
PROCESS CONDENSATE 2 L06431	NIOBIUM-94	14681-63-1	GAMMA SCAN	9/3/03	9.27 pCi/L	U
PROCESS CONDENSATE 2 L06431	NICKEL	7440-02-0	SW-846 6010	9/3/03	0 ug/L	U
PROCESS CONDENSATE 2 L06431	NEPTUNIUM-237	13994-20-2	PUPRECIP	9/3/03	0.04 pCi/L	
PROCESS CONDENSATE 2 L06431	NAPHTHALENE	91-20-3	SW-846 8270B	9/3/03	2.5 ug/L	U
PROCESS CONDENSATE 2 L06431	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2 L06431	MERCURY	7439-97-6	EPA-600 200.8	9/3/03	0.23 ug/L	J
PROCESS CONDENSATE 2 L06431	MANGANESE	7439-96-5	SW-846 6010	9/3/03	0 ug/L	U
PROCESS CONDENSATE 2 L06431	MAGNESIUM	7439-95-4	SW-846 6010	9/3/03	7.9 ug/L	
PROCESS CONDENSATE 2 L06431	LEAD	7439-92-1	EPA-600 200.8	9/3/03	31.61 ug/L	
PROCESS CONDENSATE 2 L06431	IRON	7439-89-6	SW-846 6010	9/3/03	4.8 ug/L	
PROCESS CONDENSATE 2 L06431	IODINE-129	15046-84-1	GAMMA SCAN	9/3/03	4.1 pCi/L	U
PROCESS CONDENSATE 2 L06431	HEXACHLOROETHANE	67-72-1	SW-846 8270B	9/3/03	5.8 ug/L	U
PROCESS CONDENSATE 2 L06431	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	9/3/03	1300 pCi/L	
PROCESS CONDENSATE 2 L06431	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	9/3/03	2.3 pCi/L	
PROCESS CONDENSATE 2 L06431	FLUORIDE	16984-48-8	EPA-600 300.0	9/3/03	0.01 mg/L	U
PROCESS CONDENSATE 2 L06431	EUROPIUM-155	14391-18-3	GAMMA SCAN	9/3/03	43.8 pCi/L	U
PROCESS CONDENSATE 2 L06431	EUROPIUM-154	15585-10-1	GAMMA SCAN	9/3/03	25.4 pCi/L	U
PROCESS CONDENSATE 2 L06431	EUROPIUM-152	14683-23-9	GAMMA SCAN	9/3/03	36.4 pCi/L	U
PROCESS CONDENSATE 2 L06431	DODECANE	112-40-3	SW-846 8270B	9/3/03	3.6 ug/L	U
PROCESS CONDENSATE 2 L06431	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	9/3/03	2.6 ug/L	U
PROCESS CONDENSATE 2 L06431	DECANE	124-18-5	SW-846 8270B	9/3/03	2.6 ug/L	U
PROCESS CONDENSATE 2 L06431	CYANIDE	57-12-5	EPA-600 335.2	9/3/03	4 ug/L	U
PROCESS CONDENSATE 2 L06431	CURIUM-244	13981-15-2	AMCMPRECIP	9/3/03	0.13 pCi/L	U
PROCESS CONDENSATE 2 L06431	CURIUM-242	15510-73-3	AMCMPRECIP	9/3/03	0.07 pCi/L	U
PROCESS CONDENSATE 2 L06431	COPPER	7440-50-8	EPA-600 200.8	9/3/03	213.6 ug/L	
PROCESS CONDENSATE 2 L06431	COBALT-60	10198-40-0	GAMMA SCAN	9/3/03	8.64 pCi/L	U
PROCESS CONDENSATE 2 L06431	COBALT	7440-48-4	SW-846 6010	9/3/03	1.3 ug/L	
PROCESS CONDENSATE 2 L06431	CHROMIUM	7440-47-3	EPA-600 200.8	9/3/03	0.7 ug/L	
PROCESS CONDENSATE 2 L06431	CHLOROFORM	67-66-3	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2 L06431	CHLOROBENZENE	108-90-7	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2 L06431	CHLORIDE	16987-00-8	EPA-600 300.0	9/3/03	0.03 mg/L	U
PROCESS CONDENSATE 2 L06431	CESIUM-137	10045-97-3	GAMMA SCAN	9/3/03	1430 pCi/L	
PROCESS CONDENSATE 2 L06431	CESIUM-134	13967-70-8	GAMMA SCAN	9/3/03	10.5 pCi/L	U
PROCESS CONDENSATE 2 L06431	CERIUM-144	14762-78-8	GAMMA SCAN	9/3/03	82.9 pCi/L	U
PROCESS CONDENSATE 2 L06431	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	9/3/03	166 pCi/L	U
PROCESS CONDENSATE 2 L06431	CARBON-14	14782-75-5	C14CHEMLSC	9/3/03	300 pCi/L	

PROCESS CONDENSATE 2L06431	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	CARBON DISULFIDE	75-15-0	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	CALCIUM	7440-70-2	SW-846 6010	9/3/03	88.6 ug/L	U
PROCESS CONDENSATE 2L06431	CADMIUM	7440-43-9	EPA-800 200.8	9/3/03	0.1 ug/L	U
PROCESS CONDENSATE 2L06431	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	BROMIDE	24959-67-9	EPA-600 300.0	9/3/03	0.02 mg/L	U
PROCESS CONDENSATE 2L06431	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	9/3/03	56 ug/L	U
PROCESS CONDENSATE 2L06431	BERYLLIUM	7440-41-7	SW-846 6010	9/3/03	0 ug/L	U
PROCESS CONDENSATE 2L06431	BENZYL ALCOHOL	100-51-6	SW-846 8270B	9/3/03	88 ug/L	U
PROCESS CONDENSATE 2L06431	BENZOTHAZOLE	95-16-9	SW-846 8270B	9/3/03	1.9 ug/L	U
PROCESS CONDENSATE 2L06431	BENZENE	71-43-2	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	BARIUM	7440-39-3	SW-846 6010	9/3/03	0 ug/L	U
PROCESS CONDENSATE 2L06431	ARSENIC	7440-38-2	EPA-600 200.8	9/3/03	0.3 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1280	11096-82-5	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1254	11087-88-1	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1248	12672-28-6	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	9/3/03	0.21 ug/L	U
PROCESS CONDENSATE 2L06431	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	9/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06431	ANTIMONY-125	14234-35-6	GAMMA SCAN	9/3/03	38.1 pCi/L	U
PROCESS CONDENSATE 2L06431	ANTIMONY	7440-36-0	SW-846 6010	9/3/03	0.01 ug/L	U
PROCESS CONDENSATE 2L06431	AMMONIA (AS N)	7664-41-7	EPA-600 300.7	9/3/03	769000 ug/L	U
PROCESS CONDENSATE 2L06431	AMERICIUM-241	14586-10-2	AMICMPRECIP	9/3/03	0.26 pCi/L	U
PROCESS CONDENSATE 2L06431	ALUMINUM	7429-90-5	SW-846 6010	9/3/03	0.05 ug/L	U
PROCESS CONDENSATE 2L06431	ACETOPHENONE	96-86-2	SW-846 8270B	9/3/03	2.7 ug/L	U
PROCESS CONDENSATE 2L06431	ACETONE	67-64-1	SW-846 8260A	9/3/03	14 ug/L	B
PROCESS CONDENSATE 2L06431	ACENAPHTHENE	83-32-8	SW-846 8270B	9/3/03	2.5 ug/L	U
PROCESS CONDENSATE 2L06431	4-NITROPHENOL	100-02-7	SW-846 8270B	9/3/03	1.5 ug/L	U
PROCESS CONDENSATE 2L06431	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	9/3/03	1.4 ug/L	U
PROCESS CONDENSATE 2L06431	3 & 4-METHYLPHENOL (TOTAL)	65794-88-9	SW-846 8270B	9/3/03	3.4 ug/L	U
PROCESS CONDENSATE 2L06431	2-PICOLINE	109-06-8	SW-846 8270B	9/3/03	3.7 ug/L	U
PROCESS CONDENSATE 2L06431	2-PENTANONE	107-67-9	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	2-NITROPHENOL	88-75-5	SW-846 8270B	9/3/03	2.1 ug/L	U
PROCESS CONDENSATE 2L06431	2-METHYLPHENOL	95-48-7	SW-846 8270B	9/3/03	2.4 ug/L	U
PROCESS CONDENSATE 2L06431	2-HEXANONE	581-78-6	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	2-CHLOROPHENOL	95-57-8	SW-846 8270B	9/3/03	1.8 ug/L	U
PROCESS CONDENSATE 2L06431	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	9/3/03	13 ug/L	U
PROCESS CONDENSATE 2L06431	2-BUTANONE	78-93-3	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	9/3/03	1.9 ug/L	U
PROCESS CONDENSATE 2L06431	2,4-DICHLOROPHENOL	120-83-2	SW-846 8270B	9/3/03	1.5 ug/L	U
PROCESS CONDENSATE 2L06431	1-BUTANOL	71-36-3	SW-846 8260A	9/3/03	71 ug/L	J
PROCESS CONDENSATE 2L06431	1,4-DICHLOROBENZENE	106-46-7	SW-846 8270B	9/3/03	5.3 ug/L	U
PROCESS CONDENSATE 2L06431	1,4-DICHLOROBENZENE	106-46-7	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 8270B	9/3/03	3.2 ug/L	U
PROCESS CONDENSATE 2L06431	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06431	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	9/3/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	ZINC-65	13982-39-3	GAMMA SCAN	9/2/03	14.2 pCi/L	U
PROCESS CONDENSATE 2L06429	ZINC	7440-66-6	SW-846 6010	9/2/03	79.9 ug/L	U
PROCESS CONDENSATE 2L06429	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	VINYL CHLORIDE	75-01-4	SW-846 8260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	VANADIUM	7440-62-2	SW-846 6010	9/2/03	2 ug/L	U
PROCESS CONDENSATE 2L06429	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2L06429	TRITIUM	10028-17-8	EPA-600 906.0	9/2/03	220000 pCi/L	U
PROCESS CONDENSATE 2L06429	TRICHLOROETHENE	79-01-8	SW-846 8260A	9/2/03	1 ug/L	U

PROCESS CONDENSATE 2L06429	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	9/2/03	2.5 ug/L	U
PROCESS CONDENSATE 2L06429	TRI(2-CHLOROETHYL) PHOSPHATE	115-96-8	SW-846 8270B	9/2/03	1.4 ug/L	U
PROCESS CONDENSATE 2L06429	TOTAL SUSPENDED SOLIDS	TSS	EPA-800 160.2	9/2/03	1000 ug/L	U
PROCESS CONDENSATE 2L06429	TOTAL ORGANIC CARBON	TOC	SW-846 9060	9/2/03	33.88 mg/L	D
PROCESS CONDENSATE 2L06429	TOTAL DISSOLVED SOLIDS	TDS	EPA-800 160.1	9/2/03	9000 ug/L	U
PROCESS CONDENSATE 2L06429	TOTAL CRESOL	1319-77-3	SW-846 8270B	9/2/03	5.4 ug/L	U
PROCESS CONDENSATE 2L06429	TOLUENE	108-88-3	SW-846 8290A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	TITANIUM	7440-32-6	SW-846 6010	9/2/03	0.3 ug/L	U
PROCESS CONDENSATE 2L06429	TIN-113	13966-06-6	GAMMA SCAN	9/2/03	14.3 pCi/L	U
PROCESS CONDENSATE 2L06429	THALLIUM	7440-28-0	SW-846 6010	9/2/03	62.1 ug/L	U
PROCESS CONDENSATE 2L06429	TETRAHYDROFURAN	109-99-9	SW-846 8260A	9/2/03	2 ug/L	U
PROCESS CONDENSATE 2L06429	TETRADECANE	629-59-4	SW-846 8270B	9/2/03	2.3 ug/L	U
PROCESS CONDENSATE 2L06429	TETRACHLOROETHYLENE	127-18-4	SW-846 8280A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	9/2/03	8.3 pCi/L	U
PROCESS CONDENSATE 2L06429	SULFATE	14808-79-8	EPA-800 300.0	9/2/03	0.03 mg/L	U
PROCESS CONDENSATE 2L06429	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	9/2/03	58 pCi/L	U
PROCESS CONDENSATE 2L06429	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-800 120.1	9/2/03	288 umhos/cm	U
PROCESS CONDENSATE 2L06429	SODIUM	7440-23-5	SW-846 6010	9/2/03	291 ug/L	U
PROCESS CONDENSATE 2L06429	SILVER	7440-22-4	SW-846 6010	9/2/03	0 ug/L	U
PROCESS CONDENSATE 2L06429	SILICON	7440-21-3	SW-846 6010	9/2/03	76.6 ug/L	B
PROCESS CONDENSATE 2L06429	SELENIUM	7782-49-2	EPA-800 200.8	9/2/03	0.3 ug/L	U
PROCESS CONDENSATE 2L06429	RUTHENIUM-106	13967-46-1	GAMMA SCAN	9/2/03	60.1 pCi/L	U
PROCESS CONDENSATE 2L06429	RUTHENIUM-103	13968-93-1	GAMMA SCAN	9/2/03	10.6 pCi/L	U
PROCESS CONDENSATE 2L06429	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	9/2/03	0.02 pCi/L	U
PROCESS CONDENSATE 2L06429	PYRENE	129-00-0	SW-846 8270B	9/2/03	2.1 ug/L	U
PROCESS CONDENSATE 2L06429	PROPIONITRILE	107-12-0	SW-846 8260A	9/2/03	2 ug/L	U
PROCESS CONDENSATE 2L06429	POTASSIUM	7440-09-7	SW-846 6010	9/2/03	0.16 ug/L	U
PROCESS CONDENSATE 2L06429	PLUTONIUM-239/240	PLU-239/240	PUPRECIP	9/2/03	0.3 pCi/L	U
PROCESS CONDENSATE 2L06429	PLUTONIUM-238	13981-16-3	PUPRECIP	9/2/03	0.42 pCi/L	U
PROCESS CONDENSATE 2L06429	PHOSPHATE (AS P)	14265-44-2	EPA-800 300.0	9/2/03	0.18 mg/L	J
PROCESS CONDENSATE 2L06429	PHENOL	108-95-2	SW-846 8270B	9/2/03	1.7 ug/L	U
PROCESS CONDENSATE 2L06429	PH MEASUREMENT	PH	EPA-800 150.1	9/2/03	11.04 pH	U
PROCESS CONDENSATE 2L06429	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	9/2/03	1.7 ug/L	U
PROCESS CONDENSATE 2L06429	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	9/2/03	1.7 ug/L	U
PROCESS CONDENSATE 2L06429	N-NITROSODIMETHYLAMINE	62-75-8	SW-846 8270B	9/2/03	2090 ug/L	D
PROCESS CONDENSATE 2L06429	NITRITE (AS N)	NO2-N	EPA-800 300.0	9/2/03	0 mg/L	U
PROCESS CONDENSATE 2L06429	NITRATE (AS N)	NO3-N	EPA-800 300.0	9/2/03	0 mg/L	U
PROCESS CONDENSATE 2L06429	NIOBIUM-94	14661-63-1	GAMMA SCAN	9/2/03	7.15 pCi/L	U
PROCESS CONDENSATE 2L06429	NICKEL	7440-02-0	SW-846 6010	9/2/03	2.5 ug/L	U
PROCESS CONDENSATE 2L06429	NEPTUNIUM-237	13994-20-2	PUPRECIP	9/2/03	0.08 pCi/L	U
PROCESS CONDENSATE 2L06429	NAPHTHALENE	91-20-3	SW-846 8270B	9/2/03	2.4 ug/L	U
PROCESS CONDENSATE 2L06429	METHYLENE CHLORIDE	75-09-2	SW-846 8280A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2L06429	MERCURY	7439-97-0	EPA-800 200.8	9/2/03	0.42 ug/L	J
PROCESS CONDENSATE 2L06429	MANGANESE	7439-96-5	SW-846 6010	9/2/03	0 ug/L	U
PROCESS CONDENSATE 2L06429	MAGNESIUM	7439-95-4	SW-846 6010	9/2/03	11 ug/L	U
PROCESS CONDENSATE 2L06429	LEAD	7439-92-1	EPA-800 200.8	9/2/03	94.59 ug/L	U
PROCESS CONDENSATE 2L06429	IRON	7439-89-8	SW-846 6010	9/2/03	0.03 ug/L	U
PROCESS CONDENSATE 2L06429	IODINE-129	15046-84-1	GAMMA SCAN	9/2/03	4.8 pCi/L	U
PROCESS CONDENSATE 2L06429	HEXACHLOROETHANE	67-72-1	SW-846 8270B	9/2/03	5.6 ug/L	U
PROCESS CONDENSATE 2L06429	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	9/2/03	2300 pCi/L	U
PROCESS CONDENSATE 2L06429	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	9/2/03	70 pCi/L	U
PROCESS CONDENSATE 2L06429	FLUORIDE	16984-48-6	EPA-800 300.0	9/2/03	0.01 mg/L	U
PROCESS CONDENSATE 2L06429	EUROPIUM-155	14391-16-3	GAMMA SCAN	9/2/03	30.2 pCi/L	U
PROCESS CONDENSATE 2L06429	EUROPIUM-154	15585-10-1	GAMMA SCAN	9/2/03	18.6 pCi/L	U
PROCESS CONDENSATE 2L06429	EUROPIUM-152	14683-23-9	GAMMA SCAN	9/2/03	31.5 pCi/L	U
PROCESS CONDENSATE 2L06429	DODECANE	112-40-3	SW-846 8270B	9/2/03	3.4 ug/L	U
PROCESS CONDENSATE 2L06429	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	9/2/03	2.5 ug/L	U
PROCESS CONDENSATE 2L06429	DECANE	124-18-5	SW-846 8270B	9/2/03	2.5 ug/L	U
PROCESS CONDENSATE 2L06429	CYANIDE	57-12-5	EPA-800 335.2	9/2/03	4 ug/L	U
PROCESS CONDENSATE 2L06429	CURIUM-244	13981-15-2	AMICMPRECIP	9/2/03	0.21 pCi/L	U
PROCESS CONDENSATE 2L06429	CURIUM-242	15510-73-3	AMICMPRECIP	9/2/03	0.12 pCi/L	U
PROCESS CONDENSATE 2L06429	COPPER	7440-50-8	EPA-800 200.6	9/2/03	818 ug/L	U

PROCESS CONDENSATE 2106429	COBALT-60	10198-40-0	GAMMA SCAN	9/2/03	7.67 pCi/L	U
PROCESS CONDENSATE 2106429	COBALT	7440-48-4	SW-846 6010	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	CHROMIUM	7440-47-3	EPA-600 200.8	9/2/03	0.77 ug/L	U
PROCESS CONDENSATE 2106429	CHLOROFORM	67-66-3	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	CHLORO BENZENE	108-90-7	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	CHLORIDE	16887-00-6	EPA-600 300.0	9/2/03	0.03 mg/L	U
PROCESS CONDENSATE 2106429	CESIUM-137	10045-97-3	GAMMA SCAN	9/2/03	2020 pCi/L	U
PROCESS CONDENSATE 2106429	CESIUM-134	13667-70-9	GAMMA SCAN	9/2/03	7.58 pCi/L	U
PROCESS CONDENSATE 2106429	CERIUM-144	14762-78-8	GAMMA SCAN	9/2/03	60.3 pCi/L	U
PROCESS CONDENSATE 2106429	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	9/2/03	121 pCi/L	U
PROCESS CONDENSATE 2106429	CARBON-14	14782-75-5	C14CHEMLSC	9/2/03	280 pCi/L	U
PROCESS CONDENSATE 2106429	CARBON TETRACHLORIDE	58-23-6	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	CARBON DISULFIDE	75-15-0	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	CALCIUM	7440-70-2	SW-846 6010	9/2/03	13.6 ug/L	U
PROCESS CONDENSATE 2106429	CAESIUM	7440-43-9	EPA-600 200.8	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	BROMODICHLOROMETHANE	75-27-4	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	BROMIDE	24959-67-9	EPA-600 300.0	9/2/03	0.02 mg/L	U
PROCESS CONDENSATE 2106429	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 6270B	9/2/03	82 ug/L	U
PROCESS CONDENSATE 2106429	BERYLLIUM	7440-41-7	SW-846 6010	9/2/03	0 ug/L	U
PROCESS CONDENSATE 2106429	BENZYL ALCOHOL	100-51-6	SW-846 6270B	9/2/03	59 ug/L	U
PROCESS CONDENSATE 2106429	BENZOTHAZOLE	95-16-9	SW-846 6270B	9/2/03	1.8 ug/L	U
PROCESS CONDENSATE 2106429	BENZENE	71-43-2	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	BARIUM	7440-39-3	SW-846 6010	9/2/03	0 ug/L	U
PROCESS CONDENSATE 2106429	ARSENIC	7440-38-2	EPA-600 200.8	9/2/03	0.3 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1221	11104-26-2	SW-846 8082 (PCB)	9/2/03	0.2 ug/L	U
PROCESS CONDENSATE 2106429	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	9/2/03	0.1 ug/L	U
PROCESS CONDENSATE 2106429	ANTIMONY-125	14234-35-6	GAMMA SCAN	9/2/03	32.2 pCi/L	U
PROCESS CONDENSATE 2106429	ANTIMONY	7440-38-0	SW-846 6010	9/2/03	0.01 ug/L	U
PROCESS CONDENSATE 2106429	AMMONIA (AS N)	7864-41-7	EPA-600 300.7	9/2/03	752000 ug/L	U
PROCESS CONDENSATE 2106429	AMERICIUM-241	14596-10-2	AM/CMPRECIP	9/2/03	0.31 pCi/L	U
PROCESS CONDENSATE 2106429	ALUMINUM	7429-90-6	SW-846 6010	9/2/03	0.3 ug/L	U
PROCESS CONDENSATE 2106429	ACETOPHENONE	98-88-2	SW-846 6270B	9/2/03	2.6 ug/L	U
PROCESS CONDENSATE 2106429	ACETONE	67-64-1	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	ACENAPHTHENE	83-32-9	SW-846 6270B	9/2/03	2.4 ug/L	U
PROCESS CONDENSATE 2106429	4-NITROPHENOL	100-02-7	SW-846 6270B	9/2/03	1.4 ug/L	U
PROCESS CONDENSATE 2106429	4-METHYL-2-PENTANONE	106-10-1	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 6270B	9/2/03	1.3 ug/L	U
PROCESS CONDENSATE 2106429	3 & 4-METHYLPHENOL (TOTAL)	65794-96-6	SW-846 6270B	9/2/03	3.2 ug/L	U
PROCESS CONDENSATE 2106429	2-PICOLINE	109-06-8	SW-846 6270B	9/2/03	3.5 ug/L	U
PROCESS CONDENSATE 2106429	2-PENTANONE	107-87-9	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	2-NITROPHENOL	88-75-5	SW-846 6270B	9/2/03	2 ug/L	U
PROCESS CONDENSATE 2106429	2-METHYLPHENOL	95-48-7	SW-846 6270B	9/2/03	2.3 ug/L	U
PROCESS CONDENSATE 2106429	2-HEXANONE	591-78-6	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	2-CHLOROPHENOL	95-57-8	SW-846 6270B	9/2/03	1.7 ug/L	U
PROCESS CONDENSATE 2106429	2-BUTOXYETHANOL	111-76-2	SW-846 6270B	9/2/03	9.8 ug/L	U
PROCESS CONDENSATE 2106429	2-BUTANONE	78-93-3	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	2,4-DINITROTOLUENE	121-14-2	SW-846 6270B	9/2/03	1.8 ug/L	U
PROCESS CONDENSATE 2106429	2,4-DICHLOROPHENOL	120-83-2	SW-846 6270B	9/2/03	1.4 ug/L	U
PROCESS CONDENSATE 2106429	1-BUTANOL	71-36-3	SW-846 6260A	9/2/03	20 ug/L	U
PROCESS CONDENSATE 2106429	1,4-DICHLOROBENZENE	106-46-7	SW-846 6270B	9/2/03	5.1 ug/L	U
PROCESS CONDENSATE 2106429	1,4-DICHLOROBENZENE	106-46-7	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,2-DICHLOROETHANE	107-06-2	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 6270B	9/2/03	3 ug/L	U
PROCESS CONDENSATE 2106429	1,1-DICHLOROETHENE	75-35-4	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,1-DICHLOROETHANE	75-34-3	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 6260A	9/2/03	1 ug/L	U
PROCESS CONDENSATE 2106429	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 6260A	9/2/03	1 ug/L	U

PROCESS CONDENSATE 2L06255	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06255	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/4/03	0.13 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06254	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/3/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06231	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	1/14/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06230	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	1/13/03	0.11 ug/L	U
PROCESS CONDENSATE 2L06106	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	11/13/02	1000 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	11/13/02	0.21 ug/L	U
PROCESS CONDENSATE 2L06106	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	11/13/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	11/11/02	1000 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	11/11/02	0.21 ug/L	U
PROCESS CONDENSATE 2L06103	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	11/11/02	0.1 ug/L	U
PROCESS CONDENSATE 2L05478	ZINC-65	13982-39-3	GAMMA SCAN	3/21/01	15.2 pCi/L	U
PROCESS CONDENSATE 2L05478	ZINC	7440-86-6	SW-846 6010	3/21/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05478	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	3/21/01	1.2 ug/L	U
PROCESS CONDENSATE 2L05478	VINYL CHLORIDE	75-01-4	SW-846 8260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05478	VANADIUM	7440-62-2	SW-846 6010	3/21/01	5.55 ug/L	U
PROCESS CONDENSATE 2L05478	URANIUM (TOTAL)	7440-61-1	EPA-900 200.6	3/21/01	0.13 ug/L	U
PROCESS CONDENSATE 2L05478	TRITIUM	10028-17-6	H3LOWLSC	3/21/01	2600000 pCi/L	U
PROCESS CONDENSATE 2L05478	TRICHLOROETHENE	79-01-6	SW-846 8260A	3/21/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05478	TRIBUTYL PHOSPHATE	126-73-6	SW-846 8270B	3/21/01	120 ug/L	U
PROCESS CONDENSATE 2L05478	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	3/21/01	1000 ug/L	U
PROCESS CONDENSATE 2L05478	TOTAL ORGANIC CARBON	TOC	SW-846 6060	3/21/01	59.85 mg/L	U
PROCESS CONDENSATE 2L05478	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 160.1	3/21/01	9000 ug/L	U
PROCESS CONDENSATE 2L05478	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/21/01	18 ug/L	U
PROCESS CONDENSATE 2L05478	TOLUENE	108-88-3	SW-846 8260A	3/21/01	0.7 ug/L	U
PROCESS CONDENSATE 2L05478	TITANIUM	7440-32-6	SW-846 6010	3/21/01	6.66 ug/L	U
PROCESS CONDENSATE 2L05478	TIN-113	13996-08-6	GAMMA SCAN	3/21/01	13.1 pCi/L	U
PROCESS CONDENSATE 2L05478	THALLIUM	7440-28-0	SW-846 6010	3/21/01	74.37 ug/L	U
PROCESS CONDENSATE 2L05478	TETRAHYDROFURAN	105-99-9	SW-846 8260A	3/21/01	160 ug/L	U
PROCESS CONDENSATE 2L05478	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	3/21/01	0.5 ug/L	U

PROCESS CONDENSATE 2105478	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/21/01	8.8 pCi/L	
PROCESS CONDENSATE 2105478	SULFATE	14808-79-8	EPA-600 300.0	3/21/01	0.2 mg/L	U
PROCESS CONDENSATE 2105478	STRONTIUM-90	10088-97-2	STRONTIUM-90 SPEC	3/21/01	21 pCi/L	
PROCESS CONDENSATE 2105478	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/21/01	61.6 umhos/cm	
PROCESS CONDENSATE 2105478	SODIUM	7440-23-5	SW-846 6010	3/21/01	81.4 ug/L	U
PROCESS CONDENSATE 2105478	SILVER	7440-22-4	SW-846 6010	3/21/01	4.44 ug/L	U
PROCESS CONDENSATE 2105478	SILICON	7440-21-3	SW-846 6010	3/21/01	808 ug/L	U
PROCESS CONDENSATE 2105478	SELENIUM	7782-49-2	EPA-600 200.8	3/21/01	0.38 ug/L	U
PROCESS CONDENSATE 2105478	RUTHENIUM-106	13967-48-1	GAMMA SCAN	3/21/01	83.3 pCi/L	U
PROCESS CONDENSATE 2105478	RUTHENIUM-103	13968-53-1	GAMMA SCAN	3/21/01	9.38 pCi/L	U
PROCESS CONDENSATE 2105478	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	3/21/01	0.02 pCi/L	U
PROCESS CONDENSATE 2105478	PYRENE	129-00-0	SW-846 8270B	3/21/01	2.5 ug/L	U
PROCESS CONDENSATE 2105478	PROPIONITRILE	107-12-0	SW-846 8260A	3/21/01	3 ug/L	U
PROCESS CONDENSATE 2105478	POTASSIUM	7440-09-7	SW-846 6010	3/21/01	654.9 ug/L	U
PROCESS CONDENSATE 2105478	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/21/01	0.13 pCi/L	U
PROCESS CONDENSATE 2105478	PLUTONIUM-238	13981-16-3	PUPRECIP	3/21/01	0.12 pCi/L	U
PROCESS CONDENSATE 2105478	PHOSPHATE (AS P)	14285-44-2	EPA-600 300.0	3/21/01	0.05 mg/L	U
PROCESS CONDENSATE 2105478	PHENOL	108-95-2	SW-846 8270B	3/21/01	10 ug/L	U
PROCESS CONDENSATE 2105478	PH MEASUREMENT	PH	EPA-600 150.1	3/21/01	10.39 pH	
PROCESS CONDENSATE 2105478	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	3/21/01	13 ug/L	U
PROCESS CONDENSATE 2105478	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	3/21/01	7 ug/L	U
PROCESS CONDENSATE 2105478	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	3/21/01	12 ug/L	U
PROCESS CONDENSATE 2105478	NITRITE (AS N)	NO2-N	EPA-600 300.0	3/21/01	0.02 mg/L	U
PROCESS CONDENSATE 2105478	NITRATE (AS N)	NO3-N	EPA-600 300.0	3/21/01	0.04 mg/L	U
PROCESS CONDENSATE 2105478	NIOBIUM-94	14881-83-1	GAMMA SCAN	3/21/01	7.11 pCi/L	U
PROCESS CONDENSATE 2105478	NICKEL	7440-02-0	SW-846 6010	3/21/01	11.1 ug/L	U
PROCESS CONDENSATE 2105478	NEPTUNIUM-237	13994-20-2	PUPRECIP	3/21/01	0.08 pCi/L	U
PROCESS CONDENSATE 2105478	NAPHTHALENE	91-20-3	SW-846 8270B	3/21/01	21 ug/L	U
PROCESS CONDENSATE 2105478	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	3/21/01	0.4 ug/L	U
PROCESS CONDENSATE 2105478	MERCURY	7439-97-6	EPA-600 200.8	3/21/01	0.38 ug/L	U
PROCESS CONDENSATE 2105478	MANGANESE	7439-96-5	SW-846 6010	3/21/01	4.44 ug/L	U
PROCESS CONDENSATE 2105478	MAGNESIUM	7439-95-4	SW-846 6010	3/21/01	61.05 ug/L	U
PROCESS CONDENSATE 2105478	LEAD	7439-92-1	EPA-600 200.8	3/21/01	1.82 ug/L	U
PROCESS CONDENSATE 2105478	IRON	7439-89-6	SW-846 6010	3/21/01	21.09 ug/L	U
PROCESS CONDENSATE 2105478	IODINE-129	15046-84-1	I-129 (LEPS)	3/21/01	3.4 pCi/L	U
PROCESS CONDENSATE 2105478	HEXACHLOROETHANE	67-72-1	SW-846 8270B	3/21/01	32 ug/L	U
PROCESS CONDENSATE 2105478	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/21/01	1200 pCi/L	
PROCESS CONDENSATE 2105478	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/21/01	4 pCi/L	
PROCESS CONDENSATE 2105478	FLUORIDE	16984-48-8	EPA-600 300.0	3/21/01	0.01 mg/L	U
PROCESS CONDENSATE 2105478	EUROPIUM-155	14391-16-3	GAMMA SCAN	3/21/01	29.1 pCi/L	U
PROCESS CONDENSATE 2105478	EUROPIUM-154	15585-10-1	GAMMA SCAN	3/21/01	21.5 pCi/L	U
PROCESS CONDENSATE 2105478	EUROPIUM-152	14683-23-9	GAMMA SCAN	3/21/01	30.4 pCi/L	U
PROCESS CONDENSATE 2105478	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	3/21/01	9 ug/L	U
PROCESS CONDENSATE 2105478	CYANIDE	57-12-5	EPA-600 335.2	3/21/01	5 ug/L	U
PROCESS CONDENSATE 2105478	CURIUM-244	13981-15-2	AM/CMPRECIP	3/21/01	0.18 pCi/L	U
PROCESS CONDENSATE 2105478	CURIUM-242	15510-73-3	AM/CMPRECIP	3/21/01	0.11 pCi/L	U
PROCESS CONDENSATE 2105478	COPPER	7440-50-8	EPA-600 200.8	3/21/01	1.28 ug/L	U
PROCESS CONDENSATE 2105478	COBALT-60	10198-40-0	GAMMA SCAN	3/21/01	7.03 pCi/L	U
PROCESS CONDENSATE 2105478	COBALT	7440-48-4	SW-846 6010	3/21/01	4.44 ug/L	U
PROCESS CONDENSATE 2105478	CHROMIUM	7440-47-3	EPA-600 200.8	3/21/01	0.38 ug/L	U
PROCESS CONDENSATE 2105478	CHLOROFORM	67-68-3	SW-846 8260A	3/21/01	0.4 ug/L	U
PROCESS CONDENSATE 2105478	CHLOROBENZENE	108-90-7	SW-846 8260A	3/21/01	0.4 ug/L	U
PROCESS CONDENSATE 2105478	CHLORIDE	16887-00-6	EPA-600 300.0	3/21/01	0.03 mg/L	U
PROCESS CONDENSATE 2105478	CESIUM-137	10045-87-3	GAMMA SCAN	3/21/01	1280 pCi/L	U
PROCESS CONDENSATE 2105478	CESIUM-134	13987-70-9	GAMMA SCAN	3/21/01	7.03 pCi/L	U
PROCESS CONDENSATE 2105478	CERIUM-144	14762-78-8	GAMMA SCAN	3/21/01	59.4 pCi/L	U
PROCESS CONDENSATE 2105478	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	3/21/01	119 pCi/L	U
PROCESS CONDENSATE 2105478	CARBON-14	14762-75-5	C14CHEMLSC	3/21/01	18 pCi/L	
PROCESS CONDENSATE 2105478	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2105478	CARBON DISULFIDE	75-15-0	SW-846 8260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2105478	CALCIUM	7440-70-2	SW-846 6010	3/21/01	23.31 ug/L	U
PROCESS CONDENSATE 2105478	CADMIUM	7440-43-8	EPA-600 200.8	3/21/01	0.13 ug/L	U
PROCESS CONDENSATE 2105478	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	3/21/01	0.4 ug/L	U

PROCESS CONDENSATE 2L05478	BROMIDE	24959-67-9	EPA-600 300.0	3/21/01	0.1 mg/L	U
PROCESS CONDENSATE 2L05478	BERYLLIUM	7440-41-7	SW-846 6010	3/21/01	5.55 ug/L	U
PROCESS CONDENSATE 2L05478	BENZYL ALCOHOL	100-51-6	SW-846 6270B	3/21/01	4.5 ug/L	U
PROCESS CONDENSATE 2L05478	BENZENE	71-43-2	SW-846 6260A	3/21/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05478	BARIIUM	7440-39-3	SW-846 6010	3/21/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05478	ARSENIC	7440-38-2	EPA-600 200.8	3/21/01	0.38 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1260	11098-82-5	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1260	11098-82-5	SW-846 8082 (PCB)	3/21/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1260	11098-82-5	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/21/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/21/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/21/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05493	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/21/01	0.1 ug/L	U
PROCESS CONDENSATE 2L05493RPA	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/21/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05493R	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/21/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05478	ANTIMONY-125	14234-35-6	GAMMA SCAN	3/21/01	30.8 pCi/L	U
PROCESS CONDENSATE 2L05478	ANTIMONY	7440-36-0	SW-846 6010	3/21/01	55.5 ug/L	U
PROCESS CONDENSATE 2L05478	ANTIMONY	7440-36-0	EPA-600 200.8	3/21/01	0.63 ug/L	U
PROCESS CONDENSATE 2L05478	AMMONIA (AS N)	7664-41-7	EPA-600 300.7	3/21/01	64860 ug/L	U
PROCESS CONDENSATE 2L05478	AMERICIUM-241	14598-10-2	AM/CMPRECIP	3/21/01	0.22 pCi/L	U
PROCESS CONDENSATE 2L05478	ALUMINIUM	7429-90-5	SW-846 6010	3/21/01	27.75 ug/L	U
PROCESS CONDENSATE 2L05478	ALKALINITY (MG CaCO3/L)	ALKALINITY	EPA-600 310.1	3/21/01	166 mg/L	U
PROCESS CONDENSATE 2L05478	ACETOPHENONE	98-86-2	SW-846 6270B	3/21/01	6 ug/L	U
PROCESS CONDENSATE 2L05478	ACETONE	67-64-1	SW-846 6260A	3/21/01	3100 ug/L	U
PROCESS CONDENSATE 2L05478	ACENAPHTHENE	83-32-9	SW-846 6270B	3/21/01	18 ug/L	U
PROCESS CONDENSATE 2L05478	4-NITROPHENOL	100-02-7	SW-846 6270B	3/21/01	5.5 ug/L	U
PROCESS CONDENSATE 2L05478	4-METHYL-2-PENTANONE	108-10-1	SW-846 6260A	3/21/01	0.9 ug/L	U
PROCESS CONDENSATE 2L05478	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 6270B	3/21/01	3.5 ug/L	U
PROCESS CONDENSATE 2L05478	3-METHYLPHENOL	108-39-4	SW-846 6270B	3/21/01	11 ug/L	U
PROCESS CONDENSATE 2L05478	2-PENTANONE	107-67-9	SW-846 6260A	3/21/01	36 ug/L	U
PROCESS CONDENSATE 2L05478	2-METHYLPHENOL	95-48-7	SW-846 6270B	3/21/01	8 ug/L	U
PROCESS CONDENSATE 2L05478	2-HEXANONE	591-78-6	SW-846 6260A	3/21/01	12 ug/L	U
PROCESS CONDENSATE 2L05478	2-CHLOROPHENOL	95-57-8	SW-846 6270B	3/21/01	4.5 ug/L	U
PROCESS CONDENSATE 2L05478	2-BUTOXYETHANOL	111-76-2	SW-846 6270B	3/21/01	2300 ug/L	U
PROCESS CONDENSATE 2L05478	2-BUTANONE	78-93-3	SW-846 6260A	3/21/01	84 ug/L	U
PROCESS CONDENSATE 2L05478	2,4-DIMETROTOLUENE	121-14-2	SW-846 6270B	3/21/01	8 ug/L	U
PROCESS CONDENSATE 2L05478	1-BUTANOL	71-36-3	SW-846 6260A	3/21/01	9400 ug/L	U
PROCESS CONDENSATE 2L05478	1,4-DICHLOROBENZENE	106-46-7	SW-846 6270B	3/21/01	28 ug/L	U
PROCESS CONDENSATE 2L05478	1,4-DICHLOROBENZENE	106-46-7	SW-846 6260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05478	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 6260A	3/21/01	1.2 ug/L	U
PROCESS CONDENSATE 2L05478	1,2-DICHLOROETHANE	107-06-2	SW-846 6260A	3/21/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05478	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 6270B	3/21/01	27 ug/L	U
PROCESS CONDENSATE 2L05478	1,1-DICHLOROETHENE	75-35-4	SW-846 6260A	3/21/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05478	1,1-DICHLOROETHANE	75-34-3	SW-846 6260A	3/21/01	0.3 ug/L	U
PROCESS CONDENSATE 2L05478	1,1,2-TRICHLOROETHANE	78-00-5	SW-846 6260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05478	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 6260A	3/21/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05474	ZINC-65	13982-39-3	GAMMA SCAN	3/18/01	14.2 pCi/L	U
PROCESS CONDENSATE 2L05474	ZINC	7440-66-6	SW-846 6010	3/18/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05474	XYLENE (TOTAL)	1330-20-7	SW-846 6260A	3/18/01	1.2 ug/L	U
PROCESS CONDENSATE 2L05474	VINYL CHLORIDE	75-01-4	SW-846 6260A	3/18/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05474	VANADIUM	7440-62-2	SW-846 6010	3/18/01	5.55 ug/L	U

PROCESS CONDENSATE 2L05474	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	3/18/01	0.13 ug/L	U
PROCESS CONDENSATE 2L05474	TRITIUM	10028-17-8	H3LOWLSC	3/18/01	2500000 pCi/L	U
PROCESS CONDENSATE 2L05474	TRICHLOROETHENE	78-01-6	SW-846 8260A	3/18/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05474	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	3/18/01	100 ug/L	U
PROCESS CONDENSATE 2L05474	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 180.2	3/18/01	1000 ug/L	U
PROCESS CONDENSATE 2L05474	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/18/01	68.4 mg/L	U
PROCESS CONDENSATE 2L05474	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 180.1	3/18/01	9000 ug/L	U
PROCESS CONDENSATE 2L05474	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/18/01	3.6 ug/L	U
PROCESS CONDENSATE 2L05474	TOLUENE	108-88-3	SW-846 8260A	3/18/01	0.7 ug/L	U
PROCESS CONDENSATE 2L05474	TITANIUM	7440-32-6	SW-846 6010	3/18/01	6.66 ug/L	U
PROCESS CONDENSATE 2L05474	TIN-113	13966-06-8	GAMMA SCAN	3/18/01	10.7 pCi/L	U
PROCESS CONDENSATE 2L05474	THALLIUM	7440-28-0	SW-846 6010	3/18/01	74.37 ug/L	U
PROCESS CONDENSATE 2L05474	TETRAHYDROFURAN	109-69-8	SW-846 8260A	3/18/01	160 ug/L	U
PROCESS CONDENSATE 2L05474	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	3/18/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05474	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/18/01	2.8 pCi/L	U
PROCESS CONDENSATE 2L05474	SULFATE	14808-79-8	EPA-600 300.0	3/18/01	0.2 mg/L	U
PROCESS CONDENSATE 2L05474	STRONTIUM-90	10088-87-2	STRONTIUM-90 SPEC	3/18/01	21 pCi/L	U
PROCESS CONDENSATE 2L05474	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/18/01	67 umhos/cm	U
PROCESS CONDENSATE 2L05474	SODIUM	7440-23-5	SW-846 6010	3/18/01	32.19 ug/L	U
PROCESS CONDENSATE 2L05474	SILVER	7440-22-4	SW-846 6010	3/18/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05474	SILICON	7440-21-3	SW-846 6010	3/18/01	885 ug/L	J
PROCESS CONDENSATE 2L05474	SELENIUM	7782-49-2	EPA-600 200.8	3/18/01	0.38 ug/L	U
PROCESS CONDENSATE 2L05474	RUTHENIUM-106	13967-48-1	GAMMA SCAN	3/18/01	72.9 pCi/L	U
PROCESS CONDENSATE 2L05474	RUTHENIUM-103	13968-53-1	GAMMA SCAN	3/18/01	8.11 pCi/L	U
PROCESS CONDENSATE 2L05474	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	3/18/01	0.07 pCi/L	U
PROCESS CONDENSATE 2L05474	PYRENE	129-00-0	SW-846 8270B	3/18/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05474	PROPIONITRILE	107-12-0	SW-846 8260A	3/18/01	16 ug/L	U
PROCESS CONDENSATE 2L05474	POTASSIUM	7440-09-7	SW-846 6010	3/18/01	654.9 ug/L	U
PROCESS CONDENSATE 2L05474	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/18/01	0.08 pCi/L	U
PROCESS CONDENSATE 2L05474	PLUTONIUM-238	13981-16-3	PUPRECIP	3/18/01	0.18 pCi/L	U
PROCESS CONDENSATE 2L05474	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	3/18/01	0.06 mg/L	U
PROCESS CONDENSATE 2L05474	PHENOL	108-95-2	SW-846 8270B	3/18/01	2 ug/L	U
PROCESS CONDENSATE 2L05474	PH MEASUREMENT	PH	EPA-600 150.1	3/18/01	10.4 pH	U
PROCESS CONDENSATE 2L05474	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	3/18/01	2.6 ug/L	U
PROCESS CONDENSATE 2L05474	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	3/18/01	1.4 ug/L	U
PROCESS CONDENSATE 2L05474	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	3/18/01	0.8 ug/L	U
PROCESS CONDENSATE 2L05474	NITRITE (AS N)	NO2-N	EPA-600 300.0	3/18/01	0.02 mg/L	U
PROCESS CONDENSATE 2L05474	NITRATE (AS N)	NO3-N	EPA-600 300.0	3/18/01	0.04 mg/L	U
PROCESS CONDENSATE 2L05474	NIOBIUM-84	14681-63-1	GAMMA SCAN	3/18/01	6.64 pCi/L	U
PROCESS CONDENSATE 2L05474	NICKEL	7440-02-0	SW-846 6010	3/18/01	11.1 ug/L	U
PROCESS CONDENSATE 2L05474	NEPTUNIUM-237	13984-20-2	PUPRECIP	3/18/01	0.05 pCi/L	U
PROCESS CONDENSATE 2L05474	NAPHTHALENE	91-20-3	SW-846 8270B	3/18/01	4.2 ug/L	U
PROCESS CONDENSATE 2L05474	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05474	MERCURY	7439-97-8	EPA-600 200.8	3/18/01	0.41 ug/L	U
PROCESS CONDENSATE 2L05474	MANGANESE	7439-96-5	SW-846 6010	3/18/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05474	MAGNESIUM	7439-95-4	SW-846 6010	3/18/01	61.05 ug/L	U
PROCESS CONDENSATE 2L05474	LEAD	7439-92-1	EPA-600 200.8	3/18/01	2.14 ug/L	U
PROCESS CONDENSATE 2L05474	IRON	7439-89-6	SW-846 6010	3/18/01	21.09 ug/L	U
PROCESS CONDENSATE 2L05474	IODINE-129	15046-84-1	I-129 (LEPS)	3/18/01	3.9 pCi/L	U
PROCESS CONDENSATE 2L05474	HEXACHLOROETHANE	67-72-1	SW-846 8270B	3/18/01	8.3 ug/L	U
PROCESS CONDENSATE 2L05474	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/18/01	640 pCi/L	U
PROCESS CONDENSATE 2L05474	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/18/01	12 pCi/L	U
PROCESS CONDENSATE 2L05474	FLUORIDE	16984-48-8	EPA-600 300.0	3/18/01	0.01 mg/L	U
PROCESS CONDENSATE 2L05474	EUROPIUM-155	14391-16-3	GAMMA SCAN	3/18/01	25.8 pCi/L	U
PROCESS CONDENSATE 2L05474	EUROPIUM-154	15585-10-1	GAMMA SCAN	3/18/01	19.9 pCi/L	U
PROCESS CONDENSATE 2L05474	EUROPIUM-152	14683-23-9	GAMMA SCAN	3/18/01	25.8 pCi/L	U
PROCESS CONDENSATE 2L05474	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	3/18/01	1.8 ug/L	U
PROCESS CONDENSATE 2L05474	CYANIDE	57-12-5	EPA-600 335.2	3/18/01	5 ug/L	U
PROCESS CONDENSATE 2L05474	CURIUM-244	13981-15-2	AMCMPPRECIP	3/18/01	0.14 pCi/L	U
PROCESS CONDENSATE 2L05474	CURIUM-242	15510-73-3	AMCMPPRECIP	3/18/01	0.09 pCi/L	U
PROCESS CONDENSATE 2L05474	COPPER	7440-50-8	EPA-600 200.8	3/18/01	2.62 ug/L	U
PROCESS CONDENSATE 2L05474	COBALT-60	10198-40-0	GAMMA SCAN	3/18/01	6.47 pCi/L	U
PROCESS CONDENSATE 2L05474	COBALT	7440-48-4	SW-846 6010	3/18/01	4.44 ug/L	U

PROCESS CONDENSATE 2L05474	CHROMIUM	7440-47-3	EPA-800 200.8	3/18/01	0.45 ug/L	
PROCESS CONDENSATE 2L05474	CHLOROFORM	67-66-3	SW-846 8260A	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05474	CHLOROBENZENE	108-90-7	SW-846 8260A	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05474	CHLORIDE	16887-00-6	EPA-800 300.0	3/18/01	0.03 mg/L	U
PROCESS CONDENSATE 2L05474	CESIUM-137	10045-97-3	GAMMA SCAN	3/18/01	811 pCi/L	
PROCESS CONDENSATE 2L05474	CESIUM-134	13967-70-9	GAMMA SCAN	3/18/01	7.51 pCi/L	U
PROCESS CONDENSATE 2L05474	CERIUM-144	14782-78-8	GAMMA SCAN	3/18/01	52 pCi/L	U
PROCESS CONDENSATE 2L05474	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	3/18/01	104 pCi/L	U
PROCESS CONDENSATE 2L05474	CARBON-14	14782-75-5	C14CHEMISC	3/18/01	18 pCi/L	
PROCESS CONDENSATE 2L05474	CARBON TETRACHLORIDE	58-23-5	SW-846 8260A	3/18/01	0.8 ug/L	U
PROCESS CONDENSATE 2L05474	CARBON DISULFIDE	75-15-0	SW-846 8260A	3/18/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05474	CALCIUM	7440-70-2	SW-846 6010	3/18/01	23.31 ug/L	U
PROCESS CONDENSATE 2L05474	CADMIUM	7440-43-9	EPA-800 200.8	3/18/01	0.13 ug/L	U
PROCESS CONDENSATE 2L05474	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05474	BROMIDE	24959-87-9	EPA-800 300.0	3/18/01	0.1 mg/L	U
PROCESS CONDENSATE 2L05474	BERYLLIUM	7440-41-7	SW-846 6010	3/18/01	5.55 ug/L	U
PROCESS CONDENSATE 2L05474	BENZYL ALCOHOL	100-51-6	SW-846 8270B	3/18/01	0.9 ug/L	U
PROCESS CONDENSATE 2L05474	BENZENE	71-43-2	SW-846 8260A	3/18/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05474	BARIUM	7440-39-3	SW-846 6010	3/18/01	4.44 ug/L	U
PROCESS CONDENSATE 2L05474	ARSENIC	7440-38-2	EPA-800 200.8	3/18/01	0.38 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1221	11104-28-2	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05490	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/18/01	0.2 ug/L	U
PROCESS CONDENSATE 2L05490RPA	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/18/01	0.04 ug/L	U
PROCESS CONDENSATE 2L05490R	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05491R	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05492R	AROCLOR 1016	12674-11-2	SW-846 8082 (PCB)	3/18/01	0.02 ug/L	U
PROCESS CONDENSATE 2L05474	ANTIMONY-125	14234-35-6	GAMMA SCAN	3/18/01	25.6 pCi/L	U
PROCESS CONDENSATE 2L05474	ANTIMONY	7440-38-0	SW-846 6010	3/18/01	55.5 ug/L	U
PROCESS CONDENSATE 2L05474	ANTIMONY	7440-38-0	EPA-800 200.8	3/18/01	0.63 ug/L	U
PROCESS CONDENSATE 2L05474	AMMONIA (AS N)	7664-41-7	EPA-800 300.7	3/18/01	58470 ug/L	
PROCESS CONDENSATE 2L05474	AMERICIUM-241	14598-10-2	AM/CMPRECIP	3/18/01	0.18 pCi/L	U
PROCESS CONDENSATE 2L05474	ALUMINIUM	7429-90-5	SW-846 6010	3/18/01	27.75 ug/L	U
PROCESS CONDENSATE 2L05474	ALKALINITY (MG CaCO3/L)	ALKALINITY	EPA-800 310.1	3/18/01	210 mg/L	
PROCESS CONDENSATE 2L05474	ACETOPHENONE	98-86-2	SW-846 8270B	3/18/01	22 ug/L	

PROCESS CONDENSATE 2L05474	ACETONE	67-64-1	SW-846 8260A	3/18/01	1200 ug/L	
PROCESS CONDENSATE 2L05474	ACENAPHTHENE	83-32-9	SW-846 8270B	3/18/01	3.5 ug/L	U
PROCESS CONDENSATE 2L05474	4-NITROPHENOL	100-02-7	SW-846 8270B	3/18/01	1.1 ug/L	U
PROCESS CONDENSATE 2L05474	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	3/18/01	0.9 ug/L	U
PROCESS CONDENSATE 2L05474	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	3/18/01	0.7 ug/L	U
PROCESS CONDENSATE 2L05474	3-METHYLPHENOL	108-39-4	SW-846 8270B	3/18/01	2.1 ug/L	U
PROCESS CONDENSATE 2L05474	2-PENTANONE	107-87-9	SW-846 8260A	3/18/01	32 ug/L	
PROCESS CONDENSATE 2L05474	2-METHYLPHENOL	95-48-7	SW-846 8270B	3/18/01	1.6 ug/L	U
PROCESS CONDENSATE 2L05474	2-HEXANONE	591-78-6	SW-846 8260A	3/18/01	13 ug/L	
PROCESS CONDENSATE 2L05474	2-CHLOROPHENOL	95-57-8	SW-846 8270B	3/18/01	0.9 ug/L	U
PROCESS CONDENSATE 2L05474	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/18/01	1.2 ug/L	U
PROCESS CONDENSATE 2L05474	2-BUTANONE	78-93-3	SW-846 8260A	3/18/01	86 ug/L	
PROCESS CONDENSATE 2L05474	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	3/18/01	1.6 ug/L	U
PROCESS CONDENSATE 2L05474	1-BUTANOL	71-36-3	SW-846 8260A	3/18/01	7800 ug/L	
PROCESS CONDENSATE 2L05474	1,4-DICHLOROBENZENE	106-46-7	SW-846 8270B	3/18/01	5.6 ug/L	U
PROCESS CONDENSATE 2L05474	1,4-DICHLOROBENZENE	106-46-7	SW-846 8260A	3/18/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05474	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	3/18/01	1.2 ug/L	U
PROCESS CONDENSATE 2L05474	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	3/18/01	0.5 ug/L	U
PROCESS CONDENSATE 2L05474	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 8270B	3/18/01	5.4 ug/L	U
PROCESS CONDENSATE 2L05474	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	3/18/01	0.4 ug/L	U
PROCESS CONDENSATE 2L05474	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	3/18/01	0.3 ug/L	U
PROCESS CONDENSATE 2L05474	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	3/18/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05474	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	3/18/01	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	ZINC-85	13982-39-3	GAMMA SCAN	5/2/00	19.4 pCi/L	U
PROCESS CONDENSATE 2L05041	ZINC	7440-66-6	SW-846 6010A	5/2/00	8.37 ug/L	
PROCESS CONDENSATE 2L05041	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	5/2/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05041	VINYL CHLORIDE	75-01-4	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	VANADIUM	7440-62-2	SW-846 6010A	5/2/00	11.1 ug/L	U
PROCESS CONDENSATE 2L05041	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	5/2/00	0.13 ug/L	U
PROCESS CONDENSATE 2L05041	TRITIUM	10028-17-8	H3LOWLSC	5/2/00	69000 pCi/L	
PROCESS CONDENSATE 2L05041	TRICHLOROETHENE	79-01-6	SW-846 8260A	5/2/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05041	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	5/2/00	27 ug/L	
PROCESS CONDENSATE 2L05041	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	5/2/00	1200 ug/L	B
PROCESS CONDENSATE 2L05041	TOTAL ORGANIC CARBON	TOC	SW-846 9080	5/2/00	7.97 mg/L	
PROCESS CONDENSATE 2L05041	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 160.1	5/2/00	7000 ug/L	B
PROCESS CONDENSATE 2L05041	TOTAL CRESOL	1319-77-3	SW-846 8270B	5/2/00	3.6 ug/L	U
PROCESS CONDENSATE 2L05041	TOLUENE	108-88-3	SW-846 8260A	5/2/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05041	TITANIUM	7440-32-6	SW-846 6010A	5/2/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05041	TIN-113	13986-06-8	GAMMA SCAN	5/2/00	11.3 pCi/L	U
PROCESS CONDENSATE 2L05041	THALLIUM	7440-28-0	SW-846 6010A	5/2/00	92.13 ug/L	U
PROCESS CONDENSATE 2L05041	TETRAHYDROFURAN	109-99-9	SW-846 8260A	5/2/00	53 ug/L	
PROCESS CONDENSATE 2L05041	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	5/2/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05041	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	5/2/00	2.9 pCi/L	U
PROCESS CONDENSATE 2L05041	SULFATE	14808-79-8	EPA-600 300.0	5/2/00	0.2 mg/L	U
PROCESS CONDENSATE 2L05041	STRONTIUM-90	10088-97-2	STRONTIUM-90 SPEC	5/2/00	52 pCi/L	
PROCESS CONDENSATE 2L05041	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	5/2/00	114 umhos/cm	
PROCESS CONDENSATE 2L05041	SODIUM	7440-23-5	SW-846 6010A	5/2/00	29.97 ug/L	U
PROCESS CONDENSATE 2L05041	SILVER	7440-22-4	SW-846 6010A	5/2/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05041	SILICON	7440-21-3	SW-846 6010A	5/2/00	648 ug/L	B
PROCESS CONDENSATE 2L05041	SELENIUM	7782-49-2	EPA-600 200.8	5/2/00	0.38 ug/L	U
PROCESS CONDENSATE 2L05041	RUTHENIUM-108	13967-48-1	GAMMA SCAN	5/2/00	89.8 pCi/L	U
PROCESS CONDENSATE 2L05041	RUTHENIUM-103	13968-53-1	GAMMA SCAN	5/2/00	9.38 pCi/L	U
PROCESS CONDENSATE 2L05041	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	5/2/00	0.03 pCi/L	U
PROCESS CONDENSATE 2L05041	PYRENE	129-00-0	SW-846 8270B	5/2/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05041	PROPIONITRILE	107-12-0	SW-846 8260A	5/2/00	3 ug/L	U
PROCESS CONDENSATE 2L05041	POTASSIUM	7440-09-7	SW-846 6010A	5/2/00	965.7 ug/L	U
PROCESS CONDENSATE 2L05041	PLUTONIUM-239/240	PU-239/240	PUPRECIP	5/2/00	0.14 pCi/L	
PROCESS CONDENSATE 2L05041	PLUTONIUM-238	13981-16-3	PUPRECIP	5/2/00	0.49 pCi/L	
PROCESS CONDENSATE 2L05041	PHOSPHATE (AS P)	14285-44-2	EPA-600 300.0	5/2/00	0.06 mg/L	U
PROCESS CONDENSATE 2L05041	PHENOL	108-95-2	SW-846 8270B	5/2/00	2 ug/L	U
PROCESS CONDENSATE 2L05041	PH MEASUREMENT	PH	EPA-600 150.1	5/2/00	10.73 pH	
PROCESS CONDENSATE 2L05041	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	5/2/00	2.6 ug/L	U
PROCESS CONDENSATE 2L05041	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	5/2/00	1.4 ug/L	U

PROCESS CONDENSATE 2L05041	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	5/2/00	200 ug/L	
PROCESS CONDENSATE 2L05041A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-800 351.3	5/2/00	139 mg/L	
PROCESS CONDENSATE 2L05041	NITRITE (AS N)	NO2-N	EPA-800 300.0	5/2/00	0.02 mg/L	U
PROCESS CONDENSATE 2L05041	NITRATE (AS N)	NO3-N	EPA-800 300.0	5/2/00	0.04 mg/L	U
PROCESS CONDENSATE 2L05041	NIOBIUM-84	14881-83-1	GAMMA SCAN	5/2/00	9.46 pCi/L	U
PROCESS CONDENSATE 2L05041	NICKEL	7440-02-0	SW-846 6010A	5/2/00	22.2 ug/L	U
PROCESS CONDENSATE 2L05041	NEPTUNIUM-237	13994-20-2	PUPRECIP	5/2/00	0.05 pCi/L	U
PROCESS CONDENSATE 2L05041	NAPHTHALENE	91-20-3	SW-846 8270B	5/2/00	4.2 ug/L	U
PROCESS CONDENSATE 2L05041	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	5/2/00	2 ug/L	J
PROCESS CONDENSATE 2L05041	MERCURY	7439-97-6	EPA-800 200.8	5/2/00	1.22 ug/L	J
PROCESS CONDENSATE 2L05041	MANGANESE	7439-96-5	SW-846 6010A	5/2/00	7.77 ug/L	U
PROCESS CONDENSATE 2L05041	MAGNESIUM	7439-95-4	SW-846 6010A	5/2/00	55.5 ug/L	U
PROCESS CONDENSATE 2L05041	LEAD	7439-92-1	EPA-800 200.8	5/2/00	29.7 ug/L	U
PROCESS CONDENSATE 2L05041	IRON	7439-89-6	SW-846 6010A	5/2/00	47.9 ug/L	U
PROCESS CONDENSATE 2L05041	IODINE-129	15046-84-1	I-129 (LEPS)	5/2/00	3.1 pCi/L	U
PROCESS CONDENSATE 2L05041	HEXACHLOROETHANE	67-72-1	SW-846 8270B	5/2/00	6.3 ug/L	U
PROCESS CONDENSATE 2L05041	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	5/2/00	pCi/L	
PROCESS CONDENSATE 2L05041	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	5/2/00	4.1 pCi/L	U
PROCESS CONDENSATE 2L05041	FORMATE	FORMATE	EPA-800 300.0	5/2/00	100 ug/L	U
PROCESS CONDENSATE 2L05041	FLUORIDE	18984-48-8	EPA-800 300.0	5/2/00	0.18 mg/L	J
PROCESS CONDENSATE 2L05041	EUROPIUM-155	14391-16-3	GAMMA SCAN	5/2/00	31.8 pCi/L	U
PROCESS CONDENSATE 2L05041	EUROPIUM-154	15585-10-1	GAMMA SCAN	5/2/00	27.6 pCi/L	U
PROCESS CONDENSATE 2L05041	EUROPIUM-152	14683-23-9	GAMMA SCAN	5/2/00	27.4 pCi/L	U
PROCESS CONDENSATE 2L05041	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	5/2/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05041	CYANIDE	57-12-5	EPA-800 335.2	5/2/00	5 ug/L	U
PROCESS CONDENSATE 2L05041	CURIUM-244	13981-15-2	AM/CMPRECIP	5/2/00	0.1 pCi/L	U
PROCESS CONDENSATE 2L05041	CURIUM-242	15510-73-3	AM/CMPRECIP	5/2/00	0.09 pCi/L	U
PROCESS CONDENSATE 2L05041	COPPER	7440-50-8	EPA-800 200.8	5/2/00	49.1 ug/L	U
PROCESS CONDENSATE 2L05041	COBALT-60	10198-40-0	GAMMA SCAN	5/2/00	9.31 pCi/L	U
PROCESS CONDENSATE 2L05041	COBALT	7440-48-4	SW-846 6010A	5/2/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05041	CHROMIUM	7440-47-3	EPA-800 200.8	5/2/00	1.5 ug/L	U
PROCESS CONDENSATE 2L05041	CHLOROFORM	67-66-3	SW-846 8260A	5/2/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05041	CHLOROBENZENE	108-90-7	SW-846 8260A	5/2/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05041	CHLORIDE	16887-00-6	EPA-800 300.0	5/2/00	0.03 mg/L	UJ
PROCESS CONDENSATE 2L05041	CESIUM-137	10045-97-3	GAMMA SCAN	5/2/00	120 pCi/L	U
PROCESS CONDENSATE 2L05041	CESIUM-134	13967-70-9	GAMMA SCAN	5/2/00	9.85 pCi/L	U
PROCESS CONDENSATE 2L05041	CERIUM-144	14762-78-8	GAMMA SCAN	5/2/00	58.1 pCi/L	U
PROCESS CONDENSATE 2L05041	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	5/2/00	116 pCi/L	U
PROCESS CONDENSATE 2L05041	CARBON-14	14782-75-5	C14CHEMLSC	5/2/00	36 pCi/L	U
PROCESS CONDENSATE 2L05041	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	CARBON DISULFIDE	75-15-0	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	CALCIUM	7440-70-2	SW-846 6010A	5/2/00	132 ug/L	U
PROCESS CONDENSATE 2L05041	CADMIUM	7440-43-9	EPA-800 200.8	5/2/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05041	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	5/2/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05041	BROMIDE	24959-67-9	EPA-800 300.0	5/2/00	0.1 mg/L	U
PROCESS CONDENSATE 2L05041	BERYLLIUM	7440-41-7	SW-846 6010A	5/2/00	4.44 ug/L	U
PROCESS CONDENSATE 2L05041	BENZYL ALCOHOL	100-51-6	SW-846 8270B	5/2/00	19 ug/L	J
PROCESS CONDENSATE 2L05041	BENZENE	71-43-2	SW-846 8260A	5/2/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05041	BARIUM	7440-39-3	SW-846 6010A	5/2/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05041	ARSENIC	7440-38-2	EPA-800 200.8	5/2/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05041	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	5/2/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05041	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	5/2/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05041	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	5/2/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05041	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	5/2/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05041	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	5/2/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05041	ANTIMONY-125	14234-35-6	GAMMA SCAN	5/2/00	26.4 pCi/L	U
PROCESS CONDENSATE 2L05041	ANTIMONY	7440-38-0	SW-846 6010A	5/2/00	67.71 ug/L	U
PROCESS CONDENSATE 2L05041	ANTIMONY	7440-38-0	EPA-800 200.8	5/2/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05041	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	5/2/00	144500 ug/L	U
PROCESS CONDENSATE 2L05041	AMERICIUM-241	14596-10-2	AM/CMPRECIP	5/2/00	0.17 pCi/L	
PROCESS CONDENSATE 2L05041	ALUMINUM	7429-80-5	SW-846 6010A	5/2/00	25.53 ug/L	U
PROCESS CONDENSATE 2L05041	ALKALINITY (MG CaCO3/L)	ALKALINITY	EPA-800 310.1	5/2/00	520 mg/L	
PROCESS CONDENSATE 2L05041	ACETOPHENONE	98-96-2	SW-846 8270B	5/2/00	3 ug/L	J

PROCESS CONDENSATE 2L05041	ACETONE	67-64-1	SW-846 8260A	5/2/00	620 ug/L	
PROCESS CONDENSATE 2L05041	ACENAPHTHENE	83-32-9	SW-846 8270B	5/2/00	3.5 ug/L	U
PROCESS CONDENSATE 2L05041	4-NITROPHENOL	100-02-7	SW-846 8270B	5/2/00	1.1 ug/L	U
PROCESS CONDENSATE 2L05041	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	5/2/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05041	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	5/2/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05041	3-METHYLPHENOL	108-39-4	SW-846 8270B	5/2/00	2.1 ug/L	U
PROCESS CONDENSATE 2L05041	2-PENTANONE	107-87-9	SW-846 8260A	5/2/00	2.3 ug/L	U
PROCESS CONDENSATE 2L05041	2-METHYLPHENOL	95-48-7	SW-846 8270B	5/2/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05041	2-HEXANONE	591-78-6	SW-846 8260A	5/2/00	1.1 ug/L	U
PROCESS CONDENSATE 2L05041	2-CHLOROPHENOL	95-57-8	SW-846 8270B	5/2/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05041	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	5/2/00	210 ug/L	U
PROCESS CONDENSATE 2L05041	2-BUTANONE	78-93-3	SW-846 8260A	5/2/00	12 ug/L	J
PROCESS CONDENSATE 2L05041	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	5/2/00	1.6 ug/L	U
PROCESS CONDENSATE 2L05041	1-BUTANOL	71-36-3	SW-846 8260A	5/2/00	690 ug/L	J
PROCESS CONDENSATE 2L05041	1,4-DICHLOROBENZENE	106-46-7	SW-846 8270B	5/2/00	5.6 ug/L	U
PROCESS CONDENSATE 2L05041	1,4-DICHLOROBENZENE	106-46-7	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	5/2/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05041	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	5/2/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05041	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 8270B	5/2/00	5.4 ug/L	U
PROCESS CONDENSATE 2L05041	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	5/2/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05041	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	5/2/00	0.3 ug/L	U
PROCESS CONDENSATE 2L05041	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05041	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	5/2/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05035	ZINC-65	13982-39-3	GAMMA SCAN	4/26/00	22.3 pCi/L	U
PROCESS CONDENSATE 2L05035	ZINC	7440-66-6	SW-846 6010A	4/26/00	7.77 ug/L	U
PROCESS CONDENSATE 2L05035	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	4/26/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05035	VINYL CHLORIDE	75-01-4	SW-846 8260A	4/26/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05035	VANADIUM	7440-62-2	SW-846 6010A	4/26/00	11.1 ug/L	U
PROCESS CONDENSATE 2L05035	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	4/26/00	0.13 ug/L	U
PROCESS CONDENSATE 2L05035	TRITIUM	10028-17-8	H3LOWLSC	4/26/00	410000 pCi/L	U
PROCESS CONDENSATE 2L05035	TRICHLOROETHENE	79-01-5	SW-846 8260A	4/26/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05035	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	4/26/00	0.9 ug/L	J
PROCESS CONDENSATE 2L05035	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 180.2	4/26/00	400 ug/L	U
PROCESS CONDENSATE 2L05035	TOTAL ORGANIC CARBON	TOC	SW-846 9060	4/26/00	6.54 mg/L	U
PROCESS CONDENSATE 2L05035	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 180.1	4/26/00	1000 ug/L	U
PROCESS CONDENSATE 2L05035	TOTAL CRESOL	1319-77-3	SW-846 8270B	4/26/00	3.6 ug/L	U
PROCESS CONDENSATE 2L05035	TOLUENE	106-96-3	SW-846 8260A	4/26/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05035	TITANIUM	7440-32-6	SW-846 6010A	4/26/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05035	TIN-113	13966-06-8	GAMMA SCAN	4/26/00	16.2 pCi/L	U
PROCESS CONDENSATE 2L05035	THALLIUM	7440-28-0	SW-846 6010A	4/26/00	92.13 ug/L	U
PROCESS CONDENSATE 2L05035	TETRAHYDROFURAN	109-99-9	SW-846 8260A	4/26/00	15 ug/L	J
PROCESS CONDENSATE 2L05035	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	4/26/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05035	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	4/26/00	2.6 pCi/L	U
PROCESS CONDENSATE 2L05035	SULFATE	14806-79-8	EPA-600 300.0	4/26/00	0.2 mg/L	U
PROCESS CONDENSATE 2L05035	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	4/26/00	75 pCi/L	U
PROCESS CONDENSATE 2L05035	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	4/26/00	94.2 umhos/cm	U
PROCESS CONDENSATE 2L05035	SODIUM	7440-23-5	SW-846 6010A	4/26/00	29.97 ug/L	U
PROCESS CONDENSATE 2L05035	SILVER	7440-22-4	SW-846 6010A	4/26/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05035	SILICON	7440-21-3	SW-846 6010A	4/26/00	916 ug/L	B
PROCESS CONDENSATE 2L05035	SELENIUM	7782-49-2	EPA-600 200.8	4/26/00	0.36 ug/L	U
PROCESS CONDENSATE 2L05035	RUTHENIUM-106	13967-48-1	GAMMA SCAN	4/26/00	102 pCi/L	U
PROCESS CONDENSATE 2L05035	RUTHENIUM-103	13968-53-1	GAMMA SCAN	4/26/00	12.3 pCi/L	U
PROCESS CONDENSATE 2L05035	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	4/26/00	0.04 pCi/L	U
PROCESS CONDENSATE 2L05035	PYRENE	129-00-0	SW-846 8270B	4/26/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05035	PROPIONITRILE	107-12-0	SW-846 8260A	4/26/00	3 ug/L	U
PROCESS CONDENSATE 2L05035	POTASSIUM	7440-09-7	SW-846 6010A	4/26/00	985.7 ug/L	U
PROCESS CONDENSATE 2L05035	PLUTONIUM-239/240	PU-239/240	PUPRECIP	4/26/00	0.11 pCi/L	U
PROCESS CONDENSATE 2L05035	PLUTONIUM-238	13981-16-3	PUPRECIP	4/26/00	0.5 pCi/L	U
PROCESS CONDENSATE 2L05035	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	4/26/00	0.06 mg/L	U
PROCESS CONDENSATE 2L05035	PHENOL	106-95-2	SW-846 8270B	4/26/00	2 ug/L	U
PROCESS CONDENSATE 2L05035	PH MEASUREMENT	PH	EPA-600 150.1	4/26/00	10.39 pH	U
PROCESS CONDENSATE 2L05035	PENTACHLOROPHENOL	87-86-5	SW-846 8270B	4/26/00	2.6 ug/L	U
PROCESS CONDENSATE 2L05035	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	4/26/00	1.4 ug/L	U

PROCESS CONDENSATE 2L05035	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	4/26/00	130 ug/L	
PROCESS CONDENSATE 2L05035A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00	196 mg/L	
PROCESS CONDENSATE 2L05037A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00	96.4 mg/L	
PROCESS CONDENSATE 2L05038A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00	0.57 mg/L	
PROCESS CONDENSATE 2L05035	NITRITE (AS N)	NO2-N	EPA-600 300.0	4/26/00	0.02 mg/L	U
PROCESS CONDENSATE 2L05035	NITRATE (AS N)	NO3-N	EPA-600 300.0	4/26/00	0.07 mg/L	J
PROCESS CONDENSATE 2L05035	NI0BIUM-94	14681-83-1	GAMMA SCAN	4/26/00	9.56 pCi/L	U
PROCESS CONDENSATE 2L05035	NICKEL	7440-02-0	SW-846 6010A	4/26/00	22.2 ug/L	U
PROCESS CONDENSATE 2L05035	NEPTUNIUM-237	13994-20-2	PUPRECIP	4/26/00	0.06 pCi/L	
PROCESS CONDENSATE 2L05035	NAPHTHALENE	91-20-3	SW-846 8270B	4/26/00	4.2 ug/L	U
PROCESS CONDENSATE 2L05035	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	4/26/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05035	MERCURY	7439-97-6	EPA-600 200.8	4/26/00	0.4 ug/L	
PROCESS CONDENSATE 2L05035	MANGANESE	7439-96-5	SW-846 6010A	4/26/00	7.77 ug/L	U
PROCESS CONDENSATE 2L05035	MAGNESIUM	7439-95-4	SW-846 6010A	4/26/00	55.5 ug/L	U
PROCESS CONDENSATE 2L05035	LEAD	7439-92-1	EPA-600 200.8	4/26/00	22.4 ug/L	
PROCESS CONDENSATE 2L05035	IRON	7439-89-6	SW-846 6010A	4/26/00	21 ug/L	
PROCESS CONDENSATE 2L05035	IODINE-129	15046-84-1	I-129 (LEPS)	4/26/00	3.4 pCi/L	U
PROCESS CONDENSATE 2L05035	HEXACHLOROETHANE	67-72-1	SW-846 8270B	4/26/00	6.3 ug/L	U
PROCESS CONDENSATE 2L05035	GROSS BETA	12567-47-2	GROSS-BETA (DPC)	4/26/00	740 pCi/L	
PROCESS CONDENSATE 2L05035	GROSS ALPHA	12567-46-1	GROSS-ALPHA (DGPC)	4/26/00	1.4 pCi/L	U
PROCESS CONDENSATE 2L05035	FORMATE	FORMATE	EPA-600 300.0	4/26/00	100 ug/L	U
PROCESS CONDENSATE 2L05035	FLUORIDE	16984-48-8	EPA-600 300.0	4/26/00	0.15 mg/L	J
PROCESS CONDENSATE 2L05035	EUROPIUM-155	14391-16-3	GAMMA SCAN	4/26/00	44.1 pCi/L	U
PROCESS CONDENSATE 2L05035	EUROPIUM-154	15585-10-1	GAMMA SCAN	4/26/00	26.8 pCi/L	U
PROCESS CONDENSATE 2L05035	EUROPIUM-152	14683-23-9	GAMMA SCAN	4/26/00	34.7 pCi/L	U
PROCESS CONDENSATE 2L05035	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	4/26/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05035	CYANIDE	57-12-5	EPA-600 335.2	4/26/00	5 ug/L	U
PROCESS CONDENSATE 2L05035	CURIUM-244	13981-15-2	AM/CMPRECIP	4/26/00	0.1 pCi/L	U
PROCESS CONDENSATE 2L05035	CURIUM-242	15510-73-3	AM/CMPRECIP	4/26/00	0.06 pCi/L	U
PROCESS CONDENSATE 2L05035	COPPER	7440-50-8	EPA-600 200.8	4/26/00	40 ug/L	
PROCESS CONDENSATE 2L05035	COBALT-60	10198-40-0	GAMMA SCAN	4/26/00	10.5 pCi/L	U
PROCESS CONDENSATE 2L05035	COBALT	7440-48-4	SW-846 6010A	4/26/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05035	CHROMIUM	7440-47-3	EPA-600 200.8	4/26/00	1.5 ug/L	U
PROCESS CONDENSATE 2L05035	CHLOROFORM	67-66-3	SW-846 8260A	4/26/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05035	CHLOROBEZENE	108-90-7	SW-846 8260A	4/26/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05035	CHLORIDE	16987-00-6	EPA-600 300.0	4/26/00	0.03 mg/L	UJ
PROCESS CONDENSATE 2L05035	CESIUM-137	10045-87-3	GAMMA SCAN	4/26/00	434 pCi/L	
PROCESS CONDENSATE 2L05035	CESIUM-134	13967-70-9	GAMMA SCAN	4/26/00	11.7 pCi/L	U
PROCESS CONDENSATE 2L05035	CERIUM-144	14762-78-8	GAMMA SCAN	4/26/00	79 pCi/L	U
PROCESS CONDENSATE 2L05035	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	4/26/00	159 pCi/L	U
PROCESS CONDENSATE 2L05035	CARBON-14	14782-75-5	C14CHEMLSC	4/26/00	36 pCi/L	
PROCESS CONDENSATE 2L05035	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	4/26/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05035	CARBON DISULFIDE	75-15-0	SW-846 8260A	4/26/00	0.8 ug/L	U
PROCESS CONDENSATE 2L05035	CALCIUM	7440-70-2	SW-846 6010A	4/26/00	21.09 ug/L	U
PROCESS CONDENSATE 2L05035	CADMIUM	7440-43-9	EPA-600 200.8	4/26/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05035	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	4/26/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05035	BROMIDE	24959-67-9	EPA-600 300.0	4/26/00	0.1 mg/L	U
PROCESS CONDENSATE 2L05035	BERYLLIUM	7440-41-7	SW-846 6010A	4/26/00	4.44 ug/L	U
PROCESS CONDENSATE 2L05035	BENZYL ALCOHOL	100-51-6	SW-846 8270B	4/26/00	15 ug/L	J
PROCESS CONDENSATE 2L05035	BENZENE	71-43-2	SW-846 8260A	4/26/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05035	BARIUM	7440-39-3	SW-846 6010A	4/26/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05035	ARSENIC	7440-38-2	EPA-600 200.8	4/26/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05035	AROCLOR 1260	11096-82-5	SW-846 8082 (PCB)	4/26/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05035	AROCLOR 1254	11097-69-1	SW-846 8082 (PCB)	4/26/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05035	AROCLOR 1248	12672-29-6	SW-846 8082 (PCB)	4/26/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05035	AROCLOR 1242	53469-21-9	SW-846 8082 (PCB)	4/26/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05035	AROCLOR 1232	11141-16-5	SW-846 8082 (PCB)	4/26/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05035	ANTIMONY-125	14234-35-6	GAMMA SCAN	4/26/00	33.9 pCi/L	U
PROCESS CONDENSATE 2L05035	ANTIMONY	7440-36-0	SW-846 6010A	4/26/00	67.71 ug/L	U
PROCESS CONDENSATE 2L05035	ANTIMONY	7440-36-0	EPA-600 200.8	4/26/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05035	AMMONIA (AS N)	7864-41-7	EPA-600 300.7	4/26/00	107900 ug/L	
PROCESS CONDENSATE 2L05035	AMERICIUM-241	14596-10-2	AM/CMPRECIP	4/26/00	0.15 pCi/L	
PROCESS CONDENSATE 2L05035	ALUMINIUM	7429-90-5	SW-846 6010A	4/26/00	25.53 ug/L	U

PROCESS CONDENSATE 2L05035	ALKALINITY (MG CaCO3/L)	ALKALINITY	EPA-800 310.1	4/28/00	373 mg/L	
PROCESS CONDENSATE 2L05035	ACETOPHENONE	96-86-2	SW-846 8270B	4/28/00	2 ug/L	J
PROCESS CONDENSATE 2L05035	ACETONE	67-64-1	SW-846 8260A	4/28/00	230 ug/L	
PROCESS CONDENSATE 2L05035	ACENAPHTHENE	83-32-8	SW-846 8270B	4/28/00	3.5 ug/L	U
PROCESS CONDENSATE 2L05035	4-NITROPHENOL	100-02-7	SW-846 8270B	4/28/00	1.1 ug/L	U
PROCESS CONDENSATE 2L05035	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	4/28/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05035	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	4/28/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05035	3-METHYLPHENOL	108-39-4	SW-846 8270B	4/28/00	2.1 ug/L	U
PROCESS CONDENSATE 2L05035	2-PENTANONE	107-87-9	SW-846 8260A	4/28/00	10 ug/L	J
PROCESS CONDENSATE 2L05035	2-METHYLPHENOL	95-48-7	SW-846 8270B	4/28/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05035	2-HEXANONE	991-78-6	SW-846 8260A	4/28/00	8 ug/L	J
PROCESS CONDENSATE 2L05035	2-CHLOROPHENOL	95-57-8	SW-846 8270B	4/28/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05035	2-BUTOXYETHANOL	111-78-2	SW-846 8270B	4/28/00	200 ug/L	
PROCESS CONDENSATE 2L05035	2-BUTANONE	78-93-3	SW-846 8260A	4/28/00	10 ug/L	J
PROCESS CONDENSATE 2L05035	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	4/28/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05035	1-BUTANOL	71-36-3	SW-846 8260A	4/28/00	150 ug/L	UU
PROCESS CONDENSATE 2L05035	1,4-DICHLOROBENZENE	106-46-7	SW-846 8270B	4/28/00	5.6 ug/L	U
PROCESS CONDENSATE 2L05035	1,4-DICHLOROBENZENE	106-46-7	SW-846 8260A	4/28/00	0.8 ug/L	U
PROCESS CONDENSATE 2L05035	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	4/28/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05035	1,2-DICHLOROETHANE	107-05-2	SW-846 8260A	4/28/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05035	1,2,4-TRICHLOROETHENE	120-82-1	SW-846 8270B	4/28/00	5.4 ug/L	U
PROCESS CONDENSATE 2L05035	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	4/28/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05035	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	4/28/00	0.3 ug/L	U
PROCESS CONDENSATE 2L05035	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	4/28/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05035	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	4/28/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05033	ZINC-65	13982-39-3	GAMMA SCAN	4/25/00	15.6 pCi/L	U
PROCESS CONDENSATE 2L05033	ZINC	7440-66-6	SW-846 6010A	4/25/00	7.77 ug/L	U
PROCESS CONDENSATE 2L05033	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	4/25/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05033	VINYL CHLORIDE	75-01-4	SW-846 8260A	4/25/00	0.8 ug/L	U
PROCESS CONDENSATE 2L05033	VANADIUM	7440-62-2	SW-846 6010A	4/25/00	11.1 ug/L	U
PROCESS CONDENSATE 2L05033	URANIUM (TOTAL)	7440-61-1	EPA-600 200.8	4/25/00	0.13 ug/L	U
PROCESS CONDENSATE 2L05033	TRITIUM	10028-17-8	H3LOWLSC	4/25/00	430000 pCi/L	
PROCESS CONDENSATE 2L05033	TRICHLOROETHENE	79-01-6	SW-846 8260A	4/25/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05033	TRIBUTYL PHOSPHATE	128-73-8	SW-846 8270B	4/25/00	0.8 ug/L	J
PROCESS CONDENSATE 2L05033	TOTAL SUSPENDED SOLIDS	TSS	EPA-600 160.2	4/25/00	400 ug/L	U
PROCESS CONDENSATE 2L05033	TOTAL ORGANIC CARBON	TOC	SW-846 8060	4/25/00	7.47 mg/L	
PROCESS CONDENSATE 2L05033	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 160.1	4/25/00	7000 ug/L	
PROCESS CONDENSATE 2L05033	TOTAL CRESOL	1319-77-3	SW-846 8270B	4/25/00	3.6 ug/L	U
PROCESS CONDENSATE 2L05033	TOLUENE	108-88-3	SW-846 8260A	4/25/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05033	TITANIUM	7440-32-8	SW-846 6010A	4/25/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05033	TIN-113	13986-06-8	GAMMA SCAN	4/25/00	17.4 pCi/L	U
PROCESS CONDENSATE 2L05033	THALLIUM	7440-28-0	SW-846 6010A	4/25/00	92.13 ug/L	U
PROCESS CONDENSATE 2L05033	TETRAHYDROFURAN	109-99-9	SW-846 8260A	4/25/00	19 ug/L	J
PROCESS CONDENSATE 2L05033	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	4/25/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05033	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	4/25/00	2.9 pCi/L	U
PROCESS CONDENSATE 2L05033	SULFATE	14808-79-8	EPA-600 300.0	4/25/00	0.2 mg/L	U
PROCESS CONDENSATE 2L05033	STRONTIUM-90	10088-87-2	STRONTIUM-90 SPEC	4/25/00	68 pCi/L	
PROCESS CONDENSATE 2L05033	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	4/25/00	94.4 umhos/cm	
PROCESS CONDENSATE 2L05033	SODIUM	7440-23-5	SW-846 6010A	4/25/00	29.97 ug/L	U
PROCESS CONDENSATE 2L05033	SILVER	7440-22-4	SW-846 6010A	4/25/00	5.55 ug/L	U
PROCESS CONDENSATE 2L05033	SILICON	7440-21-3	SW-846 6010A	4/25/00	882 ug/L	B
PROCESS CONDENSATE 2L05033	SELENIUM	7782-49-2	EPA-600 200.8	4/25/00	0.38 ug/L	U
PROCESS CONDENSATE 2L05033	RUTHENIUM-108	13967-48-1	GAMMA SCAN	4/25/00	99.8 pCi/L	U
PROCESS CONDENSATE 2L05033	RUTHENIUM-103	13968-53-1	GAMMA SCAN	4/25/00	13.2 pCi/L	U
PROCESS CONDENSATE 2L05033	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	4/25/00	0.05 pCi/L	U
PROCESS CONDENSATE 2L05033	PYRENE	129-00-0	SW-846 8270B	4/25/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05033	PROPIONITRILE	107-12-0	SW-846 8260A	4/25/00	3 ug/L	U
PROCESS CONDENSATE 2L05033	POTASSIUM	7440-09-7	SW-846 6010A	4/25/00	965.7 ug/L	U
PROCESS CONDENSATE 2L05033	PLUTONIUM-239/240	PU-239/240	PUPRECIP	4/25/00	0.13 pCi/L	
PROCESS CONDENSATE 2L05033	PLUTONIUM-238	13981-18-3	PUPRECIP	4/25/00	0.28 pCi/L	
PROCESS CONDENSATE 2L05033	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	4/25/00	0.08 mg/L	U
PROCESS CONDENSATE 2L05033	PHENOL	108-95-2	SW-846 8270B	4/25/00	2 ug/L	U
PROCESS CONDENSATE 2L05033	PH MEASUREMENT	PH	EPA-600 150.1	4/25/00	10.8 pH	

PROCESS CONDENSATE 2L05033	PENTACHLOROPHENOL	87-88-5	SW-846 B270B	4/25/00	2.8 ug/L	U
PROCESS CONDENSATE 2L05033	N-NITROSODI-N-PROPYLAMINE	621-84-7	SW-846 B270B	4/25/00	1.4 ug/L	U
PROCESS CONDENSATE 2L05033	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 B270B	4/25/00	140 ug/L	U
PROCESS CONDENSATE 2L05033	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/25/00	140 mg/L	U
PROCESS CONDENSATE 2L05033	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/25/00	4.22 mg/L	U
PROCESS CONDENSATE 2L05033	NITRITE (AS N)	NO2-N	EPA-600 300.0	4/25/00	0.02 mg/L	U
PROCESS CONDENSATE 2L05033	NITRATE (AS N)	NO3-N	EPA-600 300.0	4/25/00	0.04 mg/L	U
PROCESS CONDENSATE 2L05033	NIOBIUM-94	14681-63-1	GAMMA SCAN	4/25/00	8.13 pCi/L	U
PROCESS CONDENSATE 2L05033	NICKEL	7440-02-0	SW-846 B010A	4/25/00	22.2 ug/L	U
PROCESS CONDENSATE 2L05033	NEPTUNIUM-237	13994-20-2	PUPRECIP	4/25/00	0.08 pCi/L	U
PROCESS CONDENSATE 2L05033	NAPHTHALENE	91-20-3	SW-846 B270B	4/25/00	4.2 ug/L	U
PROCESS CONDENSATE 2L05033	METHYLENE CHLORIDE	75-09-2	SW-846 B260A	4/25/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05033	MERCURY	7439-97-8	EPA-600 200.8	4/25/00	0.52 ug/L	U
PROCESS CONDENSATE 2L05033	MANGANESE	7439-96-5	SW-846 B010A	4/25/00	7.77 ug/L	U
PROCESS CONDENSATE 2L05033	MAGNESIUM	7439-95-4	SW-846 B010A	4/25/00	55.5 ug/L	U
PROCESS CONDENSATE 2L05033	LEAD	7439-82-1	EPA-600 200.8	4/25/00	18.3 ug/L	U
PROCESS CONDENSATE 2L05033	IRON	7439-89-8	SW-846 B010A	4/25/00	15.54 ug/L	U
PROCESS CONDENSATE 2L05033	IODINE-129	15046-84-1	I-129 (LEPS)	4/25/00	2.8 pCi/L	U
PROCESS CONDENSATE 2L05033	HEXACHLOROETHANE	67-72-1	SW-846 B270B	4/25/00	6.3 ug/L	U
PROCESS CONDENSATE 2L05033	GROSS BETA	12587-47-2	GROSS-BETA (DFC)	4/25/00	2900 pCi/L	U
PROCESS CONDENSATE 2L05033	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	4/25/00	14 pCi/L	U
PROCESS CONDENSATE 2L05033	FORMATE	FORMATE	EPA-600 300.0	4/25/00	100 ug/L	U
PROCESS CONDENSATE 2L05033	FLUORIDE	16984-48-8	EPA-600 300.0	4/25/00	0.15 mg/L	J
PROCESS CONDENSATE 2L05033	EUROPIUM-155	14391-16-3	GAMMA SCAN	4/25/00	39.7 pCi/L	U
PROCESS CONDENSATE 2L05033	EUROPIUM-154	15585-10-1	GAMMA SCAN	4/25/00	22.4 pCi/L	U
PROCESS CONDENSATE 2L05033	EUROPIUM-152	14683-23-9	GAMMA SCAN	4/25/00	38.7 pCi/L	U
PROCESS CONDENSATE 2L05033	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 B270B	4/25/00	2 ug/L	BJ
PROCESS CONDENSATE 2L05033	CYANIDE	57-12-5	EPA-600 335.2	4/25/00	5 ug/L	U
PROCESS CONDENSATE 2L05033	CURIUM-244	13981-15-2	AMICMPRECIP	4/25/00	0.09 pCi/L	U
PROCESS CONDENSATE 2L05033	CURIUM-242	15510-73-3	AMICMPRECIP	4/25/00	0.07 pCi/L	U
PROCESS CONDENSATE 2L05033	COPPER	7440-50-8	EPA-600 200.8	4/25/00	40.1 ug/L	U
PROCESS CONDENSATE 2L05033	COBALT-60	10198-40-0	GAMMA SCAN	4/25/00	8.57 pCi/L	U
PROCESS CONDENSATE 2L05033	COBALT	7440-48-4	SW-846 B010A	4/25/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05033	CHROMIUM	7440-47-3	EPA-600 200.8	4/25/00	1.5 ug/L	U
PROCESS CONDENSATE 2L05033	CHLOROFORM	67-66-3	SW-846 B260A	4/25/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05033	CHLOROBENZENE	108-90-7	SW-846 B260A	4/25/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05033	CHLORIDE	16887-00-8	EPA-600 300.0	4/25/00	0.09 mg/L	J
PROCESS CONDENSATE 2L05033	CESIUM-137	10045-87-3	GAMMA SCAN	4/25/00	2740 pCi/L	U
PROCESS CONDENSATE 2L05033	CESIUM-134	13987-70-9	GAMMA SCAN	4/25/00	8.45 pCi/L	U
PROCESS CONDENSATE 2L05033	CERIUM-144	14762-78-8	GAMMA SCAN	4/25/00	77.1 pCi/L	U
PROCESS CONDENSATE 2L05033	CERIUM/PRASEODYMIUM-144	CE/PR-144	GAMMA SCAN	4/25/00	154 pCi/L	U
PROCESS CONDENSATE 2L05033	CARBON-14	14782-75-5	C14CHEMLSC	4/25/00	35 pCi/L	U
PROCESS CONDENSATE 2L05033	CARBON TETRACHLORIDE	56-23-5	SW-846 B260A	4/25/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05033	CARBON DISULFIDE	75-15-0	SW-846 B260A	4/25/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05033	CALCIUM	7440-70-2	SW-846 B010A	4/25/00	21.09 ug/L	U
PROCESS CONDENSATE 2L05033	CADIUM	7440-43-9	EPA-600 200.8	4/25/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05033	BROMODICHLOROMETHANE	75-27-4	SW-846 B260A	4/25/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05033	BROMIDE	24959-67-9	EPA-600 300.0	4/25/00	0.1 mg/L	U
PROCESS CONDENSATE 2L05033	BERYLLIUM	7440-41-7	SW-846 B010A	4/25/00	4.44 ug/L	U
PROCESS CONDENSATE 2L05033	BENZYL ALCOHOL	100-51-6	SW-846 B270B	4/25/00	16 ug/L	J
PROCESS CONDENSATE 2L05033	BENZENE	71-43-2	SW-846 B260A	4/25/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05033	BARIUM	7440-39-3	SW-846 B010A	4/25/00	6.66 ug/L	U
PROCESS CONDENSATE 2L05033	ARSENIC	7440-38-2	EPA-600 200.8	4/25/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05033	AROCLOR 1260	11096-82-5	SW-846 B082 (PCB)	4/25/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05033	AROCLOR 1254	11097-69-1	SW-846 B082 (PCB)	4/25/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05033	AROCLOR 1248	12672-29-8	SW-846 B082 (PCB)	4/25/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05033	AROCLOR 1242	53469-21-8	SW-846 B082 (PCB)	4/25/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05033	AROCLOR 1232	11141-16-5	SW-846 B082 (PCB)	4/25/00	0.2 ug/L	U
PROCESS CONDENSATE 2L05033	ANTIMONY-125	14234-35-8	GAMMA SCAN	4/25/00	40.3 pCi/L	U
PROCESS CONDENSATE 2L05033	ANTIMONY	7440-36-0	SW-846 B010A	4/25/00	67.71 ug/L	U
PROCESS CONDENSATE 2L05033	ANTIMONY	7440-36-0	EPA-600 200.8	4/25/00	0.25 ug/L	U
PROCESS CONDENSATE 2L05033	AMMONIA (AS N)	7884-41-7	EPA-600 300.7	4/25/00	97000 ug/L	U
PROCESS CONDENSATE 2L05033	AMERICIUM-241	14596-10-2	AM/CM/PRECIP	4/25/00	0.21 pCi/L	U

PROCESS CONDENSATE 2L05033	ALUMINUM	7429-90-5	SW-846 8010A	4/25/00	25.53 ug/L	U
PROCESS CONDENSATE 2L05033	ALKALINITY (MG CaCO3/L)	ALKALINITY	EPA-600 310.1	4/25/00	330 mg/L	U
PROCESS CONDENSATE 2L05033	ACETOPHENONE	98-86-2	SW-846 8270B	4/25/00	2 ug/L	J
PROCESS CONDENSATE 2L05033	ACETONE	67-64-1	SW-846 8260A	4/25/00	360 ug/L	U
PROCESS CONDENSATE 2L05033	ACENAPHTHENE	83-32-9	SW-846 8270B	4/25/00	3.5 ug/L	U
PROCESS CONDENSATE 2L05033	4-NITROPHENOL	100-02-7	SW-846 8270B	4/25/00	1.1 ug/L	U
PROCESS CONDENSATE 2L05033	4-METHYL-2-PENTANONE	106-10-1	SW-846 8260A	4/25/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05033	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	4/25/00	0.7 ug/L	U
PROCESS CONDENSATE 2L05033	3-METHYLPHENOL	108-39-4	SW-846 8270B	4/25/00	2.1 ug/L	U
PROCESS CONDENSATE 2L05033	2-PENTANONE	107-87-9	SW-846 8260A	4/25/00	11 ug/L	J
PROCESS CONDENSATE 2L05033	2-METHYLPHENOL	95-48-7	SW-846 8270B	4/25/00	1.6 ug/L	U
PROCESS CONDENSATE 2L05033	2-HEXANONE	591-78-6	SW-846 8260A	4/25/00	6 ug/L	J
PROCESS CONDENSATE 2L05033	2-CHLOROPHENOL	95-57-8	SW-846 8270B	4/25/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05033	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	4/25/00	200 ug/L	U
PROCESS CONDENSATE 2L05033	2-BUTANONE	78-93-3	SW-846 8260A	4/25/00	12 ug/L	J
PROCESS CONDENSATE 2L05033	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	4/25/00	1.8 ug/L	U
PROCESS CONDENSATE 2L05033	1-BUTANOL	71-36-3	SW-846 8260A	4/25/00	150 ug/L	J
PROCESS CONDENSATE 2L05033	1,4-DICHLOROBENZENE	106-48-7	SW-846 8270B	4/25/00	5.6 ug/L	U
PROCESS CONDENSATE 2L05033	1,4-DICHLOROBENZENE	106-48-7	SW-846 8260A	4/25/00	0.9 ug/L	U
PROCESS CONDENSATE 2L05033	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	4/25/00	1.2 ug/L	U
PROCESS CONDENSATE 2L05033	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	4/25/00	0.5 ug/L	U
PROCESS CONDENSATE 2L05033	1,2,4-TRICHLOROBENZENE	120-82-1	SW-846 8270B	4/25/00	5.4 ug/L	U
PROCESS CONDENSATE 2L05033	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	4/25/00	0.4 ug/L	U
PROCESS CONDENSATE 2L05033	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	4/25/00	0.3 ug/L	U
PROCESS CONDENSATE 2L05033	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	4/25/00	0.6 ug/L	U
PROCESS CONDENSATE 2L05033	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	4/25/00	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	ZINC	7440-06-6	SW-846 8010A	7/30/99	4.6 ug/L	U
PROCESS CONDENSATE 2L04537	XYLENE (TOTAL)	1330-20-7	SW-846 8260A	7/30/99	1.2 ug/L	U
PROCESS CONDENSATE 2L04537	WTPH-G	TPH-G	SW-846 8015M (WTPH-G)	7/30/99	50 ug/L	U
PROCESS CONDENSATE 2L04537	VINYL CHLORIDE	75-01-4	SW-846 8260A	7/30/99	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	VANADIUM	7440-62-2	SW-846 8010A	7/30/99	15.4 ug/L	U
PROCESS CONDENSATE 2L04537	URANIUM (TOTAL)	7440-81-1	EPA-600 200.8	7/30/99	0.02 ug/L	U
PROCESS CONDENSATE 2L04537	TRICHLOROETHENE	79-01-6	SW-846 8260A	7/30/99	0.5 ug/L	U
PROCESS CONDENSATE 2L04537	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	7/30/99	12 ug/L	U
PROCESS CONDENSATE 2L04537	TRI(2-CHLOROETHYL) PHOSPHATE	115-96-8	SW-846 8270B	7/30/99	1.5 ug/L	U
PROCESS CONDENSATE 2L04537	TOTAL DISSOLVED SOLIDS	TDS	EPA-600 160.1	7/30/99	1000 ug/L	U
PROCESS CONDENSATE 2L04537	TOTAL CRESOL	1319-77-3	SW-846 8270B	7/30/99	3.6 ug/L	U
PROCESS CONDENSATE 2L04537	TOLUENE	108-88-3	SW-846 8260A	7/30/99	0.7 ug/L	U
PROCESS CONDENSATE 2L04537	TITANIUM	7440-32-6	SW-846 8010A	7/30/99	4.4 ug/L	U
PROCESS CONDENSATE 2L04537	THALLIUM	7440-28-0	SW-846 8010A	7/30/99	63.6 ug/L	U
PROCESS CONDENSATE 2L04537	TETRAHYDROFURAN	109-99-9	SW-846 8260A	7/30/99	95 ug/L	U
PROCESS CONDENSATE 2L04537	TETRADECANE	629-59-4	SW-846 8270B	7/30/99	42 ug/L	U
PROCESS CONDENSATE 2L04537	TETRACHLOROETHYLENE	127-18-4	SW-846 8260A	7/30/99	0.5 ug/L	U
PROCESS CONDENSATE 2L04537	SULFATE	14808-79-8	EPA-600 300.0	7/30/99	0.11 mg/L	U
PROCESS CONDENSATE 2L04537	STRONTIUM-90	10098-07-2	STRONTIUM-90 SPEC	7/30/99	23 pCi/L	U
PROCESS CONDENSATE 2L04537	SODIUM	7440-23-5	SW-846 8010A	7/30/99	25.3 ug/L	U
PROCESS CONDENSATE 2L04537	SILVER	7440-22-4	SW-846 8010A	7/30/99	6.8 ug/L	UJ
PROCESS CONDENSATE 2L04537	SELENIUM	7782-49-2	EPA-600 200.8	7/30/99	1.16 ug/L	B
PROCESS CONDENSATE 2L04537	PYRENE	129-00-0	SW-846 8270B	7/30/99	0.5 ug/L	U
PROCESS CONDENSATE 2L04537	PROPIONITRILE	107-12-0	SW-846 8260A	7/30/99	3 ug/L	U
PROCESS CONDENSATE 2L04537	POTASSIUM	7440-09-7	SW-846 8010A	7/30/99	1353 ug/L	U
PROCESS CONDENSATE 2L04537	PHOSPHATE (AS P)	14265-44-2	EPA-600 300.0	7/30/99	0.06 mg/L	U
PROCESS CONDENSATE 2L04537	PHENOL	106-95-2	SW-846 8270B	7/30/99	2 ug/L	U
PROCESS CONDENSATE 2L04537	PENTACHLOROPHENOL	87-96-5	SW-846 8270B	7/30/99	2.6 ug/L	U
PROCESS CONDENSATE 2L04537	OIL & GREASE	OILGREASE	SW-846 9070	7/30/99	5 mg/L	U
PROCESS CONDENSATE 2L04537	N-NITROSODI-N-PROPYLAMINE	621-64-7	SW-846 8270B	7/30/99	1.4 ug/L	U
PROCESS CONDENSATE 2L04537	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	7/30/99	0.8 ug/L	U
PROCESS CONDENSATE 2L04537	NITRITE (AS N)	NO2-N	EPA-600 300.0	7/30/99	0.04 mg/L	U
PROCESS CONDENSATE 2L04537	NITRATE (AS N)	NO3-N	EPA-600 300.0	7/30/99	0.02 mg/L	U
PROCESS CONDENSATE 2L04537	NICKEL	7440-02-0	SW-846 8010A	7/30/99	9.9 ug/L	U
PROCESS CONDENSATE 2L04537	NAPHTHALENE	91-20-3	SW-846 8270B	7/30/99	4.2 ug/L	U
PROCESS CONDENSATE 2L04537	METHYLENE CHLORIDE	75-09-2	SW-846 8260A	7/30/99	0.4 ug/L	U
PROCESS CONDENSATE 2L04537	MERCURY	7439-97-6	EPA-600 200.8	7/30/99	0.57 ug/L	U

PROCESS CONDENSATE 2L04537	MANGANESE	7439-98-5	SW-846 8010A	7/30/99	4.4 ug/L	U
PROCESS CONDENSATE 2L04537	MAGNESIUM	7439-95-4	SW-846 8010A	7/30/99	80.5 ug/L	U
PROCESS CONDENSATE 2L04537	LEAD	7439-92-1	EPA-600 200.8	7/30/99	46.1 ug/L	U
PROCESS CONDENSATE 2L04537	IRON	7439-89-8	SW-846 8010A	7/30/99	5.5 ug/L	U
PROCESS CONDENSATE 2L04537	HEXACHLOROETHANE	87-72-1	SW-846 8270B	7/30/99	6.3 ug/L	U
PROCESS CONDENSATE 2L04537	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	7/30/99	900 pCi/L	U
PROCESS CONDENSATE 2L04537	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	7/30/99	0.81 pCi/L	U
PROCESS CONDENSATE 2L04537	FLUORIDE	16984-48-8	EPA-600 300.0	7/30/99	0.01 mg/L	U
PROCESS CONDENSATE 2L04537	DODECANE	112-40-3	SW-846 8270B	7/30/99	2.7 ug/L	U
PROCESS CONDENSATE 2L04537	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	7/30/99	1.8 ug/L	U
PROCESS CONDENSATE 2L04537	DECANE	124-18-5	SW-846 8270B	7/30/99	2.4 ug/L	U
PROCESS CONDENSATE 2L04537	CYANIDE	87-12-5	EPA-600 335.3	7/30/99	5 ug/L	U
PROCESS CONDENSATE 2L04537	COPPER	7440-50-8	EPA-600 200.8	7/30/99	13.3 ug/L	U
PROCESS CONDENSATE 2L04537	COBALT	7440-48-4	SW-846 8010A	7/30/99	6.6 ug/L	U
PROCESS CONDENSATE 2L04537	CHROMIUM	7440-47-3	EPA-600 200.8	7/30/99	0.12 ug/L	U
PROCESS CONDENSATE 2L04537	CHLOROFORM	87-68-3	SW-846 8260A	7/30/99	0.4 ug/L	U
PROCESS CONDENSATE 2L04537	CHLOROBENZENE	108-90-7	SW-846 8260A	7/30/99	0.4 ug/L	U
PROCESS CONDENSATE 2L04537	CHLORIDE	16887-00-6	EPA-600 300.0	7/30/99	0.01 mg/L	U
PROCESS CONDENSATE 2L04537	CARBON TETRACHLORIDE	56-23-5	SW-846 8260A	7/30/99	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	CARBON DISULFIDE	75-15-0	SW-846 8260A	7/30/99	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	CALCIUM	7440-70-2	SW-846 8010A	7/30/99	15.2 ug/L	B
PROCESS CONDENSATE 2L04537	CADMIUM	7440-43-9	EPA-600 200.8	7/30/99	0.01 ug/L	U
PROCESS CONDENSATE 2L04537	BROMODICHLOROMETHANE	75-27-4	SW-846 8260A	7/30/99	0.4 ug/L	U
PROCESS CONDENSATE 2L04537	BROMIDE	24959-87-9	EPA-600 300.0	7/30/99	0.06 mg/L	U
PROCESS CONDENSATE 2L04537	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	7/30/99	3.5 ug/L	U
PROCESS CONDENSATE 2L04537	BERYLLIUM	7440-41-7	SW-846 8010A	7/30/99	4.4 ug/L	U
PROCESS CONDENSATE 2L04537	BENZYL ALCOHOL	100-51-8	SW-846 8270B	7/30/99	4 ug/L	J
PROCESS CONDENSATE 2L04537	BENZOTHAZOLE	95-18-9	SW-846 8270B	7/30/99	1 ug/L	U
PROCESS CONDENSATE 2L04537	BENZENE	71-43-2	SW-846 8260A	7/30/99	0.5 ug/L	U
PROCESS CONDENSATE 2L04537	BARIUM	7440-39-3	SW-846 8010A	7/30/99	4.4 ug/L	U
PROCESS CONDENSATE 2L04537	ARSENIC	7440-38-2	EPA-600 200.8	7/30/99	0.43 ug/L	B
PROCESS CONDENSATE 2L04537	ANTIMONY	7440-36-0	SW-846 8010A	7/30/99	57.2 ug/L	U
PROCESS CONDENSATE 2L04537	ALUMINIUM	7429-90-5	SW-846 8010A	7/30/99	59.4 ug/L	U
PROCESS CONDENSATE 2L04537	ACETOPHENONE	98-86-2	SW-846 8270B	7/30/99	9 ug/L	J
PROCESS CONDENSATE 2L04537	ACETONE	67-64-1	SW-846 8260A	7/30/99	690 ug/L	B
PROCESS CONDENSATE 2L04537	ACENAPHTHENE	83-32-9	SW-846 8270B	7/30/99	3.5 ug/L	U
PROCESS CONDENSATE 2L04537	4-NITROPHENOL	100-02-7	SW-846 8270B	7/30/99	1.1 ug/L	U
PROCESS CONDENSATE 2L04537	4-METHYL-2-PENTANONE	108-10-1	SW-846 8260A	7/30/99	0.9 ug/L	U
PROCESS CONDENSATE 2L04537	4-CHLORO-3-METHYLPHENOL	59-50-7	SW-846 8270B	7/30/99	0.7 ug/L	U
PROCESS CONDENSATE 2L04537	3-METHYLPHENOL	108-39-4	SW-846 8270B	7/30/99	2.1 ug/L	U
PROCESS CONDENSATE 2L04537	2-PICOLINE	109-06-8	SW-846 8270B	7/30/99	0.8 ug/L	U
PROCESS CONDENSATE 2L04537	2-PENTANONE	107-87-9	SW-846 8260A	7/30/99	15 ug/L	J
PROCESS CONDENSATE 2L04537	2-NITROPHENOL	88-75-5	SW-846 8270B	7/30/99	1.7 ug/L	U
PROCESS CONDENSATE 2L04537	2-METHYLPHENOL	95-48-7	SW-846 8270B	7/30/99	1.6 ug/L	U
PROCESS CONDENSATE 2L04537	2-HEXANONE	591-78-6	SW-846 8260A	7/30/99	6 ug/L	J
PROCESS CONDENSATE 2L04537	2-CHLOROPHENOL	95-57-8	SW-846 8270B	7/30/99	0.9 ug/L	U
PROCESS CONDENSATE 2L04537	2-BUTOXYETHANOL	111-76-2	SW-846 8270B	7/30/99	260 ug/L	U
PROCESS CONDENSATE 2L04537	2-BUTANONE	78-93-3	SW-846 8260A	7/30/99	37 ug/L	U
PROCESS CONDENSATE 2L04537	2,4-DINITROTOLUENE	121-14-2	SW-846 8270B	7/30/99	1.8 ug/L	U
PROCESS CONDENSATE 2L04537	2,4-DICHLOROPHENOL	120-83-2	SW-846 8270B	7/30/99	1.1 ug/L	U
PROCESS CONDENSATE 2L04537	1-BUTANOL	71-36-3	SW-846 8260A	7/30/99	680 ug/L	J
PROCESS CONDENSATE 2L04537	1,4-DICHLOROENZENE	108-46-7	SW-846 8270B	7/30/99	5.8 ug/L	U
PROCESS CONDENSATE 2L04537	1,4-DICHLOROENZENE	108-46-7	SW-846 8260A	7/30/99	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	1,2-DICHLOROETHENE (TOTAL)	540-59-0	SW-846 8260A	7/30/99	1.2 ug/L	U
PROCESS CONDENSATE 2L04537	1,2-DICHLOROETHANE	107-06-2	SW-846 8260A	7/30/99	0.5 ug/L	U
PROCESS CONDENSATE 2L04537	1,2,4-TRICHLOROENZENE	120-82-1	SW-846 8270B	7/30/99	5.4 ug/L	U
PROCESS CONDENSATE 2L04537	1,1-DICHLOROETHENE	75-35-4	SW-846 8260A	7/30/99	0.4 ug/L	U
PROCESS CONDENSATE 2L04537	1,1-DICHLOROETHANE	75-34-3	SW-846 8260A	7/30/99	0.3 ug/L	U
PROCESS CONDENSATE 2L04537	1,1,2-TRICHLOROETHANE	79-00-5	SW-846 8260A	7/30/99	0.6 ug/L	U
PROCESS CONDENSATE 2L04537	1,1,1-TRICHLOROETHANE	71-55-6	SW-846 8260A	7/30/99	0.6 ug/L	U

**ATTACHMENT G-2
242-A PROCESS CONDENSATE
SAMPLES SINCE 07/99 THROUGH 2007**

(11 PAGES)

All 242-A Process Condensate Samples since 7/99 through 2007.
 Detection limit (U) values deleted. Sorted by constituent.

sample_location	sample_no	constituent_name	casn	method	sample_da	max results	units	lab_qftr
LERF/ETF#242-A Evaporatc B1K7J0		1,2,3-Benzothiadiazole	273-77-8	8270_SVOA_GCMS	9/5/08	9.4	9.4 ug/L	J
LERF/ETF#242-A Evaporatc B1NP73		1,4-Dioxane	123-91-1	8270_SVOA_GCMS	8/28/07	34	34 ug/L	J
LERF/ETF#242-A Evaporatc B1K7J2		1,4-Dioxane	123-91-1	8270_SVOA_GCMS	9/7/06		4.1 ug/L	J
LERF/ETF#242-A Evaporatc B1NP69		1-Butanol	71-36-3	8260_VOA_GCMS	7/9/07	72000	72000 ug/L	
PROCESS CONDENSATE :L05478		1-BUTANOL	71-36-3	SW-846 8260A	3/21/01		9400 ug/L	
PROCESS CONDENSATE :L05474		1-BUTANOL	71-36-3	SW-846 8260A	3/18/01		7800 ug/L	
LERF/ETF#242-A Evaporatc B1NP71		1-Butanol	71-36-3	8260_VOA_GCMS	8/8/07		3600 ug/L	
LERF/ETF#242-A Evaporatc B1NP73		1-Butanol	71-36-3	8260_VOA_GCMS	8/28/07		1300 ug/L	
PROCESS CONDENSATE :L04537		1-BUTANOL	71-36-3	SW-846 8260A	7/30/99		680 ug/L	J
PROCESS CONDENSATE :L05041		1-BUTANOL	71-36-3	SW-846 8260A	5/2/00		660 ug/L	J
PROCESS CONDENSATE :L06586		1-BUTANOL	71-36-3	SW-846 8260A	3/24/04		240 ug/L	J
PROCESS CONDENSATE :L06584		1-BUTANOL	71-36-3	SW-846 8260A	3/18/04		150 ug/L	J
PROCESS CONDENSATE :L05033		1-BUTANOL	71-36-3	SW-846 8260A	4/25/00		150 ug/L	J
LERF/ETF#242-A Evaporatc B1C8C9		1-Butanol	71-36-3	8260_VOA_GCMS	3/24/05		140 ug/L	J
LERF/ETF#242-A Evaporatc B1C8C7		1-Butanol	71-36-3	8260_VOA_GCMS	3/22/05		140 ug/L	J
PROCESS CONDENSATE :L06431		1-BUTANOL	71-36-3	SW-846 8260A	9/3/03		71 ug/L	J
LERF/ETF#242-A Evaporatc B1NP73		2-(2-ethoxyethoxy)ethanol	111-90-0	8270_SVOA_GCMS	8/28/07	15	15 ug/L	J
PROCESS CONDENSATE :L05474		2-BUTANONE	78-93-3	SW-846 8260A	3/18/01	86	86 ug/L	
PROCESS CONDENSATE :L05478		2-BUTANONE	78-93-3	SW-846 8260A	3/21/01		84 ug/L	
LERF/ETF#242-A Evaporatc B1NP69		2-Butanone	78-93-3	8260_VOA_GCMS	7/9/07		76 ug/L	
PROCESS CONDENSATE :L04537		2-BUTANONE	78-93-3	SW-846 8260A	7/30/99		37 ug/L	
PROCESS CONDENSATE :L06586		2-BUTANONE	78-93-3	SW-846 8260A	3/24/04		27 ug/L	
PROCESS CONDENSATE :L06584		2-BUTANONE	78-93-3	SW-846 8260A	3/18/04		19 ug/L	
PROCESS CONDENSATE :L05041		2-BUTANONE	78-93-3	SW-846 8260A	5/2/00		12 ug/L	J
PROCESS CONDENSATE :L05033		2-BUTANONE	78-93-3	SW-846 8260A	4/25/00		12 ug/L	J
PROCESS CONDENSATE :L05035		2-BUTANONE	78-93-3	SW-846 8260A	4/26/00		10 ug/L	J
LERF/ETF#242-A Evaporatc B1NP71		2-Butanone	78-93-3	8260_VOA_GCMS	8/8/07		8.6 ug/L	
LERF/ETF#242-A Evaporatc B1NP73		2-Butanone	78-93-3	8260_VOA_GCMS	8/28/07		4.6 ug/L	J
PROCESS CONDENSATE :L05478		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/21/01	2300	2300 ug/L	
PROCESS CONDENSATE :L04537		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	7/30/99		260 ug/L	
PROCESS CONDENSATE :L05041		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	5/2/00		210 ug/L	
PROCESS CONDENSATE :L05035		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	4/26/00		200 ug/L	
PROCESS CONDENSATE :L05033		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	4/25/00		200 ug/L	
LERF/ETF#242-A Evaporatc B1NP69		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	7/9/07		180 ug/L	D
LERF/ETF#242-A Evaporatc B1NP71		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	8/8/07		58 ug/L	
PROCESS CONDENSATE :L06586		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/24/04		58 ug/L	
LERF/ETF#242-A Evaporatc B1NP73		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	8/28/07		44 ug/L	
PROCESS CONDENSATE :L06584		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	3/18/04		40 ug/L	
PROCESS CONDENSATE :L06431		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	9/3/03		13 ug/L	
PROCESS CONDENSATE :L06429		2-BUTOXYETHANOL	111-76-2	SW-846 8270B	9/2/03		9.8 ug/L	J
LERF/ETF#242-A Evaporatc B1C8C7		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	3/22/05		7.6 ug/L	
LERF/ETF#242-A Evaporatc B1K7J0		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	9/5/06		6.8 ug/L	
LERF/ETF#242-A Evaporatc B1C8C9		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	3/24/05		5 ug/L	
LERF/ETF#242-A Evaporatc B1K7J2		2-Butoxyethanol	111-76-2	8270_SVOA_GCMS	9/7/06		4.8 ug/L	
LERF/ETF#242-A Evaporatc B1NP69		2-Cyclohexen-1-One	930-68-7	8270_SVOA_GCMS	7/9/07	8.5	6.5 ug/L	J
LERF/ETF#242-A Evaporatc B1NP71		2-Ethyl Pyrazine	13625-00-3	8270_SVOA_GCMS	8/8/07	21	21 ug/L	J
PROCESS CONDENSATE :L05474		2-HEXANONE	591-78-6	SW-846 8260A	3/18/01	13	13 ug/L	
PROCESS CONDENSATE :L05478		2-HEXANONE	591-78-6	SW-846 8260A	3/21/01		12 ug/L	
LERF/ETF#242-A Evaporatc B1NP69		2-Hexanone	591-78-6	8260_VOA_GCMS	7/9/07		8 ug/L	
PROCESS CONDENSATE :L05035		2-HEXANONE	591-78-6	SW-846 8260A	4/26/00		6 ug/L	J
PROCESS CONDENSATE :L05033		2-HEXANONE	591-78-6	SW-846 8260A	4/25/00		6 ug/L	J
PROCESS CONDENSATE :L04537		2-HEXANONE	591-78-6	SW-846 8260A	7/30/99		6 ug/L	J
PROCESS CONDENSATE :L06586		2-METHYLPHENOL	95-48-7	SW-846 8270B	3/24/04	22	22 ug/L	
PROCESS CONDENSATE :L06584		2-METHYLPHENOL	95-48-7	SW-846 8270B	3/18/04		14 ug/L	
LERF/ETF#242-A Evaporatc B1NP71		2-Methylphenol (resol. o-)	95-48-7	8270_SVOA_GCMS	8/8/07	49	48 ug/L	
LERF/ETF#242-A Evaporatc B1NP71		2-Methylpyrazine	109-06-0	8270_SVOA_GCMS	8/8/07	26	26 ug/L	J
LERF/ETF#242-A Evaporatc B1NP69		2-Pentanol	6032-29-7	8270_SVOA_GCMS	7/9/07	20	20 ug/L	J
LERF/ETF#242-A Evaporatc B1NP69		2-Pentanol	107-87-9	8260_VOA_GCMS	7/9/07	47	47 ug/L	

PROCESS CONDENSATE :L05478	2-PENTANONE	107-87-9	SW-848 8280A	3/21/01		38 ug/L	
PROCESS CONDENSATE :L05474	2-PENTANONE	107-87-9	SW-848 8280A	3/18/01		32 ug/L	
PROCESS CONDENSATE :L04537	2-PENTANONE	107-87-9	SW-848 8280A	7/30/99		15 ug/L	J
PROCESS CONDENSATE :L05033	2-PENTANONE	107-87-9	SW-848 8280A	4/25/00		11 ug/L	J
PROCESS CONDENSATE :L05035	2-PENTANONE	107-87-9	SW-848 8280A	4/28/00		10 ug/L	J
LERF/ETF#242-A Evaporate B1NP69	Acetone	67-64-1	8260_VOA_GCMS	7/9/07	5900	5900 ug/L	B
PROCESS CONDENSATE :L06588	ACETONE	67-64-1	SW-848 8280A	3/24/04		2100 ug/L	
PROCESS CONDENSATE :L06584	ACETONE	67-64-1	SW-848 8280A	3/18/04		1400 ug/L	
PROCESS CONDENSATE :L05474	ACETONE	67-64-1	SW-848 8280A	3/18/01		1200 ug/L	
PROCESS CONDENSATE :L04537	ACETONE	67-64-1	SW-848 8280A	7/30/99		690 ug/L	B
PROCESS CONDENSATE :L05041	ACETONE	67-64-1	SW-848 8280A	5/2/00		620 ug/L	
PROCESS CONDENSATE :L05033	ACETONE	67-64-1	SW-848 8280A	4/25/00		360 ug/L	
PROCESS CONDENSATE :L05035	ACETONE	67-64-1	SW-848 8280A	4/28/00		230 ug/L	
LERF/ETF#242-A Evaporate B1NP71	Acetone	67-64-1	8260_VOA_GCMS	8/8/07		170 ug/L	E
LERF/ETF#242-A Evaporate B1C8C9	Acetone	67-64-1	8260_VOA_GCMS	3/24/05		38 ug/L	
LERF/ETF#242-A Evaporate B1K7J2	Acetone	67-64-1	8260_VOA_GCMS	9/7/06		32 ug/L	
LERF/ETF#242-A Evaporate B1NP73	Acetone	67-64-1	8260_VOA_GCMS	8/28/07		31 ug/L	
LERF/ETF#242-A Evaporate B1K7J0	Acetone	67-64-1	8260_VOA_GCMS	9/5/06		23 ug/L	
PROCESS CONDENSATE :L06431	ACETONE	67-64-1	SW-848 8280A	9/3/03		14 ug/L	B
PROCESS CONDENSATE :L05474	ACETOPHENONE	98-88-2	SW-848 8270B	3/18/01	22	22 ug/L	
PROCESS CONDENSATE :L04537	ACETOPHENONE	98-88-2	SW-848 8270B	7/30/99		9 ug/L	J
PROCESS CONDENSATE :L05478	ACETOPHENONE	98-88-2	SW-848 8270B	3/21/01		6 ug/L	
LERF/ETF#242-A Evaporate B1NP69	Acetophenone	98-88-2	8270_SVOA_GCMS	7/9/07		4.4 ug/L	
PROCESS CONDENSATE :L05041	ACETOPHENONE	98-88-2	SW-848 8270B	5/2/00		3 ug/L	J
PROCESS CONDENSATE :L05035	ACETOPHENONE	98-88-2	SW-848 8270B	4/28/00		2 ug/L	J
PROCESS CONDENSATE :L05033	ACETOPHENONE	98-88-2	SW-848 8270B	4/25/00		2 ug/L	J
PROCESS CONDENSATE :L05041	ALKALINITY (MG CACO3/L)	ALCALINITY	EPA-800 310.1	5/2/00	520	520 mg/L	
PROCESS CONDENSATE :L05035	ALKALINITY (MG CACO3/L)	ALKALINITY	EPA-800 310.1	4/28/00		373 mg/L	
PROCESS CONDENSATE :L05033	ALKALINITY (MG CACO3/L)	ALKALINITY	EPA-800 310.1	4/25/00		330 mg/L	
PROCESS CONDENSATE :L05474	ALKALINITY (MG CACO3/L)	ALKALINITY	EPA-800 310.1	3/18/01		210 mg/L	
PROCESS CONDENSATE :L05478	ALKALINITY (MG CACO3/L)	ALKALINITY	EPA-800 310.1	3/21/01		188 mg/L	
PROCESS CONDENSATE :L06429	ALUMINIUM	7429-90-5	SW-848 8010	9/2/03	0.3	0.3 ug/L	
LERF/ETF#242-A Evaporate B1K7J2	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	9/7/06	1.1	1.1 pCi/L	
LERF/ETF#242-A Evaporate B1K7J0	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	9/5/06		1 pCi/L	
PROCESS CONDENSATE :L06588	AMERICIUM-241	14598-10-2	AMCMPRECIP	3/24/04		0.87 pCi/L	
PROCESS CONDENSATE :L06584	AMERICIUM-241	14598-10-2	AMCMPRECIP	3/18/04		0.82 pCi/L	
LERF/ETF#242-A Evaporate B1C8C9	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	3/24/05		0.53 pCi/L	
LERF/ETF#242-A Evaporate B1NP69	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	7/9/07		0.33 pCi/L	
PROCESS CONDENSATE :L06429	AMERICIUM-241	14598-10-2	AMCMPRECIP	9/2/03		0.31 pCi/L	
PROCESS CONDENSATE :L06431	AMERICIUM-241	14598-10-2	AMCMPRECIP	9/3/03		0.28 pCi/L	
LERF/ETF#242-A Evaporate B1C8C7	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	3/22/05		0.22 pCi/L	
PROCESS CONDENSATE :L05033	AMERICIUM-241	14598-10-2	AMCMPRECIP	4/25/00		0.21 pCi/L	
LERF/ETF#242-A Evaporate B1NP73	Americium-241	14598-10-2	AMCMISO_IE_PREC_AI	8/28/07		0.18 pCi/L	
PROCESS CONDENSATE :L05041	AMERICIUM-241	14598-10-2	AMCMPRECIP	5/2/00		0.17 pCi/L	
PROCESS CONDENSATE :L05035	AMERICIUM-241	14598-10-2	AMCMPRECIP	4/28/00		0.15 pCi/L	
PROCESS CONDENSATE :L06431	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	9/3/03	769000	769000 ug/L	
PROCESS CONDENSATE :L06429	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	9/2/03		752000 ug/L	
PROCESS CONDENSATE :L05041	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	5/2/00		144500 ug/L	
PROCESS CONDENSATE :L05035	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	4/28/00		107900 ug/L	
PROCESS CONDENSATE :L05033	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	4/25/00		97000 ug/L	
PROCESS CONDENSATE :L06588	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	3/24/04		84200 ug/L	
PROCESS CONDENSATE :L05478	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	3/21/01		64980 ug/L	
PROCESS CONDENSATE :L05474	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	3/18/01		58470 ug/L	
PROCESS CONDENSATE :L06584	AMMONIA (AS N)	7884-41-7	EPA-800 300.7	3/18/04		58800 ug/L	
PROCESS CONDENSATE :L05483RP:AROCLOR 1018		12874-11-2	SW-848 8082 (PCB)	3/21/01	0.04	0.04 ug/L	
PROCESS CONDENSATE :L05490RP:AROCLOR 1018		12874-11-2	SW-848 8082 (PCB)	3/18/01		0.04 ug/L	
PROCESS CONDENSATE :L05483RP:AROCLOR 1280		11098-82-5	SW-848 8082 (PCB)	3/21/01	0.04	0.04 ug/L	
PROCESS CONDENSATE :L05490RP:AROCLOR 1280		11098-82-5	SW-848 8082 (PCB)	3/18/01		0.04 ug/L	
TEDF Generator#242-A Eva B1MW68	Arsenic	7440-38-2	200.8_METALS_ICPMS	7/18/07	0.488	0.488 ug/L	
PROCESS CONDENSATE :L04537	ARSENIC	7440-38-2	EPA-800 200.8	7/30/99		0.43 ug/L	B
TEDF Generator#242-A Eva B1MW68	Barium	7440-39-3	8010_METALS_ICP	7/18/07	26.9	26.9 ug/L	
TEDF Generator#242-A Eva B1MW68	Barium	7440-39-3	8010_METALS_ICP	7/18/07		5.5 ug/L	

LERF/ETF#242-A Evaporator B1K7J2	Barium	7440-39-3	6010_METALS_ICP	9/7/06	1 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Barium	7440-39-3	6010_METALS_ICP	3/24/05	1 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Benzaldehyde	100-52-7	8270_SVOA_GCMS	8/8/07	26 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	8/28/07	80 ug/L	D
PROCESS CONDENSATE 1L06431	BENZYL ALCOHOL	100-51-6	SW-846 8270B	9/3/03	66 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	8/8/07	84 ug/L	
PROCESS CONDENSATE 1L06429	BENZYL ALCOHOL	100-51-6	SW-846 8270B	9/2/03	59 ug/L	
LERF/ETF#242-A Evaporator B1K7J0	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	9/5/06	26 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	3/22/05	21 ug/L	
PROCESS CONDENSATE 1L05041	BENZYL ALCOHOL	100-51-6	SW-846 8270B	5/2/00	19 ug/L	J
PROCESS CONDENSATE 1L05035	BENZYL ALCOHOL	100-51-6	SW-846 8270B	4/28/00	16 ug/L	J
PROCESS CONDENSATE 1L05033	BENZYL ALCOHOL	100-51-6	SW-846 8270B	4/25/00	16 ug/L	J
LERF/ETF#242-A Evaporator B1K7J2	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	9/7/06	15 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	7/9/07	14 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Benzyl alcohol	100-51-6	8270_SVOA_GCMS	3/24/05	13 ug/L	
PROCESS CONDENSATE 1L04537	BENZYL ALCOHOL	100-51-6	SW-846 8270B	7/30/99	4 ug/L	J
PROCESS CONDENSATE 1L06586	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	3/24/04	230 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	8/28/07	200 ug/L	D
TEDF Generator#242-A Eva B1MW66	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	7/16/07	130 ug/L	BD
LERF/ETF#242-A Evaporator B1C8C9	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	3/24/05	130 ug/L	
PROCESS CONDENSATE 1L06584	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	3/18/04	120 ug/L	
PROCESS CONDENSATE 1L06429	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	9/2/03	82 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	3/22/05	74 ug/L	
PROCESS CONDENSATE 1L06431	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	SW-846 8270B	9/3/03	58 ug/L	
LERF/ETF#242-A Evaporator B1K7J0	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	9/5/06	54 ug/L	B
LERF/ETF#242-A Evaporator B1NP71	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	8/8/07	42 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	7/9/07	34 ug/L	
LERF/ETF#242-A Evaporator B1K7J2	Bis(2-ethylhexyl) phthalate	117-81-7	8270_SVOA_GCMS	9/7/06	12 ug/L	B
LERF/ETF#242-A Evaporator B1NP69	Bismuth-214	14733-03-0	GAMMA_GS	7/9/07	102 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Bismuth-214	14733-03-0	GAMMA_GS	8/28/07	39.6 pCi/L	
LERF/ETF#242-A Evaporator B1K7J0	Bismuth-214	14733-03-0	GAMMA_GS	9/5/06	39.3 pCi/L	
LERF/ETF#242-A Evaporator B1NP71	Butyraldehyde	123-72-8	8260_VOA_GCMS	8/8/07	42 ug/L	J
LERF/ETF#242-A Evaporator B1NP73	Butyraldehyde	123-72-8	8260_VOA_GCMS	8/28/07	5.1 ug/L	J
TEDF Generator#242-A Eva B1MW66	Calcium	7440-70-2	6010_METALS_ICP	7/16/07	17900 ug/L	
TEDF Generator#242-A Eva B1MW66	Calcium	7440-70-2	6010_METALS_ICP	7/16/07	3500 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Calcium	7440-70-2	6010_METALS_ICP	3/24/05	949 ug/L	
PROCESS CONDENSATE 1L05041	CALCIUM	7440-70-2	SW-846 6010A	5/2/00	132 ug/L	
PROCESS CONDENSATE 1L06586	CALCIUM	7440-70-2	SW-846 6010	3/24/04	97.5 ug/L	
PROCESS CONDENSATE 1L06431	CALCIUM	7440-70-2	SW-846 6010	9/3/03	88.6 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Calcium	7440-70-2	6010_METALS_ICP	8/28/07	83.1 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Calcium	7440-70-2	6010_METALS_ICP	8/8/07	73.9 ug/L	
LERF/ETF#242-A Evaporator B1K7J2	Calcium	7440-70-2	6010_METALS_ICP	9/7/06	46.5 ug/L	
PROCESS CONDENSATE 1L04537	CALCIUM	7440-70-2	SW-846 6010A	7/30/99	15.2 ug/L	B
PROCESS CONDENSATE 1L06429	CALCIUM	7440-70-2	SW-846 6010	9/2/03	13.8 ug/L	
PROCESS CONDENSATE 1L06431	CARBON-14	14762-75-5	C14CHEMLSC	9/3/03	300 pCi/L	300
PROCESS CONDENSATE 1L06429	CARBON-14	14762-75-5	C14CHEMLSC	9/2/03	280 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Carbon-14	14762-75-5	C14_LSC	3/22/05	74 pCi/L	
PROCESS CONDENSATE 1L06586	CARBON-14	14762-75-5	C14CHEMLSC	3/24/04	72 pCi/L	
PROCESS CONDENSATE 1L06584	CARBON-14	14762-75-5	C14CHEMLSC	3/18/04	65 pCi/L	
PROCESS CONDENSATE 1L05041	CARBON-14	14762-75-5	C14CHEMLSC	5/2/00	36 pCi/L	
PROCESS CONDENSATE 1L05035	CARBON-14	14762-75-5	C14CHEMLSC	4/26/00	36 pCi/L	
PROCESS CONDENSATE 1L05033	CARBON-14	14762-75-5	C14CHEMLSC	4/25/00	35 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Carbon-14	14762-75-5	C14_LSC	3/24/05	30 pCi/L	
PROCESS CONDENSATE 1L05478	CARBON-14	14762-75-5	C14CHEMLSC	3/2/01	18 pCi/L	
PROCESS CONDENSATE 1L05474	CARBON-14	14762-75-5	C14CHEMLSC	3/18/01	18 pCi/L	
LERF/ETF#242-A Evaporator B1C8C9	Cesium-137	10045-97-3	GAMMA_GS	3/24/05	13100 pCi/L	13100
PROCESS CONDENSATE 1L06586	CESIUM-137	10045-97-3	GAMMA_SCAN	3/24/04	8170 pCi/L	
PROCESS CONDENSATE 1L06584	CESIUM-137	10045-97-3	GAMMA_SCAN	3/18/04	7570 pCi/L	
PROCESS CONDENSATE 1L05033	CESIUM-137	10045-97-3	GAMMA_SCAN	4/25/00	2740 pCi/L	
PROCESS CONDENSATE 1L06429	CESIUM-137	10045-97-3	GAMMA_SCAN	9/2/03	2020 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Cesium-137	10045-97-3	GAMMA_GS	8/28/07	1720 pCi/L	
PROCESS CONDENSATE 1L06431	CESIUM-137	10045-97-3	GAMMA_SCAN	9/3/03	1430 pCi/L	

LERF/ETF#242-A EvaporatcB1C8C7	Cesium-137	10045-97-3	GAMMA_GS	3/22/05	1370 pCi/L	
PROCESS CONDENSATE 1L05478	CESIUM-137	10045-97-3	GAMMA_SCAN	3/21/01	1280 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Cesium-137	10045-97-3	GAMMA_GS	8/8/07	1080 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J2	Cesium-137	10045-97-3	GAMMA_GS	9/7/08	953 pCi/L	
LERF/ETF#242-A EvaporatcB1NP69	Cesium-137	10045-97-3	GAMMA_GS	7/9/07	754 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J0	Cesium-137	10045-97-3	GAMMA_GS	9/5/06	720 pCi/L	
PROCESS CONDENSATE 1L05474	CESIUM-137	10045-97-3	GAMMA_SCAN	3/18/01	611 pCi/L	
PROCESS CONDENSATE 1L05035	CESIUM-137	10045-97-3	GAMMA_SCAN	4/26/00	434 pCi/L	
PROCESS CONDENSATE 1L05041	CESIUM-137	10045-97-3	GAMMA_SCAN	5/2/00	120 pCi/L	
TEDF Generator#242-A EvaB1MW68	Chloride	16887-00-6	300.0_ANIONS_IC	7/16/07	0.883 mg/L	
TEDF Generator#242-A EvaB1MW68	Chloride	16887-00-6	300.0_ANIONS_IC	7/16/07	0.161 mg/L	B
LERF/ETF#242-A EvaporatcB1C8C9	Chloride	16887-00-6	300.0_ANIONS_IC	3/24/05	0.133 mg/L	
PROCESS CONDENSATE 1L05033	CHLORIDE	16887-00-6	EPA-600 300.0	4/25/00	0.09 mg/L	J
TEDF Generator#242-A EvaB1MW68	Chloroform	67-66-3	8270_SVOA_GCMS	7/16/07	3.1 ug/L	J
LERF/ETF#242-A EvaporatcB1NP71	Chloriodomethane	593-71-5	8270_SVOA_GCMS	8/8/07	9.1 ug/L	J
LERF/ETF#242-A EvaporatcB1NP69	Chromium	7440-47-3	200.8_METALS_ICPMS	7/9/07	2.06 ug/L	
TEDF Generator#242-A EvaB1MW68	Chromium	7440-47-3	200.8_METALS_ICPMS	7/16/07	1.16 ug/L	
LERF/ETF#242-A EvaporatcB1NP71	Chromium	7440-47-3	200.8_METALS_ICPMS	8/8/07	1.02 ug/L	
LERF/ETF#242-A EvaporatcB1NP73	Chromium	7440-47-3	200.8_METALS_ICPMS	8/28/07	0.891 ug/L	
TEDF Generator#242-A EvaB1MW68	Chromium	7440-47-3	200.8_METALS_ICPMS	7/16/07	0.816 ug/L	
PROCESS CONDENSATE 1L06429	CHROMIUM	7440-47-3	EPA-600 200.8	9/2/03	0.77 ug/L	
PROCESS CONDENSATE 1L06431	CHROMIUM	7440-47-3	EPA-600 200.8	9/3/03	0.7 ug/L	
PROCESS CONDENSATE 1L05474	CHROMIUM	7440-47-3	EPA-600 200.8	3/18/01	0.45 ug/L	
PROCESS CONDENSATE 1L04537	CHROMIUM	7440-47-3	EPA-600 200.8	7/30/99	0.12 ug/L	
PROCESS CONDENSATE 1L06431	COBALT	7440-48-4	SW-846 6010	9/3/03	1.3 ug/L	1.3
LERF/ETF#242-A EvaporatcB1C8C7	Cobalt	7440-48-4	6010_METALS_ICP	3/22/05	1.2 ug/L	
PROCESS CONDENSATE 1L06429	COBALT	7440-48-4	SW-846 6010	9/2/03	0.1 ug/L	
PROCESS CONDENSATE 1L06429	COPPER	7440-50-8	EPA-600 200.8	9/2/03	818 ug/L	818
PROCESS CONDENSATE 1L06431	COPPER	7440-50-8	EPA-600 200.8	9/3/03	213.6 ug/L	
LERF/ETF#242-A EvaporatcB1NP73	Copper	7440-50-8	200.8_METALS_ICPMS	8/28/07	147 ug/L	
LERF/ETF#242-A EvaporatcB1NP71	Copper	7440-50-8	200.8_METALS_ICPMS	8/8/07	116 ug/L	
LERF/ETF#242-A EvaporatcB1C8C7	Copper	7440-50-8	200.8_METALS_ICPMS	3/22/05	100 ug/L	
LERF/ETF#242-A EvaporatcB1C8C9	Copper	7440-50-8	200.8_METALS_ICPMS	3/24/05	64.2 ug/L	
LERF/ETF#242-A EvaporatcB1K7J0	Copper	7440-50-8	200.8_METALS_ICPMS	9/5/08	57.3 ug/L	
PROCESS CONDENSATE 1L05041	COPPER	7440-50-8	EPA-600 200.8	5/2/00	49.1 ug/L	
LERF/ETF#242-A EvaporatcB1K7J2	Copper	7440-50-8	200.8_METALS_ICPMS	9/7/06	42.2 ug/L	
PROCESS CONDENSATE 1L06586	COPPER	7440-50-8	EPA-600 200.8	3/24/04	40.9 ug/L	
PROCESS CONDENSATE 1L05033	COPPER	7440-50-8	EPA-600 200.8	4/25/00	40.1 ug/L	
PROCESS CONDENSATE 1L05035	COPPER	7440-50-8	EPA-600 200.8	4/26/00	40 ug/L	
PROCESS CONDENSATE 1L06584	COPPER	7440-50-8	EPA-600 200.8	3/18/04	20.3 ug/L	
PROCESS CONDENSATE 1L04537	COPPER	7440-50-8	EPA-600 200.8	7/30/99	13.3 ug/L	
TEDF Generator#242-A EvaB1MW68	Copper	7440-50-8	200.8_METALS_ICPMS	7/16/07	3.5 ug/L	
PROCESS CONDENSATE 1L05474	COPPER	7440-50-8	EPA-600 200.8	3/18/01	2.62 ug/L	
LERF/ETF#242-A EvaporatcB1NP69	Copper	7440-50-8	200.8_METALS_ICPMS	7/9/07	1.52 ug/L	
PROCESS CONDENSATE 1L05478	COPPER	7440-50-8	EPA-600 200.8	3/21/01	1.28 ug/L	
TEDF Generator#242-A EvaB1MW68	Copper	7440-50-8	200.8_METALS_ICPMS	7/16/07	0.79 ug/L	
PROCESS CONDENSATE 1L06429	CURIUM-244	13981-15-2	AM/CMPRECIP	9/2/03	0.21 pCi/L	0.21
LERF/ETF#242-A EvaporatcB1NP73	Curium-244	13981-15-2	AMCMISO_IE_PREC_AI	8/28/07	0.021 pCi/L	
PROCESS CONDENSATE 1L05033	DI-N-OCTYL PHTHALATE	117-84-0	SW-846 8270B	4/25/00	2 ug/L	2
LERF/ETF#242-A EvaporatcB1NP73	DI-n-octylphthalate	117-84-0	8270_SVOA_GCMS	8/28/07	1.2 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J2	Eicosane	112-95-8	8270_SVOA_GCMS	9/7/08	5.4 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J0	Eicosane	112-95-8	8270_SVOA_GCMS	9/5/06	5.3 ug/L	J
PROCESS CONDENSATE 1L05041	FLUORIDE	16984-48-8	EPA-600 300.0	5/2/00	0.18 mg/L	J
PROCESS CONDENSATE 1L05035	FLUORIDE	16984-48-8	EPA-600 300.0	4/26/00	0.15 mg/L	J
PROCESS CONDENSATE 1L05033	FLUORIDE	16984-48-8	EPA-600 300.0	4/25/00	0.15 mg/L	J
LERF/ETF#242-A EvaporatcB1NP69	Fluoride	16984-48-8	300.0_ANIONS_IC	7/9/07	0.043 mg/L	B
PROCESS CONDENSATE 1L06429	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	9/2/03	70 pCi/L	70
PROCESS CONDENSATE 1L06586	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/24/04	24 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J2	Gross alpha	12587-46-1	ALPHA_GPC	9/7/08	14 pCi/L	
PROCESS CONDENSATE 1L05033	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	4/25/00	14 pCi/L	
PROCESS CONDENSATE 1L05474	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/18/01	12 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Gross alpha	12587-46-1	ALPHA_GPC	8/8/07	9.2 pCi/L	

LERF/ETF#242-A EvaporatcB1NP69	Gross alpha	12587-46-1	ALPHA_GPC	7/9/07		6.3 pCi/L
LERF/ETF#242-A EvaporatcB1NP73	Gross alpha	12587-46-1	ALPHA_GPC	8/28/07		4 pCi/L
PROCESS CONDENSATE :L05478	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	3/21/01		4 pCi/L
PROCESS CONDENSATE :L08431	GROSS ALPHA	12587-46-1	GROSS-ALPHA (DGPC)	9/3/03		2.3 pCi/L
LERF/ETF#242-A EvaporatcB1C8C7	Gross alpha	12587-46-1	ALPHA_GPC	3/22/05		1.8 pCi/L
PROCESS CONDENSATE :L05041	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	5/2/00		pCi/L
LERF/ETF#242-A EvaporatcB1C8C9	Gross beta	12587-47-2	BETA_GPC	3/24/05	13000	13000 pCi/L
PROCESS CONDENSATE :L06586	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/24/04		9100 pCi/L
PROCESS CONDENSATE :L06584	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/18/04		7300 pCi/L
PROCESS CONDENSATE :L05033	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	4/25/00		2900 pCi/L
PROCESS CONDENSATE :L08429	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	9/2/03		2300 pCi/L
LERF/ETF#242-A EvaporatcB1K7J0	Gross beta	12587-47-2	BETA_GPC	9/5/06		2200 pCi/L
LERF/ETF#242-A EvaporatcB1K7J2	Gross beta	12587-47-2	BETA_GPC	9/7/06		2000 pCi/L
LERF/ETF#242-A EvaporatcB1NP71	Gross beta	12587-47-2	BETA_GPC	8/9/07		1900 pCi/L
PROCESS CONDENSATE :L08431	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	9/3/03		1300 pCi/L
PROCESS CONDENSATE :L05478	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/21/01		1200 pCi/L
PROCESS CONDENSATE :L04537	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	7/30/99		900 pCi/L
LERF/ETF#242-A EvaporatcB1NP69	Gross beta	12587-47-2	BETA_GPC	7/9/07		820 pCi/L
PROCESS CONDENSATE :L05035	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	4/26/00		740 pCi/L
LERF/ETF#242-A EvaporatcB1NP73	Gross beta	12587-47-2	BETA_GPC	8/28/07		700 pCi/L
PROCESS CONDENSATE :L05474	GROSS BETA	12587-47-2	GROSS-BETA (DPC)	3/18/01		640 pCi/L
LERF/ETF#242-A EvaporatcB1C8C7	Gross beta	12587-47-2	BETA_GPC	3/22/05		610 pCi/L
TEDF Generator#242-A Eva:B1MW66	Gross beta	12587-47-2	BETA_GPC	7/16/07		37 pCi/L
LERF/ETF#242-A EvaporatcB1NP69	Iodine-129	15046-84-1	I129_SEP_LEPS_GS	7/9/07	7.3	7.3 pCi/L
LERF/ETF#242-A EvaporatcB1NP71	Iron	7439-99-8	6010_METALS_ICP	8/8/07	53.9	53.9 ug/L
PROCESS CONDENSATE :L05041	IRON	7439-99-8	SW-846 6010A	5/2/00		47.9 ug/L
LERF/ETF#242-A EvaporatcB1NP69	Iron	7439-99-8	6010_METALS_ICP	7/9/07		26.1 ug/L
TEDF Generator#242-A Eva:B1MW66	Iron	7439-99-8	6010_METALS_ICP	7/16/07		23.2 ug/L
LERF/ETF#242-A EvaporatcB1C8C9	Iron	7439-99-8	6010_METALS_ICP	3/24/05		21.9 ug/L
PROCESS CONDENSATE :L05035	IRON	7439-99-8	SW-846 6010A	4/26/00		21 ug/L
LERF/ETF#242-A EvaporatcB1NP73	Iron	7439-99-8	6010_METALS_ICP	8/28/07		17.7 ug/L
TEDF Generator#242-A Eva:B1MW66	Iron	7439-99-8	6010_METALS_ICP	7/16/07		14.5 ug/L
PROCESS CONDENSATE :L08431	IRON	7439-99-8	SW-846 6010	9/3/03		4.8 ug/L
PROCESS CONDENSATE :L06429	LEAD	7439-92-1	EPA-600 200.8	9/2/03	94.59	94.59 ug/L
PROCESS CONDENSATE :L04537	LEAD	7439-92-1	EPA-600 200.8	7/30/99		46.1 ug/L
PROCESS CONDENSATE :L08431	LEAD	7439-92-1	EPA-600 200.8	9/3/03		31.61 ug/L
PROCESS CONDENSATE :L05041	LEAD	7439-92-1	EPA-600 200.8	5/2/00		29.7 ug/L
PROCESS CONDENSATE :L05035	LEAD	7439-92-1	EPA-600 200.8	4/26/00		22.4 ug/L
PROCESS CONDENSATE :L05033	LEAD	7439-92-1	EPA-600 200.8	4/25/00		18.3 ug/L
LERF/ETF#242-A EvaporatcB1NP71	Lead	7439-92-1	200.8_METALS_ICPMS	8/8/07		8.99 ug/L
LERF/ETF#242-A EvaporatcB1K7J0	Lead	7439-92-1	200.8_METALS_ICPMS	9/5/06		5.96 ug/L
LERF/ETF#242-A EvaporatcB1NP73	Lead	7439-92-1	200.8_METALS_ICPMS	6/28/07		5.83 ug/L
LERF/ETF#242-A EvaporatcB1C8C7	Lead	7439-92-1	200.8_METALS_ICPMS	3/22/05		5.66 ug/L
LERF/ETF#242-A EvaporatcB1NP69	Lead	7439-92-1	200.8_METALS_ICPMS	7/9/07		4.77 ug/L
PROCESS CONDENSATE :L06586	LEAD	7439-92-1	EPA-600 200.8	3/24/04		4.57 ug/L
LERF/ETF#242-A EvaporatcB1K7J2	Lead	7439-92-1	200.8_METALS_ICPMS	9/7/06		4.53 ug/L
PROCESS CONDENSATE :L06584	LEAD	7439-92-1	EPA-600 200.8	3/18/04		3.85 ug/L
LERF/ETF#242-A EvaporatcB1C8C9	Lead	7439-92-1	200.8_METALS_ICPMS	3/24/05		3.82 ug/L
PROCESS CONDENSATE :L05474	LEAD	7439-92-1	EPA-600 200.8	3/18/01		2.14 ug/L
PROCESS CONDENSATE :L05478	LEAD	7439-92-1	EPA-600 200.8	3/21/01		1.92 ug/L
TEDF Generator#242-A Eva:B1MW66	Lead	7439-92-1	200.8_METALS_ICPMS	7/16/07		0.802 ug/L
LERF/ETF#242-A EvaporatcB1NP69	Lead-214	15067-26-4	GAMMA_GS	7/9/07	57.4	57.4 pCi/L
TEDF Generator#242-A Eva:B1MW66	Magnesium	7439-95-4	6010_METALS_ICP	7/16/07	3940	3940 ug/L
TEDF Generator#242-A Eva:B1MW66	Magnesium	7439-95-4	6010_METALS_ICP	7/16/07		783 ug/L
LERF/ETF#242-A EvaporatcB1C8C9	Magnesium	7439-95-4	6010_METALS_ICP	3/24/05		213 ug/L
PROCESS CONDENSATE :L06586	MAGNESIUM	7439-95-4	SW-846 6010	3/24/04		38.4 ug/L
LERF/ETF#242-A EvaporatcB1C8C7	Magnesium	7439-95-4	6010_METALS_ICP	3/22/05		24.2 ug/L
PROCESS CONDENSATE :L06429	MAGNESIUM	7439-95-4	SW-846 6010	9/2/03		11 ug/L
LERF/ETF#242-A EvaporatcB1NP71	Magnesium	7439-95-4	6010_METALS_ICP	8/8/07		9.9 ug/L
PROCESS CONDENSATE :L06431	MAGNESIUM	7439-95-4	SW-846 6010	9/3/03		7.9 ug/L
LERF/ETF#242-A EvaporatcB1C8C9	Manganese	7439-96-5	200.8_METALS_ICPMS	3/24/05	0.478	0.478 ug/L
LERF/ETF#242-A EvaporatcB1C8C7	Manganese	7439-96-5	200.8_METALS_ICPMS	3/22/05		0.163 ug/L

PROCESS CONDENSATE :L05041	MERCURY	7439-97-6	EPA-600 200.8	5/2/00	1.22	1.22 ug/L	J
PROCESS CONDENSATE :L04537	MERCURY	7439-97-6	EPA-600 200.8	7/30/99		0.57 ug/L	
PROCESS CONDENSATE :L05033	MERCURY	7439-97-6	EPA-600 200.8	4/25/00		0.52 ug/L	
PROCESS CONDENSATE :L08429	MERCURY	7439-97-6	EPA-600 200.8	8/2/03		0.42 ug/L	J
PROCESS CONDENSATE :L05474	MERCURY	7439-97-6	EPA-600 200.8	3/18/01		0.41 ug/L	
PROCESS CONDENSATE :L05035	MERCURY	7439-97-6	EPA-600 200.8	4/26/00		0.4 ug/L	
PROCESS CONDENSATE :L05478	MERCURY	7439-97-6	EPA-600 200.8	3/21/01		0.36 ug/L	
LERF/ETF#242-A EvaporatcB1C8C9	Mercury	7439-97-6	200.8_METALS_ICPMS	3/24/05		0.322 ug/L	
PROCESS CONDENSATE :L06584	MERCURY	7439-97-6	EPA-600 200.8	3/18/04		0.29 ug/L	
PROCESS CONDENSATE :L08431	MERCURY	7439-97-6	EPA-600 200.8	9/3/03		0.23 ug/L	J
PROCESS CONDENSATE :L06586	MERCURY	7439-97-6	EPA-600 200.8	3/24/04		0.19 ug/L	
LERF/ETF#242-A EvaporatcB1NP69	Mercury	7439-97-6	200.8_METALS_ICPMS	7/9/07		0.174 ug/L	
LERF/ETF#242-A EvaporatcB1NP71	Mercury	7439-97-6	200.8_METALS_ICPMS	8/8/07		0.166 ug/L	
LERF/ETF#242-A EvaporatcB1C8C7	Mercury	7439-97-6	200.8_METALS_ICPMS	3/22/05		0.121 ug/L	
LERF/ETF#242-A EvaporatcB1K7J0	Mercury	7439-97-6	200.8_METALS_ICPMS	9/5/06		0.115 ug/L	
LERF/ETF#242-A EvaporatcB1NP73	Mercury	7439-97-6	200.8_METALS_ICPMS	8/28/07		0.1 ug/L	
LERF/ETF#242-A EvaporatcB1K7J2	Mercury	7439-97-6	200.8_METALS_ICPMS	9/7/06		0.082 ug/L	
PROCESS CONDENSATE :L05041	METHYLENE CHLORIDE	75-09-2	SW-846 8250A	5/2/00	2	2 ug/L	J
PROCESS CONDENSATE :L06584	NEPTUNIUM-237	13994-20-2	PUPRECIP	3/18/04	0.71	0.71 pCi/L	J
LERF/ETF#242-A EvaporatcB1C8C7	Neptunium-237	13994-20-2	PUI50_IE_PRECIP_AE/	3/22/05		0.36 pCi/L	X
LERF/ETF#242-A EvaporatcB1K7J2	Neptunium-237	13994-20-2	PUI50_IE_PRECIP_AE/	9/7/06		0.1 pCi/L	
PROCESS CONDENSATE :L08429	NEPTUNIUM-237	13994-20-2	PUPRECIP	9/2/03		0.08 pCi/L	
PROCESS CONDENSATE :L05033	NEPTUNIUM-237	13994-20-2	PUPRECIP	4/25/00		0.08 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Neptunium-237	13994-20-2	NP237_IE_PRECIP_AE/	8/8/07		0.075 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J0	Neptunium-237	13994-20-2	PUI50_IE_PRECIP_AE/	9/5/06		0.073 pCi/L	
PROCESS CONDENSATE :L05035	NEPTUNIUM-237	13994-20-2	PUPRECIP	4/26/00		0.06 pCi/L	
PROCESS CONDENSATE :L05474	NEPTUNIUM-237	13994-20-2	PUPRECIP	3/18/01		0.05 pCi/L	
LERF/ETF#242-A EvaporatcB1C8C9	Neptunium-237	13994-20-2	PUI50_IE_PRECIP_AE/	3/24/05		0.045 pCi/L	X
PROCESS CONDENSATE :L08431	NEPTUNIUM-237	13994-20-2	PUPRECIP	9/3/03		0.04 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Nickel	7440-02-0	6010_METALS_ICP	8/8/07	6	6 ug/L	
LERF/ETF#242-A EvaporatcB1C8C9	Nickel	7440-02-0	6010_METALS_ICP	3/24/05		3.9 ug/L	
LERF/ETF#242-A EvaporatcB1C8C7	Nickel	7440-02-0	6010_METALS_ICP	3/22/05		3.6 ug/L	
PROCESS CONDENSATE :L08429	NICKEL	7440-02-0	SW-846 6010	9/2/03		2.5 ug/L	
LERF/ETF#242-A EvaporatcB1C8C9	Nickel	7440-02-0	200.8_METALS_ICPMS	3/24/05		1.01 ug/L	
LERF/ETF#242-A EvaporatcB1C8C7	Nickel	7440-02-0	200.8_METALS_ICPMS	3/22/05		0.401 ug/L	
PROCESS CONDENSATE :L05035	NITRATE (AS N)	NO3-N	EPA-600 300.0	4/26/00	0.07	0.07 mg/L	J
PROCESS CONDENSATE :L08431	NITRATE (AS N)	NO3-N	EPA-600 300.0	9/3/03		0.01 mg/L	J
LERF/ETF#242-A EvaporatcB1NP73	Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	8/28/07	451	451 mg/L	D
LERF/ETF#242-A EvaporatcB1NP71	Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	8/8/07		359 mg/L	D
LERF/ETF#242-A EvaporatcB1C8C7	Nitrogen in ammonium	NH4-N	300.7_IC	3/22/05		225 mg/L	
LERF/ETF#242-A EvaporatcB1C8C9	Nitrogen in ammonium	NH4-N	300.7_IC	3/24/05		159 mg/L	
LERF/ETF#242-A EvaporatcB1K7J0	Nitrogen in ammonium	NH4-N	300.7_IC	9/5/06		131 mg/L	
LERF/ETF#242-A EvaporatcB1K7J2	Nitrogen in ammonium	NH4-N	300.7_IC	9/7/06		114 mg/L	
LERF/ETF#242-A EvaporatcB1NP69	Nitrogen in ammonium	NH4-N	300.7_CATIONS_IC	7/8/07		81.8 mg/L	D
LERF/ETF#242-A EvaporatcB1NP69	Nitrogen in Nitrate	NO3-N	300.0_ANIONS_IC	7/8/07		0.014 mg/L	B
PROCESS CONDENSATE :L05035A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00	196	196 mg/L	
PROCESS CONDENSATE :L05033A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/25/00		140 mg/L	
PROCESS CONDENSATE :L05041A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	5/2/00		139 mg/L	
PROCESS CONDENSATE :L05037A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00		96.4 mg/L	
PROCESS CONDENSATE :L05033AP	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00		4.22 mg/L	
PROCESS CONDENSATE :L05038A	NITROGEN TOTAL (TKN)	N-KJELDAHL	EPA-600 351.3	4/26/00		0.57 mg/L	
PROCESS CONDENSATE :L08431	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	9/3/03	2760	2760 ug/L	D
PROCESS CONDENSATE :L08429	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	9/2/03		2090 ug/L	D
LERF/ETF#242-A EvaporatcB1NP73	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	8/28/07		1500 ug/L	D
LERF/ETF#242-A EvaporatcB1C8C7	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	3/22/05		690 ug/L	
LERF/ETF#242-A EvaporatcB1K7J0	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	9/5/06		470 ug/L	D
LERF/ETF#242-A EvaporatcB1C8C9	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	3/24/05		460 ug/L	
LERF/ETF#242-A EvaporatcB1K7J2	n-Nitrosodimethylamine	62-75-9	8270_SVOA_GCMS	9/7/06		330 ug/L	D
PROCESS CONDENSATE :L05041	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	5/2/00		200 ug/L	
PROCESS CONDENSATE :L05033	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	4/25/00		140 ug/L	
PROCESS CONDENSATE :L05035	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	4/26/00		130 ug/L	
PROCESS CONDENSATE :L05478	N-NITROSODIMETHYLAMINE	62-75-9	SW-846 8270B	3/21/01		12 ug/L	

LERF/ETF#242-A EvaporatcB1NP73	n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	8/28/07	36	36 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J0	n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	9/5/06		15 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J2	n-Nitrosomorpholine	59-89-2	8270_SVOA_GCMS	9/7/06		11 ug/L	J
LERF/ETF#242-A EvaporatcB1NP69	nonadecane	629-92-5	8270_SVOA_GCMS	7/9/07	8.3	8.3 ug/L	J
PROCESS CONDENSATE :L06429	PH MEASUREMENT	PH	EPA-600 150.1	9/2/03	11.04	11.04 pH	
PROCESS CONDENSATE :L06431	PH MEASUREMENT	PH	EPA-600 150.1	9/3/03		10.96 pH	
PROCESS CONDENSATE :L05041	PH MEASUREMENT	PH	EPA-600 150.1	5/2/00		10.73 pH	
LERF/ETF#242-A EvaporatcB1C8C7	pH Measurement	PH	150.1_PH	3/22/05		10.6 pH	
PROCESS CONDENSATE :L05033	PH MEASUREMENT	PH	EPA-600 150.1	4/25/00		10.6 pH	
LERF/ETF#242-A EvaporatcB1K7J2	pH Measurement	PH	150.1_PH	9/7/06		10.4 pH	
LERF/ETF#242-A EvaporatcB1C8C8	pH Measurement	PH	150.1_PH	3/24/05		10.4 pH	
PROCESS CONDENSATE :L05474	PH MEASUREMENT	PH	EPA-600 150.1	3/18/01		10.4 pH	
PROCESS CONDENSATE :L05478	PH MEASUREMENT	PH	EPA-600 150.1	3/21/01		10.39 pH	
PROCESS CONDENSATE :L05035	PH MEASUREMENT	PH	EPA-600 150.1	4/26/00		10.39 pH	
LERF/ETF#242-A EvaporatcB1NP73	pH Measurement	PH	150.1_PH	8/28/07		10.3 pH	
LERF/ETF#242-A EvaporatcB1NP71	pH Measurement	PH	150.1_PH	8/6/07		10.3 pH	
PROCESS CONDENSATE :L06586	PH MEASUREMENT	PH	EPA-600 150.1	3/24/04		10.25 pH	
PROCESS CONDENSATE :L06584	PH MEASUREMENT	PH	EPA-600 150.1	3/18/04		10.18 pH	
LERF/ETF#242-A EvaporatcB1K7J0	pH Measurement	PH	150.1_PH	9/5/06		9.91 pH	
LERF/ETF#242-A EvaporatcB1NP69	pH Measurement	PH	150.1_PH	7/9/07		9.77 pH	
PROCESS CONDENSATE :L06429	PHOSPHATE (AS P)	14285-44-2	EPA-600 300.0	9/2/03	0.16	0.16 mg/L	J
PROCESS CONDENSATE :L06431	PHOSPHATE (AS P)	14285-44-2	EPA-600 300.0	9/3/03		0.11 mg/L	J
LERF/ETF#242-A EvaporatcB1NP73	Phosphorus in phosphate	PO4-P	300.0_ANIONS_IC	8/28/07		0.088 mg/L	B
LERF/ETF#242-A EvaporatcB1C8C7	Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AE/	3/22/05	0.86	0.86 pCi/L	
PROCESS CONDENSATE :L05035	PLUTONIUM-238	13981-16-3	PUPRECIP	4/26/00		0.5 pCi/L	
PROCESS CONDENSATE :L05041	PLUTONIUM-238	13981-16-3	PUPRECIP	5/2/00		0.49 pCi/L	
PROCESS CONDENSATE :L06429	PLUTONIUM-238	13981-16-3	PUPRECIP	9/2/03		0.42 pCi/L	
PROCESS CONDENSATE :L06584	PLUTONIUM-238	13981-16-3	PUPRECIP	3/18/04		0.29 pCi/L	
PROCESS CONDENSATE :L05033	PLUTONIUM-238	13981-16-3	PUPRECIP	4/25/00		0.28 pCi/L	
LERF/ETF#242-A EvaporatcB1C8C9	Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AE/	3/24/05		0.14 pCi/L	
LERF/ETF#242-A EvaporatcB1NP69	Plutonium-238	13981-16-3	PUISO_IE_PRECIP_AE/	7/9/07		0.043 pCi/L	
PROCESS CONDENSATE :L06584	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/18/04	0.86	0.86 pCi/L	
LERF/ETF#242-A EvaporatcB1C8C9	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	3/24/05		0.68 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J0	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	9/5/06		0.66 pCi/L	
PROCESS CONDENSATE :L06586	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/24/04		0.64 pCi/L	
LERF/ETF#242-A EvaporatcB1K7J2	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	9/7/06		0.62 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	8/6/07		0.33 pCi/L	
LERF/ETF#242-A EvaporatcB1C8C7	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	3/22/05		0.33 pCi/L	
PROCESS CONDENSATE :L06429	PLUTONIUM-239/240	PU-239/240	PUPRECIP	9/2/03		0.3 pCi/L	
LERF/ETF#242-A EvaporatcB1NP69	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	7/9/07		0.26 pCi/L	
LERF/ETF#242-A EvaporatcB1NP73	Plutonium-239/240	PU-239/240	PUISO_IE_PRECIP_AE/	8/28/07		0.22 pCi/L	
PROCESS CONDENSATE :L06431	PLUTONIUM-239/240	PU-239/240	PUPRECIP	9/3/03		0.18 pCi/L	
PROCESS CONDENSATE :L05041	PLUTONIUM-239/240	PU-239/240	PUPRECIP	5/2/00		0.14 pCi/L	
PROCESS CONDENSATE :L05478	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/21/01		0.13 pCi/L	
PROCESS CONDENSATE :L05033	PLUTONIUM-239/240	PU-239/240	PUPRECIP	4/25/00		0.13 pCi/L	
PROCESS CONDENSATE :L05035	PLUTONIUM-239/240	PU-239/240	PUPRECIP	4/26/00		0.11 pCi/L	
PROCESS CONDENSATE :L05474	PLUTONIUM-239/240	PU-239/240	PUPRECIP	3/18/01		0.08 pCi/L	
TEDF Generator#242-A EvaB1MW66	Potassium	7440-09-7	6010_METALS_ICP	7/18/07	689	689 ug/L	
LERF/ETF#242-A EvaporatcB1NP71	Potassium	7440-09-7	6010_METALS_ICP	8/8/07		142 ug/L	
TEDF Generator#242-A EvaB1MW68	Potassium	7440-09-7	6010_METALS_ICP	7/16/07		80.8 ug/L	
PROCESS CONDENSATE :L06431	POTASSIUM	7440-09-7	SW-846 6010	9/3/03		25.8 ug/L	
PROCESS CONDENSATE :L05474	PROPIONITRILE	107-12-0	SW-846 6260A	3/18/01	16	16 ug/L	
LERF/ETF#242-A EvaporatcB1NP73	Pyrazine	290-37-9	8270_SVOA_GCMS	8/28/07	11	11 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J2	Pyrazine	290-37-9	8270_SVOA_GCMS	9/7/06		11 ug/L	J
LERF/ETF#242-A EvaporatcB1K7J0	Pyrazine	290-37-9	8270_SVOA_GCMS	9/5/06		9.6 ug/L	J
LERF/ETF#242-A EvaporatcB1NP69	Radium-226	13982-63-3	GAMMA_GS	7/9/07	60.8	60.8 pCi/L	
LERF/ETF#242-A EvaporatcB1NP73	Radium-226	13982-63-3	GAMMA_GS	8/28/07		37.5 pCi/L	
PROCESS CONDENSATE :L06584	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	3/18/04		0.08 pCi/L	
PROCESS CONDENSATE :L05474	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	3/18/01		0.07 pCi/L	
LERF/ETF#242-A EvaporatcB1NP71	Radium-226	13982-63-3	RAISO_AEA	8/8/07		0.065 pCi/L	
PROCESS CONDENSATE :L06431	RADIUM-226	13982-63-3	RADIUM-226 (AEA)	9/3/03		0.03 pCi/L	
LERF/ETF#242-A EvaporatcB1NP73	Radium-226	13982-63-3	RAISO_AEA	8/28/07		0.014 pCi/L	

PROCESS CONDENSATE 2L04537	SELENIUM	7782-49-2	EPA-600 200.8	7/30/99	1.16	1.16 ug/L	B
LERF/ETF#242-A Evaporator B1NP71	Selenium	7782-49-2	200.8_METALS_ICPMS	8/8/07		0.513 ug/L	C
TEDF Generator#242-A Eva B1MW66	Selenium	7782-49-2	200.8_METALS_ICPMS	7/18/07		0.474 ug/L	
TEDF Generator#242-A Eva B1MW66	Selenium	7782-49-2	200.8_METALS_ICPMS	7/16/07		0.332 ug/L	
TEDF Generator#242-A Eva B1MW66	SILICON	7440-21-3	6010_METALS_ICP	7/18/07	2380	2380 ug/L	
PROCESS CONDENSATE 2L06586	SILICON	7440-21-3	SW-846 6010	3/24/04		1395 ug/L	
PROCESS CONDENSATE 2L05035	SILICON	7440-21-3	SW-846 6010A	4/26/00		918 ug/L	B
PROCESS CONDENSATE 2L05474	SILICON	7440-21-3	SW-846 6010	3/18/01		885 ug/L	J
PROCESS CONDENSATE 2L05033	SILICON	7440-21-3	SW-846 6010A	4/25/00		882 ug/L	B
PROCESS CONDENSATE 2L05478	SILICON	7440-21-3	SW-846 6010	3/21/01		808 ug/L	J
LERF/ETF#242-A Evaporator B1C8C9	SILICON	7440-21-3	6010_METALS_ICP	3/24/05		783 ug/L	
PROCESS CONDENSATE 2L06584	SILICON	7440-21-3	SW-846 6010	3/18/04		781.7 ug/L	
PROCESS CONDENSATE 2L05041	SILICON	7440-21-3	SW-846 6010A	5/2/00		646 ug/L	B
TEDF Generator#242-A Eva B1MW66	SILICON	7440-21-3	6010_METALS_ICP	7/18/07		460 ug/L	
LERF/ETF#242-A Evaporator B1NP71	SILICON	7440-21-3	6010_METALS_ICP	8/8/07		449 ug/L	C
LERF/ETF#242-A Evaporator B1C8C7	SILICON	7440-21-3	6010_METALS_ICP	3/22/05		408 ug/L	
LERF/ETF#242-A Evaporator B1K7J2	SILICON	7440-21-3	6010_METALS_ICP	9/7/06		212 ug/L	
LERF/ETF#242-A Evaporator B1K7J0	SILICON	7440-21-3	6010_METALS_ICP	8/5/06		158 ug/L	
LERF/ETF#242-A Evaporator B1NP73	SILICON	7440-21-3	6010_METALS_ICP	8/28/07		138 ug/L	
PROCESS CONDENSATE 2L06429	SILICON	7440-21-3	SW-846 6010	9/2/03		76.6 ug/L	B
PROCESS CONDENSATE 2L06431	SILICON	7440-21-3	SW-846 6010	9/3/03		67.9 ug/L	B
LERF/ETF#242-A Evaporator B1NP69	SILICON	7440-21-3	6010_METALS_ICP	7/9/07		43 ug/L	
LERF/ETF#242-A Evaporator B1NP69	SILVER	7440-22-4	6010_METALS_ICP	7/9/07	9.6	9.6 ug/L	
TEDF Generator#242-A Eva B1MW66	SILVER	7440-22-4	6010_METALS_ICP	7/18/07		9.2 ug/L	
TEDF Generator#242-A Eva B1MW66	SILVER	7440-22-4	6010_METALS_ICP	7/18/07		8.2 ug/L	
TEDF Generator#242-A Eva B1MW66	SODIUM	7440-23-5	6010_METALS_ICP	7/18/07	1800	1800 ug/L	
LERF/ETF#242-A Evaporator B1NP71	SODIUM	7440-23-5	6010_METALS_ICP	8/8/07		667 ug/L	
LERF/ETF#242-A Evaporator B1NP73	SODIUM	7440-23-5	6010_METALS_ICP	8/28/07		486 ug/L	
TEDF Generator#242-A Eva B1MW66	SODIUM	7440-23-5	6010_METALS_ICP	7/16/07		362 ug/L	
PROCESS CONDENSATE 2L05478	SODIUM	7440-23-5	SW-846 6010	3/21/01		61.4 ug/L	
LERF/ETF#242-A Evaporator B1NP73	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	8/28/07	222	222 uS/cm	
LERF/ETF#242-A Evaporator B1NP71	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	8/8/07		200 uS/cm	
LERF/ETF#242-A Evaporator B1C8C7	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	3/22/05		142 uS/cm	
LERF/ETF#242-A Evaporator B1C8C9	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	3/24/05		133 uS/cm	
LERF/ETF#242-A Evaporator B1K7J2	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	9/7/06		113 uS/cm	
LERF/ETF#242-A Evaporator B1K7J0	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	8/5/06		109 uS/cm	
LERF/ETF#242-A Evaporator B1NP69	SPECIFIC CONDUCTANCE	CONDUCT	120.1_CONDUCT	7/9/07		85.5 uS/cm	
PROCESS CONDENSATE 2L06429	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	9/2/03	268	268 umhos/cm	
PROCESS CONDENSATE 2L06431	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	9/3/03		247 umhos/cm	
PROCESS CONDENSATE 2L05041	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	5/2/00		114 umhos/cm	
PROCESS CONDENSATE 2L05033	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	4/25/00		94.4 umhos/cm	
PROCESS CONDENSATE 2L05035	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	4/26/00		94.2 umhos/cm	
PROCESS CONDENSATE 2L06586	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/24/04		82.3 umhos/cm	
PROCESS CONDENSATE 2L05474	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/18/01		67 umhos/cm	
PROCESS CONDENSATE 2L06584	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/18/04		65.1 umhos/cm	
PROCESS CONDENSATE 2L05478	SPECIFIC CONDUCTIVITY	CONDUCT	EPA-600 120.1	3/21/01		61.6 umhos/cm	
LERF/ETF#242-A Evaporator B1C8C9	STRONTIUM	7440-24-6	200.8_METALS_ICPMS	3/24/05	4.69	4.69 ug/L	
PROCESS CONDENSATE 2L06586	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	3/24/04	410	410 pCi/L	
PROCESS CONDENSATE 2L06584	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	3/18/04		270 pCi/L	
PROCESS CONDENSATE 2L05035	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	4/26/00		75 pCi/L	
PROCESS CONDENSATE 2L05033	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	4/25/00		68 pCi/L	
PROCESS CONDENSATE 2L06431	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	9/3/03		58 pCi/L	
PROCESS CONDENSATE 2L06429	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	9/2/03		58 pCi/L	
PROCESS CONDENSATE 2L05041	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	5/2/00		52 pCi/L	
PROCESS CONDENSATE 2L04537	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	7/30/99		23 pCi/L	
PROCESS CONDENSATE 2L05478	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	3/21/01		21 pCi/L	
PROCESS CONDENSATE 2L05474	STRONTIUM-90	10098-97-2	STRONTIUM-90 SPEC	3/18/01		21 pCi/L	
TEDF Generator#242-A Eva B1MW66	Sulfate	14806-79-8	300.0_ANIONS_IC	7/16/07	8.01	8.01 mg/L	
TEDF Generator#242-A Eva B1MW66	Sulfate	14806-79-8	300.0_ANIONS_IC	7/18/07		1.46 mg/L	
LERF/ETF#242-A Evaporator B1C8C9	Sulfate	14806-79-8	300.0_ANIONS_IC	3/24/05		0.608 mg/L	B
PROCESS CONDENSATE 2L06586	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/24/04	27	27 pCi/L	
PROCESS CONDENSATE 2L06584	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/18/04		20 pCi/L	

LERF/ETF#242-A Evaporator B1C8C9	Technetium-99	14133-76-7	TC99_3MDSK_LSC	3/24/05		17 pCi/L	
PROCESS CONDENSATE 2L06431	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	9/3/03		14 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Technetium-99	14133-76-7	TC99_3MDSK_LSC	8/28/07		10 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Technetium-99	14133-76-7	TC99_3MDSK_LSC	7/9/07		10 pCi/L	
PROCESS CONDENSATE 2L05478	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	3/21/01		8.8 pCi/L	
PROCESS CONDENSATE 2L06429	TECHNETIUM-99	14133-76-7	TC99CHEMLSC	9/2/03		8.3 pCi/L	
LERF/ETF#242-A Evaporator B1NP71	Technetium-99	14133-76-7	TC99_3MDSK_LSC	8/8/07		3.2 pCi/L	
PROCESS CONDENSATE 2L04537	TETRADECANE	828-99-4	SW-846 8270B	7/30/99	42	42 ug/L	
PROCESS CONDENSATE 2L06586	TETRAHYDROFURAN	109-99-9	SW-846 8260A	3/24/04	420	420 ug/L	
PROCESS CONDENSATE 2L06584	TETRAHYDROFURAN	109-99-9	SW-846 8260A	3/18/04		280 ug/L	
PROCESS CONDENSATE 2L05478	TETRAHYDROFURAN	109-99-9	SW-846 8260A	3/21/01		160 ug/L	
PROCESS CONDENSATE 2L05474	TETRAHYDROFURAN	109-99-9	SW-846 8260A	3/18/01		160 ug/L	
PROCESS CONDENSATE 2L04537	TETRAHYDROFURAN	109-99-9	SW-846 8260A	7/30/99		95 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	7/9/07		57 ug/L	
PROCESS CONDENSATE 2L05041	TETRAHYDROFURAN	109-99-9	SW-846 8260A	5/2/00		53 ug/L	
PROCESS CONDENSATE 2L05033	TETRAHYDROFURAN	109-99-9	SW-846 8260A	4/25/00		19 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	8/8/07		17 ug/L	
PROCESS CONDENSATE 2L05035	TETRAHYDROFURAN	109-99-9	SW-846 8260A	4/26/00		15 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	3/22/05		14 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	3/24/05		12 ug/L	
LERF/ETF#242-A Evaporator B1NP73	Tetrahydrofuran	109-99-9	8260_VOA_GCMS	8/28/07		5.4 ug/L	
PROCESS CONDENSATE 2L06431	THALLIUM	7440-28-0	SW-846 8010	9/3/03	66.1	66.1 ug/L	
PROCESS CONDENSATE 2L06429	THALLIUM	7440-28-0	SW-846 8010	9/2/03		62.1 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Thallium	7440-28-0	6010_METALS_ICP	8/8/07		59.8 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Thallium	7440-28-0	6010_METALS_ICP	3/24/05		42.3 ug/L	
LERF/ETF#242-A Evaporator B1C8C7	Thallium	7440-28-0	6010_METALS_ICP	3/22/05		32.7 ug/L	
PROCESS CONDENSATE 2L06431	TITANIUM	7440-32-6	SW-846 8010	9/3/03		0.5 ug/L	
PROCESS CONDENSATE 2L06429	TITANIUM	7440-32-6	SW-846 8010	9/2/03		0.3 ug/L	
LERF/ETF#242-A Evaporator B1C8C9	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	3/24/05	880	880 pCi/L	
LERF/ETF#242-A Evaporator B1K7J0	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	9/5/06		760 pCi/L	
LERF/ETF#242-A Evaporator B1K7J2	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	9/7/06		670 pCi/L	
LERF/ETF#242-A Evaporator B1C8C7	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	3/22/05		131 pCi/L	
LERF/ETF#242-A Evaporator B1NP69	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	7/9/07		86 pCi/L	
LERF/ETF#242-A Evaporator B1NP71	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	8/8/07		16 pCi/L	
LERF/ETF#242-A Evaporator B1NP73	Total beta radiostrontium	SR-RAD	SRTOT_SEP_PRECIP_I	8/28/07		15 pCi/L	
PROCESS CONDENSATE 2L06586	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/24/04		17 ug/L	
PROCESS CONDENSATE 2L06584	TOTAL CRESOL	1319-77-3	SW-846 8270B	3/18/04		10 ug/L	
LERF/ETF#242-A Evaporator B1NP71	Total cresols	1319-77-3	8270_SVOA_GCMS	8/8/07	42	42 ug/L	
PROCESS CONDENSATE 2L06586	TOTAL DISSOLVED SOLIDS	TDS	EPA-800 160.1	3/24/04	10000	10000 ug/L	
PROCESS CONDENSATE 2L05041	TOTAL DISSOLVED SOLIDS	TDS	EPA-800 160.1	5/2/00		7000 ug/L	
PROCESS CONDENSATE 2L05033	TOTAL DISSOLVED SOLIDS	TDS	EPA-800 160.1	4/25/00		7000 ug/L	
TEDF Generator#242-A Eva. B1MW66	Total dissolved solids	TDS	160.1_TDS	7/16/07		71 mg/L	
TEDF Generator#242-A Eva. B1MW68	Total dissolved solids	TDS	160.1_TDS	7/16/07		22 mg/L	
LERF/ETF#242-A Evaporator B1K7J0	Total dissolved solids	TDS	160.1_TDS	9/5/06		10 mg/L	
LERF/ETF#242-A Evaporator B1NP69	Total organic carbon	TOC	9060_TOC	7/9/07	97.2	97.2 mg/L	
PROCESS CONDENSATE 2L05474	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/18/01		68.4 mg/L	
PROCESS CONDENSATE 2L05478	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/21/01		59.85 mg/L	
LERF/ETF#242-A Evaporator B1C8C7	Total organic carbon	TOC	9060_TOC	3/22/05		59.8 mg/L	
LERF/ETF#242-A Evaporator B1C8C9	Total organic carbon	TOC	9060_TOC	3/24/05		42 mg/L	
LERF/ETF#242-A Evaporator B1NP73	Total organic carbon	TOC	9060_TOC	8/28/07		38.8 mg/L	
PROCESS CONDENSATE 2L06431	TOTAL ORGANIC CARBON	TOC	SW-846 9060	9/3/03		34.16 mg/L	
PROCESS CONDENSATE 2L06429	TOTAL ORGANIC CARBON	TOC	SW-846 9060	9/2/03		33.88 mg/L	
LERF/ETF#242-A Evaporator B1NP71	Total organic carbon	TOC	9060_TOC	8/8/07		32.2 mg/L	
PROCESS CONDENSATE 2L06586	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/24/04		12.47 mg/L	
LERF/ETF#242-A Evaporator B1K7J0	Total organic carbon	TOC	9060_TOC	9/5/06		11.4 mg/L	
LERF/ETF#242-A Evaporator B1K7J2	Total organic carbon	TOC	9060_TOC	9/7/06		10.3 mg/L	
PROCESS CONDENSATE 2L06584	TOTAL ORGANIC CARBON	TOC	SW-846 9060	3/18/04		9.5 mg/L	
PROCESS CONDENSATE 2L05041	TOTAL ORGANIC CARBON	TOC	SW-846 9060	5/2/00		7.97 mg/L	
PROCESS CONDENSATE 2L05033	TOTAL ORGANIC CARBON	TOC	SW-846 9060	4/25/00		7.47 mg/L	
PROCESS CONDENSATE 2L05035	TOTAL ORGANIC CARBON	TOC	SW-846 9060	4/26/00		6.54 mg/L	
PROCESS CONDENSATE 2L05041	TOTAL SUSPENDED SOLIDS	TSS	EPA-800 160.2	5/2/00	1200	1200 ug/L	
LERF/ETF#242-A Evaporator B1NP69	Total suspended solids	TSS	160.2_TSS	7/9/07		1 mg/L	

TEDF Generator#242-A Eva B1MW68	Total Trihalomethanes	THM	8260_VOA_GCMS	7/18/07	3.1	3.1 ug/L	J
LERF/ETF#242-A Evaporatc B1NP69	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	7/9/07	780	780 ug/L	D
PROCESS CONDENSATE #L05478	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	3/21/01		120 ug/L	
PROCESS CONDENSATE #L05474	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	3/18/01		100 ug/L	
PROCESS CONDENSATE #L05041	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	5/2/00		27 ug/L	
PROCESS CONDENSATE #L04537	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	7/30/99		12 ug/L	
LERF/ETF#242-A Evaporatc B1NP71	Tributyl phosphate	126-73-8	8270_SVOA_GCMS	8/8/07		5.2 ug/L	
PROCESS CONDENSATE #L05035	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	4/28/00		0.9 ug/L	J
PROCESS CONDENSATE #L05033	TRIBUTYL PHOSPHATE	126-73-8	SW-846 8270B	4/25/00		0.8 ug/L	J
PROCESS CONDENSATE #L05478	TRITIUM	10028-17-8	H3LOWLSC	3/21/01	2600000	2600000 pCi/L	
PROCESS CONDENSATE #L05474	TRITIUM	10028-17-8	H3LOWLSC	3/18/01		2500000 pCi/L	
PROCESS CONDENSATE #L06586	TRITIUM	10028-17-8	EPA-600 906.0	3/24/04		2200000 pCi/L	
PROCESS CONDENSATE #L06584	TRITIUM	10028-17-8	EPA-600 906.0	3/18/04		1900000 pCi/L	
LERF/ETF#242-A Evaporatc B1NP69	Tritium	10028-17-8	TRITIUM_EIE_LSC	7/9/07		1400000 pCi/L	
LERF/ETF#242-A Evaporatc B1NP71	Tritium	10028-17-8	TRITIUM_EIE_LSC	8/8/07		760000 pCi/L	
PROCESS CONDENSATE #L05041	TRITIUM	10028-17-8	H3LOWLSC	5/2/00		690000 pCi/L	
LERF/ETF#242-A Evaporatc B1NP73	Tritium	10028-17-8	TRITIUM_EIE_LSC	8/28/07		520000 pCi/L	
LERF/ETF#242-A Evaporatc B1C8C7	Tritium	10028-17-8	TRITIUM_DIST_LSC	3/22/05		440000 pCi/L	
PROCESS CONDENSATE #L05033	TRITIUM	10028-17-8	H3LOWLSC	4/25/00		430000 pCi/L	
PROCESS CONDENSATE #L05035	TRITIUM	10028-17-8	H3LOWLSC	4/28/00		410000 pCi/L	
LERF/ETF#242-A Evaporatc B1K7J0	Tritium	10028-17-8	TRITIUM_DIST_LSC	9/5/08		350000 pCi/L	
LERF/ETF#242-A Evaporatc B1K7J2	Tritium	10028-17-8	TRITIUM_DIST_LSC	9/7/08		340000 pCi/L	
PROCESS CONDENSATE #L08431	TRITIUM	10028-17-8	EPA-600 906.0	9/3/03		220000 pCi/L	
PROCESS CONDENSATE #L06429	TRITIUM	10028-17-8	EPA-600 906.0	9/2/03		220000 pCi/L	
LERF/ETF#242-A Evaporatc B1C8C9	Tritium	10028-17-8	TRITIUM_DIST_LSC	3/24/05		200000 pCi/L	
TEDF Generator#242-A Eva B1MW68	Uranium	7440-61-1	200.8_METALS_ICPMS	7/18/07	0.447	0.447 ug/L	
TEDF Generator#242-A Eva B1MW68	Uranium	7440-61-1	200.8_METALS_ICPMS	7/18/07		0.082 ug/L	
LERF/ETF#242-A Evaporatc B1NP73	Vanadium	7440-62-2	6010_METALS_ICP	8/28/07	8.8	8.8 ug/L	
PROCESS CONDENSATE #L06431	VANADIUM	7440-62-2	SW-846 6010	9/3/03		2 ug/L	
PROCESS CONDENSATE #L06429	VANADIUM	7440-62-2	SW-846 6010	9/2/03		2 ug/L	
PROCESS CONDENSATE #L06429	ZINC	7440-66-8	SW-846 6010	9/2/03	79.9	79.9 ug/L	
PROCESS CONDENSATE #L06431	ZINC	7440-66-8	SW-846 6010	9/3/03		31.5 ug/L	
LERF/ETF#242-A Evaporatc B1K7J2	Zinc	7440-66-8	6010_METALS_ICP	9/7/08		16.2 ug/L	
PROCESS CONDENSATE #L05041	ZINC	7440-66-8	SW-846 6010A	5/2/00		9.37 ug/L	
LERF/ETF#242-A Evaporatc B1NP71	Zinc	7440-66-8	6010_METALS_ICP	8/8/07		6.1 ug/L	
PROCESS CONDENSATE #L04537	ZINC	7440-66-8	SW-846 6010A	7/30/99		4.6 ug/L	
LERF/ETF#242-A Evaporatc B1C8C7	Zinc	7440-66-8	200.8_METALS_ICPMS	3/22/05		4.19 ug/L	
LERF/ETF#242-A Evaporatc B1C8C7	Zinc	7440-66-8	6010_METALS_ICP	3/22/05		4 ug/L	

**ATTACHMENT G-3
242-A PROCESS CONDENSATE
SAMPLES SINCE 07/99 THROUGH 2007**

(3 PAGES)

All 242-A Process Condensate Samples since 7/99 through 2007.
 Detection limit (U) values deleted. Sorted by constituent.

constituent_name	casn	max resu units
TRITIUM	10028-17-8	2600000 pCi/L
AMMONIA (AS N)	7664-41-7	769000 ug/L
1-Butanol	71-36-3	72000 ug/L
Calcium	7440-70-2	17900 ug/L
Cesium-137	10045-97-3	13100 pCi/L
Gross beta	12587-47-2	13000 pCi/L
TOTAL DISSOLVED SOLIDS	TDS	10000 ug/L
Acetone	67-64-1	5900 ug/L
Magnesium	7439-95-4	3940 ug/L
N-NITROSODIMETHYLAMINE	62-75-9	2760 ug/L
Silicon	7440-21-3	2380 ug/L
2-BUTOXYETHANOL	111-76-2	2300 ug/L
Sodium	7440-23-5	1860 ug/L
TOTAL SUSPENDED SOLIDS	TSS	1200 ug/L
Total beta radiostromtium	SR-RAD	880 pCi/L
COPPER	7440-50-8	818 ug/L
Tributyl phosphate	126-73-8	780 ug/L
Potassium	7440-09-7	689 ug/L
ALKALINITY (MG CaCO3/L)	ALKALINITY	520 mg/L
Nitrogen in ammonium	NH4-N	451 mg/L
TETRAHYDROFURAN	109-99-9	420 ug/L
STRONTIUM-90	10098-97-2	410 pCi/L
CARBON-14	14762-75-5	300 pCi/L
SPECIFIC CONDUCTIVITY	CONDUCT	268 umhos/cm
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	230 ug/L
Specific Conductance	CONDUCT	222 uS/cm
NITROGEN TOTAL (TKN)	N-KJELDAHL	196 mg/L
Bismuth-214	14733-03-0	102 pCi/L
Total organic carbon	TOC	97.2 mg/L
LEAD	7439-92-1	94.59 ug/L
2-BUTANONE	78-93-3	86 ug/L
Radium-226	13982-63-3	80.8 pCi/L
Benzyl alcohol	100-51-6	80 ug/L
ZINC	7440-66-6	79.9 ug/L
GROSS ALPHA	12587-46-1	70 pCi/L
THALLIUM	7440-28-0	66.1 ug/L
Lead-214	15067-28-4	57.4 pCi/L
Iron	7439-89-6	53.9 ug/L
2-Methylphenol (cresol, o-)	95-48-7	49 ug/L
2-Pentanone	107-87-9	47 ug/L
Butyraldehyde	123-72-8	42 ug/L
TETRADECANE	629-59-4	42 ug/L
Total cresols	1319-77-3	42 ug/L
n-Nitrosomorpholine	59-89-2	36 ug/L
1,4-Dioxane	123-91-1	34 ug/L
TECHNETIUM-99	14133-76-7	27 pCi/L
Barium	7440-39-3	26.9 ug/L
2-Methylpyrazine	109-08-0	26 ug/L

Benzaldehyde	100-52-7	26 ug/L
2-METHYLPHENOL	95-48-7	22 ug/L
ACETOPHENONE	98-86-2	22 ug/L
2-Ethyl Pyrazine	13925-00-3	21 ug/L
2-Pentanol	6032-29-7	20 ug/L
PROPIONITRILE	107-12-0	16 ug/L
2-(2-ethoxyethoxy)ethanol	111-90-0	15 ug/L
2-HEXANONE	591-78-6	13 ug/L
PH MEASUREMENT	PH	11.04 pH
Pyrazine	290-37-9	11 ug/L
Silver	7440-22-4	9.6 ug/L
1,2,3-Benzothiadiazole	273-77-8	9.4 ug/L
Chloriodomethane	593-71-5	9.1 ug/L
Vanadium	7440-62-2	8.6 ug/L
nonadecane	629-92-5	8.3 ug/L
Sulfate	14808-79-8	8.01 mg/L
Iodine-129	15046-84-1	7.3 pCi/L
2-Cyclohexen-1-One	930-68-7	6.5 ug/L
Nickel	7440-02-0	6 ug/L
Eicosane	112-95-8	5.4 ug/L
Strontium	7440-24-6	4.69 ug/L
Chloroform	67-66-3	3.1 ug/L
Total Trihalomethanes	THM	3.1 ug/L
Chromium	7440-47-3	2.06 ug/L
DI-N-OCTYL PHTHALATE	117-84-0	2 ug/L
METHYLENE CHLORIDE	75-09-2	2 ug/L
COBALT	7440-48-4	1.3 ug/L
MERCURY	7439-97-6	1.22 ug/L
SELENIUM	7782-49-2	1.16 ug/L
Americium-241	14596-10-2	1.1 pCi/L
Plutonium-238	13981-16-3	0.96 pCi/L
Chloride	16887-00-6	0.883 mg/L
PLUTONIUM-239/240	PU-239/240	0.86 pCi/L
NEPTUNIUM-237	13994-20-2	0.71 pCi/L
Arsenic	7440-38-2	0.486 ug/L
Manganese	7439-96-5	0.478 ug/L
Uranium	7440-61-1	0.447 ug/L
ALUMINUM	7429-90-5	0.3 ug/L
CURIUM-244	13981-15-2	0.21 pCi/L
FLUORIDE	16984-48-8	0.18 mg/L
PHOSPHATE (AS P)	14265-44-2	0.18 mg/L
NITRATE (AS N)	NO3-N	0.07 mg/L
AROCLOR 1016	12674-11-2	0.04 ug/L
AROCLOR 1260	11096-82-5	0.04 ug/L

**ATTACHMENT G-4
242-A PROCESS CONDENSATE
SAMPLES SINCE 07/99 THROUGH 2007**

(3 PAGES)

All 242-A Process Condensate Samples since 7/99 through 2007.
 Detection limit (U) values deleted. Sorted by constituent.
 Chemicals only.

constituent_name	casn	max resul units
1,2,3-Benzothiadiazole	273-77-8	9.4 ug/L
1,4-Dioxane	123-91-1	34 ug/L
1-Butanol	71-36-3	72000 ug/L
2-(2-ethoxyethoxy)ethanol	111-90-0	15 ug/L
2-BUTANONE	78-93-3	86 ug/L
2-BUTOXYETHANOL	111-76-2	2300 ug/L
2-Cyclohexen-1-One	930-68-7	6.5 ug/L
2-Ethyl Pyrazine	13925-00-3	21 ug/L
2-HEXANONE	591-78-6	13 ug/L
2-METHYLPHENOL	95-48-7	22 ug/L
2-Methylphenol (cresol, o-)	95-48-7	49 ug/L
2-Methylpyrazine	109-08-0	26 ug/L
2-Pentanol	6032-29-7	20 ug/L
2-Pentanone	107-87-9	47 ug/L
Acetone	67-64-1	5900 ug/L
ACETOPHENONE	98-86-2	22 ug/L
ALUMINUM	7429-90-5	0.3 ug/L
AMMONIA (AS N)	7664-41-7	769000 ug/L
AROCLOR 1016	12674-11-2	0.04 ug/L
AROCLOR 1260	11096-82-5	0.04 ug/L
Arsenic	7440-38-2	0.486 ug/L
Barium	7440-39-3	26.9 ug/L
Benzaldehyde	100-52-7	26 ug/L
Benzyl alcohol	100-51-6	80 ug/L
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	230 ug/L
Butyraldehyde	123-72-8	42 ug/L
Calcium	7440-70-2	17900 ug/L
Chloride	16887-00-6	0.883 mg/L
Chloroform	67-66-3	3.1 ug/L
Chloriodomethane	593-71-5	9.1 ug/L
Chromium	7440-47-3	2.06 ug/L
COBALT	7440-48-4	1.3 ug/L
COPPER	7440-50-8	818 ug/L
DI-N-OCTYL PHTHALATE	117-84-0	2 ug/L
Eicosane	112-95-8	5.4 ug/L
FLUORIDE	16984-48-8	0.18 mg/L
Iron	7439-89-6	53.9 ug/L
LEAD	7439-92-1	94.59 ug/L
Magnesium	7439-95-4	3940 ug/L
Manganese	7439-96-5	0.478 ug/L
MERCURY	7439-97-6	1.22 ug/L
METHYLENE CHLORIDE	75-09-2	2 ug/L
Nickel	7440-02-0	6 ug/L
NITRATE (AS N)	NO3-N	0.07 mg/L
Nitrogen in ammonium	NH4-N	451 mg/L
NITROGEN TOTAL (TKN)	N-KJELDAHL	196 mg/L
N-NITROSODIMETHYLAMINE	62-75-9	2760 ug/L

n-Nitrosomorpholine	59-89-2	36 ug/L
nonadecane	629-92-5	8.3 ug/L
PH MEASUREMENT	PH	11.04 pH
PHOSPHATE (AS P)	14265-44-2	0.18 mg/L
Potassium	7440-09-7	689 ug/L
PROPIONITRILE	107-12-0	16 ug/L
Pyrazine	290-37-9	11 ug/L
SELENIUM	7782-49-2	1.16 ug/L
Silicon	7440-21-3	2380 ug/L
Silver	7440-22-4	9.6 ug/L
Sodium	7440-23-5	1860 ug/L
Strontium	7440-24-6	4.69 ug/L
Sulfate	14808-79-8	8.01 mg/L
TETRADECANE	629-59-4	42 ug/L
TETRAHYDROFURAN	109-99-9	420 ug/L
THALLIUM	7440-28-0	66.1 ug/L
Total cresols	1319-77-3	42 ug/L
TOTAL DISSOLVED SOLIDS	TDS	10000 ug/L
Total organic carbon	TOC	97.2 mg/L
TOTAL SUSPENDED SOLIDS	TSS	1200 ug/L
Total Trihalomethanes	THM	3.1 ug/L
Tributyl phosphate	126-73-8	780 ug/L
Uranium	7440-61-1	0.447 ug/L
Vanadium	7440-62-2	8.6 ug/L
ZINC	7440-66-6	79.9 ug/L

ATTACHMENT H
Personnel Qualification
(14 PAGE)

TIMOTHY J. OLIVER, P.E.**IQRPE**RCRA permitting
RCRA enforcement
Hazardous waste treatment systems**SUMMARY OF QUALIFICATIONS**

Mr. Oliver is a licensed professional environmental engineer with over 16 years of experience. His specific area of technical expertise is focused on hazardous waste treatment, storage, and disposal systems; including the design, development, permitting, construction, and operation of thermal treatment systems. Mr. Oliver has served as the IQRPE certifying the design, construction, modification, and closure of numerous hazardous waste management units subject to RCRA permitting requirements.

EDUCATION

B.S., Chemical Engineering, Northwestern University, 1991

REGISTRATIONS/CERTIFICATIONS

Licensed Professional Engineer, Washington (No. 41543)
 Licensed Professional Engineer, Oregon (No. 59720)
 Licensed Professional Engineer, Utah, (No. 5676180-2202)
 Licensed Professional Engineer, Colorado (No. 38253)
 Licensed Professional Engineer, Texas (No. 83510)
 Licensed Professional Engineer, Louisiana (No. 28068)
 Licensed Professional Engineer, Arkansas (No. 9998)

QUALIFICATIONS/TRAINING

40-hour OSHA hazardous waste operations (HAZWOPER) with annual 8-hour refresher training
 8-hour OSHA HAZWOPER supervisor course

RELEVANT EXPERIENCE

Project Manager/Certifying Engineer, Hanford 242-A Evaporator System Integrity Assessment. Mr. Oliver is directing a team of mechanical engineers in completing an independent integrity assessment for this high-level waste treatment process in accordance with Washington Administrative Code and RCRA Permit requirements. The integrity assessment includes the development and implementation of visual, hydrostatic, and ultrasonic testing procedures in order to assess the integrity of secondary containment systems and the adequacy of the basis of design, structural support features, waste compatibility, corrosion protection, and ongoing inspection activities with regards to the current operation of the system.

Project Manager/Certifying Engineer, Hanford Tank Farm Closure Demonstration Bulk Vitrification System IQRPE. Certifying Engineer for design review and installation inspection and certification for RCRA-permitted, multiple tank system handling low activity mixed radioactive wastes. Verified proper design of foundations and structural design, reviewed geological investigation information and site preparation plans. Certified design of waste staging tanks, pump skid, hose-in-hose transfer line assemblies, and pollution abatement system. Reviewed proper materials of construction, design specifications, and secondary containment. Managed project staffing and assignment of specialty reviews to other disciplines.

Project Manager, Johnston Atoll Chemical Agent Disposal System IQRPE Closure Certification. Mr. Oliver directed the team responsible for IQRPE certification of the closure activities outlined in the JACADS RCRA Closure and Corrective Action Plan. As part of these activities, Mr. Oliver is directing a team of licensed professional engineers and engineering technicians in the completion of various quality control activities necessary to document completion of closure engineering change proposals, work orders, document change notices, and demolition drawings.

Project Manager/Certifying Engineer, Pine Bluff Chemical Agent Disposal IQRPE Facility Construction Certification. Mr. Oliver conducted periodic inspections and evaluations of this chemical weapons treatment system to ensure that it is properly constructed and tested in accordance with the design drawings and specifications and the permit issued by the Arkansas Department of Environmental Quality. This includes thorough walkdowns of all agent collection system equipment (piping, tanks, secondary containment); pollution abatement system equipment (scrubbers, quenchers,



Cooper Zletz Engineers, Inc.

TIMOTHY J. OLIVER, P.E.

IQRPE

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demisters, valves, instrumentation); brine reduction system equipment (dryers, demisters, tanks), piping, and electrical wiring to identify design discrepancies, flaws in workmanship, and incomplete QA/QC documentation.

Project Manager/Certifying Engineer, Johnston Atoll Chemical Agent Disposal System IQRPE Tank System Modifications. Mr. Oliver was the certifying engineer responsible for the installation of a concrete collection and removal tank system and modifications to the secondary containment system for the spent decontamination solution tank in accordance with the requirements of 40 CFR Part 265.192. This project included a review of various vendor documentation, installation work orders, document change notices, demolition drawings, and engineering calculations; conducting visual inspection of the completed activities, and preparing certification reports.

Certifying Engineer, Umatilla Chemical Agent Disposal Facility Construction Certification and Modifications. Mr. Oliver conducted periodic inspections and evaluations of this chemical weapons treatment and incineration system to ensure that it is properly constructed and tested in accordance with the design drawings and specifications and the permit issued by the Oregon Department of Environmental Quality. This included thorough walkdowns of all pollution abatement system equipment (scrubbers, quenchers, demisters, valves, instrumentation), piping, and electrical wiring to identify design discrepancies, flaws in workmanship, and incomplete QA/QC documentation. In 2002, Mr. Oliver submitted 6 different construction certification packages for the pollution abatement systems at the facility. All were approved and accepted by ODEQ. Mr. Oliver is currently continuing to provide certification of facility construction modifications by preparing certification letter reports for activities throughout the facility as outlined in individual engineering change proposals, including repairs to carbon steel tank systems and stainless steel piping systems.

RCRA Thermal Treatment Unit Permitting Support. From 1992 until 2001, Mr. Oliver was the lead engineer supporting U.S. EPA Region 10 in reviewing documents related to the Part B permitting process for several facilities, including (1) a hazardous waste boiler at the BF Goodrich/Novia/Kalama facility in Kalama, Washington; (2) a plasma arc furnace at the PEcoS/ATG, Inc. facility for the destruction of low level radioactive mixed waste near the Department of Energy's Hanford Reservation; (3) the Advanced Mixed Waste Treatment Facility (a continuous solid feed incinerator) at the Idaho National Engineering and Environmental Laboratory (INEEL); and (4) the Waste Experimental Reduction Facility (a batch-feed incinerator) at INEEL. Mr. Oliver led a project team of several engineers and risk assessment and air modeling experts in the review of the Part B permit application materials, trial burn plans, risk assessment work plans, and risk assessment and trial burn reports, as well as trial burn test oversight activities. Mr. Oliver was responsible for reviewing all of the documents to ensure compliance with U.S. EPA regulations and guidance documents as well as good engineering practice. Specifically, Mr. Oliver was responsible for ensuring that all of the components of the permitting process, stack sampling, operating parameters and equipment specifications, continuous monitoring equipment, and waste feed handling were conducted by each facility property to provide U.S. EPA with the information necessary to develop a workable permit.

EMPLOYMENT HISTORY

2002 to Present Senior Project Manager, Cooper Zietz Engineers, Inc.
1988 to 2003 Senior Project Manager, Tetra Tech EM Inc.



Cooper Zietz Engineers, Inc.

VAIRAVASAMY ARUMUGAM, Ph.D., P.E.
Senior Environmental Engineer

Process Design Review

SUMMARY OF QUALIFICATIONS

Dr. Vairavasamy Arumugam has over 26 years of experience in environmental engineering, including extensive experience conducting engineering reviews for remediation projects at Department of Energy, Department of Defense, and other sites throughout the Northwest, California, and Alaska. His work has involved design, construction, facility inspection, treatability study planning, and performing pilot-plant studies.

EDUCATION

Washington State University, Environmental Engineering, Ph.D., 1989
Southern Illinois University, Environmental Engineering, M.S., 1985
Indian Institute of Technology (India), Environmental Engineering, M.Tech., 1972
University of Madras (India), Civil Engineering, B.S., 1966

REGISTRATIONS/CERTIFICATIONS

Certificate in Alaska Cold Regions Engineering, University of Washington, Seattle, 1996
Professional Engineer (Civil Engineering), Washington (27077)

RELEVANT EXPERIENCE

Project Engineer, Department of Energy Radioactive and Mixed Waste Cleanup Projects. Dr. Arumugam has more than 5 years of experience in low-level radioactive and mixed waste regulations, treatment, and disposal. His experience includes providing technical expertise for waste management and environmental restoration projects at several U.S. Department of Energy (DOE) sites including Hanford, the Idaho National Engineering Laboratory. Representative technical assignments include reviewing regulatory approaches, design, and construction documents for treatment and disposal of low-level radioactive and mixed wastes; reviewing and scoping approaches for developing treatability studies for treating mixed wastes; reviewing waste acceptance criteria for radioactive and mixed wastes; reviewing waste reduction and minimization plans; and reviewing and providing technical expertise for innovative technologies such as in site vitrification of contaminated soils, ex situ vitrification process (Plasma Hearth Process), biological destruction of toxic waste, and polyethylene encapsulation of radionuclides and heavy metals for radioactive and mixed wastes. In addition, Dr. Arumugam reviewed numerous RI/FS documents for 100, 200, 300, and 1100 Area sites, including the draft engineering report for the prototype surface barrier design at 200-BP-1 operable unit. Dr. Arumugam also provided support to EPA in resolving several design issues at meetings with DOE and Washington Department of Ecology.

Project Engineer, 300-Area Treated Effluent Disposal Facility Value Engineering Study. Dr. Arumugam participated in a value engineering study for the 300-Area Treated Effluent Disposal Facility at the Hanford Site to evaluate the schedule for early completion of the wastewater treatment facility. He also reviewed the value engineering study report prepared by the U.S. Army Corps of Engineers and provided suggestions to accelerate the schedule.

Project Engineer, Interim Ordnance Cleanup Program Preliminary Remedial Design, Idaho National Engineering Laboratory. Dr. Arumugam reviewed the engineering design for technical adequacy and completeness. He identified several deficiencies for clarification and correction and suggested recommendations to modify the document for conformance with regulatory guidelines.

Project Engineer, Hanford Site Treatability Study Reviews. Dr. Arumugam has reviewed numerous treatability study work plans and reports for the Hanford Site. These include: 100 Area Groundwater Bionitrification Bench-Scale Treatability; 100 Area Soil Washing Treatability Test Plan; 100 Area Excavation Treatability Test Plan; 100 Area Groundwater Treatment Tests for Ex-Situ Removal of Chromate, Nitrate, and Uranium (VI); 100 Area Soil Washing Bench-Scale Test Procedure; 100-HR-3 Groundwater Treatability Test Plan using bionitrification, chemical reduction/precipitation, and ion exchange; 300-FF-1 Operable Unit Remedial Investigation Phase II Report; Physical Separation of Soils Treatability Study; Testing and Monitoring Plan for the Permanent Isolation Surface Barrier Prototype;



VAIRAVASAMY ARUMUGAM, Ph.D.

Senior Environmental Engineer

Pilot-Scale Treatability Test Plan for 200-BP-5 Operable Unit (pump and treat using ion exchange for removal of radionuclides); and the 100 Area Soil Washing Bench Scale Test Data

Project Engineer, Engineering Evaluation and Cost Analysis, Various Sites. Dr. Arunugam's experience includes performing technical and economical analyses for six superfund sites within the State of Oregon. This included the evaluation of soil contaminant distribution, estimating contaminated soil volume, performing the cost analysis for excavation/treatment and disposal alternatives, and preparing a summary report from the findings of the evaluation. Dr. Arunugam also prepared cost estimate for the remediation and restoration of two remedial action subsites (RASS) at Naval Weapons Station Concord, California. Dr. Arunugam completed these tasks using the Navy's work breakdown structure, EXCEL spread sheets, and RS MEANS to prepare the cost estimates. Dr. Arunugam also prepared cost estimate for the remediation and restoration of the Quarry Loch Site based on various alternatives to reduce or eliminate the risk of free-phase product migrating into Pearl Harbor waters.

Project Engineer, Remedial Investigation and Feasibility Studies. Between 1990 and 2006, Dr. Arunugam supported U.S. EPA Regions 9 and 10 with technical review of remedial investigation and feasibility study (RI/FS) documents submitted for the 1990 Bay Road site in East Palo Alto, California; the Jasco Chemical Corporation in Mountain View, California; the Mountain Home Air Force Base; the U.S. Department of Energy Hanford Site; the Bonneville Power Administration Ross Complex; the Fairchild Air Force Base; and the Naval Submarine Base Bangor, Washington. Dr. Arunugam's work on these projects has included reviewing project work plans, field sampling plans, project management plans, and RI/FS reports. During these reviews, Dr. Arunugam identified technical deficiencies and made recommendations for modifying the documents. Dr. Arunugam also prepared the feasibility study report, remedial action plan, and record of decision for the FISCO Alameda Annex site; the initial screening of technologies report and feasibility study reports for Treasure Island; and prepared a technical memorandum recommending limited treatability studies on bioremediation and chemical oxidation technologies for petroleum contaminated soils and groundwater respectively. He also supported the development of the Parcel C and D Information Package, Phase II Groundwater Data Gaps Investigation, Hunters Point Shipyard. Dr. Arunugam also prepared a focused remedial option evaluation report including detailed cost estimate for remediation of soil and groundwater for U.S Coast Guard Group Port Angeles, Port Angeles, Washington.

Project Engineer, Corrective Action Planning Document Review, Umatilla Chemical Depot. For this project, Dr. Arunugam reviewed the 60 percent and 90 percent remedial design submittal contaminated soil remediation deactivation furnace site prepared by Seattle District, U.S. Army Corps of Engineers, Seattle, Washington. His review included the remedial action work plan, specifications, design analysis, and current working estimate. Several design deficiencies were brought out from the document by Dr. Arunugam and were resolved in meetings to make the project success.

EMPLOYMENT HISTORY

2006 to present	Senior Environmental Engineer, Cooper Zietz Engineers, Inc.
1990 to 2006	Environmental Engineer, Tetra Tech EM Inc.
1989 to 1990	Environmental Engineer, Environmental and Ecological Engineers, Inc..
1989	Environmental Engineer, Brown and Caldwell
1981 to 1983	Environmental Engineer, Saudi Trumpane/Arabian Erectors, Ltd. (Saudi Arabia)
1966 to 1980	Environmental Engineer, Kirloskar Consultants, Ltd. (India)



L. Scott Henderson, P.E.**IQRPE****RCRA permitting
RCRA enforcement
Hazardous waste treatment systems****SUMMARY OF QUALIFICATIONS**

Mr. Henderson is a mechanical engineer with over 14 years of environmental experience. His specific area of technical expertise is focused on thermal treatment operations in the treatment of hazardous, medical, and chemical wastes, including regulations; the design, development, and construction of thermal treatment systems, the planning and completion of trial burn tests, and the planning of multipathway risk assessments. Mr. Henderson has supported IQRPE activities at Hanford and for the Pine Bluff Chemical Agent Disposal Facility. Mr. Henderson has also been involved with several engineering studies, permit modifications, and development and review of human health and ecological risk assessment protocols for Army chemical weapons destruction facilities and other incineration facilities. Mr. Henderson has operational experience in incineration facilities, and has been directly responsible for personnel, equipment operation, and maintenance of incineration systems.

EDUCATION

B.S., Mechanical Engineering, Washington State University, 1992
Certified Incinerator Operator (BAAQMD/EPA/ASME)
Qualified Incinerator Operator Instructor (BAAQMD/EPA/ASME)

REGISTRATIONS/CERTIFICATIONS

Licensed Professional Engineer, Washington (No. 39482)

QUALIFICATIONS/TRAINING

40-hour OSHA hazardous waste operations (HAZWOPER) with annual 8-hour refresher training
8-hour OSHA HAZWOPER supervisor course

RELEVANT EXPERIENCE

Secondary Containment System Integrity Assessment, TP-01 Size Reduction and Screening System Pacific Ecosolutions, Inc. Mr. Henderson completed an independent integrity assessment of the secondary containment system of TP-01 in Washington Administrative Code and RCRA Permit requirements. Independent inspection services included: (1) review of the RCRA Permit and associated documentation regarding the TP-01 system; (2) on-site inspection of the TP-01 system and interviews with facility personnel; (3) NDE testing; (4) review of system operations data; (5) preparation of a future tank integrity assessments schedule; and (6) preparation of an independent certification report.

Hanford 242-A Evaporator System Integrity Assessment, Staff Mechanical Engineer. Mr. Henderson is part of a team of chemical and mechanical engineers completing an independent integrity assessment for this high-level waste treatment process in accordance with Washington Administrative Code and RCRA Permit requirements. The integrity assessment includes the development and implementation of visual, hydrostatic, and ultrasonic testing procedures in order to assess the integrity of secondary containment systems and the adequacy of the basis of design, structural support features, waste compatibility, corrosion protection, and ongoing inspection activities with regards to the current operation of the system. Mr. Henderson is responsible for assessing the evaporator, condensers, heat exchangers, pumps, piping, tanks and ancillary equipment associated with the facility in order to develop test protocols and testing locations.

Pine Bluff Chemical Agent Disposal Facility, Staff Mechanical Engineer. Staff engineer for process systems as part of construction oversight activities and professional engineering certification of construction of a \$400 million incineration facility for the disposal of chemical weapon stockpiles stored at the Pine Bluff Arsenal. Mr. Henderson conducted construction inspections during construction. This included document reviews and walkdowns of pollution abatement system equipment (scrubbers, quenchers, demisters, valves, instrumentation); brine reduction system equipment (dryers, demisters, tanks), piping, and electrical wiring to identify design discrepancies, flaws in workmanship, and incomplete QA/QC documentation.

Toole Chemical Agent Disposal Facility, Staff Mechanical Engineer. Mr. Henderson developed calculation protocols to estimate emissions from TOCDF and Chemical Agent Munition Destruction System (CAMDS) nerve and blister agent thermal destruction facilities. These calculations were used to complete both human health and ecological risk assessments.

**Cooper Zietz Engineers, Inc.**

L. Scott Henderson, P.E.
IQRPE

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Data were combined from a variety of sources including available test data for the TOCDF and CAMDS facilities, as well as integrating data from JACADS for agents and operations for which source test data is not currently available.

Chemical Agent Munitions Disposal System. Mr. Henderson assessed the impact of the proposed Class 3 permit modification requested by the CAMDS facility to alter operational limits. The facility is the research facility used to develop destruction technology and protocols for nerve and blister agents. This technology has been used in the design, construction, and operation of the TOCDF, JACADS, and other similar facilities. Mr. Henderson performed a detailed engineering study an analysis of MPFs operating at the CAMDS, TOCDF, and JACADS. He studied existing operations and emission data to determine the relationship between the desired operational parameters and emissions. Coupled with a study of applicable guidance and regulations, existing and former permits held by the facility, and actual operating data, Mr. Henderson prepared recommendations regarding the permit modification request.

Umatilla Chemical Agent Disposal Facility. Mr. Henderson was also the technical lead and project manager of a technical support project that evaluates the impacts of multiple permit modifications at the Umatilla Chemical Agent Disposal Facility (UMCDF). Such modifications include changes to incinerator equipment, CEMS, waste storage and characterization, facility risk assessments, and surrogate and agent trial burn plans and tests. He prepared technical reports that include the regulatory and scientific background of the permit modification requests as well as concerns about and anticipated impacts of the permit modification requests. Mr. Henderson met regularly with county commissioners and makes presentations at public meetings regarding these technical reports.

Mr. Henderson has also participated in trial burn oversight at the UMCDF. Mr. Henderson provided trial burn oversight support to the Oregon Department of Ecology and USEPA for the LIC1 and MPF trial burns, observing the low temperature test condition. Oversight activities included CEMS and VOST audits, oversight of VOST, dioxin/furan, semivolatiles, and particulate/HCl trains. Due to scheduling conflicts, Mr. Henderson was unable to fully participate in the LIC2 test; however, he was able to assist personnel observing the LIC2 trial burn test in reviewing test plans, assisting them in ordering the proper protocol gases and assisting them in how they should conduct the CEMS audits at the facility.

Plant and Process Engineering. Mr. Henderson has extensive experience in plant engineering and operations management. He was the operations manager for the Integrated Environmental Systems (IES) incineration plant in Oakland, California. That facility is the only remaining commercial, full-scale, medical waste incinerator operation in California. In addition to medical waste, the facility was permitted to incinerate controlled substances, pharmaceuticals, and outdated military surplus. Mr. Henderson managed all operational and ancillary equipment at the facility, including T-BACT incinerators and an innovative medical waste alternative treatment technology (microwave disinfection) as well as an automation system he designed to unload and process incoming wastes. He also developed and implemented all inspection and maintenance programs and operator training necessary to operate and maintain this equipment. Mr. Henderson's experience at IES is detailed in the following paragraphs.

Mr. Henderson completed a comprehensive retrofitting the facility, including the installation of new incinerators. Installation of new units was needed to meet the anticipated MACT standard for medical waste incinerators. Mr. Henderson developed a team of consultants, engineers, and equipment manufacturer's to develop specifications for the new system that would comply with these standards, which he then actively managed and participated in. Mr. Henderson's chief contributions included developing performance specifications for the new incinerators, APCS, and ancillary incinerator support equipment, and designing facility modifications to accommodate the new units, such as installing new equipment foundations, sizing and specifying natural gas, water, and electric supplies to the new units. Mr. Henderson prepared proposal requests and selected an incinerator manufacturer, APCS manufacturer, and contractors to perform the infrastructure upgrades, and managed their work to ensure that all necessary specifications were met. Mr. Henderson also selected and managed geotechnical engineers and civil engineers who designed the new equipment foundations. Mr. Henderson also selected and managed architectural engineers who were responsible for modifying the plant building to allow installation of the new incinerators to his specifications.

EMPLOYMENT HISTORY

2006 to Present	Senior Mechanical Engineer, Cooper Zietz Engineers, Inc.
2003 to 2006	Project Engineer, Floyd Snider
1997 to 2003	Project Engineer, Tetra Tech EM Inc.
1992 to 1997	Operations Manager/Plant Engineer, Integrated Environmental Systems, Inc.



Cooper Zietz Engineers, Inc.

TechnoGeneral Services Company

Qualified Quality Inspector

FLOYD L SNYDER

EDUCATION & CERTIFICATIONS

City University, Bellevue, Washington	MBA / <i>Engineering Technology</i>
Oregon State College, LaGrande, Oregon	BS / <i>General Studies</i>
Columbia Basin College, Pasco, Washington	AAS / <i>QA/QC</i>
Columbia Basin College, Pasco, Washington	AAS / <i>NDE</i>

American Welding Society	Senior Certified Welding Inspector
American Concrete Institute	Concrete Technician Grade I
State of Washington	Cross-connection Control Specialist
International Conference of Building Officials	
American Standard of Testing Materials	
National Electrical Code	
National Fire Protection Association	

Level III in Civil, Structural, Concrete, HVAC and Protective Coating
 Level II in Mechanical, Electrical, Pressure Testing, Liquid Penetrant and NDE/ASME III visual inspection
 ASNT-TC-1A

PROFESSIONAL SUMMARY

Over fifteen years of experience in the engineering and quality field. Multi-discipline knowledge and certifications. Worked with the following codes and standards as a designer and inspector. Proficient with Microsoft Office products, with extensive use of Excel and Word. I have provided training both formal and informal. Coordinated training programs as a supervisor and instructor for the Army and Quality Training and Resource Center (QTRC) at the Hanford Site for various subjects, which included lesson plans student materials and training schedules.

PROFESSIONAL EXPERIENCE

TECHNOGENERAL SERVICES COMPANY, RICHLAND WA, 3/2006-PRESENT

QUALITY ASSURANCE ENGINEER

- ✓ Provided QII support for the 242-A Evaporator Assessment project at Hanford.
- ✓ Provided quality inspections in support of Thomas Jefferson Laboratory task order for pressure vessel integrity assessment located in Newport News, VA.

FLUOR HANFORD INC., RICHLAND WA, 02/80 – 1/2003

QUALITY ASSURANCE ENGINEER

- ✓ Qualified Independent Inspector for Integrity assessment of 242-A Evaporator
- ✓ Primary QA performing surveillance, inspection, and monitoring of the QA program on the Emergency Cooling Water Facility and Secure Automated Facility at the Hanford site.
- ✓ Guidance for Acceptance Test Procedures as test director, recorder, and witness for Fire Detection, Fire Protection, Heating Ventilation and Air Conditioning, and other control systems.
- ✓ Problem solving by reviewing construction submittals for compliance to the design requirements. By verifying product compliance at time of delivery and verifying installation to design and manufactures requirements.
- ✓ Supervision by directing and providing performance evaluations of discipline personnel as a level III.
- ✓ Instructions and advice to construction by coordination of problems with designers and providing the necessary change documents.
- ✓ Coordinate project closure by reviewing engineering, construction, and quality documents for completeness, identifying open items and proposing means of closure.



*TechnoGeneral Services Company**Snyder, Floyd*
Qualified Quality Inspector

-
- ✓ Management Assessment audit of the company Qualification and Certification program to NQA-1 and 10 CFR 830.
 - ✓ Authored procedures for Acceptance Inspection QA Program.
 - ✓ In-process surveillance, monitoring, and inspection of suppliers and subcontractors both onsite and offsite.
 - ✓ Supervision of Quality Control Inspectors activities by surveillance and overview as the discipline Level III.
 - ✓ Authored training plans and provided training as the trainer for inspection and emergency first aide.
 - ✓ Final Acceptance Inspection of Projects, review of quality program and monitor compliance to the national and local codes, and other government agencies for the Dept. of Energy.
 - ✓ Write design changes, nonconformance reports, inspection reports, provide testing and constructability reviews of projects.
 - ✓ Review of welding procedures and qualifications in accordance to both American Society Mechanical Engineers and American Welding Society.

ADDITIONAL INFORMATION

- ✓ American Welding Society, Member
- ✓ American Society of Mechanical Engineers, Member
- ✓ Instrumental in implementing computers in the QA department by providing one-on-one help and instruction.
- ✓ RCRA 40 hr hazardous waste, Hazardous waste manager/supervisor, Hazardous material driver's training and Radiation worker training.
- ✓ Have had DOE clearance



*TechnoGeneral Services Company**Electrical Engineer***CLYDE D. ACREE, P.E.****EDUCATION AND CERTIFICATIONS**

B.S. Engineering Science (Nuclear/Electrical)
 B.S. Physics
 A.A.S. Electronics Technology

Washington State Registered Professional Engineer, Electrical, #17839

PROFESSIONAL EXPERIENCE

Mr. Acree is a versatile, licensed engineering and management professional with over 25 years of technical, engineering and administrative experience including in-depth knowledge of technical program development and implementation, engineering processes, engineering design, engineering analysis, maintenance and operations. Excellent writing and communication skills.

INSTRUMENTATION & DATA ACQUISITION SYSTEM ENGINEERING (12 YEARS)

Planned, conceptually designed, developed, prepared specifications, provided procurement evaluation, designed, programmed, & tested; plant data acquisition systems, process control systems, machinery control systems, closed circuit television systems, security systems, special instrumentation, Supervisory Control and Data Acquisition (SCADA) computer systems, operator's control consoles, connecting instrumentation, power supplies, and building-space.

- ✓ Prepared design drawings for Single Shell Tank Leak Detection System to install new temperature sensing instrumentation.
- ✓ Guided Conceptual Design for the AW Tank Farm Leak Detection and Master Pump Shutdown System (Project W-314) and was instrumental in establishing the basic architectural concept of using Programmable Logic Controllers (PLCs) to eliminate the old relaying systems and to establish the capability for multiple transfer route operations & control.
- ✓ Developed a 4-axis Automated Scanning Machine (prototype, detailed design, software, & testing), using an ultrasonic surface mapper and adapted to Radioactive Hot Cell operations
- ✓ Developed the procurement Specification for the Plutonium Reclamation Facility Instrument & Control Computer System (specification, bid evaluation and Vendor selection)
- ✓ Created a Human Factors study for Operator's Consoles for: Project B-620, Project W-030 and the PFP Security System
- ✓ Developed a Closed Circuit Television (CCTV) Automated Video Recording System for PUREX (design, software, procurement, installation, testing)
- ✓ Developed the AP Tank Farm Valve Position Display System for Project B-320 (design, software, procurement, installation, testing)
- ✓ Created the procurement Specification for the PFP CCTV Video Switching System Upgrade (specification, bid evaluation and Vendor selection)
- ✓ Evaluated bid packages for the procurement of a SCADA process control systems for oil production and for the procurement of a computerized rotating machine monitoring computer system.

SYSTEMS ENGINEERING (6+ YEARS)

Carried out Systems Engineering activities for the Tank Farm Contractor. Additionally, carried out Project Manager activities required to create a requirements management system database for the Tank Farm Contractor. Provided Buyer's Technical Representative (BTR) services for the Requirements Management Unit for five years. Prepared budgets, schedules, and Statements of Work to procure Contractor Services (\$200,000 to \$500,000 dollars worth of contracts each year) for Systems Engineering and Requirements Analysis efforts.

- ✓ Prepared numerous documents (see Sample Products Produced) to support the application of the Systems Engineering Process at CHG.
- ✓ Designed, developed, and implemented the database for the new Integrated Requirements Management System.
- ✓ Reorganized & updated the Engineering "Technical Resources" web site. Created the Integrated Requirements Management System Database Training web site on the CH2M HILL Hanford Company Intranet.
- ✓ Planned & carried out studies in different requirement management areas to show how to utilize the



*TechnoGeneral Services Company**Acree, Clyde
Electrical Engineer*

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- DOORS database for requirements management
 - ✓ The TWRS Mission Analysis Report (1998), The CH2M Hill Hanford Group Project Execution Plan (2000)
 - ✓ RPP Architecture Tree document (2001), RPP Function Tree document (2001), TWRS Interface Control Document Key Diagram (1999)
 - ✓ Integrated Requirements Management System documentation (2001), The Requirements Management Database Tool Strategy (1998), The Integrated Requirements Management System Project Execution Plan (1998)
 - ✓ Double Shell Tank Farms Instrumentation Assessment against requirements for Project W-314(1996)

MANAGEMENT (6 YEARS)

Carried out all aspects of management for both Unit Manager and Director levels of management.

- ✓ As a Superintendent, I consolidated the start-up staff for a new computer system that controlled a new set of cross-country pipelines (48" & 60") in Saudi Arabia.
- ✓ This entailed the planning & scheduling of a \$ 7 million/yr budget for a staff of 30.
- ✓ Also, the technical (software & hardware) direction, procedure development and maintenance planning for the organization
- ✓ As a Supervisor, I consolidated the start-up staff from several new computer system installations into a cohesive software and hardware computer maintenance unit for the Dhahran area in Saudi Arabia.
- ✓ This position of supervisor planned & scheduled a \$3 million/yr budget and,
- ✓ As the Manager, I provided the staffing (10), budgeting, administration & technical direction for the Instrument/Systems Development & Testing Laboratory & the associated Engineering unit.
- ✓ The Laboratory, adapted and tested nuclear instrumentation & monitoring systems; safeguards and security systems; large tankage monitoring & leak detection systems; and general plant instrumentation systems for the 200 areas facilities.

OPERATIONS ENGINEERING (5 YEARS)

- ✓ Carried out Start-up Engineer activities for the Fast Flux Test Facility Nuclear Reactor and
- ✓ Underwent extensive training in sodium reactor theory and operations to prepare for initial "cold start" Control Room Operations.
- ✓ Began turnover testing and acceptance activities. Prepared operations & test procedures for the FFTF Sodium Reactor & associated plants.
- ✓ Provided the planning, budgeting, operations, maintenance, and experimental procedures setup for a Van De Graff 2-Mev Proton beam accelerator and a Van De Graff 14-Mev Neutron generator.
- ✓ FFTF Equipment Operating Procedures
- ✓ Experimental test apparatus

RESUME

Education: Marine/Mechanical Diploma Engineer (Degree equivalent to Professional Engineer Degree)
Technische Hochschule, Hanover, West Germany 1966
Post-Graduate work Polytechnic Institute of New York, New York – 1974-76

Registrations: Professional Engineer – New York, Washington, Germany - Current

**PROFESSIONAL
EXPERIENCE****TechnoGeneral Services Company**
Pasco, WA (2003-

Senior Consulting Engineer supporting ATI in improving their process for welding multiple canister over pack containers for the Fluor Hanford Spent Nuclear Fuel Project.

CH2M HILL Hanford Group, Inc.**Richland, WA (1986-2003)**

During this time period, Mr. Rifaey provided support to a succession of Hanford contractors that had responsibility for the Hanford tank farms. Duties varied according to contractor needs covering a variety of activities. Contractors supported during this time period include Westinghouse Hanford Company, Lockheed Martin Hanford, Inc., and CH2M HILL Hanford Group, Inc. Specific duties performed includes:

- Technology Engineering - Technical advisor to the CH2M HILL Supplemental Treatment Pretreatment Program for Low Activity Waste technology identification, selection, and evaluation.
- Project Manager/Engineer – Developed conceptual designs and reviewed all stages of design for tank farm waste retrieval projects including: quarter-scale cold test facility, cross-site transfer system, solids and sludge pumping sluicing systems, robotic retrieval systems, underground piping and tank structural performance, and alternate grout and Vitrification waste treatment technologies. Managed project activities for remote (wireless) radiation instrumentation systems on retrieval piping. Mentored design engineers on functional requirements development and design preparation. Supported project management of supplemental treatment projects by development and review of cost and schedule estimates, and project execution documentation.
- Plant Engineering Manager – Performed engineering review for a variety of new mechanical and nuclear systems designs on Hanford radioactive tank farm facilities. Presented technical baseline interpretations for Unreviewed safety question analyses and readiness reviews. Provided deputy support to Plant Engineering manager overseeing 65-facility support engineering group.
- Design Authority/Equipment Engineering Manager – Managed highly experienced engineers who oversaw control of the tank farm technical baseline and who ensured new systems were appropriately designed and tested. Managed personnel performing the following: development and oversight of safety management systems (e.g., Technical Safety Requirements and Safety Equipment Lists); coordination of technical re-base lining of existing tank farm designs; provided calibration, preventive and corrective

TechnoGeneral Services Company

Shafik Rifay
Mechanical Engineer, PE

maintenance technical direction; and coordinated support for other technical baseline systems. (e.g., Master Equipment List and Fire Hazards Analyses).

- **West Tank Farms Plant Engineering Manager –** Managed cognizant and support engineers assigned plant-engineering responsibilities at the West Tank Farm Project. Engineers were responsible for oversight of technical hardware systems, configuration management of design media, preparation of technical direction for repair activities, spare parts technical cognizance, startup testing, operations and maintenance field support, and review of new and modified systems for safety issues and upgrades.
- **Grout Treatment Facility Process Engineering Manager –** Managed 15 + cognizant and support engineers assigned plant engineering responsibilities at the Group Treatment Facility. Engineers were responsible for oversight of technical hardware systems, configuration management of design media, preparation of technical direction for repair activities, spare parts technical cognizance, startup testing, operations and maintenance field support, and review of new and modified systems for safety issues and upgrades. Oversight included production of technical manuals, safety analysis reports, training media, and facility operations plans.
- **Principal Engineer –** Performed thermal analysis for modifying the Fast Flux Test Facility reactor core and prepared the necessary Final Safety Analysis Report modifications for the revised core. Served as a technical consultant to the Quality Assurance Director. Performed equipment qualifications study for several N-Reactor equipment upgrades, conducted engineering studies on high-level radioactive waste package and container design, and provided technical direction to the A/E firm responsible for development of waste package conceptual designs. Provided design review and technical direction for facility issues and designs associated with the Basalt Waste Isolation Project and the SP-100 Space Reactor Project.

Long Island Lighting Company

New York, NY 1983-1986

Consulting Engineer, Shoreham Nuclear Power Station – Reviewed, evaluated, and recommended necessary changes to the plant technical basis for input to technical specifications to be submitted to the NRC. Reviewed and evaluated plant surveillance, test, and operating procedures/results to ensure compliance with technical specification requirements. Established performance criteria for pump and valve operability testing. Evaluated operability test results to demonstrate compliance with ASME Section XI Subsections IWP and IWV. Reviewed and resolved operating incidents and provided design input to Plant Modification and Radiochemistry Sections. Reviewed ASME requirements for the new emergency diesel generator system, performed the required design review related to the safety impact of the plant modifications and performed design review of the post-accident sampling system, off-gas system and Argon 41 release into the drywell.

Burns and Roe, Inc.

New York, NY 1973-1983

Principal/Senior Supervising Engineer, Washington Public Power Supply System Unit #2 – As a principal engineer and group supervisor, Woodbury, NY, performed a broad range of activities associated with the mechanical/nuclear engineering and design of nuclear power plants, including technical and economic studies for the selection of turbine generators and auxiliaries, rad-waste handling, balance of plant systems, engineering criteria and conceptual designs, review and approval of flow diagrams and layout drawings, and preparation of proposals. In

*TechnoGeneral Services Company***Shafik Rifaey
Mechanical Engineer, PE**

addition, performed special technical studies such as heat balance, heat transfer problems, and plant performance. As a principal engineer and mechanical/nuclear group supervisor, Richland Washington, provided on-site technical expertise, system trouble shooting and resolving mechanical/nuclear engineering problems with the site contractors, construction management and startup and operations organization.

Gibbs and Hill, Inc.**New York, NY 1972-1973**

Mechanical Engineer – Performed design of instrumentation and control systems including preparation of system logic diagrams, schematic diagrams and input/output signal lists. Also performed power plant performance computations, sizing and specification of control valves, flow diagram preparation and pipe sizing for both peaking and base-loaded power plants.

Paul L. Geirenger and Associates**New York, NY 1970-1972**

Mechanical Engineer – Performed design, preparation of schematic diagrams and piping and equipment layout for an oil-fired, 110 MW, Mayor B. V. Clearly Station Unit 9 combined cycle power plant. Responsible for optimizing system economics and design and layout of heating and cooling plants for the Stonybrook University power plant.

COGELEC Industries, Inc.**Montreal, Quebec, Canada 1969-1970**

Design Engineer – Prepared standards, performed design verification, purchased material for application in high voltage switchgear and substations.

Canadian Marconi**Montreal, Quebec, Canada 1969-1969**

Mechanical Engineer – Performed environmental testing of Class III Military equipment, humidity and saltwater spray erosion studies and research.

Kieler Howartswerke Shipyard**Kiel, West Germany 1966-1968**

Mechanical and Marine Engineer – Responsible for mechanical systems design, equipment specification, heat balance calculations and system economics for steam propulsion engines (boilers, turbines, heat exchangers, pumps, auxiliary engines, etc.) up to 33,000 hp. Designed remote control systems for main turbines and auxiliary equipment and application of mechanical, hydraulic, pneumatic and electronic servomechanisms to those systems. Responsible for procurement of instruments for local and remote measurements for application to main and auxiliary engines up to 200,000-ton tankers. For each of these activities, supervised field installation, prepared the operating manuals, performed construction management and system lineup and acceptance testing.