10 CFR 50.90

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Palo Verde Nuclear Generating Station

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102-06041-DCM/SAB/DFS
July 31, 2009

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528, 50-529 and 50-530
Response to Request for Additional Information on Request for Amendment to Technical Specification 5.5.16, Containment Leakage Rate Testing Program

On June 26, 2009, the Nuclear Regulatory Commission (NRC) requested additional information pertaining to the Arizona Public Service Company (APS) submittal letter number 102-05902, dated October 1, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML082820029). In that submittal APS requested a one-time, five-year extension to each of the current 10-year intervals for the performance of the Containment Integrated Leakage Rate Test at the Palo Verde Nuclear Generating Station (PVNGS), Units 1, 2 and 3.

Enclosed are the APS responses to the NRC's requested information. In addition, on January 23, 2009, the NRC issued Amendment No. 171 (ADAMS Accession No. ML090060779) to the PVNGS Units 1, 2, and 3 Operating Licenses which included an approved change to add TS 5.5.17, Control Room Envelope Habitability Program. Although the implementation of Amendment No. 171 does not modify any technical information in the October 1, 2008, amendment request, it did modify the format of TS page 5.5-16 which was provided in that submittal. Therefore, to reflect the issuance of Amendment No. 171, Attachment 8 and 9 to the Enclosure provides an updated markup of TS page 5.5-16, and the updated retyped TS page 5.5-16, respectively. These updated TS pages replace the TS pages previously provided in APS letter no. 102-05902, dated October 1, 2008.

A017
NRR

APS makes no commitments in this letter. Should you need further information regarding this request, please contact Russell A. Stroud, Licensing Section Leader, at (623) 393-5111.

Sincerely,

Scott A. Bauer for DCM

DCM/RAS/DFS/gat

Enclosure: Response to NRC Request for Additional Information on Request for Amendment to Technical Specification 5.5.16, Containment Leakage Rate Testing Program

cc:	E. E. Collins Jr.	NRC Region IV Regional Administrator
	J. R. Hall	NRC NRR Project Manager
	R. I. Treadway	NRC Senior Resident Inspector for PVNGS
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ENCLOSURE

Response to NRC Request for Additional Information on Request for Amendment to Technical Specification 5.5.16, Containment Leakage Rate Testing Program

Enclosure Attachments

Attachment 1 to Question 1.1(a)

Attachment 2 to Question 1.1(a)

Attachment 3 to Question 1.1(a)

Attachment 4 to Question 1.1(a)

Attachment 5 to Question 1.1(a)

Attachment 6 to Question 1.1(a)

Attachment 7 to Question 1.1(c)

Attachment 8 – Updated Markup TS Page 5.5-16

Attachment 9 – Updated Retyped TS Page 5.6-16

Excerpt from the NRC's Request

1.0 Leak Rate Testing

10 CFR Part 50, Appendix J, "Primary Reactor Containment Leakage Testing for Water Cooled Power Reactors," specifies requirements for periodic testing of the leak tightness of the containment and its penetrations. The Type A Containment Integrated Leak Rate Test (ILRT), the Type B and Type C Local Leak Rate Tests (LLRT), and Containment In-Service Inspection (CISI) program collectively ensure leak-tight integrity and structural integrity of the containment.

1.1. In your October 1, 2008, amendment request, Enclosure 1, Section 3.6.1, you provide the results of past ILRTs for each unit. You also state in that section that additional local leak rate testing (LLRT) results have not shown any indication of significant change in containment leak tight capability. The most recent ILRT results provided appear to be from 8-1/2 to 9 years ago.

The licensee is requested to:

NRC Question 1.1 (a)

Please provide a summary table for Type B and Type C tests. The table should include dates and results of past tests, and all future scheduled tests to be performed prior to and during the requested five-year extension period of the ILRT interval. Also provide the Type B and Type C (LLRT) combined leakage rate totals associated with the ILRT historical test results and for subsequent refueling outages where these totals were summed. As found totals as a percentage of L_a would be preferred, but where not readily available, please provide as left totals indicated as such. The information should also show a comparison of the Type B and Type C test results to the allowable leakage rate values specified in the plant Technical Specifications.

APS Response

Attachments 1, 2 and 3 provide charts of future scheduled tests to be performed prior to and during the requested five-year extension period of the ILRT interval.

Past Type B and C test results as well as the combined leakage rate totals for Type B and C tests for the last 5 outages in each unit are provided.

Attachments 4, 5 and 6 provide past Type B and C test results.

The table below provides the Type B and Type C test combined leakage rate totals.

Date	Refueling Outage	B&C As-Found Minimum Path Leakage (sccm)	Technical Specification Limit (0.6 La) % of 0.6 La
10/2002	1R10	4648	3.34
5/2004	1R11	6493	4.66
12/2005	1R12	6941	4.99
5/2007	1R13	7951	5.30
11/2008	1R14	7374	4.92

Date	Refueling Outage	B&C As-Found Minimum Path Leakage (sccm)	Technical Specification Limit (0.6 La) % of 0.6 La
4/2002	2R10	2874	2.06
1/2004	2R11	3872	2.78
5/2005	2R12	5807	3.87
11/2006	2R13	5368	3.58
5/2008	2R14	5782	3.86
5/2003	3R10	3623	2.60
11/2004	3R11	4092	2.94
5/2006	3R12	3998	2.87
1/2008	3R13	5298	3.81
5/2009	3R14	7339	4.89

NRC Question 1.1 (b)

Please describe any changes in test or calculation methodology that might affect comparison of ILRT results with those of earlier ILRTs, other than the changes in test pressure.

APS Response

The calculation methods currently employed are unchanged from the last set of Type A tests performed at Palo Verde. Reasons for this include:

- ANSI/ANS 56.8-2002 calculation methodologies are unchanged from the 1994 version. The most recent tests were performed per the 1994 version.
- BN-TOP-1 Rev. 1 (1972) is not being revised or considered for revision.

NRC Question 1.1 (c)

Please provide the as-found and as-left Type A test results and their comparison with the allowable leakage rate values specified in the plant Technical Specifications.

APS Response

The test results provided in the October 1, 2008, amendment request, Enclosure 1, Section 3.6.1, for the past Type A tests performed on each unit, reflect as-left, as-found and raw data. Attachment 7, of this enclosure, clarifies that data and provides the as-found and as-left Type A test results and their comparison with the allowable leakage rate values specified in the plant Technical Specifications.

NRC Question 1.2

In accordance with Regulatory Position C.3 of Regulatory Guide 1.163, visual examination of accessible interior and exterior surfaces of the containment should be conducted prior to initiating a Type A test, and during two other refueling outages before the next Type A test based on a ten-year ILRT interval. Considering the PVNGS Units 1, 2 and 3 IWL and IWE

inspection intervals, please describe, with a schedule, how you would supplement this ten-year interval-based visual inspection requirement for the requested 15-year ILRT interval.

APS Response

The visual inspection requirements are addressed by inspections performed in accordance with the IWE and IWL Inspection Programs. The inspection schedules for both programs are displayed below by unit:

Unit 1

Tendon Integrity Examinations

- 30th-Year Examination: December 20, 2013 (Examination Window – December 20, 2012 thru December 20, 2014)
- 35th-Year Examination: December 20, 2018 (Examination Window – December 20, 2017 thru December 20, 2019)

General visual inspection of accessible containment surface is performed during the tendon inspections.

Exterior Concrete Containment (IWL) Examinations –

- 10th-Year After Baseline Examination: September 8, 2011 (Examination Window – September 8, 2010 thru September 8, 2012)
- 15th-Year After Baseline Examination: September 8, 2016 (Examination Window – September 8, 2015 thru September 8, 2017)

100% of accessible containment surface is inspected each inspection.

IWE Examinations – Second Inspection Interval: July 18, 2008 to July 17, 2018

- Period One: July 18, 2008 to November 17, 2011
- Period Two: November 18, 2011 to March 17, 2015
- Period Three: March 18, 2015 to July 17, 2018

100% of accessible containment surface is inspected each inspection period.

Unit 2

Tendon Integrity Examinations

- 25th-Year Examination: February 5, 2010 (Examination Window – February 5, 2009 thru February 5, 2011)
- 30th-Year Examination: February 5, 2015 (Examination Window – February 5, 2014 thru February 5, 2016)

General visual inspection of accessible containment surface is performed during the tendon inspections.

Exterior Concrete Containment (IWL) Examinations –

- 10th-Year After Baseline Examination: September 8, 2011 (Examination Window – September 8, 2010 thru September 8, 2012)
- 15th-Year After Baseline Examination: September 8, 2016 (Examination Window – September 8, 2015 thru September 8, 2017)

100% of accessible containment surface is inspected each inspection.

IWE Examinations - Second Inspection Interval: March 18, 2007 to March 17, 2017

- Period One: March 18, 2007 to July 17, 2010
- Period Two: July 18, 2010 to November 17, 2013
- Period Three: November 18, 2013 to March 17, 2017

100% of accessible containment surface is inspected each inspection period

Unit 3

Tendon Integrity Examinations

- 25th-Year Examination: September 17, 2011 (Examination Window - September 17, 2010 thru September 17, 2012)
- 30th-Year Examination: September 17, 2016 (Examination Window - September 17, 2015 thru September 17, 2017)

General visual inspection of accessible containment surface is performed during the tendon inspections.

Exterior Concrete Containment (IWL) Examinations –

- 10th-Year After Baseline Examination: September 8, 2011 (Examination Window - September 8, 2010 thru September 8, 2012)
- 15th-Year After Baseline Examination: September 8, 2016 (Examination Window – September 8, 2015 thru September 8, 2017)

100% of accessible containment surface is inspected each inspection.

IWE Examinations - Second Inspection Interval: January 11, 2008 to January 10, 2018

- Period One: January 11, 2008 to May 10, 2011
- Period Two: May 11, 2011 to September 10, 2014
- Period Three: September 11, 2014 to January 10, 2018

100% of accessible containment surface is inspected each inspection period.

In summary, none of the other inspections are affected by the 15-year ILRT interval request.

NRC Question 1.3

As required by 10 CFR 50.55a(b)(2)(viii)(E), for Class CC applications, the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. If there were any instances of such conditions, please discuss the findings and corresponding corrective actions.

APS Response

Section 3.6.4.7 of Enclosure 1 of the submittal dated October 1, 2008, identified two inaccessible areas in each unit. They are as follows:

- The ¼ inch thick steel liner on top of the basemat is protected by a two-foot nine-inch thick concrete filler slab that supports the containment internals and forms the floor of the containment. There is a reactor pit cavity in the basemat under the reactor vessel. The containment liner in the reactor pit cavity and the recirculation sumps is covered with six inches of concrete.
- The ¼ inch thick steel liner located adjacent to the refueling canal is inaccessible. However, any leakage into the annulus area from the refueling pool or transfer canal will be detected on the 80' elevation.

To date there have been no conditions in any of the three units that have indicated the presence of or result in degradation to the above listed inaccessible areas.

NRC Question 1.4

Section 3.6.4.7 of Enclosure 1 of the amendment request refers to the 1/4 inch thick liner on top of the containment basemat and the liner in the reactor pit cavity and recirculation sumps as inaccessible areas of the containment liner that are currently identified and evaluated. Please discuss the conditions that have been identified that required evaluation of these inaccessible areas.

APS Response

The statement in the October 1, 2008 submittal was not intended to infer that there were issues identified that would require the performance of evaluations of acceptability of any inaccessible areas. In the context of that submittal, the reference to evaluations is to the evaluations performed to determine the existence of inaccessible areas. As a result of those evaluations two areas were identified. They are as follows:

- The ¼ inch thick steel liner on top of the basemat is protected by a two foot nine inch thick concrete filler slab that supports the containment internals and forms the floor of the containment. There is a reactor pit cavity in the basemat under the reactor vessel. The containment liner in the reactor pit cavity and the recirculation sumps is covered with six inches of concrete.
- The ¼ inch thick steel liner located adjacent to the refueling canal is inaccessible. However, any leakage into the annulus area from the refueling pool or transfer canal will be detected on the 80' elevation.

To date there are no conditions in any of the three units that could indicate the presence of or result in degradation to the above listed inaccessible areas.

NRC Question 1.5

Section 3.10.1 of Enclosure 1 of the amendment request states that expansion bellows are not utilized in the design of the mechanical penetrations at PVNGS. Enclosure 1 also states that the bellows used as part of the fuel transfer tube penetration assembly do not form part of the containment building vessel or pressure boundary. Please discuss the inspection, testing (including test interval) and operating experience with regard to detection of leakage through the fuel transfer tube penetration assembly.

APS Response

The inspections of the fuel transfer bellows in each unit were performed as part of an ANI Liability Insurance Inspection Report recommendation on inspection of site hatches, vaults, and manholes for water intrusion. The inspections were performed as follows:

Unit 1 – February 25, 2009

Unit 2 – November 21, 2008

Unit 3 – January 30, 2009

The fuel transfer tube penetration assembly (i.e., bellows tube, flanged welded and bolted connections, instrumentation, and vent valves) was remote visually examined. In addition, the hatch structural concrete, seismic gaps, bolted attachments, and concrete plugs were remote visually examined for conditions of structural degradation, evidence of intrusion / leakage, rust / corrosion, cracks, spalls and pop-outs. There were no unacceptable physical or structural degradations identified in these inspections.

To date there is no PVNGS operating experience that indicates leakage through the fuel transfer tube penetration pipe wall, welds, or bellows.

The scheduled inspection interval is 15 years.

NRC Question 1.6

Section 3.10.2 of Enclosure 1 of the amendment request states that a moisture barrier is not utilized in the design of the interface between the containment liner and the concrete basemat at PVNGS. Relative to NRC Information Notice 2004-09, "Corrosion of Steel Containment and Containment Liner", please discuss the operating experience and inspection results at PVNGS Units 1, 2, and 3.

APS Response

As discussed in NRC Information Notice 2004-09, 10 CFR 50.55a requires the use of Subsections IWE of Section XI of the ASME Boiler and Pressure Vessel Code to perform in-service inspections of containment components, including the interface between the containment liner and the concrete basemat at PVNGS. One hundred percent of this interface is inspected each inspection period under the IWE program. To date there have

been no operating events or inspection results in any of the three units that have indicated the presence of degradation of the containment liner at the basemat interface.

2.0. Risk Analysis

NRC Question 2.1

The lack of an internal flood model is an open Fact & Observation from the 1999 peer review of the PVNGS Probabilistic Risk Assessment (PRA), and is identified in the Internal Events Model Self Assessment Evaluation (Enclosure 1, Attachment 5) as one deficiency in the PRA with respect to meeting Regulatory Guide (RG) 1.200 criteria. The internal flooding screening analysis completed for Palo Verde to address Generic Letter (GL) 88-20 is used as the main basis for the determination that the Core Damage Frequency (CDF) contribution of internal flooding is expected to be minimal. Your evaluation of the internal flooding item in Enclosure 1, Attachment 5, of your submittal states, "To date, no information that contradicts the IPE [Individual Plant Examination] has been identified." Please elaborate on what sources of information were used to confirm the continued validity of the IPE screening analysis for internal floods (e.g., review of plant and industry operating experience, updated pipe break frequencies).

APS Response

The PVNGS Internal Flooding (IF) screening analysis completed to address GL 88-20 was reviewed against the most recent IF Guidelines and pipe rupture frequencies in Electric Power Research Institute (EPRI) Report 1013141, Pipe Rupture Frequencies for Internal Flooding PRAs, Revision 1, March 2006, and EPRI Final Draft Report on Guideline for IF PRA, September 2006. The IPE IF frequency data are consistent with those in the EPRI Reports. More specifically:

- The PVNGS IPE IF analysis used flood frequency screening at the 1.0E-4/yr level for compartments with no flood-sensitive equipment. The PVNGS IPE IF analysis used a flood initiator mean value frequency of 1.5E-05/yr for refueling water tank (RWT) piping in the auxiliary building, 1.0E-04/yr for piping in the control building, 3.5E-05/yr for piping in the Diesel Generator building, 5.0E-06/yr for piping in the AF pump rooms, and 8.9E-05/yr for piping in the turbine building. The corresponding pipe rupture frequencies in the EPRI Reports confirm those used in the IPE. For example, a mean value for moderate feed line break initiating event is reported as 4.69E-05/yr in EPRI Report 0103141, and a component cooling water/core spray pipe rupture event frequency is on the order of 1.0E-06/yr in EPRI Report 0103141.
- The IPE IF analysis reported the CDF contribution of an IF event coupled with a concurrent random LOCA (with LOCA frequency units converted to events/day) is less than 1.0E-08. This assertion remains valid for the current LOCA frequencies per NUREG/CR-5750. For example, the daily small LOCA frequency is on the order of 1E-05, and when this frequency is multiplied by the IF initiating event, it results in a CDF impact of approximately 1.0E-9 per day.
- The PRA risk analysis provided in the PVNGS submittal indicated an increase in LERF of less than 2.5E-09. For Internal Flood risk to be a substantive contributor to increase

in LERF from ILRT extension, it has to have a risk contribution (CDF and LERF) greater than those from the Internal Events PRA by two orders of magnitude. The IF data comparison provided earlier would clearly preclude such extremely high IF risk contributions.

- The 1976 PVNGS construction permits used the "General Data 1975 SRP Site" to address (among other issues) flood issues. Thus, the PVNGS design included Flood considerations.

NRC Question 2,2

The internal events model self assessment evaluation discusses 34 items that do not meet RG 1.200 capability Category II requirements for the PRA, and evaluates each individually with respect to the item's impact on the integrated leakage rate test (ILRT) surveillance interval extension request. Note that the NRC considers capability Category I sufficient for ILRT extension applications. Please provide an evaluation of the cumulative impact on the ILRT extension request of all the items that do not meet capability Category I (e.g., the cumulative impact of all the phenomena and uncertainties that are not modeled).

APS Response

The PVNGS PRA model review for attributes that do not meet RG 1.200 capability Category II resulted in 34 supporting requirements not being met. These 34 requirements were assessed (individually) for their impact on the ILRT test period extension in the amendment request to the NRC. Assessment of these 34 requirements against RG 1.200 capability Category I requirements resulted in 25 not meeting the supporting requirements. One of the 25, the lack of an internal flood model, did not meet RG 1.200 Cat I or Cat II capability. Of the original 34, the nine supporting requirements that meet capability Category I, but do not meet capability Category II are:

- Three initiating events (IE) items (A3a, A5, and A6) regarding review of other plants' IE, review of plant events that occurred during all plant operating states, and interview plant operations personnel.
- One walkdown item (SY-A4) regarding performing plant walkdowns to confirm that PRA model reflects as-built and as-operated.
- Two quantification items (A2b and D3) regarding CDF estimates with state-of-knowledge correlation between probabilities and comparison of results with other similar plants.
- Three LERF items (C2b, C8b, and C9b) regarding reviews of significant accident sequences to determine whether equipment repairs and/or engineering analyses may be credited after core damage.

The 25 items that do not meet RG 1.200 capability Category I may be classified into:

- Phenomena that are not currently modeled in the PRA and are initiating events that were screened out for having postulated frequencies below 1.0E-07 (reactor vessel rupture).

- Lack of IF model
- Insufficient uncertainty analyses

The cumulative impact of these items may be assessed as follows:

- The modeling items (RPV rupture, IF model, and uncertainties) are mutually independent phenomena such that they produce no compounding effects (i.e., the combined effect is no greater than the sum of the individual effects).
- The reactor vessel rupture frequency is postulated to be at the 1.0E-07 level. This initiating event frequency is very low compared with other modeled initiating events and adds an insignificant (~1%) contribution to plant risk (CDF and LERF). It has no impact on LERF events that can be detected by ILRT tests (categories 3a and 3b). Thus, there is no contribution from this un-modeled phenomenon to the cumulative effect of PRA model incompleteness regarding RG 1.200 capability Category I attributes.

The summary of risk impact on ILRT test frequencies (Table 8-1 of Enclosure 1, Attachment 3 of the October 1, 2008 license amendment request) shows that three orders of magnitude increase in risk is required before these impacts approach a 1% increase. The cumulative impact of the items not meeting capability Category I is assessed at no greater than two orders of magnitude increase. This conclusion is based on the Containment design (i.e., large, dry PWR containment), plant design features incorporated to mitigate the effects of internal floods (i.e., train compartmentalization), and typical results of uncertainty analyses for PWRs (i.e., one order of magnitude impact).

Attachment 1
to
Question 1.1(a)

In response to request 1.1.a: Provide a summary table for type B and C tests. The following includes the future scheduled tests to be performed prior to and during the requested five year extension period of the ILRT interval. This information is based on current performance intervals (subject to change due to performance of components) and attempting to balance the LLRTs between the ILRT outage and the outage prior to the ILRT. Past type B and C test performances will be provided seperately.

Start Date of Outage: 4/3/2010 10/1/2011 3/30/2013 10/4/2014

					1R15 Summary		1R16 Summary		1R17 Summary		1R18 Summary	
Pen #	Equipment ID	Current Inverval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
6	DWEV061	60	10/06/08	10/4/13					Y			
	DWEV062	60	10/06/08	10/4/13					Y			
7	FPEV089	60	10/17/08	10/15/13					Y			
	FPEV090	30	10/17/08	4/17/11	Y		Y		Y		Y	
9	RDAUV0023	60	06/05/07	6/2/12	Y						Y	
	RDBUV0024	60	06/05/07	6/2/12	Y	Y					Y	
	RDBUV0407	36	06/05/07	6/3/10	Y				Y			
21	SIAV164	30	10/15/08	4/15/11	Y		Y		Y		Y	
22	SIBV165	30	10/24/08	4/24/11	Y		Y		Y		Y	
25A	HCBUV0044	60	10/20/08	10/18/13					Y			
	HCAUV0045	60	10/20/08	10/18/13					Y			
25B	HCAUV0046	60	10/20/08	10/18/13					Y			
	HCBUV0047	60	10/20/08	10/18/13					Y			
28	SIAUV0682	60	10/19/08	10/17/13					Y			
	SIEV463	60	10/19/08	10/17/13					Y			
	SIEPSV0474	60	10/19/08	10/17/13	Y	Y			Y			
29	GAEV015	30	10/09/08	4/9/11	Y		Y		Y		Y	
	GAAUV0002	60	10/09/08	10/7/13					Y			
30	GAEV011	60	05/27/07	5/24/12			Y				Y	
	GAAUV0001	30	10/10/08	4/10/11	Y		Y		Y		Y	
31	IAEV021	30	10/27/08	4/27/11	Y		Y		Y		Y	
	IAAUV0002	60	10/27/08	10/25/13					Y			
33	NCEV118	60	10/29/05	10/27/10	Y						Y	
	NCBUV0401	60	06/09/07	6/6/12			Y				Y	
34	NCAUV0402	60	10/20/08	10/18/13					Y			
	NCBUV0403	60	06/09/07	6/6/12	Y				Y			
	NCEPSV0617	60	10/20/08	10/18/13					Y			

NOTE:
Y- denotes a test is scheduled
blank - denotes a test is NOT required/scheduled at this time

					1R15 Summary		1R16 Summary		1R17 Summary		1R18 Summary	
Pen #	Equipment ID	Current Inverval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
35	HPAUV0001	60	02/13/06	2/11/11	Y	Y			Y			
	HPAUV0003	60	10/07/08	10/5/13					Y			
	HPAHV0007A	60	11/10/08	11/8/13					Y			
	HPAUV0024	60	10/07/08	10/5/13					Y			
36	HPBUV0002	60	10/24/05	10/22/10	Y	Y					Y	
	HPBUV0004	60	10/15/08	10/13/13					Y			
	HPBHV0008A	60	10/24/05	10/22/10	Y						Y	
38	HPAV002	30	10/17/08	4/17/11	Y		Y		Y		Y	
	HPAUV0005	60	10/17/08	10/15/13					Y			
	HPAHV0007B	60	10/17/08	10/15/13					Y			
	HPAUV0023	60	10/17/08	10/15/13					Y			
39	HPBV004	60	10/09/08	10/7/13					Y			
	HPBUV0006	60	10/07/08	10/5/13	Y	Y			Y			
	HPBHV0008B	60	10/07/08	10/5/13					Y			
40	CHAUV0516	60	05/29/07	5/26/12			Y				Y	
	CHBUV0523	36	10/15/08	10/14/11	Y	Y			Y			
	CHBUV0924	36	10/15/08	10/14/11	Y	Y			Y			
41	CHEVM70	30	10/11/08	4/11/11	Y		Y		Y		Y	
	CHAHV0524	60	10/11/08	10/9/13	Y	Y					Y	
	CHEV854	60	10/22/05	10/20/10	Y						Y	
42A	SSBUV0201	30	10/31/08	5/1/11	Y		Y		Y		Y	
	SSAUV0204	30	10/31/08	5/1/11	Y		Y		Y		Y	
42B	SSBUV0202	30	10/19/08	4/19/11	Y		Y		Y		Y	
	SSAUV0205	30	10/19/08	4/19/11	Y	Y	Y		Y		Y	
42C	SSBUV0200	60	06/04/07	6/1/12			Y				Y	
	SSAUV0203	60	06/04/07	6/1/12			Y				Y	
43	CHBUV0505	30	10/14/08	4/14/11	Y		Y		Y		Y	
	CHAUV0506	60	10/14/08	10/12/13					Y			
44	CHAUV0560	60	11/03/08	11/1/13					Y			
	CHBUV0561	60	11/03/08	11/1/13					Y			
45	CHNV494	60	10/22/08	10/20/13					Y			
	CHAUV0580	30	10/22/08	4/22/11	Y		Y		Y		Y	
	CHAUV0715	30	10/22/08	4/22/11	Y		Y		Y		Y	
50	PCEV070	60	10/07/08	10/5/13	Y						Y	
	PCEV071	60	10/07/08	10/5/13	Y						Y	
51	PCEV075	60	11/09/08	11/7/13	Y						Y	
	PCEV076	30	11/09/08	5/10/11	Y		Y		Y		Y	
52	GRAUV0001	60	10/10/08	10/8/13					Y			
	GRBUV0002	60	10/10/08	10/8/13					Y			
53	PCEU53	18	11/11/08	5/12/10		Y		Y		Y		Y

NOTE:
Y- denotes a test is scheduled
blank - denotes a test is NOT required/scheduled at this time

Attachment 1

					1R15 Summary		1R16 Summary		1R17 Summary		1R18 Summary	
Pen #	Equipment ID	Current Inverval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
58	CLEU58	18	11/10/08	5/11/10		Y		Y		Y		Y
59	IAEV072	36	05/16/07	5/14/10	Y				Y			
	IAEV073	30	10/04/08	4/4/11	Y		Y		Y		Y	
60	WCEV039	60	10/23/08	10/21/13					Y			
	WCBUV0063	60	06/02/07	5/30/12	Y						Y	
61	WCBUV0061	60	06/02/07	5/30/12	Y						Y	
	WCAUV0062	60	10/23/08	10/21/13					Y			
62B	CLEU62B	120	05/26/06	5/21/16							Y	
62C	CLEU62C	120	05/26/06	5/21/16							Y	
72	CHNV835	30	10/10/08	4/10/11	Y		Y		Y		Y	
	CHBHV0255	60	10/10/08	10/8/13	Y	Y					Y	
L-2	ZCNM03	18	11/11/08	5/12/10		Y		Y		Y		Y
Z-1	ENGNZ010	120	10/20/05	10/16/15					Y			
Z-2	ESFNZ020	120	10/12/05	10/8/15					Y			
Z-3	ENGNZ030	120	10/20/05	10/16/15					Y			
Z-4	ESFNZ040	120	10/12/05	10/8/15					Y			
Z-5	ENGNZ050	120	10/20/05	10/16/15					Y			
Z-6	ENHNZ060	120	10/12/05	10/8/15					Y			
Z-7	ENGNZ070	120	10/20/05	10/16/15					Y			
Z-8	ENHNZ080	120	10/12/05	10/8/15					Y			
Z-9	ENHNZ090	120	10/20/05	10/16/15					Y			
Z-10	ENHNZ100	120	10/13/05	10/9/15					Y			
Z-11	ENGNZ110	120	10/20/05	10/16/15					Y			
Z-12	ENHNZ120	120	10/13/05	10/9/15					Y			
Z-13	ENGNZ130	120	10/20/05	10/16/15					Y			
Z-14	EQFNZ140	120	10/13/05	10/9/15					Y			
Z-15	ENHNZ150	120	10/20/05	10/16/15					Y			
Z-16	ENHNZ160	120	10/13/05	10/9/15					Y			
Z-17	ENHNZ170	120	10/20/05	10/16/15					Y			
Z-18	ESFNZ180	30	10/21/08	4/21/11		Y		Y		Y		Y
Z-19	ENHNZ190	120	10/20/05	10/16/15					Y			
Z-20	ENHNZ200	120	10/13/05	10/9/15					Y			
Z-21	ENHNZ210	120	10/20/05	10/16/15					Y			
Z-22	ESFCZ220	120	10/13/05	10/9/15					Y			
Z-23	EPHCZ230	120	10/20/05	10/16/15					Y			
Z-24	EPHCZ240	30	11/09/08	5/10/11		Y		Y		Y		Y
Z-25	ESFCZ250	120	10/20/05	10/16/15					Y			
Z-26	ESFCZ260	120	10/13/05	10/9/15					Y			
Z-27	ESFCZ270	120	10/20/05	10/16/15					Y			
Z-28	ESACZ280	120	10/13/05	10/9/15					Y			
Z-29	EPHCZ290	120	10/20/05	10/16/15					Y			
Z-30	ERICZ300	120	10/13/05	10/9/15					Y			

NOTE:
Y- denotes a test is scheduled
blank - denotes a test is NOT required/scheduled at this time

					1R15 Summary		1R16 Summary		1R17 Summary		1R18 Summary	
Pen #	Equipment ID	Current Inverval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-31	ENANZ310	120	11/22/05	11/18/15					Y			
Z-32	ENGNZ320	120	10/21/05	10/17/15					Y			
Z-33	ENANZ330	120	10/09/08	10/5/18							Y	
Z-34	EPHBZ340	120	10/09/08	10/5/18							Y	
Z-35	ERIBZ350	120	10/21/05	10/17/15					Y			
Z-36	ESEBZ360	120	10/21/05	10/17/15					Y			
Z-37	ESABZ370	120	10/21/05	10/17/15					Y			
Z-38	ESFBZ380	120	10/21/05	10/17/15					Y			
Z-39	EPHBZ390	120	10/21/05	10/17/15					Y			
Z-40	ERIBZ400	120	10/21/05	10/17/15					Y			
Z-41	EPHBZ410	120	10/21/05	10/17/15					Y			
Z-42	ESFBZ420	120	10/21/05	10/17/15					Y			
Z-43	EPHNZ430	120	10/21/05	10/17/15					Y			
Z-44	ENANZ440	120	11/22/05	11/18/15					Y			
Z-45	ENANZ450	120	12/15/05	12/11/15					Y			
Z-46	EPHAZ460	120	10/14/05	10/10/15					Y			
Z-47	ESAAZ470	120	10/13/05	10/9/15					Y			
Z-48	EPHAZ480	120	10/14/05	10/10/15					Y			
Z-49	ERIAZ490	120	10/13/05	10/9/15					Y			
Z-50	ESFAZ500	120	10/13/05	10/9/15					Y			
Z-51	ESEAZ510	120	10/13/05	10/9/15							Y	
Z-52	ERIAZ520	120	10/13/05	10/9/15							Y	
Z-53	EHCNZ530	120	10/14/05	10/10/15							Y	
Z-54	ENGNZ540	120	10/14/05	10/10/15							Y	
Z-55	ENHNZ550	120	10/14/05	10/10/15							Y	
Z-56	ESFNZ560	120	10/14/05	10/10/15							Y	
Z-57	EQFNZ570	120	10/14/05	10/10/15							Y	
Z-58	ESFNZ580	120	10/15/05	10/11/15							Y	
Z-59	ENHNZ590	120	10/14/05	10/10/15							Y	
Z-60	ENGNZ600	120	10/15/05	10/11/15							Y	
Z-61	ENHNZ610	30	10/15/08	4/15/11	Y		Y		Y		Y	
Z-62	ENGNZ620	120	10/15/05	10/11/15							Y	
Z-63	ENHNZ630	120	10/14/05	10/10/15							Y	
Z-64	ESFNZ640	120	10/15/05	10/11/15							Y	
Z-65	ENHNZ650	120	10/14/05	10/10/15							Y	
Z-66	ESFNZ660	120	10/15/05	10/11/15							Y	
Z-67	ENHNZ670	120	10/14/05	10/10/15							Y	
Z-68	ENGNZ680	120	10/15/05	10/11/15							Y	
Z-69	ENGNZ690	120	10/14/05	10/10/15							Y	
Z-70	ENANZ700	120	10/08/08	10/4/18							Y	
Z-71	ENGNZ710	120	10/07/08	10/3/18							Y	
Z-72	ESFNZ720	120	10/07/08	10/3/18							Y	

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Attachment 1

					1R15 Summary		1R16 Summary		1R17 Summary		1R18 Summary	
Pen #	Equipment ID	Current Inverval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-73	ENHNZ730	120	10/05/08	10/1/18							Y	
Z-74	ESFNZ740	120	10/07/08	10/3/18							Y	
Z-75	ESFNZ750	120	10/05/08	10/1/18							Y	
Z-76	ESFNZ760	120	10/07/08	10/3/18							Y	
Z-77	ESFDZ770	120	10/05/08	10/1/18							Y	
Z-78	ESFDZ780	120	10/08/08	10/4/18							Y	
Z-79	ERIDZ790	120	10/05/08	10/1/18							Y	
Z-80	ESFNZ800	30	10/08/08	4/8/11	Y		Y		Y		Y	
Z-81	ESADZ810	120	10/06/08	10/2/18							Y	
Z-82	ESFNZ820	120	10/08/08	10/4/18							Y	
Z-83	ESFDZ830	120	10/06/08	10/2/18							Y	
Z-84	ESFNZ840	120	10/08/08	10/4/18							Y	
Z-85	ESADZ850	120	10/06/08	10/2/18							Y	
Z-86	EPHNZ860	120	10/08/08	10/4/18							Y	
Z-87	ESFNZ870	120	10/06/08	10/2/18							Y	
Z-88	ENGNZ880	120	10/08/08	10/4/18							Y	
Z-89	ESFNZ890	120	10/06/08	10/2/18							Y	
Z-90	ENGNZ900	120	10/08/08	10/4/18							Y	
Z-91	ESFNZ910	120	10/06/08	10/2/18							Y	
L-1	CZCNM01, CZCNM01*01	--				Y		Y		Y		Y
L-3	CZCNM02, CZCNM02*01	--				Y		Y		Y		Y
56	MCPEU56	18	11/11/08	5/12/10		Y		Y		Y		Y
57	MCPEU57	18	11/11/08	5/12/10		Y		Y		Y		Y
78	CPBUV0005A	18	11/06/08	5/7/10		Y		Y		Y		Y
	CPAUV0004A	18	11/06/08	5/7/10		Y		Y		Y		Y
79	CPAUV0004B	18	11/06/08	5/7/10		Y		Y		Y		Y
	CPBUV0005B	18	11/06/08	5/7/10		Y		Y		Y		Y

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Attachment 2
to
Question 1.1(a)

In response to request 1.1.a: Provide a summary table for type B and C tests. The following includes the future scheduled tests to be performed prior to and during the requested five year extension period of the ILRT interval. This information is based on current performance intervals (subject to change due to performance of components) and attempting to balance the LLRTs between the ILRT outage and the outage prior to the ILRT. Past type B and C test performances will be provided seperately.

			Start date of Outage:	10/3/2009		4/2/2011		9/29/2012		3/29/2014		10/3/2019	
					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
6	DWEV061	60	3/30/2008	3/28/13					Y				Y	
	DWEV062	60	3/30/2008	3/28/13					Y				Y	
7	FPEV089	60	4/13/2008	4/11/13					Y				Y	
	FPEV090	30	4/13/2008	10/12/10	Y		Y		Y		Y		Y	
9	RDAUV0023	60	4/25/2008	4/23/13	Y				Y				Y	
	RDBUV0024	36	4/25/2008	4/24/11	Y	Y			Y				Y	
	RDBUV0407	60	4/25/2008	4/23/13					Y				Y	
21	SIAV164	60	4/10/2008	4/8/13					Y				Y	
22	SIBV165	30	4/28/2008	10/27/10	Y		Y		Y		Y		Y	
25A	HCBUV0044	60	4/29/2008	4/27/13					Y				Y	
	HCAUV0045	60	4/29/2008	4/27/13					Y				Y	
25B	HCAUV0046	60	4/29/2008	4/27/13					Y				Y	
	HCBUV0047	60	4/29/2008	4/27/13					Y				Y	
28	SIAUV0682	60	4/5/2008	4/3/13	Y	Y			Y				Y	
	SIEV463	60	4/5/2008	4/3/13					Y				Y	
	SIEPSV0474	60	4/5/2008	4/3/13					Y				Y	
29	GAEV015	60	4/4/2008	4/2/13					Y				Y	
	GAAUV0002	60	4/4/2008	4/2/13					Y				Y	
30	GAEV011	30	4/4/2008	10/3/10	Y		Y		Y		Y		Y	
	GAAUV0001	60	4/4/2008	4/2/13					Y				Y	
31	IAEV021	60	4/19/2008	4/17/13					Y				Y	
	IAAUV0002	60	4/19/2008	4/17/13					Y				Y	
33	NCEV118	60	4/16/2008	4/14/13					Y				Y	
	NCBUV0401	60	10/22/2006	10/20/11	Y						Y			

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Attachment 2

					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
34	NCAUV0402	60	4/17/2008	4/15/13										
	NCBUV0403	60	10/22/2006	10/20/11	Y						Y			
	NCEPSV0617	60	4/17/2008	4/15/13	Y	Y					Y			
35	HPAUV0001	30	4/11/2008	10/10/10	Y		Y		Y		Y		Y	
	HPAUV0003	60	4/11/2008	4/9/13					Y				Y	
	HPAHV0007A	60	8/25/2006	8/23/11			Y						Y	
	HPAUV0024	60	4/11/2008	4/9/13					Y				Y	
36	HPBUV0002	30	4/11/2008	10/10/10	Y		Y		Y		Y		Y	
	HPBUV0004	60	4/11/2008	4/9/13					Y				Y	
	HPBHV0008A	60	12/29/2004	12/27/09	Y						Y			
38	HPAV002	30	4/14/2008	10/13/10	Y	Y	Y		Y		Y		Y	
	HPAUV0005	30	4/14/2008	10/13/10	Y		Y		Y		Y		Y	
	HPAHV0007B	60	10/19/2006	10/17/11			Y						Y	
	HPAUV0023	60	10/19/2006	10/17/11			Y						Y	
39	HPBV004	60	4/11/2008	4/9/13					Y		Y			
	HPBUV0006	30	4/11/2008	10/10/10	Y	Y	Y		Y		Y		Y	
	HPBHV0008B	60	4/11/2008	4/9/13					Y		Y			
40	CHAUV0516	60	4/10/2008	4/8/13					Y		Y			
	CHBUV0523	60	4/10/2008	4/8/13	Y	Y					Y			
	CHBUV0924	30	4/10/2008	10/9/10	Y		Y		Y		Y		Y	
41	CHEVM70	30	4/8/2008	10/7/10	Y	Y	Y		Y		Y		Y	
	CHAHV0524	60	4/7/2008	4/5/13	Y	Y			Y				Y	
	CHEV854	60	10/7/2006	10/5/11			Y						Y	
42A	SSBUV0201	60	4/13/2005	4/11/10	Y						Y			
	SSAUV0204	60	4/13/2005	4/11/10	Y						Y			
42B	SSBUV0202	30	4/13/2008	10/12/10	Y		Y		Y		Y		Y	
	SSAUV0205	30	4/13/2008	10/12/10	Y		Y		Y		Y		Y	
42C	SSBUV0200	60	10/28/2006	10/26/11			Y						Y	
	SSAUV0203	60	10/28/2006	10/26/11			Y						Y	
43	CHBUV0505	60	4/7/2008	4/5/13					Y		Y			
	CHAUV0506	60	4/7/2008	4/5/13					Y		Y			
44	CHAUV0560	60	4/29/2008	4/27/13					Y		Y			
	CHBUV0561	60	4/29/2008	4/27/13					Y		Y			

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Attachment 2

					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
45	CHNV494	60	4/9/2008	4/7/13					Y				Y	
	CHAUV0580	60	4/8/2008	4/6/13	Y	Y			Y				Y	
	CHAUV0715	60	4/8/2008	4/6/13					Y				Y	
50	PCEV070	60	4/2/2008	3/31/13					Y				Y	
	PCEV071	60	4/2/2008	3/31/13					Y				Y	
51	PCEV075	60	11/4/2006	11/2/11			Y						Y	
	PCEV076	60	11/4/2006	11/2/11			Y						Y	
52	GRAUV0001	30	4/9/2008	10/8/10	Y		Y		Y		Y		Y	
	GRBUV0002	36	10/19/2006	10/17/09	Y				Y				Y	
53	PCEU53	18	5/16/2008	11/14/09		Y		Y		Y		Y		Y
58	CLEU58	18	5/16/2008	11/14/09		Y		Y		Y		Y		Y
59	IAEV072	60	3/30/2008	3/28/13					Y				Y	
	IAEV073	30	3/30/2008	9/28/10	Y		Y		Y		Y		Y	
60	WCEV039	60	10/16/2006	10/14/11			Y							
	WCBUV0063	60	4/18/2008	4/16/13	Y	Y			Y					
61	WCBUV0061	60	4/18/2008	4/16/13	Y						Y			
	WCAUV0062	36	4/18/2008	4/17/11	Y				Y		Y			
62B	CLEU62B	30	4/16/2008	10/15/10	Y		Y		Y		Y		Y	
62C	CLEU62C	30	4/16/2008	10/15/10	Y		Y		Y		Y		Y	
72	CHNV835	30	4/6/2008	10/5/10	Y		Y		Y		Y		Y	
	CHBHV0255	60	4/6/2008	4/4/13	Y									
L-2	ZCNM03	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
Z-1	ENGNZ010	120	10/7/2000	10/3/10	Y						Y			
Z-2	ESFNZ020	120	10/7/2000	10/3/10	Y						Y			
Z-3	ENGNZ030	120	10/7/2000	10/3/10	Y						Y			
Z-4	ESFNZ040	120	10/7/2000	10/3/10	Y						Y			
Z-5	ENGNZ050	120	10/7/2000	10/3/10	Y						Y			
Z-6	ENHNZ060	120	10/7/2000	10/3/10	Y						Y			
Z-7	ENGNZ070	120	10/7/2000	10/3/10	Y						Y			
Z-8	ENHNZ080	120	10/7/2000	10/3/10	Y						Y			
Z-9	ENHNZ090	120	10/13/2000	10/9/10	Y						Y			
Z-10	ENHNZ100	120	10/8/2000	10/4/10	Y						Y			
Z-11	ENGNZ110	120	10/13/2000	10/9/10	Y						Y			
Z-12	ENHNZ120	120	10/8/2000	10/4/10	Y						Y			

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					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-13	ENGNZ130	120	10/8/2000	10/4/10	Y						Y			
Z-14	EQFNZ140	120	10/8/2000	10/4/10	Y						Y			
Z-15	ENHNZ150	120	10/8/2000	10/4/10	Y						Y			
Z-16	ENHNZ160	120	10/8/2000	10/4/10	Y						Y			
Z-17	ENHNZ170	120	10/14/2000	10/10/10	Y						Y			
Z-18	ESFNZ180	18	5/7/2008	11/5/09		Y		Y		Y		Y		Y
Z-19	ENHNZ190	120	10/14/2000	10/10/10	Y						Y			
Z-20	ENHNZ200	120	10/14/2000	10/10/10	Y						Y			
Z-21	ENHNZ210	120	10/14/2000	10/10/10	Y						Y			
Z-22	ESFCZ220	120	10/14/2000	10/10/10	Y						Y			
Z-23	EPHCZ230	120	10/14/2000	10/10/10	Y						Y			
Z-24	EPHCZ240	18	5/15/2008	11/13/09		Y		Y		Y		Y		Y
Z-25	ESFCZ250	120	10/15/2000	10/11/10	Y						Y			
Z-26	ESFCZ260	120	10/15/2000	10/11/10	Y						Y			
Z-27	ESFCZ270	120	10/15/2000	10/11/10	Y						Y			
Z-28	ESACZ280	120	10/15/2000	10/11/10	Y						Y			
Z-29	EPHCZ290	120	10/15/2000	10/11/10	Y						Y			
Z-30	ERICZ300	120	10/15/2000	10/11/10	Y						Y			
Z-31	ENANZ310	120	4/12/2008	4/8/18									Y	
Z-32	ENGNZ320	120	4/2/2008	3/29/18									Y	
Z-33	ENANZ330	120	4/2/2008	3/29/18									Y	
Z-34	EPHBZ340	120	4/3/2008	3/30/18									Y	
Z-35	ERIBZ350	120	4/3/2008	3/30/18									Y	
Z-36	ESEBZ360	120	4/2/2008	3/29/18									Y	
Z-37	ESABZ370	120	4/3/2008	3/30/18									Y	
Z-38	ESFBZ380	120	4/2/2008	3/29/18									Y	
Z-39	EPHBZ390	120	4/3/2008	3/30/18									Y	
Z-40	ERIBZ400	120	4/2/2008	3/29/18									Y	
Z-41	EPHBZ410	120	4/3/2008	3/30/18									Y	
Z-42	ESFBZ420	120	4/2/2008	3/29/18									Y	
Z-43	EPHNZ430	120	4/3/2008	3/30/18									Y	
Z-44	ENANZ440	120	4/12/2008	4/8/18									Y	
Z-45	ENANZ450	120	4/14/2008	4/10/18									Y	

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Attachment 2

					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-46	EPHAZ460	120	10/22/2000	10/18/10	Y						Y			
Z-47	ESAAZ470	120	10/22/2000	10/18/10	Y						Y			
Z-48	EPHAZ480	120	10/22/2000	10/18/10	Y						Y			
Z-49	ERIAZ490	120	10/22/2000	10/18/10	Y						Y			
Z-50	ESFAZ500	120	10/22/2000	10/18/10	Y						Y			
Z-51	ESEAZ510	120	10/22/2000	10/18/10	Y						Y			
Z-52	ERIAZ520	120	10/22/2000	10/18/10	Y						Y			
Z-53	EHCNZ530	120	10/22/2000	10/18/10	Y						Y			
Z-54	ENGNZ540	120	10/22/2000	10/18/10	Y						Y			
Z-55	ENHNZ550	120	10/22/2000	10/18/10	Y						Y			
Z-56	ESFNZ560	120	10/22/2000	10/18/10	Y						Y			
Z-57	EQFNZ570	120	10/22/2000	10/18/10	Y						Y			
Z-58	ESFNZ580	120	10/22/2000	10/18/10	Y						Y			
Z-59	ENHNZ590	120	10/22/2000	10/18/10	Y						Y			
Z-60	ENGNZ600	120	10/22/2000	10/18/10	Y						Y			
Z-61	ENHNZ610	30	4/17/2008	10/16/10	Y		Y		Y		Y		Y	
Z-62	ENGNZ620	120	10/22/2000	10/18/10	Y						Y			
Z-63	ENHNZ630	120	10/22/2000	10/18/10	Y						Y			
Z-64	ESFNZ640	120	10/23/2000	10/19/10	Y						Y			
Z-65	ENHNZ650	120	10/23/2000	10/19/10	Y						Y			
Z-66	ESFNZ660	120	10/23/2000	10/19/10	Y						Y			
Z-67	ENHNZ670	120	10/23/2000	10/19/10	Y						Y			
Z-68	ENGNZ680	120	10/23/2000	10/19/10	Y						Y			
Z-69	ENGNZ690	120	10/23/2000	10/19/10	Y						Y			
Z-70	ENANZ700	120	5/8/2008	5/4/18									Y	
Z-71	ENGNZ710	120	4/3/2008	3/30/18									Y	
Z-72	ESFNZ720	120	4/3/2008	3/30/18									Y	
Z-73	ENHNZ730	120	4/3/2008	3/30/18									Y	
Z-74	ESFNZ740	120	4/3/2008	3/30/18									Y	
Z-75	ESFNZ750	120	4/3/2008	3/30/18									Y	

NOTE:
Y- denotes a test is scheduled
blank - denotes a test is NOT required/scheduled at this time

Attachment 2

					2R15 Summary		2R16 Summary		2R17 Summary		2R18 Summary		2R19 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due Date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-76	ESFNZ760	120	4/3/2008	3/30/18									Y	
Z-77	ESFDZ770	120	4/3/2008	3/30/18									Y	
Z-78	ESFDZ780	120	4/3/2008	3/30/18									Y	
Z-79	ERIDZ790	120	4/3/2008	3/30/18									Y	
Z-80	ESFNZ800	120	4/14/2008	4/10/18									Y	
Z-81	ESADZ810	120	4/10/2008	4/6/18									Y	
Z-82	ESFNZ820	120	4/14/2008	4/10/18									Y	
Z-83	ESFDZ830	120	4/10/2008	4/6/18									Y	
Z-84	ESFNZ840	120	4/14/2008	4/10/18									Y	
Z-85	ESADZ850	120	4/10/2008	4/6/18									Y	
Z-86	EPHNZ860	120	4/14/2008	4/10/18									Y	
Z-87	ESFNZ870	120	4/10/2008	4/6/18									Y	
Z-88	ENGNZ880	120	4/15/2008	4/11/18									Y	
Z-89	ESFNZ890	120	4/15/2008	4/11/18									Y	
Z-90	ENGNZ900	120	4/15/2008	4/11/18									Y	
Z-91	ESFNZ910	120	4/15/2008	4/11/18									Y	
L-1	CZCNM01, CZCNM01*01	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
L-3	CZCNM02, CZCNM02*01	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
56	MCPEU56	18	5/19/2008	11/17/09		Y		Y		Y		Y		Y
57	MCPEU57	18	5/19/2008	11/17/09		Y		Y		Y		Y		Y
78	CPBUV0005A	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
	CPAUV0004A	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
79	CPAUV0004B	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y
	CPBUV0005B	18	5/18/2008	11/16/09		Y		Y		Y		Y		Y

NOTE:
Y- denotes a test is scheduled
blank - denotes a test is NOT required/scheduled at this time

Attachment 3
to
Question 1.1(a)

In response to request 1.1.a: Provide a summary table for type B and C tests. The following includes the future scheduled tests to be performed prior to and during the requested five year extension period of the ILRT interval. This information is based on current performance intervals (subject to change due to performance of components) and attempting to balance the LLRTs between the ILRT outage and the outage prior to the ILRT. Past type B and C test performances will be provided seperately.

		Start date of Outage:	10/2/2010		3/31/2012		9/28/2013		4/4/2015			
					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
6	DWEV061	60	4/5/09	4/3/2014					Y			
	DWEV062	60	10/1/07	9/28/2012			Y				Y	
7	FPEV089	60	4/7/09	4/5/2014					Y			
	FPEV090	60	4/7/09	4/5/2014					Y			
9	RDAUV0023	60	4/7/09	4/5/2014					Y			
	RDBUV0024	60	4/7/09	4/5/2014					Y			
	RDBUV0407	60	4/7/09	4/5/2014					Y			
21	SIAV164	60	4/10/09	4/8/2014					Y			
22	SIBV165	30	4/14/09	10/13/2011	Y		Y		Y		Y	
25A	HCBUV0044	60	4/11/09	4/9/2014					Y			
	HCAUV0045	60	4/11/09	4/9/2014					Y			
25B	HCAUV0046	60	4/11/09	4/9/2014					Y			
	HCBUV0047	60	4/11/09	4/9/2014					Y			
28	SIAUV0682	60	4/7/06	4/5/2011	Y						Y	
	SIEV463	60	10/21/07	10/18/2012			Y				Y	
	SIEPSV0474	60	10/21/07	10/18/2012			Y				Y	
29	GAEV015	60	10/6/07	10/3/2012			Y				Y	
	GAAUV0002	60	10/6/07	10/3/2012			Y				Y	
30	GAEV011	60	10/8/07	10/5/2012			Y				Y	
	GAAUV0001	60	4/8/09	4/6/2014					Y			
31	IAEV021	60	4/20/09	4/18/2014					Y			
	IAAUV0002	60	4/20/09	4/18/2014					Y			
33	NCEV118	30	4/14/09	10/13/2011	Y						Y	
	NCBUV0401	60	4/13/09	4/11/2014					Y			

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
34	NCAUV0402	60	4/12/09	4/10/2014					Y			
	NCBUV0403	60	4/23/06	4/21/2011	Y						Y	
	NCEPSV0617	60	4/12/09	4/10/2014					Y			
35	HPAUV0001	60	10/16/07	10/13/2012			Y				Y	
	HPAUV0003	60	4/10/09	4/8/2014					Y			
	HPAHV0007A	60	4/10/09	4/8/2014					Y			
	HPAUV0024	60	4/10/09	4/8/2014					Y			
36	HPBUV0002	60	10/16/07	10/13/2012			Y				Y	
	HPBUV0004	60	4/13/09	4/11/2014					Y			
	HPBHV0008A	60	4/13/09	4/11/2014					Y			
38	HPAV002	30	4/9/09	10/8/2011	Y		Y		Y		Y	
	HPAUV0005	36	4/9/09	4/7/2012			Y				Y	
	HPAHV0007B	60	10/16/07	10/13/2012			Y				Y	
	HPAUV0023	60	10/16/07	10/13/2012			Y				Y	
39	HPBV004	60	4/9/09	4/7/2014					Y			
	HPBUV0006	60	4/9/09	4/7/2014					Y			
	HPBHV0008B	60	10/12/07	10/9/2012			Y				Y	
40	CHAUV0516	60	4/13/09	4/11/2014					Y			
	CHBUV0523	60	4/13/09	4/11/2014					Y			
	CHBUV0924	60	4/13/09	4/11/2014					Y			
41	CHEVM70	30	4/12/09	10/11/2011	Y						Y	
	CHAHV0524	60	4/12/09	4/10/2014					Y			
	CHEV854	60	4/7/06	4/5/2011	Y						Y	
42A	SSBUV0201	30	4/18/09	10/17/2011	Y		Y		Y		Y	
	SSAUV0204	30	4/18/09	10/17/2011	Y		Y		Y		Y	
42B	SSBUV0202	30	4/17/09	10/16/2011	Y		Y		Y		Y	
	SSAUV0205	30	4/17/09	10/16/2011	Y		Y		Y		Y	
42C	SSBUV0200	36	4/18/09	4/16/2012			Y				Y	
	SSAUV0203	36	4/18/09	4/16/2012			Y				Y	

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
43	CHBUV0505	60	10/10/07	10/7/2012			Y				Y	
	CHAUV0506	60	4/10/09	4/8/2014								
44	CHAUV0560	60	4/19/09	4/17/2014					Y			
	CHBUV0561	60	4/19/09	4/17/2014					Y			
45	CHNV494	60	10/21/07	10/18/2012			Y				Y	
	CHAUV0580	60	4/18/09	4/16/2014					Y			
	CHAUV0715	60	4/18/09	4/16/2014					Y			
50	PCEV070	60	4/6/09	4/4/2014					Y			
	PCEV071	60	4/6/09	4/4/2014					Y			
51	PCEV075	60	5/13/09	5/11/2014					Y			
	PCEV076	60	5/13/09	5/11/2014					Y			
52	GRAUV0001	60	10/18/07	10/15/2012			Y				Y	
	GRBUV0002	60	4/20/09	4/18/2014					Y			
53	PCEU53	18	5/15/09	11/13/2010		Y		Y		Y		Y
58	CLEU58	18	5/17/09	11/15/2010		Y		Y		Y		Y
59	IAEV072	60	4/7/09	4/5/2014					Y			
	IAEV073	30	4/7/09	10/6/2011	Y		Y		Y		Y	
60	WCEV039	60	4/21/09	4/19/2014					Y			
	WCBUV0063	60	4/20/09	4/18/2014					Y			
61	WCBUV0061	60	4/20/09	4/18/2014					Y			
	WCAUV0062	60	4/20/09	4/18/2014					Y			
62B	CLEU62B	120	10/17/07	10/12/2017							Y	
62C	CLEU62C	120	10/17/07	10/12/2017							Y	
72	CHNV835	60	4/9/09	4/7/2014					Y			
	CHBHV0255	60	4/9/09	4/7/2014					Y			

NOTE:
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Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
L-2	ZCNM03	18	5/16/09	11/14/2010		Y		Y		Y		Y
Z-1	ENGNZ010	120	10/3/07	9/28/2017					Y			
Z-2	ESFNZ020	120	10/3/07	9/28/2017					Y			
Z-3	ENGNZ030	120	10/3/07	9/28/2017					Y			
Z-4	ESFNZ040	120	10/3/07	9/28/2017					Y			
Z-5	ENGNZ050	120	10/3/07	9/28/2017					Y			
Z-6	ENHNZ060	120	10/3/07	9/28/2017					Y			
Z-7	ENGNZ070	120	10/3/07	9/28/2017					Y			
Z-8	ENHNZ080	120	10/3/07	9/28/2017					Y			
Z-9	ENHNZ090	120	10/3/07	9/28/2017					Y			
Z-10	ENHNZ100	120	10/3/07	9/28/2017					Y			
Z-11	ENGNZ110	120	10/3/07	9/28/2017					Y			
Z-12	ENHNZ120	120	10/3/07	9/28/2017					Y			
Z-13	ENGNZ130	120	10/3/07	9/28/2017					Y			
Z-14	EQFNZ140	120	10/3/07	9/28/2017					Y			
Z-15	ENHNZ150	120	10/3/07	9/28/2017					Y			
Z-16	ENHNZ160	120	10/3/07	9/28/2017					Y			
Z-17	ENHNZ170	120	10/3/07	9/28/2017					Y			
Z-18	ESFNZ180	18	5/8/09	11/6/2010	Y	Y	Y	Y	Y	Y	Y	Y
Z-19	ENHNZ190	120	10/3/07	9/28/2017					Y			
Z-20	ENHNZ200	120	10/3/07	9/28/2017					Y			
Z-21	ENHNZ210	120	10/3/07	9/28/2017					Y			
Z-22	ESFCZ220	120	10/3/07	9/28/2017					Y			
Z-23	EPHCZ230	120	10/3/07	9/28/2017					Y			
Z-24	EPHCZ240	18	5/8/09	11/6/2010	Y	Y	Y	Y	Y	Y	Y	Y
Z-25	ESFCZ250	120	4/22/09	4/18/2019							Y	
Z-26	ESFCZ260	120	4/22/09	4/18/2019							Y	
Z-27	ESFCZ270	120	4/22/09	4/18/2019							Y	
Z-28	ESACZ280	120	4/22/09	4/18/2019							Y	
Z-29	EPHCZ290	120	4/22/09	4/18/2019							Y	
Z-30	ERICZ300	120	4/22/09	4/18/2019							Y	
Z-31	ENANZ310	120	4/12/06	4/7/2016							Y	
Z-32	ENGNZ320	120	4/3/06	3/29/2016							Y	
Z-33	ENANZ330	120	9/30/07	9/25/2017							Y	

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-34	EPHBZ340	120	9/30/07	9/25/2017							Y	
Z-35	ERIBZ350	120	4/4/06	3/30/2016	Y						Y	
Z-36	ESEBZ360	120	4/3/06	3/29/2016	Y						Y	
Z-37	ESABZ370	120	4/4/06	3/30/2016	Y						Y	
Z-38	ESFBZ380	120	4/4/06	3/30/2016	Y						Y	
Z-39	EPHBZ390	120	4/4/06	3/30/2016	Y						Y	
Z-40	ERIBZ400	120	4/4/06	3/30/2016	Y						Y	
Z-41	EPHBZ410	120	4/4/06	3/30/2016	Y						Y	
Z-42	ESFBZ420	120	4/4/06	3/30/2016	Y						Y	
Z-43	EPHNZ430	120	4/4/06	3/30/2016	Y						Y	
Z-44	ENANZ440	120	4/13/06	4/8/2016	Y						Y	
Z-45	ENANZ450	120	4/14/06	4/9/2016	Y						Y	
Z-46	EPHAZ460	120	10/2/07	9/27/2017					Y			
Z-47	ESAAZ470	120	10/1/07	9/26/2017					Y			
Z-48	EPHAZ480	120	10/2/07	9/27/2017					Y			
Z-49	ERIAZ490	120	10/1/07	9/26/2017					Y			
Z-50	ESFAZ500	120	10/1/07	9/26/2017					Y			
Z-51	ESEAZ510	120	9/30/07	9/25/2017					Y			
Z-52	ERIAZ520	120	9/30/07	9/25/2017					Y			
Z-53	EHCNZ530	120	9/30/07	9/25/2017					Y			
Z-54	ENGNZ540	120	10/2/07	9/27/2017					Y			
Z-55	ENHNZ550	120	9/30/07	9/25/2017					Y			
Z-56	ESFNZ560	120	10/2/07	9/27/2017					Y			
Z-57	EQFNZ570	120	9/30/07	9/25/2017					Y			
Z-58	ESFNZ580	120	10/2/07	9/27/2017					Y			
Z-59	ENHNZ590	120	9/30/07	9/25/2017					Y			
Z-60	ENGNZ600	120	10/2/07	9/27/2017					Y			
Z-61	ENHNZ610	30	4/22/09	10/21/2011	Y		Y		Y		Y	
Z-62	ENGNZ620	120	10/2/07	9/27/2017					Y			
Z-63	ENHNZ630	120	9/30/07	9/25/2017					Y			
Z-64	ESFNZ640	120	10/2/07	9/27/2017					Y			
Z-65	ENHNZ650	120	9/30/07	9/25/2017					Y			
Z-66	ESFNZ660	120	10/2/07	9/27/2017					Y			
Z-67	ENHNZ670	120	9/30/07	9/25/2017					Y			

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-68	ENGNZ680	120	10/2/07	9/27/2017					Y			
Z-69	ENGNZ690	120	9/30/07	9/25/2017					Y			
Z-70	ENANZ700	120	4/12/06	4/7/2016	Y						Y	
Z-71	ENGNZ710	120	4/6/06	4/1/2016	Y						Y	
Z-72	ESFNZ720	120	4/6/06	4/1/2016	Y						Y	
Z-73	ENHNZ730	120	4/6/06	4/1/2016	Y						Y	
Z-74	ESFNZ740	120	4/6/06	4/1/2016	Y						Y	
Z-75	ESFNZ750	120	4/6/06	4/1/2016	Y						Y	
Z-76	ESFNZ760	120	4/6/06	4/1/2016	Y						Y	
Z-77	ESFDZ770	120	4/6/06	4/1/2016	Y						Y	
Z-78	ESFDZ780	120	4/6/06	4/1/2016	Y						Y	
Z-79	ERIDZ790	120	4/6/06	4/1/2016	Y						Y	
Z-80	ESFNZ800	120	9/30/07	9/25/2017	Y						Y	
Z-81	ESADZ810	120	4/6/06	4/1/2016	Y						Y	
Z-82	ESFNZ820	120	4/6/06	4/1/2016	Y						Y	
Z-83	ESFDZ830	120	4/6/06	4/1/2016	Y						Y	
Z-84	ESFNZ840	120	4/6/06	4/1/2016	Y						Y	

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 3

					3R15 Summary		3R16 Summary		3R17 Summary		3R18 Summary	
Pen #	Equipment ID	Current Interval	Last AF	Due date	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT	AF LLRT	AL LLRT
Z-85	ESADZ850	120	10/1/07	9/26/2017	Y						Y	
Z-86	EPHNZ860	120	4/6/06	4/1/2016	Y						Y	
Z-87	ESFNZ870	120	4/6/06	4/1/2016	Y						Y	
Z-88	ENGNZ880	120	4/6/06	4/1/2016	Y						Y	
Z-89	ESFNZ890	120	4/6/06	4/1/2016	Y						Y	
Z-90	ENGNZ900	120	4/6/06	4/1/2016	Y						Y	
Z-91	ESFNZ910	120	4/6/06	4/1/2016	Y						Y	
L-1	CZCNM01, CZCNM01*01			1/0/1900		Y		Y		Y	Y	Y
L-3	CZCNM02, CZCNM02*01			1/0/1900		Y		Y		Y		Y
56	MCPEU56	18	12/30/07	6/29/2009		Y		Y		Y		Y
57	MCPEU57	18	12/30/07	6/29/2009		Y		Y		Y		Y
78	CPBUV0005A	18	4/25/2009	10/24/2010		Y		Y		Y		Y
	CPAUV0004A	18	4/25/2009	10/24/2010		Y		Y		Y		Y
79	CPAUV0004B	18	4/25/2009	10/24/2010		Y		Y		Y		Y
	CPBUV0005B	18	4/25/2009	10/24/2010		Y		Y		Y		Y

NOTE:
Y- denotes a test is schedule
blank - denotes a test is NOT required/scheduled at this time

Attachment 4
to
Question 1.1(a)

ATTACHMENT 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Leakage Rate and Acceptance Criteria
Unit 1 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	411	10/28/99		411	10/28/99		
6	1000	DWEV062	520	10/28/99	411	520	10/28/99	520	411
	3000	FPEV089	330	10/27/99		330	10/27/99		
7	3000	FPEV090	32	10/03/02	32	32	10/03/02	330	32
	1500	RDAUV0023	4	10/31/99		4	10/31/99		
	1500	RDBUV0024	44	10/31/99		44	10/31/99		
9	500	RDBUV0407	90	10/29/99	4	90	10/29/99	134	4
	4000	SIAV164	176	04/16/01		203	10/17/02		
	3000	SIAUV0672	28	10/06/02		28	10/06/02		
21	1000	SIEV500	349	10/07/02	176	349	10/07/02	203	377
	4000	SIBV165	104	04/20/01		104	04/20/01		
	3000	SIBUV0671	131	10/11/02		131	10/11/02		
22	1000	SIEV501	131	10/11/02	104	131	10/11/02	131	104
	500	HCBUV0044	2	10/12/99		2	10/12/99		
25A	500	HCAUV0045	2	10/12/99	2	29	10/27/01	29	2
	500	HCAUV0046	2	10/12/99		2	10/12/99		
25B	500	HCBUV0047	2	10/12/99	2	2	10/12/99	2	2
	1000	SIAUV0682	46	04/11/01		46	04/11/01		
	1000	SIEV463	5	10/14/99		5	10/14/99		
28	250	SIEPSV0474	135	04/15/01	5	135	04/15/01	181	5
	400	GAEV015	20	10/05/99		20	10/05/99		
29	400	GAAUV0002	42	10/05/99	20	42	10/05/99	42	20
	500	GAEV011	40	10/12/02		249	10/15/02		
30	500	GAAUV0001	74	10/12/02	40	74	10/12/02	249	74
	1000	IAEV021	9	10/03/99		9	10/03/99		
31	1000	IAAUV0002	20	10/03/99	9	20	10/03/99	20	9
	4000	NCEV118	38	10/03/02		21	10/09/02		
33	4000	NCBUV0401	60	10/03/02	38	60	10/03/02	60	21
	4000	NCAUV0402	33	10/04/02		33	10/04/02		
	4000	NCBUV0403	59	10/04/02		59	10/04/02		
34	250	NCEPSV0617	33	10/04/02	33	57	10/10/02	116	33
	1000	HPAUV0001	200	08/11/99		200	08/11/99		
	1000	HPAUV0003	15	10/08/02		15	10/08/02		
	500	HPAHV0007A	39	10/05/99		39	10/05/99		
35	250	HPAUV0024	33	10/04/99	54	33	10/04/99	200	54

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPBUV0002	54	10/08/02		54	10/08/02		
	1000	HPBUV0004	28	10/09/02		28	10/09/02		
36	500	HPBHV0008A	28	10/09/02	28	28	10/09/02	54	28
	1000	HPAV002	49	10/03/99		49	10/03/99		
	1000	HPAUV0005	41	05/04/01		41	05/04/01		
	500	HPAHV0007B	39	10/03/99		39	10/03/99		
38	250	HPAUV0023	39	10/03/99	49	39	10/03/99	80	49
	1000	HPBV004	1795	10/08/02		25	10/17/02		
	1000	HPBUV0006	196	10/05/99		196	10/05/99		
39	500	HPBHV0008B	26	04/02/01	222	26	04/02/01	222	25
	1000	CHAUV0516	43	10/08/02		43	10/08/02		
	1000	CHBUV0523	63	04/17/01		63	04/17/01		
40	250	CHBUV0924	144	10/08/02	43	144	10/08/02	207	43
	1000	CHEVM70	30	10/05/02		30	10/05/02		
	750	CHAHV0524	6	04/13/01		8	10/14/02		
41	250	CHEV854	20	10/05/02	26	8	10/14/02	30	8
	1000	SSBUV0201	252	04/06/01		252	04/06/01		
42A	1000	SSAUV0204	88	04/06/01	88	88	04/06/01	252	88
	1000	SSBUV0202	464	10/12/02		464	10/12/02		
42B	1000	SSAUV0205	199	10/12/02	199	199	10/12/02	464	199
	1000	SSBUV0200	625	10/11/02		33	10/21/02		
42C	1000	SSAUV0203	748	10/11/02	625	41	10/21/02	41	33
	500	CHBUV0505	21	10/29/99		21	10/29/99		
43	500	CHAUV0506	311	10/08/99	21	311	10/08/99	311	21
	1000	CHAUV0560	20	10/18/99		20	10/18/99		
44	1000	CHBUV0561	23	10/18/99	20	23	10/18/99	23	20
	500	CHNV494	20	10/14/99		20	10/14/99		
	500	CHAUV0580	128	10/29/99		128	10/29/99		
45	250	CHAUV0715	144	10/14/99	20	144	10/14/99	272	20
	1500	PCEV070	20	10/19/99		20	10/19/99		
50	1500	PCEV071	20	10/18/99	20	20	10/18/99	20	20
	1500	PCEV075	34	10/30/99		34	10/30/99		
51	1500	PCEV076	239	10/31/99	34	239	10/31/99	239	34
	500	GRAUV0001	67	05/06/01		67	05/06/01		
52	500	GRBUV0002	45	10/12/99	45	45	10/12/99	67	45
53	500	PCEU53	365	07/18/02	183	497	10/26/02	497	249
58	20	CLEU58	4	5/7/2001	2	20	10/25/02	20	10
	1500	IAEV072	503	09/14/99		503	09/14/99		
59	1500	IAEV073	463	09/14/99	463	463	09/14/99	503	463

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	32	10/22/99		32	10/22/99		
60	4000	WCBUV0063	300	04/21/01	32	300	04/21/01	300	32
	4000	WCBUV0061	20	04/21/01		20	04/21/01		
61	4000	WCAUV0062	107	10/22/99	20	107	10/22/99	107	20
62B	20	CLEU62B	2	10/12/99	1	2	10/12/99	2	1
62C	20	CLEU62C	2	10/12/99	1	2	10/12/99	2	1
	750	CHNV835	79	10/04/02		79	10/04/02		
72	750	CHBHV0255	4	04/16/01	4	4	10/14/02	79	4
L-2	240	ZCNM03	20	5/9/2001	10	8	10/27/02	8	4
Electrical Penetrations									
Z-1	20	ENGNZ010	20	10/04/99	10	20	10/04/99	20	10
Z-2	20	ESFNZ020	20	10/04/99	10	20	10/04/99	20	10
Z-3	20	ENGNZ030	20	10/04/99	10	20	10/04/99	20	10
Z-4	20	ESFNZ040	20	10/04/99	10	20	10/04/99	20	10
Z-5	20	ENGNZ050	6	10/04/99	3	6	10/04/99	6	3
Z-6	20	ENHNZ060	20	10/04/99	10	2	10/13/02	2	1
Z-7	20	ENGNZ070	6	10/04/99	3	6	10/04/99	6	3
Z-8	20	ENHNZ080	2	11/01/99	1	2	11/01/99	2	1
Z-9	20	ENHNZ090	6	10/04/99	3	6	10/04/99	6	3
Z-10	20	ENHNZ100	6	10/04/99	3	6	10/04/99	6	3
Z-11	20	ENGNZ110	6	10/04/99	3	6	10/04/99	6	3
Z-12	20	ENHNZ120	9	10/06/99	5	9	10/06/99	9	5
Z-13	20	ENGNZ130	9	10/06/99	5	9	10/06/99	9	5
Z-14	20	EQFNZ140	9	10/06/99	5	9	10/06/99	9	5
Z-15	20	ENHNZ150	9	10/06/99	5	9	10/06/99	9	5
Z-16	20	ENHNZ160	9	10/06/99	5	9	10/06/99	9	5
Z-17	20	ENHNZ170	9	10/06/99	5	9	10/06/99	9	5
Z-18	20	ESFNZ180	2	04/19/01	1	2	10/13/02	2	1
Z-19	20	ENHNZ190	4	10/06/99	2	4	10/06/99	4	2
Z-20	20	ENHNZ200	4	10/06/99	2	4	10/06/99	4	2
Z-21	20	ENHNZ210	2	11/01/99	1	2	11/01/99	2	1
Z-22	20	ESFCZ220	4	10/06/99	2	4	10/06/99	4	2
Z-23	20	EPHCZ230	2	11/01/99	1	2	11/01/99	2	1
Z-24	20	EPHCZ240	2	04/22/01	1	2	10/13/02	2	1
Z-25	20	ESFCZ250	4	10/06/99	2	4	10/06/99	4	2
Z-26	20	ESFCZ260	4	10/06/99	2	4	10/06/99	4	2
Z-27	20	ESFCZ270	4	10/06/99	2	4	10/06/99	4	2
Z-28	20	ESACZ280	4	10/06/99	2	4	10/06/99	4	2
Z-29	20	EPHCZ290	4	10/06/99	2	4	10/06/99	4	2

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	4	10/06/99	2	4	10/06/99	4	2
Z-31	20	ENANZ310	7	10/17/99	4	7	10/17/99	7	4
Z-32	20	ENGNZ320	5	10/08/99	3	5	10/08/99	5	3
Z-33	20	ENANZ330	2	11/01/99	1	2	11/01/99	2	1
Z-34	20	EPHBZ340	2	11/01/99	1	2	11/01/99	2	1
Z-35	20	ERIBZ350	5	10/08/99	3	5	10/08/99	5	3
Z-36	20	ESEBZ360	5	10/08/99	3	5	10/08/99	5	3
Z-37	20	ESABZ370	9	10/09/99	5	9	10/09/99	9	5
Z-38	20	ESFBZ380	5	10/08/99	3	5	10/08/99	5	3
Z-39	20	EPHBZ390	2	11/01/99	1	2	11/01/99	2	1
Z-40	20	ERIBZ400	5	10/08/99	3	5	10/08/99	5	3
Z-41	20	EPHBZ410	9	10/09/99	5	9	10/09/99	9	5
Z-42	20	ESFBZ420	2	11/01/99	1	2	11/01/99	2	1
Z-43	20	EPHNZ430	9	10/09/99	5	9	10/09/99	9	5
Z-44	20	ENANZ440	7	10/17/99	4	7	10/17/99	7	4
Z-45	20	ENANZ450	7	10/17/99	4	7	10/17/99	7	4
Z-46	20	EPHAZ460	2	10/10/99	1	2	10/10/99	2	1
Z-47	20	ESAAZ470	2	10/10/99	1	2	10/10/99	2	1
Z-48	20	EPHAZ480	14	11/01/99	7	14	11/01/99	14	7
Z-49	20	ERIAZ490	2	10/10/99	1	2	10/10/99	2	1
Z-50	20	ESFAZ500	2	10/10/99	1	2	10/10/99	2	1
Z-51	20	ESEAZ510	3	10/10/99	2	3	10/10/99	3	2
Z-52	20	ERIAZ520	2	10/10/99	1	2	10/10/99	2	1
Z-53	20	EHCNZ530	11	10/10/99	6	11	10/10/99	11	6
Z-54	20	ENGNZ540	11	10/10/99	6	11	10/10/99	11	6
Z-55	20	ENHNZ550	14	11/01/99	7	14	11/01/99	14	7
Z-56	20	ESFNZ560	11	10/10/99	6	11	10/10/99	11	6
Z-57	20	EQFNZ570	11	10/10/99	6	11	10/10/99	11	6
Z-58	20	ESFNZ580	11	10/10/99	6	11	10/10/99	11	6
Z-59	20	ENHNZ590	14	11/01/99	7	14	11/01/99	14	7
Z-60	20	ENGNZ600	20	10/13/99	10	20	10/13/99	20	10
Z-61	20	ENHNZ610	20	10/13/99	10	20	10/13/99	20	10
Z-62	20	ENGNZ620	14	11/01/99	7	14	11/01/99	14	7
Z-63	20	ENHNZ630	2	11/01/99	1	2	11/01/99	2	1
Z-64	20	ESFNZ640	20	10/13/99	10	20	10/13/99	20	10
Z-65	20	ENHNZ650	2	11/01/99	1	2	11/01/99	2	1
Z-66	20	ESFNZ660	20	10/13/99	10	20	10/13/99	20	10
Z-67	20	ENHNZ670	20	10/13/99	10	20	10/13/99	20	10
Z-68	20	ENGNZ680	2	11/01/99	1	2	11/01/99	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	2	11/01/99	1	2	11/01/99	2	1
Z-70	20	ENANZ700	9	10/17/99	5	9	10/17/99	9	5
Z-71	20	ENGNZ710	2	10/15/99	1	2	10/15/99	2	1
Z-72	20	ESFNZ720	2	11/01/99	1	2	11/01/99	2	1
Z-73	20	ENHNZ730	5	11/04/99	3	5	11/04/99	5	3
Z-74	20	ESFNZ740	4	10/16/99	2	4	10/16/99	4	2
Z-75	20	ESENZ750	16	10/15/99	8	16	10/15/99	16	8
Z-76	20	ESFNZ760	4	10/16/99	2	4	10/16/99	4	2
Z-77	20	ESFDZ770	4	10/16/99	2	4	10/16/99	4	2
Z-78	20	ESFDZ780	4	10/16/99	2	4	10/16/99	4	2
Z-79	20	ERIDZ790	4	10/16/99	2	4	10/16/99	4	2
Z-80	20	ESFNZ800	2	11/01/99	1	2	11/01/99	2	1
Z-81	20	ESADZ810	4	10/16/99	2	4	10/16/99	4	2
Z-82	20	ESFNZ820	13	10/16/99	7	13	10/16/99	13	7
Z-83	20	ESFDZ830	13	10/16/99	7	13	10/16/99	13	7
Z-84	20	ESFNZ840	13	10/16/99	7	13	10/16/99	13	7
Z-85	20	ESADZ850	2	11/01/99	1	2	11/01/99	2	1
Z-86	20	EPHNZ860	13	10/16/99	7	13	10/16/99	13	7
Z-87	20	ESFNZ870	13	10/16/99	7	13	10/16/99	13	7
Z-88	20	ENGNZ880	10	10/16/99	5	10	10/16/99	10	5
Z-89	20	ESFNZ890	2	10/16/99	1	2	10/16/99	2	1
Z-90	20	ENGNZ900	2	10/16/99	1	2	10/16/99	2	1
Z-91	20	ESFNZ910	2	10/16/99	1	2	10/16/99	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Leakage Rate and Acceptance Criteria

Unit 1 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	371	04/04/04		371	04/04/04		
6	1000	DWEV062	236	04/04/04	236	236	04/04/04	371	236
	3000	FPEV089	20	04/05/04		20	04/05/04		
7	3000	FPEV090	13	04/05/04	13	13	04/05/04	20	13
	1500	RDAUV0023	71	04/24/04		71	04/24/04		
	1500	RDBUV0024	72	04/24/04		72	04/24/04		
9	1500	RDBUV0407	10,100	04/24/04	71	484	04/29/04	556	71
21	4000	SIAV164	459	04/23/04	459	459	04/23/04	459	459
22	4000	SIBV165	145	04/12/04	145	145	04/12/04	145	145
	500	HCBUV0044	17	04/21/04		17	04/21/04		
25A	500	HCAUV0045	100	04/21/04	17	100	04/21/04	100	17
	500	HCAUV0046	4	04/21/04		4	04/21/04		
25B	500	HCBUV0047	2	04/21/04	2	2	04/21/04	4	2
	1000	SIAUV0682	46	04/11/01		231	04/22/04		
	1000	SIEV463	109	04/11/04		109	04/11/04		
28	250	SIEPSV0474	109	04/11/04	46	109	04/11/04	231	109
	400	GAEV015	192	04/26/04		192	04/26/04		
29	400	GAAUV0002	345	04/26/04	192	345	04/26/04	345	192
	500	GAEV011	31	04/25/04		31	04/25/04		
30	500	GAAUV0001	58	04/26/04	31	58	04/26/04	58	31
	1000	IAEV021	14	04/05/04		14	04/05/04		
31	1000	IAAUV0002	20	04/05/04	14	20	04/05/04	20	14
	4000	NCEV118	21	10/09/02		21	10/09/02		
33	4000	NCBUV0401	668	04/20/04	21	668	04/20/04	668	21
	4000	NCAUV0402	33	10/04/02		33	10/04/02		
	4000	NCBUV0403	1518	04/22/04		1518	04/22/04		
34	250	NCEPSV0617	125	04/22/04	33	125	04/22/04	1643	33
	1000	HPAUV0001	416	04/16/04		416	04/16/04		
	1000	HPAUV0003	15	10/08/02		15	10/08/02		
	500	HPAHV0007A	330	04/16/04		330	04/16/04		
35	250	HPAUV0024	380	04/16/04	395	380	04/16/04	416	395
	1000	HPBUV0002	54	10/08/02		54	10/08/02		
	1000	HPBUV0004	28	10/09/02		28	10/09/02		
36	500	HPBHV0008A	28	10/09/02	28	28	10/09/02	54	28

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	3050	04/15/04		163	04/26/04		
	1000	HPAUV0005	20	01/23/04		20	01/23/04		
	500	HPAHV0007B	29	04/15/04		29	04/15/04		
38	250	HPAUV0023	29	04/15/04	49	29	04/15/04	163	49
	1000	HPBV004	21	04/19/04		21	04/19/04		
	1000	HPBUV0006	20	04/19/04		20	04/19/04		
39	500	HPBHV0008B	26	04/02/01	21	26	04/02/01	46	21
	1000	CHAUV0516	9	04/11/04		9	04/25/04		
	1000	CHBUV0523	926	04/11/04		305	04/25/04		
40	250	CHBUV0924	926	04/11/04	9	926	04/11/04	1231	9
	1000	CHEVM70	30	10/05/02		30	10/05/02		
	750	CHAHV0524	54	04/09/04		54	04/09/04		
41	250	CHEV854	8	10/14/02	30	12	04/20/04	66	30
	1000	SSBUV0201	435	04/18/04		435	04/18/04		
42A	1000	SSAUV0204	175	04/18/04	175	175	04/18/04	435	175
	1000	SSBUV0202	740	04/18/04		740	04/18/04		
42B	1000	SSAUV0205	688	04/18/04	688	688	04/18/04	740	688
	1000	SSBUV0200	73	04/19/04		73	04/19/04		
42C	1000	SSAUV0203	112	04/19/04	73	112	04/19/04	112	73
	500	CHBUV0505	2	04/13/04		2	04/13/04		
43	500	CHAUV0506	18	04/13/04	2	18	04/13/04	18	2
	1000	CHAUV0560	11	04/25/04		11	04/25/04		
44	1000	CHBUV0561	19	04/25/04	11	19	04/25/04	19	11
	500	CHNV494	32	04/23/04		32	04/23/04		
	500	CHAUV0580	170	04/24/04		170	04/24/04		
45	250	CHAUV0715	170	04/24/04	32	170	04/24/04	170	32
	1500	PCEV070	2	04/20/04		2	04/20/04		
50	1500	PCEV071	4	04/20/04	2	4	04/20/04	4	2
	1500	PCEV075	20	05/01/04		20	05/01/04		
51	1500	PCEV076	160	05/01/04	20	160	05/01/04	160	20
	500	GRAUV0001	14	04/21/04		16	04/27/04		
52	500	GRBUV0002	16	04/21/04	14	16	04/21/04	16	16
53	500	PCEU53	488	04/04/04	244	312	05/03/04	312	156
58	20	CLEU58	2	04/03/04	1	2	05/02/04	2	1
	1500	IAEV072	1205	04/29/04		1205	04/29/04		
59	1500	IAEV073	801	04/29/04	801	801	04/29/04	1205	801
	4000	WCEV039	143	04/17/04		143	04/17/04		
60	4000	WCBUV0063	408	04/17/04	143	362	04/21/04	362	143

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	53	04/16/04		15	04/22/04		
61	4000	WCAUV0062	192	04/17/04	53	192	04/17/04	192	15
62B	20	CLEU62B	2	04/07/04	1	2	04/07/04	2	1
62C	20	CLEU62C	2	04/07/04	1	2	04/07/04	2	1
	750	CHNV835	79	10/04/02		79	10/04/02		
72	750	CHBHV0255	20	04/09/04	20	20	04/09/04	79	20
L-2	240	ZCNM03	8	10/27/02	4	10	05/04/04	10	5
Electrical Penetrations									
Z-1	20	ENGNZ010	20	10/04/99	10	20	10/04/99	20	10
Z-2	20	ESFNZ020	20	10/04/99	10	20	10/04/99	20	10
Z-3	20	ENGNZ030	20	10/04/99	10	20	10/04/99	20	10
Z-4	20	ESFNZ040	20	10/04/99	10	20	10/04/99	20	10
Z-5	20	ENGNZ050	6	10/04/99	3	6	10/04/99	6	3
Z-6	20	ENHNZ060	2	10/13/02	1	2	10/13/02	2	1
Z-7	20	ENGNZ070	6	10/04/99	3	6	10/04/99	6	3
Z-8	20	ENHNZ080	2	11/01/99	1	2	11/01/99	2	1
Z-9	20	ENHNZ090	6	10/04/99	3	6	10/04/99	6	3
Z-10	20	ENHNZ100	6	10/04/99	3	6	10/04/99	6	3
Z-11	20	ENGNZ110	6	10/04/99	3	6	10/04/99	6	3
Z-12	20	ENHNZ120	9	10/06/99	5	9	10/06/99	9	5
Z-13	20	ENGNZ130	9	10/06/99	5	9	10/06/99	9	5
Z-14	20	EQFNZ140	9	10/06/99	5	9	10/06/99	9	5
Z-15	20	ENHNZ150	9	10/06/99	5	9	10/06/99	9	5
Z-16	20	ENHNZ160	9	10/06/99	5	9	10/06/99	9	5
Z-17	20	ENHNZ170	9	10/06/99	5	9	10/06/99	9	5
Z-18	20	ESFNZ180	2	10/13/02	1	2	10/13/02	2	1
Z-19	20	ENHNZ190	4	10/06/99	2	4	10/06/99	4	2
Z-20	20	ENHNZ200	4	10/06/99	2	4	10/06/99	4	2
Z-21	20	ENHNZ210	2	11/01/99	1	2	11/01/99	2	1
Z-22	20	ESFCZ220	4	10/06/99	2	4	10/06/99	4	2
Z-23	20	EPHCZ230	2	11/01/99	1	2	11/01/99	2	1
Z-24	20	EPHCZ240	2	10/13/02	1	2	04/30/04	2	1
Z-25	20	ESFCZ250	4	10/06/99	2	4	10/06/99	4	2
Z-26	20	ESFCZ260	4	10/06/99	2	4	10/06/99	4	2
Z-27	20	ESFCZ270	4	10/06/99	2	4	10/06/99	4	2
Z-28	20	ESACZ280	4	10/06/99	2	4	10/06/99	4	2
Z-29	20	EPHCZ290	4	10/06/99	2	4	10/06/99	4	2
Z-30	20	ERICZ300	4	10/06/99	2	4	10/06/99	4	2
Z-31	20	ENANZ310	7	10/17/99	4	7	10/17/99	7	4

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	5	10/08/99	3	5	10/08/99	5	3
Z-33	20	ENANZ330	2	11/01/99	1	2	11/01/99	2	1
Z-34	20	EPHBZ340	2	11/01/99	1	2	11/01/99	2	1
Z-35	20	ERIBZ350	5	10/08/99	3	5	10/08/99	5	3
Z-36	20	ESEBZ360	5	10/08/99	3	5	10/08/99	5	3
Z-37	20	ESABZ370	9	10/09/99	5	9	10/09/99	9	5
Z-38	20	ESFBZ380	5	10/08/99	3	5	10/08/99	5	3
Z-39	20	EPHBZ390	2	11/01/99	1	2	11/01/99	2	1
Z-40	20	ERIBZ400	5	10/08/99	3	5	10/08/99	5	3
Z-41	20	EPHBZ410	9	10/09/99	5	9	10/09/99	9	5
Z-42	20	ESFBZ420	2	11/01/99	1	2	11/01/99	2	1
Z-43	20	EPHNZ430	9	10/09/99	5	9	10/09/99	9	5
Z-44	20	ENANZ440	7	10/17/99	4	7	10/17/99	7	4
Z-45	20	ENANZ450	7	10/17/99	4	7	10/17/99	7	4
Z-46	20	EPHAZ460	2	10/10/99	1	2	10/10/99	2	1
Z-47	20	ESAAZ470	2	10/10/99	1	2	10/10/99	2	1
Z-48	20	EPHAZ480	14	11/01/99	7	14	11/01/99	14	7
Z-49	20	ERIAZ490	2	10/10/99	1	2	10/10/99	2	1
Z-50	20	ESFAZ500	2	10/10/99	1	2	10/10/99	2	1
Z-51	20	ESEAZ510	3	10/10/99	2	3	10/10/99	3	2
Z-52	20	ERIAZ520	2	10/10/99	1	2	10/10/99	2	1
Z-53	20	EHCNZ530	11	10/10/99	6	11	10/10/99	11	6
Z-54	20	ENGNZ540	11	10/10/99	6	11	10/10/99	11	6
Z-55	20	ENHNZ550	14	11/01/99	7	14	11/01/99	14	7
Z-56	20	ESFNZ560	11	10/10/99	6	11	10/10/99	11	6
Z-57	20	EQFNZ570	11	10/10/99	6	11	10/10/99	11	6
Z-58	20	ESFNZ580	11	10/10/99	6	11	10/10/99	11	6
Z-59	20	ENHNZ590	14	11/01/99	7	14	11/01/99	14	7
Z-60	20	ENGNZ600	20	10/13/99	10	20	10/13/99	20	10
Z-61	20	ENHNZ610	20	10/13/99	10	20	10/13/99	20	10
Z-62	20	ENGNZ620	14	11/01/99	7	14	11/01/99	14	7
Z-63	20	ENHNZ630	2	11/01/99	1	2	11/01/99	2	1
Z-64	20	ESFNZ640	20	10/13/99	10	20	10/13/99	20	10
Z-65	20	ENHNZ650	2	11/01/99	1	2	11/01/99	2	1
Z-66	20	ESFNZ660	20	10/13/99	10	20	10/13/99	20	10
Z-67	20	ENHNZ670	20	10/13/99	10	20	10/13/99	20	10
Z-68	20	ENGNZ680	2	11/01/99	1	2	11/01/99	2	1
Z-69	20	ENGNZ690	2	11/01/99	1	2	11/01/99	2	1
Z-70	20	ENANZ700	9	10/17/99	5	9	10/17/99	9	5

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	2	10/15/99	1	2	10/15/99	2	1
Z-72	20	ESFNZ720	2	11/01/99	1	2	11/01/99	2	1
Z-73	20	ENHNZ730	5	11/04/99	3	5	11/04/99	5	3
Z-74	20	ESFNZ740	4	10/16/99	2	4	10/16/99	4	2
Z-75	20	ESENZ750	16	10/15/99	8	16	10/15/99	16	8
Z-76	20	ESFNZ760	4	10/16/99	2	4	10/16/99	4	2
Z-77	20	ESFDZ770	4	10/16/99	2	4	10/16/99	4	2
Z-78	20	ESFDZ780	4	10/16/99	2	4	10/16/99	4	2
Z-79	20	ERIDZ790	4	10/16/99	2	4	10/16/99	4	2
Z-80	20	ESFNZ800	2	11/01/99	1	2	11/01/99	2	1
Z-81	20	ESADZ810	4	10/16/99	2	4	10/16/99	4	2
Z-82	20	ESFNZ820	13	10/16/99	7	13	10/16/99	13	7
Z-83	20	ESFDZ830	13	10/16/99	7	13	10/16/99	13	7
Z-84	20	ESFNZ840	13	10/16/99	7	13	10/16/99	13	7
Z-85	20	ESADZ850	2	11/01/99	1	2	11/01/99	2	1
Z-86	20	EPHNZ860	13	10/16/99	7	13	10/16/99	13	7
Z-87	20	ESFNZ870	13	10/16/99	7	13	10/16/99	13	7
Z-88	20	ENGNZ880	10	10/16/99	5	10	10/16/99	10	5
Z-89	20	ESFNZ890	2	10/16/99	1	2	10/16/99	2	1
Z-90	20	ENGNZ900	2	10/16/99	1	2	10/16/99	2	1
Z-91	20	ESFNZ910	2	10/16/99	1	2	10/16/99	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Leakage Rate and Acceptance Criteria

Unit 1 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	371	04/04/04		371	04/04/04		
6	1000	DWEV062	236	04/04/04	236	236	04/04/04	371	236
	3000	FPEV089	20	04/05/04		20	04/05/04		
7	3000	FPEV090	13	04/05/04	13	13	04/05/04	20	13
	1500	RDAUV0023	2	06/08/05		20	11/14/05		
	1500	RDBUV0024	72	04/24/04		72	04/24/04		
9	1500	RDBUV0407	197	11/10/05	2	197	11/10/05	269	20
21	4000	SIAV164	459	04/23/04	459	459	04/23/04	459	459
22	4000	SIBV165	145	04/12/04	145	145	04/12/04	145	145
	500	HCBUV0044	17	04/21/04		17	04/21/04		
25A	500	HCAUV0045	100	04/21/04	17	100	04/21/04	100	17
	500	HCAUV0046	4	04/21/04		4	04/21/04		
25B	500	HCBUV0047	2	04/21/04	2	2	04/21/04	4	2
	1000	SIAUV0682	260	11/02/05		260	11/02/05		
	1000	SIEV463	109	04/11/04		109	04/11/04		
28	250	SIEPSV0474	109	04/11/04	109	109	04/11/04	369	109
	400	GAEV015	192	04/26/04		192	04/26/04		
29	400	GAAUV0002	345	04/26/04	192	345	04/26/04	345	192
	500	GAEV011	31	04/25/04		31	04/25/04		
30	500	GAAUV0001	58	04/26/04	31	58	04/26/04	58	31
	1000	IAEV021	14	04/05/04		14	04/05/04		
31	1000	IAAUV0002	20	04/05/04	14	20	04/05/04	20	14
	4000	NCEV118	52	10/29/05		52	10/29/05		
33	4000	NCBUV0401	668	04/20/04	52	82	10/30/05	82	52
	4000	NCAUV0402	33	10/04/02		43	11/08/05		
	4000	NCBUV0403	1518	04/22/04		1518	04/22/04		
34	1000	NCEPSV0617	125	04/22/04	33	43	11/08/05	1561	43
	1000	HPAUV0001	415	12/18/04		415	12/18/04		
	1000	HPAUV0003	9	10/23/05		9	10/23/05		
	500	HPAHV0007A	37	12/09/04		37	12/09/04		
35	500	HPAUV0024	380	04/16/04	389	380	04/16/04	415	389
	1000	HPBUV0002	197	10/24/05		197	10/24/05		
	1000	HPBUV0004	21	10/24/05		21	10/24/05		
36	500	HPBHV0008A	21	10/24/05	21	21	10/24/05	197	21

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	122	10/23/05		122	10/23/05		
	1000	HPAUV0005	2	10/23/05		2	10/23/05		
	500	HPAHV0007B	29	04/15/04		29	04/15/04		
38	250	HPAUV0023	29	04/15/04	31	29	04/15/04	122	31
	1000	HPBV004	20	10/24/05		20	10/24/05		
	1000	HPBUV0006	20	04/19/04		20	04/19/04		
39	500	HPBHV0008B	400	10/24/05	20	400	10/24/05	420	20
	1000	CHAUV0516	20	10/18/05		20	10/18/05		
	1000	CHBUV0523	91	10/18/05		396	11/19/05		
40	1000	CHBUV0924	6324	10/18/05	20	396	11/19/05	396	20
	1000	CHEVM70	20	10/17/05		20	10/17/05		
	750	CHAHV0524	18	10/17/05		18	10/17/05		
41	750	CHEV854	18	10/17/05	20	31	10/22/05	49	20
	1000	SSBUV0201	385	10/25/05		385	10/25/05		
42A	1000	SSAUV0204	469	10/25/05	385	469	10/25/05	469	385
	1000	SSBUV0202	285	10/25/05		285	10/25/05		
42B	1000	SSAUV0205	621	10/25/05	285	36	11/27/05	285	36
	1000	SSBUV0200	21	10/23/05		21	10/23/05		
42C	1000	SSAUV0203	103	10/23/05	21	103	10/23/05	103	21
	500	CHBUV0505	2	04/13/04		2	04/13/04		
43	500	CHAUV0506	18	04/13/04	2	250	11/19/05	250	2
	1000	CHAUV0560	11	04/25/04		11	04/25/04		
44	1000	CHBUV0561	19	04/25/04	11	19	04/25/04	19	11
	500	CHNV494	32	04/23/04		32	04/23/04		
	500	CHAUV0580	170	04/24/04		170	11/20/05		
45	250	CHAUV0715	170	04/24/04	32	170	04/24/04	340	32
	1500	PCEV070	2	04/20/04		2	04/20/04		
50	1500	PCEV071	4	04/20/04	2	4	04/20/04	4	2
	1500	PCEV075	20	05/01/04		20	05/01/04		
51	1500	PCEV076	160	05/01/04	20	160	05/01/04	160	20
	500	GRAUV0001	16	04/27/04		20	11/16/05		
52	500	GRBUV0002	16	04/21/04	16	16	04/21/04	20	16
53	500	PCEU53	504	10/10/05	504	46	12/17/05	46	23
58	20	CLEU58	2	05/02/04	1	20	12/15/05	20	10
	1500	IAEV072	1205	04/29/04		1205	04/29/04		
59	1500	IAEV073	801	04/29/04	801	801	04/29/04	1205	801
	4000	WCEV039	143	04/17/04		143	04/17/04		
60	4000	WCBUV0063	362	04/21/04	143	362	04/21/04	362	143

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	15	04/22/04		15	04/22/04		
61	4000	WCAUV0062	192	04/17/04	15	192	04/17/04	192	15
62B	20	CLEU62B	2	12/16/05	1	2	12/16/05	2	1
62C	20	CLEU62C	2	12/16/05	1	2	12/16/05	2	1
	750	CHNV835	72	10/15/05		72	10/15/05		
72	750	CHBHV0255	30	10/15/05	30	30	10/15/05	72	30
L-2	240	ZCNM03	32	10/09/05	32	200	12/18/05	200	100
Electrical Penetrations									
Z-1	20	ENGNZ010	12	10/20/05	6	12	10/20/05	12	6
Z-2	20	ESFNZ020	3	10/12/05	2	3	10/12/05	3	2
Z-3	20	ENGNZ030	12	10/20/05	6	12	10/20/05	12	6
Z-4	20	ESFNZ040	3	10/12/05	2	3	10/12/05	3	2
Z-5	20	ENGNZ050	12	10/20/05	6	12	10/20/05	12	6
Z-6	20	ENHNZ060	3	10/12/05	2	3	10/12/05	3	2
Z-7	20	ENGNZ070	16	10/20/05	8	16	10/20/05	16	8
Z-8	20	ENHNZ080	3	10/12/05	2	3	10/12/05	3	2
Z-9	20	ENHNZ090	16	10/20/05	8	16	10/20/05	16	8
Z-10	20	ENHNZ100	4	10/13/05	2	4	10/13/05	4	2
Z-11	20	ENGNZ110	6	10/20/05	3	6	10/20/05	6	3
Z-12	20	ENHNZ120	4	10/13/05	2	4	10/13/05	4	2
Z-13	20	ENGNZ130	15	10/20/05	8	15	10/20/05	15	8
Z-14	20	EQFNZ140	4	10/13/05	2	4	10/13/05	4	2
Z-15	20	ENHNZ150	15	10/20/05	8	15	10/20/05	15	8
Z-16	20	ENHNZ160	4	10/13/05	2	4	10/13/05	4	2
Z-17	20	ENHNZ170	15	10/20/05	8	15	10/20/05	15	8
Z-18	20	ESFNZ180	4	10/13/05	2	4	10/13/05	4	2
Z-19	20	ENHNZ190	15	10/20/05	8	15	10/20/05	15	8
Z-20	20	ENHNZ200	18	10/13/05	9	18	10/13/05	18	9
Z-21	20	ENHNZ210	5	10/20/05	3	5	10/20/05	5	3
Z-22	20	ESFCZ220	18	10/13/05	9	18	10/13/05	18	9
Z-23	20	EPHCZ230	5	10/20/05	3	5	10/20/05	5	3
Z-24	20	EPHCZ240	2	10/09/05	1	2	11/01/05	2	1
Z-25	20	ESFCZ250	5	10/20/05	3	5	10/20/05	5	3
Z-26	20	ESFCZ260	18	10/13/05	9	18	10/13/05	18	9
Z-27	20	ESFCZ270	5	10/20/05	3	5	10/20/05	5	3
Z-28	20	ESACZ280	18	10/13/05	9	18	10/13/05	18	9
Z-29	20	EPHCZ290	5	10/20/05	3	5	10/20/05	5	3
Z-30	20	ERICZ300	18	10/13/05	9	18	10/13/05	18	9
Z-31	20	ENANZ310	2	11/22/05	1	2	11/22/05	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	16	10/21/05	8	16	10/21/05	16	8
Z-33	20	ENANZ330	2	11/01/99	1	2	12/15/05	2	1
Z-34	20	EPHBZ340	2	11/01/99	1	5	11/28/05	5	3
Z-35	20	ERIBZ350	16	10/21/05	8	16	10/21/05	16	8
Z-36	20	ESEBZ360	16	10/21/05	8	16	10/21/05	16	8
Z-37	20	ESABZ370	16	10/21/05	8	16	10/21/05	16	8
Z-38	20	ESFBZ380	16	10/21/05	8	16	10/21/05	16	8
Z-39	20	EPHBZ390	16	10/21/05	8	16	10/21/05	16	8
Z-40	20	ERIBZ400	16	10/21/05	8	16	10/21/05	16	8
Z-41	20	EPHBZ410	16	10/21/05	8	16	10/21/05	16	8
Z-42	20	ESFBZ420	16	10/21/05	8	16	10/21/05	16	8
Z-43	20	EPHNZ430	16	10/21/05	8	16	10/21/05	16	8
Z-44	20	ENANZ440	2	11/22/05	1	2	11/22/05	2	1
Z-45	20	ENANZ450	18	12/15/05	9	18	12/15/05	18	9
Z-46	20	EPHAZ460	2	10/14/05	1	2	10/14/05	2	1
Z-47	20	ESAAZ470	13	10/13/05	7	13	10/13/05	13	7
Z-48	20	EPHAZ480	2	10/14/05	1	2	10/14/05	2	1
Z-49	20	ERIAZ490	13	10/13/05	7	13	10/13/05	13	7
Z-50	20	ESFAZ500	13	10/13/05	7	13	10/13/05	13	7
Z-51	20	ESEAZ510	13	10/13/05	7	13	10/13/05	13	7
Z-52	20	ERIAZ520	7	10/13/05	4	7	10/13/05	7	4
Z-53	20	EHCNZ530	14	10/14/05	7	14	10/14/05	14	7
Z-54	20	ENGNZ540	16	10/14/05	8	16	10/14/05	16	8
Z-55	20	ENHNZ550	14	10/14/05	7	14	10/14/05	14	7
Z-56	20	ESFNZ560	2	10/14/05	1	2	10/14/05	2	1
Z-57	20	EQFNZ570	14	10/14/05	7	14	10/14/05	14	7
Z-58	20	ESFNZ580	4	10/15/05	2	4	10/15/05	4	2
Z-59	20	ENHNZ590	14	10/14/05	7	14	10/14/05	14	7
Z-60	20	ENGNZ600	4	10/15/05	2	4	10/15/05	4	2
Z-61	20	ENHNZ610	14	10/14/05	7	14	10/14/05	14	7
Z-62	20	ENGNZ620	4	10/15/05	2	4	10/15/05	4	2
Z-63	20	ENHNZ630	11	10/14/05	6	11	10/14/05	11	6
Z-64	20	ESFNZ640	4	10/15/05	2	4	10/15/05	4	2
Z-65	20	ENHNZ650	11	10/14/05	6	11	10/14/05	11	6
Z-66	20	ESFNZ660	2	10/15/05	1	2	10/15/05	2	1
Z-67	20	ENHNZ670	11	10/14/05	6	11	10/14/05	11	6
Z-68	20	ENGNZ680	2	10/15/05	1	2	10/15/05	2	1
Z-69	20	ENGNZ690	11	10/14/05	6	11	10/14/05	11	6
Z-70	20	ENANZ700	18	11/23/05	9	18	11/23/05	18	9

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	14	10/19/05	7	14	10/19/05	14	7
Z-72	20	ESFNZ720	14	10/19/05	7	14	10/19/05	14	7
Z-73	20	ENHNZ730	17	10/16/05	9	17	10/16/05	17	9
Z-74	20	ESFNZ740	14	10/19/05	7	14	10/19/05	14	7
Z-75	20	ESENZ750	17	10/16/05	9	17	10/16/05	17	9
Z-76	20	ESFNZ760	14	10/19/05	7	14	10/19/05	14	7
Z-77	20	ESFDZ770	17	10/16/05	9	17	10/16/05	17	9
Z-78	20	ESFDZ780	17	10/16/05	9	17	10/16/05	17	9
Z-79	20	ERIDZ790	17	10/16/05	9	17	10/16/05	17	9
Z-80	20	ESFNZ800	2	11/01/99	1	66	11/28/05	66	33
Z-81	20	ESADZ810	16	11/27/05	8	16	11/27/05	16	8
Z-82	20	ESFNZ820	5	11/27/05	3	5	11/27/05	5	3
Z-83	20	ESFDZ830	14	11/27/05	7	14	11/27/05	14	7
Z-84	20	ESFNZ840	5	11/27/05	3	5	11/27/05	5	3
Z-85	20	ESADZ850	2	11/01/99	1	16	11/27/05	16	8
Z-86	20	EPHNZ860	5	11/27/05	3	5	11/27/05	5	3
Z-87	20	ESFNZ870	16	11/27/05	8	16	11/27/05	16	8
Z-88	20	ENGNZ880	12	11/27/05	6	12	11/27/05	12	6
Z-89	20	ESFNZ890	16	11/27/05	8	16	11/27/05	16	8
Z-90	20	ENGNZ900	5	11/27/05	3	5	11/27/05	5	3
Z-91	20	ESFNZ910	16	11/27/05	8	16	11/27/05	16	8

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Leakage Rate and Acceptance Criteria

Unit 1 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	371	04/04/04		371	04/04/04		
6	1000	DWEV062	236	04/04/04	236	236	04/04/04	371	236
	3000	FPEV089	20	04/05/04		20	04/05/04		
7	3000	FPEV090	256	05/22/06	20	256	05/22/06	256	20
	1500	RDAUV0023	507	06/05/07		507	06/05/07		
	1500	RDBUV0024	460	06/05/07		460	06/05/07		
9	1500	RDBUV0407	460	06/05/07	460	460	06/05/07	507	460
21	4000	SIAV164	459	04/23/04	459	459	04/23/04	459	459
22	4000	SIBV165	145	04/12/04	145	145	04/12/04	145	145
	500	HCBUV0044	17	04/21/04		17	04/21/04		
25A	500	HCAUV0045	100	04/21/04	17	100	04/21/04	100	17
	500	HCAUV0046	4	04/21/04		4	04/21/04		
25B	500	HCBUV0047	2	04/21/04	2	2	04/21/04	4	2
	1000	SIAUV0682	155	05/24/07		179	06/18/07		
	1000	SIEV463	109	04/11/04		109	04/11/04		
28	250	SIEPSV0474	109	04/11/04	109	109	04/11/04	179	109
	400	GAEV015	192	04/26/04		192	04/26/04		
29	400	GAAUV0002	345	04/26/04	192	345	04/26/04	345	192
	500	GAEV011	22	05/27/07		22	06/07/07		
30	500	GAAUV0001	244	05/27/07	22	420	06/07/07	420	22
	1000	IAEV021	14	04/05/04		14	04/05/04		
31	1000	IAAUV0002	20	04/05/04	14	20	04/05/04	20	14
	4000	NCEV118	52	10/29/05		52	10/29/05		
33	4000	NCBUV0401	166	06/09/07	52	166	06/09/07	166	52
	4000	NCAUV0402	325	06/09/07		325	06/09/07		
	4000	NCBUV0403	1536	06/09/07		1774	06/14/07		
34	1000	NCEPSV0617	43	11/08/05	325	43	11/08/05	1817	325
	1000	HPAUV0001	28	02/13/06		28	02/13/06		
	1000	HPAUV0003	345	02/17/06		345	02/17/06		
	500	HPAHV0007A	345	02/17/06		345	02/17/06		
35	500	HPAUV0024	380	04/16/04	28	380	04/16/04	553	28
	1000	HPBUV0002	197	10/24/05		197	10/24/05		
	1000	HPBUV0004	21	10/24/05		21	10/24/05		
36	500	HPBHV0008A	21	10/24/05	21	21	10/24/05	197	21

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	440	05/28/07		440	05/28/07		
	1000	HPAUV0005	20	06/08/06		20	06/08/06		
	500	HPAHV0007B	29	04/15/04		29	04/15/04		
38	250	HPAUV0023	29	04/15/04	49	29	04/15/04	440	49
	1000	HPBV004	20	10/24/05		20	10/24/05		
	1000	HPBUV0006	20	04/19/04		20	04/19/04		
39	500	HPBHV0008B	400	10/24/05	20	400	10/24/05	420	20
	1000	CHAUV0516	325	05/29/07		5	06/11/07		
	1000	CHBUV0523	443	05/29/07		96	06/11/07		
40	1000	CHBUV0924	443	05/29/07	325	443	05/29/07	539	5
	1000	CHEVM70	13	05/26/07		13	05/26/07		
	750	CHAHV0524	2	05/26/07		9	06/16/07		
41	750	CHEV854	31	10/22/05	13	31	10/22/05	40	13
	1000	SSBUV0201	220	06/03/07		15	06/24/07		
42A	1000	SSAUV0204	70	06/03/07	70	10	06/24/07	15	10
	1000	SSBUV0202	758	06/04/07		395	06/27/07		
42B	1000	SSAUV0205	583	06/04/07	583	583	06/04/07	583	395
	1000	SSBUV0200	93	06/04/07		93	06/04/07		
42C	1000	SSAUV0203	225	06/04/07	93	225	06/04/07	225	93
	500	CHBUV0505	2	05/26/07		8	06/07/07		
43	500	CHAUV0506	250	11/19/05	2	250	11/19/05	250	8
	1000	CHAUV0560	11	04/25/04		11	04/25/04		
44	1000	CHBUV0561	19	04/25/04	11	19	04/25/04	19	11
	500	CHNV494	32	04/23/04		32	04/23/04		
	500	CHAUV0580	170	11/20/05		170	11/20/05		
45	250	CHAUV0715	170	04/24/04	32	170	04/24/04	340	32
	1500	PCEV070	2	04/20/04		2	04/20/04		
50	1500	PCEV071	4	04/20/04	2	4	04/20/04	4	2
	1500	PCEV075	20	05/01/04		20	05/01/04		
51	1500	PCEV076	14	06/29/07	14	64	06/30/07	64	20
	500	GRAUV0001	20	11/16/05		20	11/16/05		
52	500	GRBUV0002	16	04/21/04	16	16	04/21/04	20	16
53	1000	PCEU53	340	06/28/06	170	43	06/28/07	43	22
58	20	CLEU58	2	05/26/06	1	2	06/28/07	2	1
	1500	IAEV072	1120	05/16/07		1120	05/16/07		
59	1500	IAEV073	610	05/16/07	610	1170	05/17/07	1170	1120
	4000	WCEV039	143	04/17/04		143	04/17/04		
60	4000	WCBUV0063	459	06/02/07	143	459	06/02/07	459	143

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	140	06/02/07		58	06/10/07		
61	4000	WCAUV0062	192	04/17/04	140	192	04/17/04	192	58
62B	20	CLEU62B	2	05/26/06	1	2	05/26/06	2	1
62C	20	CLEU62C	2	05/26/06	1	2	05/26/06	2	1
	750	CHNV835	135	05/26/07		152	06/03/07		
72	750	CHBHV0255	31	05/26/07	31	31	05/26/07	152	31
L-2	240	ZCNM03	35	06/28/06	18	200	06/29/07	200	100
Electrical Penetrations									
Z-1	20	ENGNZ010	12	10/20/05	6	12	10/20/05	12	6
Z-2	20	ESFNZ020	3	10/12/05	2	3	10/12/05	3	2
Z-3	20	ENGNZ030	12	10/20/05	6	12	10/20/05	12	6
Z-4	20	ESFNZ040	3	10/12/05	2	3	10/12/05	3	2
Z-5	20	ENGNZ050	12	10/20/05	6	12	10/20/05	12	6
Z-6	20	ENHNZ060	3	10/12/05	2	3	10/12/05	3	2
Z-7	20	ENGNZ070	16	10/20/05	8	16	10/20/05	16	8
Z-8	20	ENHNZ080	3	10/12/05	2	3	10/12/05	3	2
Z-9	20	ENHNZ090	16	10/20/05	8	16	10/20/05	16	8
Z-10	20	ENHNZ100	4	10/13/05	2	4	10/13/05	4	2
Z-11	20	ENGNZ110	6	10/20/05	3	6	10/20/05	6	3
Z-12	20	ENHNZ120	4	10/13/05	2	4	10/13/05	4	2
Z-13	20	ENGNZ130	15	10/20/05	8	15	10/20/05	15	8
Z-14	20	EQFNZ140	4	10/13/05	2	4	10/13/05	4	2
Z-15	20	ENHNZ150	15	10/20/05	8	15	10/20/05	15	8
Z-16	20	ENHNZ160	4	10/13/05	2	4	10/13/05	4	2
Z-17	20	ENHNZ170	15	10/20/05	8	15	10/20/05	15	8
Z-18	20	ESFNZ180	4	10/13/05	2	2	06/22/07	2	1
Z-19	20	ENHNZ190	15	10/20/05	8	15	10/20/05	15	8
Z-20	20	ENHNZ200	18	10/13/05	9	18	10/13/05	18	9
Z-21	20	ENHNZ210	5	10/20/05	3	5	10/20/05	5	3
Z-22	20	ESFCZ220	18	10/13/05	9	18	10/13/05	18	9
Z-23	20	EPHCZ230	5	10/20/05	3	5	10/20/05	5	3
Z-24	20	EPHCZ240	2	11/01/05	1	2	06/20/07	2	1
Z-25	20	ESFCZ250	5	10/20/05	3	5	10/20/05	5	3
Z-26	20	ESFCZ260	18	10/13/05	9	18	10/13/05	18	9
Z-27	20	ESFCZ270	5	10/20/05	3	5	10/20/05	5	3
Z-28	20	ESACZ280	18	10/13/05	9	18	10/13/05	18	9
Z-29	20	EPHCZ290	5	10/20/05	3	5	10/20/05	5	3
Z-30	20	ERICZ300	18	10/13/05	9	18	10/13/05	18	9
Z-31	20	ENANZ310	2	11/22/05	1	2	11/22/05	2	1

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	16	10/21/05	8	16	10/21/05	16	8
Z-33	20	ENANZ330	2	12/15/05	1	2	12/15/05	2	1
Z-34	20	EPHBZ340	5	11/28/05	1	5	11/28/05	5	3
Z-35	20	ERIBZ350	16	10/21/05	8	16	10/21/05	16	8
Z-36	20	ESEBZ360	16	10/21/05	8	16	10/21/05	16	8
Z-37	20	ESABZ370	16	10/21/05	8	16	10/21/05	16	8
Z-38	20	ESFBZ380	16	10/21/05	8	16	10/21/05	16	8
Z-39	20	EPHBZ390	16	10/21/05	8	16	10/21/05	16	8
Z-40	20	ERIBZ400	16	10/21/05	8	16	10/21/05	16	8
Z-41	20	EPHBZ410	16	10/21/05	8	16	10/21/05	16	8
Z-42	20	ESFBZ420	16	10/21/05	8	16	10/21/05	16	8
Z-43	20	EPHNZ430	16	10/21/05	8	16	10/21/05	16	8
Z-44	20	ENANZ440	2	11/22/05	1	2	11/22/05	2	1
Z-45	20	ENANZ450	18	12/15/05	9	18	12/15/05	18	9
Z-46	20	EPHAZ460	2	10/14/05	1	2	10/14/05	2	1
Z-47	20	ESAAZ470	13	10/13/05	7	13	10/13/05	13	7
Z-48	20	EPHAZ480	2	10/14/05	1	2	10/14/05	2	1
Z-49	20	ERIAZ490	13	10/13/05	7	13	10/13/05	13	7
Z-50	20	ESFAZ500	13	10/13/05	7	13	10/13/05	13	7
Z-51	20	ESEAZ510	13	10/13/05	7	13	10/13/05	13	7
Z-52	20	ERIAZ520	7	10/13/05	4	7	10/13/05	7	4
Z-53	20	EHCNZ530	14	10/14/05	7	14	10/14/05	14	7
Z-54	20	ENGNZ540	16	10/14/05	8	16	10/14/05	16	8
Z-55	20	ENHNZ550	14	10/14/05	7	14	10/14/05	14	7
Z-56	20	ESFNZ560	2	10/14/05	1	2	10/14/05	2	1
Z-57	20	EQFNZ570	14	10/14/05	7	14	10/14/05	14	7
Z-58	20	ESFNZ580	4	10/15/05	2	4	10/15/05	4	2
Z-59	20	ENHNZ590	14	10/14/05	7	14	10/14/05	14	7
Z-60	20	ENGNZ600	4	10/15/05	2	4	10/15/05	4	2
Z-61	20	ENHNZ610	3	05/21/07	2	5	06/07/07	5	3
Z-62	20	ENGNZ620	4	10/15/05	2	4	10/15/05	4	2
Z-63	20	ENHNZ630	11	10/14/05	6	11	10/14/05	11	6
Z-64	20	ESFNZ640	4	10/15/05	2	4	10/15/05	4	2
Z-65	20	ENHNZ650	11	10/14/05	6	11	10/14/05	11	6
Z-66	20	ESFNZ660	2	10/15/05	1	2	10/15/05	2	1
Z-67	20	ENHNZ670	11	10/14/05	6	11	10/14/05	11	6
Z-68	20	ENGNZ680	2	10/15/05	1	2	10/15/05	2	1
Z-69	20	ENGNZ690	11	10/14/05	6	11	10/14/05	11	6
Z-70	20	ENANZ700	18	11/23/05	9	18	11/23/05	18	9

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	14	10/19/05	7	14	10/19/05	14	7
Z-72	20	ESFNZ720	14	10/19/05	7	14	10/19/05	14	7
Z-73	20	ENHNZ730	17	10/16/05	9	17	10/16/05	17	9
Z-74	20	ESFNZ740	14	10/19/05	7	14	10/19/05	14	7
Z-75	20	ESENZ750	17	10/16/05	9	17	10/16/05	17	9
Z-76	20	ESFNZ760	14	10/19/05	7	14	10/19/05	14	7
Z-77	20	ESFDZ770	17	10/16/05	9	17	10/16/05	17	9
Z-78	20	ESFDZ780	17	10/16/05	9	17	10/16/05	17	9
Z-79	20	ERIDZ790	17	10/16/05	9	17	10/16/05	17	9
Z-80	20	ESFNZ800	80	05/21/07	40	80	05/21/07	80	40
Z-81	20	ESADZ810	16	11/27/05	8	16	11/27/05	16	8
Z-82	20	ESFNZ820	5	11/27/05	3	5	11/27/05	5	3
Z-83	20	ESFDZ830	14	11/27/05	7	14	11/27/05	14	7
Z-84	20	ESFNZ840	5	11/27/05	3	5	11/27/05	5	3
Z-85	20	ESADZ850	16	11/27/05	8	16	11/27/05	16	8
Z-86	20	EPHNZ860	5	11/27/05	3	5	11/27/05	5	3
Z-87	20	ESFNZ870	16	11/27/05	8	16	11/27/05	16	8
Z-88	20	ENGNZ880	12	11/27/05	6	12	11/27/05	12	6
Z-89	20	ESFNZ890	16	11/27/05	8	16	11/27/05	16	8
Z-90	20	ENGNZ900	5	11/27/05	3	5	11/27/05	5	3
Z-91	20	ESFNZ910	16	11/27/05	8	16	11/27/05	16	8

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Leakage Rate and Acceptance Criteria

Unit 1 R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	738	10/06/08		738	10/06/08		
6	1000	DWEV062	321	10/06/08	321	321	10/06/08	738	321
	3000	FPEV089	140	10/17/08		140	10/17/08		
7	3000	FPEV090	14	10/17/08	14	2790	10/27/08	2790	140
	1500	RDAUV0023	507	06/05/07		507	06/05/07		
	1500	RDBUV0024	460	06/05/07		460	06/05/07		
9	1500	RDBUV0407	460	06/05/07	460	460	06/05/07	507	460
21	4000	SIAV164	716	10/14/08	716	40	10/18/08	40	40
22	4000	SIBV165	284	10/24/08	284	57	10/29/08	57	57
	500	HCBUV0044	120	10/20/08		120	10/20/08		
25A	500	HCAUV0045	138	10/20/08	120	138	10/20/08	138	120
	500	HCAUV0046	138	10/20/08		138	10/20/08		
25B	500	HCBUV0047	120	10/20/08	120	120	10/20/08	138	120
	1000	SIAUV0682	270	10/18/08		260	10/31/08		
	1000	SIEV463	20	10/18/08		20	10/18/08		
28	250	SIEPSV0474	20	10/18/08	20	20	10/18/08	260	20
	400	GAEV015	120	10/09/08		562	11/03/08		
29	400	GAAUV0002	306	10/09/08	120	306	10/09/08	562	306
	500	GAEV011	22	06/07/07		22	06/07/07		
30	500	GAAUV0001	247	10/10/08	22	247	10/10/08	247	22
	1000	IAEV021	5200	10/27/08		320	10/31/08		
31	1000	IAAUV0002	317	10/27/08	317	317	10/27/08	320	317
	4000	NCEV118	52	10/29/05		52	10/29/05		
33	4000	NCBUV0401	166	06/09/07	52	166	06/09/07	166	52
	4000	NCAUV0402	20	10/20/08		80	11/02/08		
	4000	NCBUV0403	1774	06/14/07		1774	06/14/07		
34	1000	NCEPSV0617	20	10/20/08	20	80	11/02/08	1854	80
	1000	HPAUV0001	28	02/13/06		28	02/13/06		
	1000	HPAUV0003	6	10/07/08		6	10/07/08		
	500	HPAHV0007A	15	11/10/08		15	11/10/08		
35	500	HPAUV0024	6	10/07/08	12	28	11/10/08	34	28
	1000	HPBUV0002	197	10/24/05		197	10/24/05		
	1000	HPBUV0004	444	10/15/08		480	11/07/08		
36	500	HPBHV0008A	21	10/24/05	197	21	10/24/05	501	197

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	1400	10/17/08		30	11/02/08		
	1000	HPAUV0005	38	10/17/08		4	11/03/08		
	500	HPAHV0007B	38	10/17/08		38	10/17/08		
38	250	HPAUV0023	38	10/17/08	76	38	10/17/08	42	30
	1000	HPBV004	20	10/09/08		20	10/09/08		
	1000	HPBUV0006	5	10/07/08		84	10/21/08		
39	500	HPBHV0008B	5	10/07/08	20	5	10/07/08	89	20
	1000	CHAUV0516	5	06/11/07		5	06/11/07		
	1000	CHBUV0523	91	10/15/08		91	10/30/08		
40	1000	CHBUV0924	91	10/15/08	5	91	10/30/08	91	5
	1000	CHEVM70	10	10/11/08		10	10/11/08		
	750	CHAHV0524	34	10/11/08		40	10/26/08		
41	750	CHEV854	31	10/22/05	10	31	10/22/05	71	10
	1000	SSBUV0201	20	10/31/08		20	10/31/08		
42A	1000	SSAUV0204	20	10/31/08	20	20	10/31/08	20	20
	1000	SSBUV0202	255	10/19/08		220	11/10/08		
42B	1000	SSAUV0205	1520	10/19/08	255	1520	10/19/08	1520	220
	1000	SSBUV0200	93	06/04/07		93	06/04/07		
42C	1000	SSAUV0203	225	06/04/07	93	225	06/04/07	225	93
	500	CHBUV0505	302	10/14/08		20	10/24/08		
43	500	CHAUV0506	324	10/13/08	302	32	10/24/08	32	20
	1000	CHAUV0560	20	11/01/08		2	11/05/08		
44	1000	CHBUV0561	20	11/01/08	20	8	11/05/08	8	2
	500	CHNV494	8	10/22/08		8	10/22/08		
	500	CHAUV0580	592	10/22/08		592	10/22/08		
45	250	CHAUV0715	391	10/22/08	8	391	10/22/08	983	8
	1500	PCEV070	125	10/07/08		125	10/07/08		
50	1500	PCEV071	20	10/07/08	20	20	10/07/08	125	20
	1500	PCEV075	10	11/09/08		10	11/09/08		
51	1500	PCEV076	2	11/09/08	2	2	11/09/08	10	2
	500	GRAUV0001	5	10/10/08		13	10/29/08		
52	500	GRBUV0002	12	10/10/08	5	12	10/10/08	13	12
53	1000	PCEU53	43	06/28/07	43	36	11/11/08	36	36
58	20	CLEU58	2	06/28/07	2	3	11/10/08	3	3
	1500	IAEV072	1120	05/16/07		1120	05/16/07		
59	1500	IAEV073	401	10/04/08	401	401	10/04/08	1120	401
	4000	WCEV039	57	10/23/08		57	10/23/08		
60	4000	WCBUV0063	459	06/02/07	57	459	06/02/07	459	57

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	58	06/10/07		58	06/10/07		
61	4000	WCAUV0062	377	10/23/08	58	299	10/27/08	299	58
62B	20	CLEU62B	2	05/26/06	2	2	05/26/06	2	2
62C	20	CLEU62C	2	05/26/06	2	2	05/26/06	2	2
	750	CHNV835	20	10/10/08		20	10/10/08		
72	750	CHBHV0255	2	10/10/08	2	2	10/26/08	20	2
L-2	240	ZCNM03	200	06/29/07	200	7	11/11/08	7	7
Electrical Penetrations									
Z-1	20	ENGNZ010	12	10/20/05	12	12	10/20/05	12	12
Z-2	20	ESFNZ020	3	10/12/05	3	3	10/12/05	3	3
Z-3	20	ENGNZ030	12	10/20/05	12	12	10/20/05	12	12
Z-4	20	ESFNZ040	3	10/12/05	3	3	10/12/05	3	3
Z-5	20	ENGNZ050	12	10/20/05	12	12	10/20/05	12	12
Z-6	20	ENHNZ060	3	10/12/05	3	3	10/12/05	3	3
Z-7	20	ENGNZ070	16	10/20/05	16	16	10/20/05	16	16
Z-8	20	ENHNZ080	3	10/12/05	3	3	10/12/05	3	3
Z-9	20	ENHNZ090	16	10/20/05	16	16	10/20/05	16	16
Z-10	20	ENHNZ100	4	10/13/05	4	4	10/13/05	4	4
Z-11	20	ENGNZ110	6	10/20/05	6	6	10/20/05	6	6
Z-12	20	ENHNZ120	4	10/13/05	4	4	10/13/05	4	4
Z-13	20	ENGNZ130	15	10/20/05	15	15	10/20/05	15	15
Z-14	20	EQFNZ140	4	10/13/05	4	4	10/13/05	4	4
Z-15	20	ENHNZ150	15	10/20/05	15	15	10/20/05	15	15
Z-16	20	ENHNZ160	4	10/13/05	4	4	10/13/05	4	4
Z-17	20	ENHNZ170	15	10/20/05	15	15	10/20/05	15	15
Z-18	20	ESFNZ180	2	06/22/07	2	4	10/21/08	4	4
Z-19	20	ENHNZ190	15	10/20/05	15	15	10/20/05	15	15
Z-20	20	ENHNZ200	18	10/13/05	18	18	10/13/05	18	18
Z-21	20	ENHNZ210	5	10/20/05	5	5	10/20/05	5	5
Z-22	20	ESFCZ220	18	10/13/05	18	18	10/13/05	18	18
Z-23	20	EPHCZ230	5	10/20/05	5	5	10/20/05	5	5
Z-24	20	EPHCZ240	2	06/20/07	2	5	11/09/08	5	5
Z-25	20	ESFCZ250	5	10/20/05	5	5	10/20/05	5	5
Z-26	20	ESFCZ260	18	10/13/05	18	18	10/13/05	18	18
Z-27	20	ESFCZ270	5	10/20/05	5	5	10/20/05	5	5
Z-28	20	ESACZ280	18	10/13/05	18	18	10/13/05	18	18
Z-29	20	EPHCZ290	5	10/20/05	5	5	10/20/05	5	5
Z-30	20	ERICZ300	18	10/13/05	18	18	10/13/05	18	18
Z-31	20	ENANZ310	2	11/22/05	2	2	11/22/05	2	2

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	16	10/21/05	16	16	10/21/05	16	16
Z-33	20	ENANZ330	2	10/09/08	2	2	10/09/08	2	2
Z-34	20	EPHBZ340	2	10/09/08	2	2	10/09/08	2	2
Z-35	20	ERIBZ350	16	10/21/05	16	16	10/21/05	16	16
Z-36	20	ESEBZ360	16	10/21/05	16	16	10/21/05	16	16
Z-37	20	ESABZ370	16	10/21/05	16	16	10/21/05	16	16
Z-38	20	ESFBZ380	16	10/21/05	16	16	10/21/05	16	16
Z-39	20	EPHBZ390	16	10/21/05	16	16	10/21/05	16	16
Z-40	20	ERIBZ400	16	10/21/05	16	16	10/21/05	16	16
Z-41	20	EPHBZ410	16	10/21/05	16	16	10/21/05	16	16
Z-42	20	ESFBZ420	16	10/21/05	16	16	10/21/05	16	16
Z-43	20	EPHNZ430	16	10/21/05	16	16	10/21/05	16	16
Z-44	20	ENANZ440	2	11/22/05	2	2	11/22/05	2	2
Z-45	20	ENANZ450	18	12/15/05	18	18	12/15/05	18	18
Z-46	20	EPHAZ460	2	10/14/05	2	2	10/14/05	2	2
Z-47	20	ESAAZ470	13	10/13/05	13	13	10/13/05	13	13
Z-48	20	EPHAZ480	2	10/14/05	2	2	10/14/05	2	2
Z-49	20	ERIAZ490	13	10/13/05	13	13	10/13/05	13	13
Z-50	20	ESFAZ500	13	10/13/05	13	13	10/13/05	13	13
Z-51	20	ESEAZ510	13	10/13/05	13	13	10/13/05	13	13
Z-52	20	ERIAZ520	7	10/13/05	7	7	10/13/05	7	7
Z-53	20	EHCNZ530	14	10/14/05	14	14	10/14/05	14	14
Z-54	20	ENGNZ540	16	10/14/05	16	16	10/14/05	16	16
Z-55	20	ENHNZ550	14	10/14/05	14	14	10/14/05	14	14
Z-56	20	ESFNZ560	2	10/14/05	2	2	10/14/05	2	2
Z-57	20	EQFNZ570	14	10/14/05	14	14	10/14/05	14	14
Z-58	20	ESFNZ580	4	10/15/05	4	4	10/15/05	4	4
Z-59	20	ENHNZ590	14	10/14/05	14	14	10/14/05	14	14
Z-60	20	ENGNZ600	4	10/15/05	4	4	10/15/05	4	4
Z-61	20	ENHNZ610	14	10/15/08	14	14	10/15/08	14	14
Z-62	20	ENGNZ620	4	10/15/05	4	4	10/15/05	4	4
Z-63	20	ENHNZ630	11	10/14/05	11	11	10/14/05	11	11
Z-64	20	ESFNZ640	4	10/15/05	4	4	10/15/05	4	4
Z-65	20	ENHNZ650	11	10/14/05	11	11	10/14/05	11	11
Z-66	20	ESFNZ660	2	10/15/05	2	2	10/15/05	2	2
Z-67	20	ENHNZ670	11	10/14/05	11	11	10/14/05	11	11
Z-68	20	ENGNZ680	2	10/15/05	2	2	10/15/05	2	2
Z-69	20	ENGNZ690	11	10/14/05	11	11	10/14/05	11	11
Z-70	20	ENANZ700	7	10/08/08	7	7	10/08/08	7	7

Attachment 4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 1

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	6	10/07/08	6	6	10/07/08	6	6
Z-72	20	ESFNZ720	6	10/07/08	6	6	10/07/08	6	6
Z-73	20	ENHNZ730	16	10/05/08	16	16	10/05/08	16	16
Z-74	20	ESFNZ740	6	10/07/08	6	6	10/07/08	6	6
Z-75	20	ESENZ750	16	10/05/08	16	16	10/05/08	16	16
Z-76	20	ESFNZ760	6	10/07/08	6	6	10/07/08	6	6
Z-77	20	ESFDZ770	16	10/05/08	16	16	10/05/08	16	16
Z-78	20	ESFDZ780	6	10/08/08	6	6	10/08/08	6	6
Z-79	20	ERIDZ790	16	10/05/08	16	16	10/05/08	16	16
Z-80	20	ESFNZ800	65	10/08/08	65	2	10/31/08	2	2
Z-81	20	ESADZ810	11	10/06/08	11	11	10/06/08	11	11
Z-82	20	ESFNZ820	6	10/08/08	6	6	10/08/08	6	6
Z-83	20	ESFDZ830	11	10/06/08	11	11	10/06/08	11	11
Z-84	20	ESFNZ840	6	10/08/08	6	6	10/08/08	6	6
Z-85	20	ESADZ850	11	10/06/08	11	11	10/06/08	11	11
Z-86	20	EPHNZ860	9	10/08/08	9	9	10/08/08	9	9
Z-87	20	ESFNZ870	11	10/06/08	11	11	10/06/08	11	11
Z-88	20	ENGNZ880	9	10/08/08	9	9	10/08/08	9	9
Z-89	20	ESFNZ890	10	10/06/08	10	10	10/06/08	10	10
Z-90	20	ENGNZ900	9	10/08/09	9	9	10/08/09	9	9
Z-91	20	ESFNZ910	10	10/06/08	10	10	10/06/08	10	10

Unit 1 100 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 / 058125**
Penetration / EQ IDs: **L3 / 1CZCNM02**
Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2371499	5/24/2001	171
2544206	3/19/2003	249
2684959	2/1/2005	1050
2807700	10/3/2005	1000
2855985	12/19/2005	1200
2792743	12/22/2005	1200
2875159	1/23/2007	2302
2928907	6/18/2009	546

Unit 1 140 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 / 058125**

Penetration / EQ IDs: **L1 / 1CZCNM01**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
849907	1/6/2000	1070
2455603	5/22/2002	1458
2577074	3/5/2004	344
2807693	9/13/2005	1002
2726930	12/21/2005	1202
2929349	10/3/2006	1402
2914710	3/25/2008	1522

Unit 1 42" Purge Supply LLRT

ST Procedure / SWMS RT: **73ST-9CL06 / 010675**

Penetration / EQ IDs: **56 / 1JCPBUV0003A (inboard); 1JCPAUV0002A (outboard)**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
226105	05/09/01	775
2467312	10/27/02	673
2577017	05/03/04	1946
2749099	12/17/05	2316
2882669	6/28/2006	1970
2926348	10/3/2006	2030
2861054	6/30/2007	10
3057606	11/11/2008	76

Unit 1 8" Power Access Purge LLRT

ST Procedure / SWMS RT: **73ST-9CL07 / 010676**

Penetration / EQ IDs: **78 (Supply) / 1JCPBUV0005A (inboard valve)**
1JCPAUV0004A (outboard valve)
79 (Exhaust) / 1JCPAUV0004B (inboard valve)
1JCPBUV0005B (outboard valve)

Acceptance Criteria: **≤ 0.01 La (2320 sccm)**

STWO #	Date	Pen 78	Pen 79
2455604	10/16/02	39	42
2473065	01/02/03	200(70)	200(168)
2475986	03/26/03	20(0)	20(0)
2488015	06/18/03	7.5	47.1
2523936	9/10/2003	20(19)	62
2547200	12/4/2003	70	28
2572256	2/25/2004	9	15
2591242	**4/15/2004**	13	20
2582436	7/14/2004	43	80
2602021	9/24/2004	30	78
2638795	11/3/2004	22	14
2746912	12/16/2004	82	N/A
2662553	1/26/2005	28	34
2696297	4/20/2005	55	52
2702080	7/13/2005	7	5
2702081	11/16/2005	84	34
2702082	1/10/2006	26	85
2727097	3/22/2006	36	22
2768315	**6/22/2006**	113	16
2768316	9/6/2006	90	17
2792658	11/29/2006	165	182
2853346	2/21/2007	70	6
2896363	**6/6/2007**	75	87
2891855	8/8/2007	35	19
2914605	11/8/2007	60	13
2976794	1/23/2008	36	13
2875189	4/16/2008	22	48
2985021	7/9/2008	6	6
3011537	11/6/2008	54	66
3089455	12/23/2008	29	41
3121791	3/18/2009	68	352
3141856	6/10/2009	17	4

Notes:

1 Units for flow rate are standard cubic centimeters per minute (sccm).

2 Test results are shown with indicated value, if applicable, in parentheses. For example, "200 (5)" means indicated flow was 5 sccm, but since the leak rate monitor that was used is not calibrated below 200 sccm, the low value of the calibrated range is reported as the test result.

Unit 1 42" Purge Exhaust LLRT

ST Procedure / SWMS RT: **73ST-9CL10 / 040355**

Penetration / EQ IDs: **57 / 1JCPAUV0002B (inboard); 1JCPBUV0003B (outboard)**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2455870	10/27/02	26
2577071	5/4/04	400
2753284	12/17/05	42
2882670	6/28/06	203
2926353	10/3/06	43
2896365	6/30/07	25
3057607	11/11/08	30

Attachment 5
to
Question 1.1(a)

ATTACHMENT 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Leakage Rate and Acceptance Criteria

Unit 2 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	20	07/27/00		20	07/27/00		
6	1000	DWEV062	130	07/27/00	20	130	07/27/00	130	20
	3000	FPEV089	7	10/06/00		7	10/06/00		
7	3000	FPEV090	28	03/19/02	7	28	03/19/02	28	7
	1500	RDAUV0023	20	08/03/00		12	04/06/02		
	1500	RDBUV0024	12	08/03/00		12	08/03/00		
9	500	RDBUV0407	12	08/03/00	12	12	08/03/00	12	12
	4000	SIAV164	98	10/19/00		97	04/04/02		
	3000	SIAUV0672	200	04/12/99		200	04/12/99		
21	1000	SIEV500	389	3/22/2002	98	180	4/4/2002	380	97
	4000	SIBV165	103	10/19/00		112	04/03/02		
	3000	SIBUV0671	859	10/26/00		859	10/26/00		
22	1000	SIEV501	522	4/3/2002	103	522	4/3/2002	1381	112
	500	HCBUV0044	2	03/31/99		2	03/31/99		
25A	500	HCAUV0045	3	03/31/99	2	3	03/31/99	3	2
	500	HCAUV0046	19	04/07/99		19	04/07/99		
25B	500	HCBUV0047	17	04/07/99	17	17	04/07/99	19	17
	1000	SIAUV0682	20	10/25/00		20	10/25/00		
	1000	SIEV463	6	04/13/99		6	04/13/99		
28	250	SIEPSV0474	6	04/05/99	6	133	04/04/02	153	6
	400	GAEV015	7.3	03/31/99		7.3	03/31/99		
29	400	GAAUV0002	3	03/31/99	3	3	03/31/99	8	3
	500	GAEV011	19.5	03/31/99		19.5	03/31/99		
30	500	GAAUV0001	110	03/31/99	20	110	03/31/99	110	20
	1000	IAEV021	95	10/18/00		95	10/18/00		
31	1000	IAAUV0002	90	10/18/00	90	90	10/18/00	95	90
	4000	NCEV118	69	04/15/99		69	04/15/99		
33	4000	NCBUV0401	20	10/11/00	20	20	10/11/00	69	20
	4000	NCAUV0402	90	04/05/99		90	04/05/99		
	4000	NCBUV0403	139	03/20/02		139	03/20/02		
34	250	NCEPSV0617	90	03/20/02	90	63	03/24/02	202	90
	1000	HPAUV0001	108	02/22/02		108	02/22/02		
	1000	HPAUV0003	88	10/12/00		88	10/12/00		
	500	HPAHV0007A	99	10/12/00		99	10/12/00		
35	250	HPAUV0024	117	10/12/00	108	117	10/12/00	205	108

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPBUV0002	58	10/24/00		58	10/24/00		
	1000	HPBUV0004	20	01/11/02		20	01/11/02		
36	500	HPBHV0008A	110	10/09/00	58	110	10/09/00	130	58
	1000	HPAV002	348	10/10/00		348	10/10/00		
	1000	HPAUV0005	22	03/20/02		22	03/20/02		
	500	HPAHV0007B	22	03/20/02		22	03/20/02		
38	250	HPAUV0023	22	03/20/02	22	22	03/20/02	348	22
	1000	HPBV004	20	10/10/00		20	10/10/00		
	1000	HPBUV0006	74	09/21/01		74	09/21/01		
39	500	HPBHV0008B	26	10/10/00	20	26	10/10/00	100	20
	1000	CHAUV0516	3	10/21/00		3	10/21/00		
	1000	CHBUV0523	10	10/21/00		19	04/03/02		
40	250	CHBUV0924	191	04/04/99	3	191	04/04/99	210	3
	1000	CHEVM70	7	04/02/99		7	04/02/99		
	750	CHAHV0524	20	03/22/02		20	03/30/02		
41	250	CHEV854	20	03/22/02	7	20	03/22/02	40	7
	1000	SSBUV0201	20	03/27/02		20	03/27/02		
42A	1000	SSAUV0204	51	03/27/02	20	51	03/27/02	51	20
	1000	SSBUV0202	268	03/26/02		268	03/26/02		
42B	1000	SSAUV0205	710	03/26/02	268	710	03/26/02	710	268
	1000	SSBUV0200	129	03/26/02		121	04/11/02		
42C	1000	SSAUV0203	1466	03/26/02	129	45	04/11/02	121	45
	500	CHBUV0505	24	04/19/99		24	04/19/99		
43	500	CHAUV0506	94	04/04/99	24	94	04/04/99	94	24
	1000	CHAUV0560	240	04/21/99		240	04/21/99		
44	1000	CHBUV0561	443	04/21/99	240	443	04/21/99	443	240
	500	CHNV494	9	04/13/99		9	04/13/99		
	500	CHAUV0580	29	10/27/00		29	10/27/00		
45	250	CHAUV0715	200	04/13/99	9	200	04/13/99	229	9
	1500	PCEV070	2	04/14/99		2	04/14/99		
50	1500	PCEV071	15.8	04/14/99	2	15.8	04/14/99	16	2
	1500	PCEV075	51	03/19/02		51	03/19/02		
51	1500	PCEV076	1065	03/19/02	51	1065	03/19/02	1065	51
	500	GRAUV0001	144	10/19/00		144	10/19/00		
52	500	GRBUV0002	155	10/13/00	144	155	10/13/00	155	144
53	500	PCEU53	7	11/05/01	4	25	04/13/02	25	13
58	20	CLEU58	20	11/2/2000	10	3	4/11/2002	3	2
	1500	IAEV072	165	07/20/00		165	07/20/00		
59	1500	IAEV073	68	04/11/02		68	04/11/02	165	68

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	120	04/14/99		124	03/29/02		
60	4000	WCBUV0063	20	10/17/00	20	20	10/17/00	124	20
	4000	WCBUV0061	20	10/20/00		20	10/20/00		
61	4000	WCAUV0062	290	10/17/00	20	682	03/31/02	682	20
62B	20	CLEU62B	3	10/27/00	2	3	10/27/00	3	2
62C	20	CLEU62C	2	10/27/00	1	2	10/27/00	2	1
	750	CHNV835	3	04/03/99		3	04/03/99		
72	750	CHBHV0255	34	03/21/02	3	63	03/25/02	63	3
L-2	240	ZCNM03	20	11/6/2001	10	3	4/14/2002	3	2
Electrical Penetrations									
Z-1	20	ENGNZ010	8	10/07/00	4	8	10/07/00	8	4
Z-2	20	ESFNZ020	8	10/07/00	4	8	10/07/00	8	4
Z-3	20	ENGNZ030	8	10/07/00	4	8	10/07/00	8	4
Z-4	20	ESFNZ040	8	10/07/00	4	8	10/07/00	8	4
Z-5	20	ENGNZ050	14	10/07/00	7	14	10/07/00	14	7
Z-6	20	ENHNZ060	8	10/07/00	4	8	10/07/00	8	4
Z-7	20	ENGNZ070	9	10/07/00	5	9	10/07/00	9	5
Z-8	20	ENHNZ080	9	10/07/00	5	9	10/07/00	9	5
Z-9	20	ENHNZ090	10	10/13/00	5	10	10/13/00	10	5
Z-10	20	ENHNZ100	13	10/08/00	7	13	10/08/00	13	7
Z-11	20	ENGNZ110	12	10/13/00	6	12	10/13/00	12	6
Z-12	20	ENHNZ120	13	10/08/00	7	13	10/08/00	13	7
Z-13	20	ENGNZ130	13	10/08/00	7	13	10/08/00	13	7
Z-14	20	EQFNZ140	13	10/08/00	7	13	10/08/00	13	7
Z-15	20	ENHNZ150	13	10/08/00	7	13	10/08/00	13	7
Z-16	20	ENHNZ160	13	10/08/00	7	13	10/08/00	13	7
Z-17	20	ENHNZ170	16	10/14/00	8	16	10/14/00	16	8
Z-18	20	ESFNZ180	2	10/20/00	1	2	04/01/02	2	1
Z-19	20	ENHNZ190	16	10/14/00	8	16	10/14/00	16	8
Z-20	20	ENHNZ200	16	10/14/00	8	16	10/14/00	16	8
Z-21	20	ENHNZ210	16	10/14/00	8	16	10/14/00	16	8
Z-22	20	ESFCZ220	16	10/14/00	8	16	10/14/00	16	8
Z-23	20	EPHCZ230	16	10/14/00	8	16	10/14/00	16	8
Z-24	20	EPHCZ240	2	11/02/00	1	2	04/10/02	2	1
Z-25	20	ESFCZ250	7	10/15/00	4	7	10/15/00	7	4
Z-26	20	ESFCZ260	7	10/15/00	4	7	10/15/00	7	4
Z-27	20	ESFCZ270	7	10/15/00	4	7	10/15/00	7	4
Z-28	20	ESACZ280	7	10/15/00	4	7	10/15/00	7	4
Z-29	20	EPHCZ290	7	10/15/00	4	7	10/15/00	7	4

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	7	10/15/00	4	7	10/15/00	7	4
Z-31	20	ENANZ310	2	10/21/00	1	2	10/21/00	2	1
Z-32	20	ENGNZ320	15	10/17/00	8	15	10/17/00	15	8
Z-33	20	ENANZ330	15	10/17/00	8	15	10/17/00	15	8
Z-34	20	EPHBZ340	7	10/15/00	4	7	10/15/00	7	4
Z-35	20	ERIBZ350	7	10/15/00	4	7	10/15/00	7	4
Z-36	20	ESEBZ360	7	10/15/00	4	7	10/15/00	7	4
Z-37	20	ESABZ370	7	10/15/00	4	7	10/15/00	7	4
Z-38	20	ESFBZ380	7	10/15/00	4	7	10/15/00	7	4
Z-39	20	EPHBZ390	7	10/15/00	4	7	10/15/00	7	4
Z-40	20	ERIBZ400	19	10/21/00	10	19	10/21/00	19	10
Z-41	20	EPHBZ410	3	10/21/00	2	3	10/21/00	3	2
Z-42	20	ESFBZ420	3	10/21/00	2	3	10/21/00	3	2
Z-43	20	EPHNZ430	19	10/21/00	10	19	10/21/00	19	10
Z-44	20	ENANZ440	3	10/20/00	2	3	10/20/00	3	2
Z-45	20	ENANZ450	3	10/20/00	2	3	10/20/00	3	2
Z-46	20	EPHAZ460	18	10/22/00	9	18	10/22/00	18	9
Z-47	20	ESAAZ470	18	10/22/00	9	18	10/22/00	18	9
Z-48	20	EPHAZ480	18	10/22/00	9	18	10/22/00	18	9
Z-49	20	ERIAZ490	18	10/22/00	9	18	10/22/00	18	9
Z-50	20	ESFAZ500	18	10/22/00	9	18	10/22/00	18	9
Z-51	20	ESEAZ510	18	10/22/00	9	18	10/22/00	18	9
Z-52	20	ERIAZ520	12	10/22/00	6	12	10/22/00	12	6
Z-53	20	EHCNZ530	12	10/22/00	6	12	10/22/00	12	6
Z-54	20	ENGNZ540	12	10/22/00	6	12	10/22/00	12	6
Z-55	20	ENHNZ550	12	10/22/00	6	12	10/22/00	12	6
Z-56	20	ESFNZ560	12	10/22/00	6	12	10/22/00	12	6
Z-57	20	EQFNZ570	12	10/22/00	6	12	10/22/00	12	6
Z-58	20	ESFNZ580	15	10/22/00	8	15	10/22/00	15	8
Z-59	20	ENHNZ590	15	10/22/00	8	15	10/22/00	15	8
Z-60	20	ENGNZ600	15	10/22/00	8	15	10/22/00	15	8
Z-61	20	ENHNZ610	15	10/22/00	8	15	10/22/00	15	8
Z-62	20	ENGNZ620	15	10/22/00	8	15	10/22/00	15	8
Z-63	20	ENHNZ630	15	10/22/00	8	15	10/22/00	15	8
Z-64	20	ESFNZ640	10	10/23/00	5	10	10/23/00	10	5
Z-65	20	ENHNZ650	10	10/23/00	5	10	10/23/00	10	5
Z-66	20	ESFNZ660	10	10/23/00	5	10	10/23/00	10	5
Z-67	20	ENHNZ670	10	10/23/00	5	10	10/23/00	10	5
Z-68	20	ENGNZ680	10	10/23/00	5	10	10/23/00	10	5

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	10	10/23/00	5	10	10/23/00	10	5
Z-70	20	ENANZ700	4	10/22/00	2	4	10/22/00	4	2
Z-71	20	ENGNZ710	10	10/23/00	5	10	10/23/00	10	5
Z-72	20	ESFNZ720	10	10/23/00	5	10	10/23/00	10	5
Z-73	20	ENHNZ730	2	11/02/00	1	2	11/02/00	2	1
Z-74	20	ESFNZ740	10	10/23/00	5	10	10/23/00	10	5
Z-75	20	ESENZ750	10	10/23/00	5	10	10/23/00	10	5
Z-76	20	ESFNZ760	8	10/23/00	5	8	10/23/00	10	5
Z-77	20	ESFDZ770	8	10/23/00	4	8	10/23/00	8	4
Z-78	20	ESFDZ780	8	10/23/00	4	8	10/23/00	8	4
Z-79	20	ERIDZ790	8	10/23/00	4	8	10/23/00	8	4
Z-80	20	ESFNZ800	8	10/23/00	4	8	10/23/00	8	4
Z-81	20	ESADZ810	8	10/23/00	4	8	10/23/00	8	4
Z-82	20	ESFNZ820	8	10/23/00	4	8	10/23/00	8	4
Z-83	20	ESFDZ830	14	10/23/00	7	14	10/23/00	14	7
Z-84	20	ESFNZ840	14	10/23/00	7	14	10/23/00	14	7
Z-85	20	ESADZ850	14	10/23/00	7	14	10/23/00	14	7
Z-86	20	EPHNZ860	14	10/23/00	7	14	10/23/00	14	7
Z-87	20	ESFNZ870	14	10/23/00	7	14	10/23/00	14	7
Z-88	20	ENGNZ880	14	10/23/00	7	14	10/23/00	14	7
Z-89	20	ESFNZ890	14	10/23/00	7	14	10/23/00	14	7
Z-90	20	ENGNZ900	14	10/23/00	7	14	10/23/00	14	7
Z-91	20	ESFNZ910	14	10/23/00	7	14	10/23/00	14	7

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Leakage Rate and Acceptance Criteria

Unit 2 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	53	11/17/03		53	11/17/03		
6	1000	DWEV062	359	11/17/03	53	359	11/17/03	359	53
	3000	FPEV089	255	09/28/03		255	09/28/03		
7	3000	FPEV090	27	03/19/02	27	27	03/19/02	255	27
	1500	RDAUV0023	20	10/22/03		20	10/22/03		
	1500	RDBUV0024	20	10/22/03		20	10/22/03		
9	500	RDBUV0407	20	10/22/03	20	20	10/22/03	20	20
21	4000	SIAV164	103	04/04/02	103	103	04/04/02	103	103
22	4000	SIBV165	108	04/03/02	108	108	04/03/02	108	108
	500	HCBUV0044	20	10/12/03		20	10/12/03		
25A	500	HCAUV0045	20	10/12/03	20	20	10/12/03	20	20
	500	HCAUV0046	20	10/12/03		20	10/12/03		
25B	500	HCBUV0047	20	10/12/03	20	20	10/12/03	20	20
	1000	SIAUV0682	67	10/17/03		67	10/17/03		
	1000	SIEV463	21	10/17/03		21	10/17/03		
28	250	SIEPSV0474	21	10/17/03	21	21	10/17/03	88	21
	400	GAEV015	160	11/13/03		160	11/13/03		
29	400	GAAUV0002	141	11/13/03	141	141	11/13/03	160	141
	500	GAEV011	20	10/30/03		20	10/30/03		
30	500	GAAUV0001	105	10/30/03	20	105	10/30/03	105	20
	1000	IAEV021	81	10/29/03		81	10/29/03		
31	1000	IAAUV0002	25	10/28/03	25	25	10/29/03	81	25
	4000	NCEV118	115	10/27/03		115	10/27/03		
33	4000	NCBUV0401	20	10/27/03	20	20	10/27/03	115	20
	4000	NCAUV0402	147	10/27/03		147	10/27/03		
	4000	NCBUV0403	132	10/27/03		132	10/27/03		
34	250	NCEPSV0617	147	10/27/03	147	147	10/27/03	279	147
	1000	HPAUV0001	443	11/06/03		443	11/06/03		
	1000	HPAUV0003	61	10/30/03		61	10/30/03		
	500	HPAHV0007A	61	10/30/03		61	10/30/03		
35	250	HPAUV0024	162	10/30/03	223	162	10/30/03	443	223
	1000	HPBUV0002	95	11/04/03		95	11/04/03		
	1000	HPBUV0004	6	11/05/03		6	11/05/03		
36	500	HPBHV0008A	6	11/05/03	6	6	11/05/03	95	6

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
	1000	HPAV002	68	11/07/03		68	11/07/03		
	1000	HPAUV0005	37	11/07/03		37	11/07/03		
	500	HPAHV0007B	20	03/21/02		20	03/21/02		
38	250	HPAUV0023	20	03/21/02	57	20	03/21/02	68	57
	1000	HPBV004	20	11/03/03		20	11/03/03		
	1000	HPBUV0006	20	11/03/03		20	11/03/03		
39	500	HPBHV0008B	20	11/03/03	20	20	11/03/03	20	20
	1000	CHAUV0516	20	11/06/03		182	11/15/03		
	1000	CHBUV0523	98	10/07/03		210	11/15/03		
40	250	CHBUV0924	12300	10/07/03	20	210	11/15/03	210	182
	1000	CHEVM70	20	10/05/03		20	10/05/03		
	750	CHAHV0524	14	10/05/03		98	11/13/03		
41	250	CHEV854	22	03/22/02	20	98	11/13/03	98	20
	1000	SSBUV0201	20	10/16/03		20	10/16/03		
42A	1000	SSAUV0204	20	10/16/03	20	20	10/16/03	20	20
	1000	SSBUV0202	538	10/16/03		538	10/16/03		
42B	1000	SSAUV0205	420	10/16/03	420	420	10/16/03	538	420
	1000	SSBUV0200	310	10/20/03		310	10/20/03		
42C	1000	SSAUV0203	321	10/20/03	310	321	10/20/03	321	310
	500	CHBUV0505	316	10/11/03		316	10/11/03		
43	500	CHAUV0506	23	10/11/03	23	23	10/11/03	316	23
	1000	CHAUV0560	37	10/15/03		37	10/15/03		
44	1000	CHBUV0561	130	10/15/03	37	130	10/15/03	130	37
	500	CHNV494	42	10/14/03		42	10/14/03		
	500	CHAUV0580	133	10/14/03		265	11/07/03		
45	250	CHAUV0715	133	10/14/03	42	133	10/14/03	398	42
	1500	PCEV070	140	10/12/03		140	10/12/03		
50	1500	PCEV071	185	10/12/03	140	185	10/12/03	185	140
	1500	PCEV075	51	03/19/02		51	03/19/02		
51	1500	PCEV076	1180	03/19/02	51	1180	03/19/02	1180	51
	500	GRAUV0001	151	10/13/03		171	11/21/03		
52	500	GRBUV0002	560	10/13/03	151	66	11/20/03	171	66
53	500	PCEU53	25	04/13/02	13	20	12/03/03	20	10
58	20	CLEU58	3	04/11/02	2	2	12/05/03	2	1
	1500	IAEV072	171	11/10/03		171	11/10/03		
59	1500	IAEV073	72	04/11/02	72	72	04/11/02	171	72
	4000	WCEV039	136	03/30/02		136	03/30/02		
60	4000	WCBUV0063	146	10/21/03	136	4	10/23/03	136	4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	20	10/21/03		15	10/23/03		
61	4000	WCAUV0062	569	10/21/03	20	479	10/23/03	479	15
62B	20	CLEU62B	2	11/26/03	1	2	11/26/03	2	1
62C	20	CLEU62C	2	11/26/03	1	2	11/26/03	2	1
	750	CHNV835	434	10/03/03		434	10/03/03		
72	750	CHBHV0255	2	10/04/03	2	20	11/03/03	434	20
L-2	240	ZCNM03	3	4/14/2002	2	200	12/6/2003	200	100
Electrical Penetrations									
Z-1	20	ENGNZ010	8	10/07/00	4	8	10/07/00	8	4
Z-2	20	ESFNZ020	8	10/07/00	4	8	10/07/00	8	4
Z-3	20	ENGNZ030	8	10/07/00	4	8	10/07/00	8	4
Z-4	20	ESFNZ040	8	10/07/00	4	8	10/07/00	8	4
Z-5	20	ENGNZ050	14	10/07/00	7	14	10/07/00	14	7
Z-6	20	ENHNZ060	8	10/07/00	4	8	10/07/00	8	4
Z-7	20	ENGNZ070	9	10/07/00	5	9	10/07/00	9	5
Z-8	20	ENHNZ080	9	10/07/00	5	9	10/07/00	9	5
Z-9	20	ENHNZ090	10	10/13/00	5	10	10/13/00	10	5
Z-10	20	ENHNZ100	13	10/08/00	7	13	10/08/00	13	7
Z-11	20	ENGNZ110	12	10/13/00	6	12	10/13/00	12	6
Z-12	20	ENHNZ120	13	10/08/00	7	13	10/08/00	13	7
Z-13	20	ENGNZ130	13	10/08/00	7	13	10/08/00	13	7
Z-14	20	EQFNZ140	13	10/08/00	7	13	10/08/00	13	7
Z-15	20	ENHNZ150	13	10/08/00	7	13	10/08/00	13	7
Z-16	20	ENHNZ160	13	10/08/00	7	13	10/08/00	13	7
Z-17	20	ENHNZ170	16	10/14/00	8	16	10/14/00	16	8
Z-18	20	ESFNZ180	2	04/01/02	1	2	04/01/02	2	1
Z-19	20	ENHNZ190	16	10/14/00	8	16	10/14/00	16	8
Z-20	20	ENHNZ200	16	10/14/00	8	16	10/14/00	16	8
Z-21	20	ENHNZ210	16	10/14/00	8	16	10/14/00	16	8
Z-22	20	ESFCZ220	16	10/14/00	8	16	10/14/00	16	8
Z-23	20	EPHCZ230	16	10/14/00	8	16	10/14/00	16	8
Z-24	20	EPHCZ240	2	04/10/02	1	2	04/10/02	2	1
Z-25	20	ESFCZ250	7	10/15/00	4	7	10/15/00	7	4
Z-26	20	ESFCZ260	7	10/15/00	4	7	10/15/00	7	4
Z-27	20	ESFCZ270	7	10/15/00	4	7	10/15/00	7	4
Z-28	20	ESACZ280	7	10/15/00	4	7	10/15/00	7	4
Z-29	20	EPHCZ290	7	10/15/00	4	7	10/15/00	7	4
Z-30	20	ERICZ300	7	10/15/00	4	7	10/15/00	7	4
Z-31	20	ENANZ310	2	10/21/00	1	2	10/21/00	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	15	10/17/00	8	15	10/17/00	15	8
Z-33	20	ENANZ330	15	10/17/00	8	2	12/04/03	2	1
Z-34	20	EPHBZ340	7	10/15/00	4	2	11/20/03	2	1
Z-35	20	ERIBZ350	7	10/15/00	4	7	10/15/00	7	4
Z-36	20	ESEBZ360	7	10/15/00	4	7	10/15/00	7	4
Z-37	20	ESABZ370	7	10/15/00	4	7	10/15/00	7	4
Z-38	20	ESFBZ380	7	10/15/00	4	7	10/15/00	7	4
Z-39	20	EPHBZ390	7	10/15/00	4	2	11/20/03	2	1
Z-40	20	ERIBZ400	19	10/21/00	10	19	10/21/00	19	10
Z-41	20	EPHBZ410	3	10/21/00	2	3	10/21/00	3	2
Z-42	20	ESFBZ420	3	10/21/00	2	2	11/20/03	2	1
Z-43	20	EPHNZ430	19	10/21/00	10	19	10/21/00	19	10
Z-44	20	ENANZ440	3	10/20/00	2	3	10/20/00	3	2
Z-45	20	ENANZ450	3	10/20/00	2	3	10/20/00	3	2
Z-46	20	EPHAZ460	18	10/22/00	9	18	10/22/00	18	9
Z-47	20	ESAAZ470	18	10/22/00	9	18	10/22/00	18	9
Z-48	20	EPHAZ480	18	10/22/00	9	18	10/22/00	18	9
Z-49	20	ERIAZ490	18	10/22/00	9	18	10/22/00	18	9
Z-50	20	ESFAZ500	18	10/22/00	9	18	10/22/00	18	9
Z-51	20	ESEAZ510	18	10/22/00	9	18	10/22/00	18	9
Z-52	20	ERIAZ520	12	10/22/00	6	12	10/22/00	12	6
Z-53	20	EHCNZ530	12	10/22/00	6	12	10/22/00	12	6
Z-54	20	ENGNZ540	12	10/22/00	6	12	10/22/00	12	6
Z-55	20	ENHNZ550	12	10/22/00	6	12	10/22/00	12	6
Z-56	20	ESFNZ560	12	10/22/00	6	12	10/22/00	12	6
Z-57	20	EQFNZ570	12	10/22/00	6	12	10/22/00	12	6
Z-58	20	ESFNZ580	15	10/22/00	8	15	10/22/00	15	8
Z-59	20	ENHNZ590	15	10/22/00	8	15	10/22/00	15	8
Z-60	20	ENGNZ600	15	10/22/00	8	15	10/22/00	15	8
Z-61	20	ENHNZ610	15	10/22/00	8	15	10/22/00	15	8
Z-62	20	ENGNZ620	15	10/22/00	8	15	10/22/00	15	8
Z-63	20	ENHNZ630	15	10/22/00	8	15	10/22/00	15	8
Z-64	20	ESFNZ640	10	10/23/00	5	10	10/23/00	10	5
Z-65	20	ENHNZ650	10	10/23/00	5	10	10/23/00	10	5
Z-66	20	ESFNZ660	10	10/23/00	5	10	10/23/00	10	5
Z-67	20	ENHNZ670	10	10/23/00	5	10	10/23/00	10	5
Z-68	20	ENGNZ680	10	10/23/00	5	10	10/23/00	10	5
Z-69	20	ENGNZ690	10	10/23/00	5	10	10/23/00	10	5
Z-70	20	ENANZ700	4	10/22/00	2	4	10/22/00	4	2

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	10	10/23/00	5	10	10/23/00	10	5
Z-72	20	ESFNZ720	10	10/23/00	5	10	10/23/00	10	5
Z-73	20	ENHNZ730	2	11/02/00	1	2	11/02/00	2	1
Z-74	20	ESFNZ740	10	10/23/00	5	10	10/23/00	10	5
Z-75	20	ESENZ750	10	10/23/00	5	10	10/23/00	10	5
Z-76	20	ESFNZ760	8	10/23/00	5	8	10/23/00	10	5
Z-77	20	ESFDZ770	8	10/23/00	4	8	10/23/00	8	4
Z-78	20	ESFDZ780	8	10/23/00	4	8	10/23/00	8	4
Z-79	20	ERIDZ790	8	10/23/00	4	8	10/23/00	8	4
Z-80	20	ESFNZ800	8	10/23/00	4	8	10/23/00	8	4
Z-81	20	ESADZ810	8	10/23/00	4	8	10/23/00	8	4
Z-82	20	ESFNZ820	8	10/23/00	4	8	10/23/00	8	4
Z-83	20	ESFDZ830	14	10/23/00	7	14	10/23/00	14	7
Z-84	20	ESFNZ840	14	10/23/00	7	14	10/23/00	14	7
Z-85	20	ESADZ850	14	10/23/00	7	14	10/23/00	14	7
Z-86	20	EPHNZ860	14	10/23/00	7	14	10/23/00	14	7
Z-87	20	ESFNZ870	14	10/23/00	7	14	10/23/00	14	7
Z-88	20	ENGNZ880	14	10/23/00	7	14	10/23/00	14	7
Z-89	20	ESFNZ890	14	10/23/00	7	14	10/23/00	14	7
Z-90	20	ENGNZ900	14	10/23/00	7	14	10/23/00	14	7
Z-91	20	ESFNZ910	14	10/23/00	7	14	10/23/00	14	7

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Leakage Rate and Acceptance Criteria

Unit 2 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	53	11/17/03		53	11/17/03		
6	1000	DWEV062	359	11/17/03	53	359	11/17/03	359	53
	3000	FPEV089	255	09/28/03		255	09/28/03		
7	3000	FPEV090	27	03/19/02	27	27	03/19/02	255	27
	1500	RDAUV0023	20	10/22/03		20	10/22/03		
	1500	RDBUV0024	20	10/22/03		650	05/06/05		
9	500	RDBUV0407	20	10/22/03	20	20	10/22/03	670	20
21	4000	SIAV164	745	04/16/05	745	745	04/16/05	745	745
22	4000	SIBV165	430	05/02/05	430	430	05/02/05	430	430
	500	HCBUV0044	20	10/12/03		20	10/12/03		
25A	500	HCAUV0045	20	10/12/03	20	20	10/12/03	20	20
	500	HCAUV0046	20	10/12/03		20	10/12/03		
25B	500	HCBUV0047	20	10/12/03	20	20	10/12/03	20	20
	1000	SIAUV0682	67	10/17/03		20	04/18/05		
	1000	SIEV463	21	10/17/03		21	10/17/03		
28	250	SIEPSV0474	21	10/17/03	21	21	10/17/03	21	20
	400	GAEV015	160	11/13/03		160	11/13/03		
29	400	GAAUV0002	141	11/13/03	141	141	11/13/03	160	141
	500	GAEV011	20	10/30/03		20	10/30/03		
30	500	GAAUV0001	105	10/30/03	20	105	10/30/03	105	20
	1000	IAEV021	81	10/29/03		81	10/29/03		
31	1000	IAAUV0002	25	10/29/03	25	25	10/29/03	81	25
	4000	NCEV118	115	10/27/03		115	10/27/03		
33	4000	NCBUV0401	20	10/27/03	20	20	10/27/03	115	20
	4000	NCAUV0402	147	10/27/03		51	04/20/05		
	4000	NCBUV0403	286	04/15/05		286	04/15/05		
34	250	NCEPSV0617	147	10/27/03	147	51	04/20/05	337	51
	1000	HPAUV0001	443	11/06/03		443	11/06/03		
	1000	HPAUV0003	61	10/30/03		61	10/30/03		
	500	HPAHV0007A	61	10/30/03		61	10/30/03		
35	250	HPAUV0024	162	10/30/03	223	162	10/30/03	443	223
	1000	HPBUV0002	27	01/06/05		27	01/06/05		
	1000	HPBUV0004	12	12/29/04		12	12/29/04		
36	500	HPBHV0008A	12	12/29/04	12	12	12/29/04	27	12

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
	1000	HPAV002	68	11/07/03		68	11/07/03		
	1000	HPAUV0005	105	04/21/05		105	04/21/05		
	500	HPAHV0007B	20	03/21/02		20	03/21/02		
38	250	HPAUV0023	20	03/21/02	68	20	03/21/02	125	68
	1000	HPBV004	20	11/03/03		20	11/03/03		
	1000	HPBUV0006	20	11/03/03		5	05/03/05		
39	500	HPBHV0008B	20	11/03/03	20	20	11/03/03	25	20
	1000	CHAUV0516	182	11/15/03		182	11/15/03		
	1000	CHBUV0523	210	11/15/03		2	04/28/05		
40	250	CHBUV0924	845	04/12/05	182	845	04/12/05	847	182
	1000	CHEVM70	20	10/05/03		20	10/05/03		
	750	CHAHV0524	98	11/13/03		98	11/13/03		
41	250	CHEV854	98	11/13/03	20	98	11/13/03	98	20
	1000	SSBUV0201	32	04/13/05		32	04/13/05		
42A	1000	SSAUV0204	90	04/13/05	32	90	04/13/05	90	32
	1000	SSBUV0202	550	04/15/05		550	04/15/05		
42B	1000	SSAUV0205	885	04/15/05	550	885	04/15/05	885	550
	1000	SSBUV0200	325	04/14/05		325	04/14/05		
42C	1000	SSAUV0203	365	04/14/05	325	365	04/14/05	365	325
	500	CHBUV0505	316	10/11/03		316	10/11/03		
43	500	CHAUV0506	23	10/11/03	23	106	05/02/05	316	106
	1000	CHAUV0560	37	10/15/03		37	10/15/03		
44	1000	CHBUV0561	130	10/15/03	37	130	10/15/03	130	37
	500	CHNV494	42	10/14/03		42	10/14/03		
	500	CHAUV0580	265	11/07/03		265	11/07/03		
45	250	CHAUV0715	133	10/14/03	42	133	10/14/03	398	42
	1500	PCEV070	140	10/12/03		140	10/12/03		
50	1500	PCEV071	185	10/12/03	140	185	10/12/03	185	140
	1500	PCEV075	51	03/19/02		51	03/19/02		
51	1500	PCEV076	1180	03/19/02	51	1180	03/19/02	1180	51
	500	GRAUV0001	171	11/21/03		171	11/21/03		
52	500	GRBUV0002	204	04/20/05	171	204	04/20/05	204	171
53	500	PCEU53	20	04/03/05	10	2	05/13/05	2	1
58	20	CLEU58	2	04/02/05	1	2	05/11/05	2	1
	1500	IAEV072	171	11/10/03		171	11/10/03		
59	1500	IAEV073	18	04/03/05	18	18	04/03/05	171	18
	4000	WCEV039	136	03/30/02		136	03/30/02		
60	4000	WCBUV0063	4	10/23/03	4	4	10/23/03	136	4

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	15	10/23/03		15	10/23/03		
61	4000	WCAUV0062	479	10/23/03	15	513	04/21/05	513	15
62B	20	CLEU62B	2	11/26/03	1	2	05/09/05	2	1
62C	20	CLEU62C	2	11/26/03	1	2	11/26/03	2	1
	750	CHNV835	434	10/03/03		434	10/03/03		
72	750	CHBHV0255	20	11/03/03	20	20	11/03/03	434	20
L-2	240	ZCNM03	200	12/6/2003	100	2	5/13/2005	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	8	10/07/00	4	8	10/07/00	8	4
Z-2	20	ESFNZ020	8	10/07/00	4	8	10/07/00	8	4
Z-3	20	ENGNZ030	8	10/07/00	4	8	10/07/00	8	4
Z-4	20	ESFNZ040	8	10/07/00	4	8	10/07/00	8	4
Z-5	20	ENGNZ050	14	10/07/00	7	14	10/07/00	14	7
Z-6	20	ENHNZ060	8	10/07/00	4	8	10/07/00	8	4
Z-7	20	ENGNZ070	9	10/07/00	5	9	10/07/00	9	5
Z-8	20	ENHNZ080	9	10/07/00	5	9	10/07/00	9	5
Z-9	20	ENHNZ090	10	10/13/00	5	10	10/13/00	10	5
Z-10	20	ENHNZ100	13	10/08/00	7	13	10/08/00	13	7
Z-11	20	ENGNZ110	12	10/13/00	6	12	10/13/00	12	6
Z-12	20	ENHNZ120	13	10/08/00	7	13	10/08/00	13	7
Z-13	20	ENGNZ130	13	10/08/00	7	13	10/08/00	13	7
Z-14	20	EQFNZ140	13	10/08/00	7	13	10/08/00	13	7
Z-15	20	ENHNZ150	13	10/08/00	7	13	10/08/00	13	7
Z-16	20	ENHNZ160	13	10/08/00	7	13	10/08/00	13	7
Z-17	20	ENHNZ170	16	10/14/00	8	16	10/14/00	16	8
Z-18	20	ESFNZ180	2	04/01/02	1	2	05/10/05	2	1
Z-19	20	ENHNZ190	16	10/14/00	8	16	10/14/00	16	8
Z-20	20	ENHNZ200	16	10/14/00	8	16	10/14/00	16	8
Z-21	20	ENHNZ210	16	10/14/00	8	16	10/14/00	16	8
Z-22	20	ESFCZ220	16	10/14/00	8	16	10/14/00	16	8
Z-23	20	EPHCZ230	16	10/14/00	8	16	10/14/00	16	8
Z-24	20	EPHCZ240	20	04/02/05	10	2	05/10/05	2	1
Z-25	20	ESFCZ250	7	10/15/00	4	7	10/15/00	7	4
Z-26	20	ESFCZ260	7	10/15/00	4	7	10/15/00	7	4
Z-27	20	ESFCZ270	7	10/15/00	4	7	10/15/00	7	4
Z-28	20	ESACZ280	7	10/15/00	4	7	10/15/00	7	4
Z-29	20	EPHCZ290	7	10/15/00	4	7	10/15/00	7	4
Z-30	20	ERICZ300	7	10/15/00	4	7	10/15/00	7	4
Z-31	20	ENANZ310	2	10/21/00	1	2	10/21/00	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	15	10/17/00	8	15	10/17/00	15	8
Z-33	20	ENANZ330	2	12/04/03	1	2	12/04/03	2	1
Z-34	20	EPHBZ340	2	11/20/03	1	2	11/20/03	2	1
Z-35	20	ERIBZ350	7	10/15/00	4	7	10/15/00	7	4
Z-36	20	ESEBZ360	7	10/15/00	4	7	10/15/00	7	4
Z-37	20	ESABZ370	7	10/15/00	4	7	10/15/00	7	4
Z-38	20	ESFBZ380	7	10/15/00	4	7	10/15/00	7	4
Z-39	20	EPHBZ390	2	11/20/03	1	2	11/20/03	2	1
Z-40	20	ERIBZ400	19	10/21/00	10	19	10/21/00	19	10
Z-41	20	EPHBZ410	3	10/21/00	2	3	10/21/00	3	2
Z-42	20	ESFBZ420	2	11/20/03	1	2	11/20/03	2	1
Z-43	20	EPHNZ430	19	10/21/00	10	19	10/21/00	19	10
Z-44	20	ENANZ440	3	10/20/00	2	3	10/20/00	3	2
Z-45	20	ENANZ450	3	10/20/00	2	3	10/20/00	3	2
Z-46	20	EPHAZ460	18	10/22/00	9	18	10/22/00	18	9
Z-47	20	ESAAZ470	18	10/22/00	9	18	10/22/00	18	9
Z-48	20	EPHAZ480	18	10/22/00	9	18	10/22/00	18	9
Z-49	20	ERIAZ490	18	10/22/00	9	18	10/22/00	18	9
Z-50	20	ESFAZ500	18	10/22/00	9	18	10/22/00	18	9
Z-51	20	ESEAZ510	18	10/22/00	9	18	10/22/00	18	9
Z-52	20	ERIAZ520	12	10/22/00	6	12	10/22/00	12	6
Z-53	20	EHCNZ530	12	10/22/00	6	12	10/22/00	12	6
Z-54	20	ENGNZ540	12	10/22/00	6	12	10/22/00	12	6
Z-55	20	ENHNZ550	12	10/22/00	6	12	10/22/00	12	6
Z-56	20	ESFNZ560	12	10/22/00	6	12	10/22/00	12	6
Z-57	20	EQFNZ570	12	10/22/00	6	12	10/22/00	12	6
Z-58	20	ESFNZ580	15	10/22/00	8	15	10/22/00	15	8
Z-59	20	ENHNZ590	15	10/22/00	8	15	10/22/00	15	8
Z-60	20	ENGNZ600	15	10/22/00	8	15	10/22/00	15	8
Z-61	20	ENHNZ610	15	10/22/00	8	15	10/22/00	15	8
Z-62	20	ENGNZ620	15	10/22/00	8	15	10/22/00	15	8
Z-63	20	ENHNZ630	15	10/22/00	8	15	10/22/00	15	8
Z-64	20	ESFNZ640	10	10/23/00	5	10	10/23/00	10	5
Z-65	20	ENHNZ650	10	10/23/00	5	10	10/23/00	10	5
Z-66	20	ESFNZ660	10	10/23/00	5	10	10/23/00	10	5
Z-67	20	ENHNZ670	10	10/23/00	5	10	10/23/00	10	5
Z-68	20	ENGNZ680	10	10/23/00	5	10	10/23/00	10	5
Z-69	20	ENGNZ690	10	10/23/00	5	10	10/23/00	10	5
Z-70	20	ENANZ700	4	10/22/00	2	4	10/22/00	4	2

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	10	10/23/00	5	10	10/23/00	10	5
Z-72	20	ESFNZ720	10	10/23/00	5	10	10/23/00	10	5
Z-73	20	ENHNZ730	2	11/02/00	1	2	11/02/00	2	1
Z-74	20	ESFNZ740	10	10/23/00	5	10	10/23/00	10	5
Z-75	20	ESENZ750	10	10/23/00	5	10	10/23/00	10	5
Z-76	20	ESFNZ760	8	10/23/00	5	8	10/23/00	10	5
Z-77	20	ESFDZ770	8	10/23/00	4	8	10/23/00	8	4
Z-78	20	ESFDZ780	8	10/23/00	4	8	10/23/00	8	4
Z-79	20	ERIDZ790	8	10/23/00	4	8	10/23/00	8	4
Z-80	20	ESFNZ800	8	10/23/00	4	8	10/23/00	8	4
Z-81	20	ESADZ810	8	10/23/00	4	8	10/23/00	8	4
Z-82	20	ESFNZ820	8	10/23/00	4	8	10/23/00	8	4
Z-83	20	ESFDZ830	14	10/23/00	7	14	10/23/00	14	7
Z-84	20	ESFNZ840	14	10/23/00	7	14	10/23/00	14	7
Z-85	20	ESADZ850	14	10/23/00	7	14	10/23/00	14	7
Z-86	20	EPHNZ860	14	10/23/00	7	14	10/23/00	14	7
Z-87	20	ESFNZ870	14	10/23/00	7	14	10/23/00	14	7
Z-88	20	ENGNZ880	14	10/23/00	7	14	10/23/00	14	7
Z-89	20	ESFNZ890	14	10/23/00	7	14	10/23/00	14	7
Z-90	20	ENGNZ900	14	10/23/00	7	14	10/23/00	14	7
Z-91	20	ESFNZ910	14	10/23/00	7	14	10/23/00	14	7

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Leakage Rate and Acceptance Criteria

Unit 2 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	53	11/17/03		53	11/17/03		
6	1000	DWEV062	359	11/17/03	53	359	11/17/03	359	53
	3000	FPEV089	255	09/28/03		255	09/28/03		
7	3000	FPEV090	2	10/03/06	2	135	10/23/06	255	135
	1500	RDAUV0023	20	10/22/03		20	10/22/03		
	1500	RDBUV0024	650	05/06/05		650	05/06/05		
9	1500	RDBUV0407	20	10/22/03	20	20	10/22/03	670	20
21	4000	SIAV164	745	04/16/05	745	745	04/16/05	745	745
22	4000	SIBV165	430	05/02/05	430	430	05/02/05	430	430
	500	HCBUV0044	20	10/12/03		20	10/12/03		
25A	500	HCAUV0045	20	10/12/03	20	20	10/12/03	20	20
	500	HCAUV0046	20	10/12/03		20	10/12/03		
25B	500	HCBUV0047	20	10/12/03	20	20	10/12/03	20	20
	1000	SIAUV0682	20	04/18/05		20	04/18/05		
	1000	SIEV463	21	10/17/03		21	10/17/03		
28	250	SIEPSV0474	21	10/17/03	21	21	10/17/03	21	20
	400	GAEV015	160	11/13/03		160	11/13/03		
29	400	GAAUV0002	141	11/13/03	141	141	11/13/03	160	141
	500	GAEV011	20	10/30/03		20	10/30/03		
30	500	GAAUV0001	105	10/30/03	20	105	10/30/03	105	20
	1000	IAEV021	81	10/29/03		81	10/29/03		
31	1000	IAAUV0002	25	10/29/03	25	25	10/29/03	81	25
	4000	NCEV118	115	10/27/03		115	10/27/03		
33	4000	NCBUV0401	115	10/22/06	115	52	10/27/06	115	52
	4000	NCAUV0402	863	10/22/06		863	10/22/06		
	4000	NCBUV0403	108	10/22/06		108	10/22/06		
34	1000	NCEPSV0617	863	10/22/06	486	101	11/01/06	863	209
	1000	HPAUV0001	180	09/01/06		180	09/01/06		
	1000	HPAUV0003	90	08/25/06		90	08/25/06		
	500	HPAHV0007A	90	08/25/06		90	08/25/06		
35	500	HPAUV0024	162	10/30/03	180	162	10/30/03	252	180
	1000	HPBUV0002	40	10/31/05		40	10/31/05		
	1000	HPBUV0004	20	11/04/05		20	11/04/05		
36	500	HPBHV0008A	12	12/29/04	12	12	12/29/04	40	12

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	3	10/19/06		35	10/21/06		
	1000	HPAUV0005	30	06/29/06		30	06/29/06		
	500	HPAHV0007B	15	10/19/06		15	10/19/06		
38	250	HPAUV0023	15	10/19/06	3	15	10/19/06	45	35
	1000	HPBV004	20	11/03/03		20	11/03/03		
	1000	HPBUV0006	5	05/03/05		5	05/03/05		
39	500	HPBHV0008B	20	11/03/03	20	20	11/03/03	25	20
	1000	CHAUV0516	230	10/12/06		20	10/24/06		
	1000	CHBUV0523	232	10/12/06		67	10/25/06		
40	1000	CHBUV0924	232	10/12/06	230	67	10/25/06	67	20
	1000	CHEVM70	20	10/05/03		20	10/05/03		
	750	CHAHV0524	147	10/07/06		95	10/21/06		
41	750	CHEV854	147	10/07/06	20	95	10/21/06	95	20
	1000	SSBUV0201	32	04/13/05		32	04/13/05		
42A	1000	SSAUV0204	90	04/13/05	32	90	04/13/05	90	32
	1000	SSBUV0202	550	04/15/05		550	04/15/05		
42B	1000	SSAUV0205	1126	10/27/06	550	1126	10/27/06	1126	550
	1000	SSBUV0200	238	10/28/06		238	10/28/06		
42C	1000	SSAUV0203	144	10/28/06	144	144	10/28/06	238	144
	500	CHBUV0505	20	10/07/06		20	10/13/06		
43	500	CHAUV0506	106	05/02/05	20	106	05/02/05	106	20
	1000	CHAUV0560	37	10/15/03		37	10/15/03		
44	1000	CHBUV0561	130	10/15/03	37	130	10/15/03	130	37
	500	CHNV494	42	10/14/03		42	10/14/03		
	500	CHAUV0580	265	11/07/03		265	11/07/03		
45	250	CHAUV0715	133	10/14/03	42	133	10/14/03	398	42
	1500	PCEV070	140	10/12/03		140	10/12/03		
50	1500	PCEV071	185	10/12/03	140	185	10/12/03	185	140
	1500	PCEV075	190	11/04/06		190	11/04/06		
51	1500	PCEV076	70	11/04/06	70	70	11/04/06	190	70
	500	GRAUV0001	245	10/19/06		238	11/01/06		
52	500	GRBUV0002	320	10/19/06	245	320	10/19/06	320	238
53	500	PCEU53	2	05/13/05	1	5	11/06/06	5	3
58	20	CLEU58	2	05/11/05	1	11	11/05/06	11	6
	1500	IAEV072	171	11/10/03		171	11/10/03		
59	1500	IAEV073	194	11/06/06	171	522	11/06/06	522	171
	4000	WCEV039	12	10/16/06		12	10/16/06		
60	4000	WCBUV0063	29	10/16/06	12	29	10/16/06	29	12

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	15	10/15/06		15	10/15/06		
61	4000	WCAUV0062	4	10/15/06	4	1958	10/18/06	1958	15
62B	20	CLEU62B	2	05/09/05	1	2	10/16/06	2	1
62C	20	CLEU62C	2	11/26/03	1	3	10/16/06	3	2
	750	CHNV835	2	10/05/06		17	10/22/06		
72	750	CHBHV0255	23	10/05/06	2	73	10/22/06	73	17
L-2	240	ZCNM03	2	05/13/05	1	2	11/7/06	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	8	10/07/00	4	8	10/07/00	8	4
Z-2	20	ESFNZ020	8	10/07/00	4	8	10/07/00	8	4
Z-3	20	ENGNZ030	8	10/07/00	4	8	10/07/00	8	4
Z-4	20	ESFNZ040	8	10/07/00	4	8	10/07/00	8	4
Z-5	20	ENGNZ050	14	10/07/00	7	14	10/07/00	14	7
Z-6	20	ENHNZ060	8	10/07/00	4	8	10/07/00	8	4
Z-7	20	ENGNZ070	9	10/07/00	5	9	10/07/00	9	5
Z-8	20	ENHNZ080	9	10/07/00	5	9	10/07/00	9	5
Z-9	20	ENHNZ090	10	10/13/00	5	10	10/13/00	10	5
Z-10	20	ENHNZ100	13	10/08/00	7	13	10/08/00	13	7
Z-11	20	ENGNZ110	12	10/13/00	6	12	10/13/00	12	6
Z-12	20	ENHNZ120	13	10/08/00	7	13	10/08/00	13	7
Z-13	20	ENGNZ130	13	10/08/00	7	13	10/08/00	13	7
Z-14	20	EQFNZ140	13	10/08/00	7	13	10/08/00	13	7
Z-15	20	ENHNZ150	13	10/08/00	7	13	10/08/00	13	7
Z-16	20	ENHNZ160	13	10/08/00	7	13	10/08/00	13	7
Z-17	20	ENHNZ170	16	10/14/00	8	16	10/14/00	16	8
Z-18	20	ESFNZ180	2	05/10/05	1	2	11/04/06	2	1
Z-19	20	ENHNZ190	16	10/14/00	8	16	10/14/00	16	8
Z-20	20	ENHNZ200	16	10/14/00	8	16	10/14/00	16	8
Z-21	20	ENHNZ210	16	10/14/00	8	16	10/14/00	16	8
Z-22	20	ESFCZ220	16	10/14/00	8	16	10/14/00	16	8
Z-23	20	EPHCZ230	16	10/14/00	8	16	10/14/00	16	8
Z-24	20	EPHCZ240	2	05/10/05	1	2	11/04/06	2	1
Z-25	20	ESFCZ250	7	10/15/00	4	7	10/15/00	7	4
Z-26	20	ESFCZ260	7	10/15/00	4	7	10/15/00	7	4
Z-27	20	ESFCZ270	7	10/15/00	4	7	10/15/00	7	4
Z-28	20	ESACZ280	7	10/15/00	4	7	10/15/00	7	4
Z-29	20	EPHCZ290	7	10/15/00	4	7	10/15/00	7	4
Z-30	20	ERICZ300	7	10/15/00	4	7	10/15/00	7	4
Z-31	20	ENANZ310	2	10/21/00	1	2	10/21/00	2	1

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	15	10/17/00	8	15	10/17/00	15	8
Z-33	20	ENANZ330	2	12/04/03	1	2	12/04/03	2	1
Z-34	20	EPHBZ340	2	11/20/03	1	2	11/20/03	2	1
Z-35	20	ERIBZ350	7	10/15/00	4	7	10/15/00	7	4
Z-36	20	ESEBZ360	7	10/15/00	4	7	10/15/00	7	4
Z-37	20	ESABZ370	7	10/15/00	4	7	10/15/00	7	4
Z-38	20	ESFBZ380	7	10/15/00	4	7	10/15/00	7	4
Z-39	20	EPHBZ390	2	11/20/03	1	2	11/20/03	2	1
Z-40	20	ERIBZ400	19	10/21/00	10	19	10/21/00	19	10
Z-41	20	EPHBZ410	3	10/21/00	2	3	10/21/00	3	2
Z-42	20	ESFBZ420	2	11/20/03	1	2	11/20/03	2	1
Z-43	20	EPHNZ430	19	10/21/00	10	19	10/21/00	19	10
Z-44	20	ENANZ440	3	10/20/00	2	3	10/20/00	3	2
Z-45	20	ENANZ450	3	10/20/00	2	3	10/20/00	3	2
Z-46	20	EPHAZ460	18	10/22/00	9	18	10/22/00	18	9
Z-47	20	ESAAZ470	18	10/22/00	9	18	10/22/00	18	9
Z-48	20	EPHAZ480	18	10/22/00	9	18	10/22/00	18	9
Z-49	20	ERIAZ490	18	10/22/00	9	18	10/22/00	18	9
Z-50	20	ESFAZ500	18	10/22/00	9	18	10/22/00	18	9
Z-51	20	ESEAZ510	18	10/22/00	9	18	10/22/00	18	9
Z-52	20	ERIAZ520	12	10/22/00	6	12	10/22/00	12	6
Z-53	20	EHCNZ530	12	10/22/00	6	12	10/22/00	12	6
Z-54	20	ENGNZ540	12	10/22/00	6	12	10/22/00	12	6
Z-55	20	ENHNZ550	12	10/22/00	6	12	10/22/00	12	6
Z-56	20	ESFNZ560	12	10/22/00	6	12	10/22/00	12	6
Z-57	20	EQFNZ570	12	10/22/00	6	12	10/22/00	12	6
Z-58	20	ESFNZ580	15	10/22/00	8	15	10/22/00	15	8
Z-59	20	ENHNZ590	15	10/22/00	8	15	10/22/00	15	8
Z-60	20	ENGNZ600	15	10/22/00	8	15	10/22/00	15	8
Z-61	20	ENHNZ610	12	10/14/06	6	18	10/18/06	18	9
Z-62	20	ENGNZ620	15	10/22/00	8	15	10/22/00	15	8
Z-63	20	ENHNZ630	15	10/22/00	8	15	10/22/00	15	8
Z-64	20	ESFNZ640	10	10/23/00	5	10	10/23/00	10	5
Z-65	20	ENHNZ650	10	10/23/00	5	10	10/23/00	10	5
Z-66	20	ESFNZ660	10	10/23/00	5	10	10/23/00	10	5
Z-67	20	ENHNZ670	10	10/23/00	5	10	10/23/00	10	5
Z-68	20	ENGNZ680	10	10/23/00	5	10	10/23/00	10	5
Z-69	20	ENGNZ690	10	10/23/00	5	10	10/23/00	10	5
Z-70	20	ENANZ700	4	10/22/00	2	4	10/22/00	4	2

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	10	10/23/00	5	10	10/23/00	10	5
Z-72	20	ESFNZ720	10	10/23/00	5	10	10/23/00	10	5
Z-73	20	ENHNZ730	2	11/02/00	1	2	11/02/00	2	1
Z-74	20	ESFNZ740	10	10/23/00	5	10	10/23/00	10	5
Z-75	20	ESENZ750	10	10/23/00	5	10	10/23/00	10	5
Z-76	20	ESFNZ760	8	10/23/00	4	8	10/23/00	8	4
Z-77	20	ESFDZ770	8	10/23/00	4	8	10/23/00	8	4
Z-78	20	ESFDZ780	8	10/23/00	4	8	10/23/00	8	4
Z-79	20	ERIDZ790	8	10/23/00	4	8	10/23/00	8	4
Z-80	20	ESFNZ800	8	10/23/00	4	8	10/23/00	8	4
Z-81	20	ESADZ810	8	10/23/00	4	8	10/23/00	8	4
Z-82	20	ESFNZ820	8	10/23/00	4	8	10/23/00	8	4
Z-83	20	ESFDZ830	14	10/23/00	7	14	10/23/00	14	7
Z-84	20	ESFNZ840	14	10/23/00	7	14	10/23/00	14	7
Z-85	20	ESADZ850	14	10/23/00	7	14	10/23/00	14	7
Z-86	20	EPHNZ860	14	10/23/00	7	14	10/23/00	14	7
Z-87	20	ESFNZ870	14	10/23/00	7	14	10/23/00	14	7
Z-88	20	ENGNZ880	14	10/23/00	7	14	10/23/00	14	7
Z-89	20	ESFNZ890	14	10/23/00	7	14	10/23/00	14	7
Z-90	20	ENGNZ900	14	10/23/00	7	14	10/23/00	14	7
Z-91	20	ESFNZ910	14	10/23/00	7	14	10/23/00	14	7

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Leakage Rate and Acceptance Criteria

Unit 2R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	22	03/30/08		22	03/30/08		
6	1000	DWEV062	350	03/30/08	22	350	03/30/08	350	22
	3000	FPEV089	803	04/13/08		803	04/13/08		
7	3000	FPEV090	24	04/13/08	24	24	04/13/08	803	24
	1500	RDAUV0023	7	04/25/08		7	04/25/08		
	1500	RDBUV0024	19	04/25/08		19	04/25/08		
9	1500	RDBUV0407	19	04/25/08	7	19	04/25/08	19	7
21	4000	SIAV164	181	04/10/08	181	181	04/10/08	181	181
22	4000	SIBV165	39	04/28/08	39	788	04/30/08	788	788
	500	HCBUV0044	2	04/29/08		2	04/29/08		
25A	500	HCAUV0045	41	04/29/08	2	41	04/29/08	41	2
	500	HCAUV0046	35	04/29/08		35	04/29/08		
25B	500	HCBUV0047	12	04/29/08	12	12	04/29/08	35	12
	1000	SIAUV0682	4	04/05/08		6	04/16/08		
	1000	SIEV463	3	04/05/08		3	04/05/08		
28	250	SIEPSV0474	3	04/05/08	3	6	04/16/08	12	3
	400	GAEV015	88	04/04/08		88	04/04/08		
29	400	GAAUV0002	75	04/04/08	75	75	04/04/08	88	75
	500	GAEV011	2	04/04/08		67	05/15/08		
30	500	GAAUV0001	124	04/04/08	2	124	04/04/08	124	67
	1000	IAEV021	91	04/19/08		91	04/19/08		
31	1000	IAAUV0002	20	04/19/08	20	20	04/19/08	91	20
	4000	NCEV118	74	04/16/08		74	04/17/08		
33	4000	NCBUV0401	52	10/27/06	52	52	10/27/06	74	52
	4000	NCAUV0402	58	04/16/08		58	04/16/08		
	4000	NCBUV0403	108	10/22/06		108	10/22/06		
34	1000	NCEPSV0617	58	04/16/08	58	58	04/16/08	166	58
	1000	HPAUV0001	222	04/11/08		222	04/11/08		
	1000	HPAUV0003	350	04/11/08		350	04/11/08		
	500	HPAHV0007A	90	08/25/06		90	08/25/06		
35	500	HPAUV0024	350	04/11/08	222	350	04/11/08	350	222
	1000	HPBUV0002	133	04/11/08		350	05/14/08		
	1000	HPBUV0004	77	04/11/08		77	04/11/08		
36	500	HPBHV0008A	12	12/29/04	89	12	12/29/04	350	89

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPAV002	2	04/14/08		2	04/14/08		
	1000	HPAUV0005	34	04/14/08		34	04/14/08		
	500	HPAHV0007B	15	10/19/06		15	10/19/06		
38	250	HPAUV0023	15	10/19/06	2	15	10/19/06	49	2
	1000	HPBV004	16	04/11/08		16	04/11/08		
	1000	HPBUV0006	20	04/11/08		20	04/11/08		
39	500	HPBHV0008B	20	04/11/08	16	20	04/11/08	20	16
	1000	CHAUV0516	35	04/10/08		26	05/07/08		
	1000	CHBUV0523	391	04/10/08		380	05/07/08		
40	1000	CHBUV0924	2640	04/10/08	35	380	05/07/08	380	35
	1000	CHEVM70	5	04/08/08		397	05/19/08		
	750	CHAHV0524	21	04/07/08		266	04/27/08		
41	750	CHEV854	95	10/21/06	5	95	10/21/06	397	361
	1000	SSBUV0201	32	04/13/05		32	04/13/05		
42A	1000	SSAUV0204	90	04/13/05	32	90	04/13/05	90	32
	1000	SSBUV0202	1732	04/13/08		32	05/09/08		
42B	1000	SSAUV0205	2270	04/13/08	1732	20	05/09/08	32	20
	1000	SSBUV0200	238	10/28/06		238	10/28/06		
42C	1000	SSAUV0203	144	10/28/06	144	144	10/28/06	238	144
	500	CHBUV0505	28	04/07/08		19	04/21/08		
43	500	CHAUV0506	18	04/07/08	18	25	04/21/08	25	19
	1000	CHAUV0560	5	04/29/08		44	05/02/08		
44	1000	CHBUV0561	16	04/29/08	5	373	05/02/08	373	44
	500	CHNV494	305	04/09/08		305	04/09/08		
	500	CHAUV0580	155	04/08/08		193	04/21/08		
45	250	CHAUV0715	155	04/08/08	155	155	04/08/08	503	305
	1500	PCEV070	11	04/02/08		11	04/02/08		
50	1500	PCEV071	7	04/02/08	7	7	04/02/08	11	7
	1500	PCEV075	190	11/04/06		190	11/04/06		
51	1500	PCEV076	70	11/04/06	70	70	11/04/06	190	70
	500	GRAUV0001	276	04/09/08		291	05/10/08		
52	500	GRBUV0002	320	10/19/06	276	320	10/19/06	320	291
53	500	PCEU53	5	11/06/06	3	45	05/16/08	45	23
58	20	CLEU58	11	11/05/06	6	2	05/16/08	2	1
	1500	IAEV072	470	03/30/08		470	03/30/08		
59	1500	IAEV073	599	03/30/08	470	599	03/30/08	599	470
	4000	WCEV039	12	10/16/06		12	10/16/06		
60	4000	WCBUV0063	78	04/18/08	12	20	04/21/08	20	12

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCBUV0061	6	04/18/08		7	04/21/08		
61	4000	WCAUV0062	1237	04/18/08	6	1237	04/18/08	1237	7
62B	20	CLEU62B	2	04/16/08	1	2	04/16/08	2	1
62C	20	CLEU62C	2	04/16/08	1	2	04/16/08	2	1
	750	CHNV835	6	04/06/08		6	04/06/08		
72	750	CHBHV0255	20	04/06/08	6	80	04/20/08	80	6
L-2	240	ZCNM03	2	11/7/06	1	2	5/18/08	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	8	10/07/00	4	8	10/07/00	8	4
Z-2	20	ESFNZ020	8	10/07/00	4	8	10/07/00	8	4
Z-3	20	ENGNZ030	8	10/07/00	4	8	10/07/00	8	4
Z-4	20	ESFNZ040	8	10/07/00	4	8	10/07/00	8	4
Z-5	20	ENGNZ050	14	10/07/00	7	14	10/07/00	14	7
Z-6	20	ENHNZ060	8	10/07/00	4	8	10/07/00	8	4
Z-7	20	ENGNZ070	9	10/07/00	5	9	10/07/00	9	5
Z-8	20	ENHNZ080	9	10/07/00	5	9	10/07/00	9	5
Z-9	20	ENHNZ090	10	10/13/00	5	10	10/13/00	10	5
Z-10	20	ENHNZ100	13	10/08/00	7	13	10/08/00	13	7
Z-11	20	ENGNZ110	12	10/13/00	6	12	10/13/00	12	6
Z-12	20	ENHNZ120	13	10/08/00	7	13	10/08/00	13	7
Z-13	20	ENGNZ130	13	10/08/00	7	13	10/08/00	13	7
Z-14	20	EQFNZ140	13	10/08/00	7	13	10/08/00	13	7
Z-15	20	ENHNZ150	13	10/08/00	7	13	10/08/00	13	7
Z-16	20	ENHNZ160	13	10/08/00	7	13	10/08/00	13	7
Z-17	20	ENHNZ170	16	10/14/00	8	16	10/14/00	16	8
Z-18	20	ESFNZ180	2	11/04/06	1	7	05/07/08	7	4
Z-19	20	ENHNZ190	16	10/14/00	8	16	10/14/00	16	8
Z-20	20	ENHNZ200	16	10/14/00	8	16	10/14/00	16	8
Z-21	20	ENHNZ210	16	10/14/00	8	16	10/14/00	16	8
Z-22	20	ESFCZ220	16	10/14/00	8	16	10/14/00	16	8
Z-23	20	EPHCZ230	16	10/14/00	8	16	10/14/00	16	8
Z-24	20	EPHCZ240	2	11/04/06	1	2	05/15/08	2	1
Z-25	20	ESFCZ250	7	10/15/00	4	7	10/15/00	7	4
Z-26	20	ESFCZ260	7	10/15/00	4	7	10/15/00	7	4
Z-27	20	ESFCZ270	7	10/15/00	4	7	10/15/00	7	4
Z-28	20	ESACZ280	7	10/15/00	4	7	10/15/00	7	4
Z-29	20	EPHCZ290	7	10/15/00	4	7	10/15/00	7	4
Z-30	20	ERICZ300	7	10/15/00	4	7	10/15/00	7	4
Z-31	20	ENANZ310	2	04/12/08	1	2	04/12/08	2	1

Attachment 5

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-32	20	ENGNZ320	9	04/02/08	5	9	04/02/08	9	5
Z-33	20	ENANZ330	6	04/02/08	3	6	04/02/08	6	3
Z-34	20	EPHBZ340	6	04/03/08	3	6	04/03/08	6	3
Z-35	20	ERIBZ350	6	04/03/08	3	6	04/03/08	6	3
Z-36	20	ESEBZ360	6	04/02/08	3	6	04/02/08	6	3
Z-37	20	ESABZ370	6	04/03/08	3	6	04/03/08	6	3
Z-38	20	ESFBZ380	6	04/02/08	3	6	04/02/08	6	3
Z-39	20	EPHBZ390	18	04/03/08	9	18	04/03/08	18	9
Z-40	20	ERIBZ400	12	04/02/08	6	12	04/02/08	12	6
Z-41	20	EPHBZ410	18	04/03/08	9	18	04/03/08	18	9
Z-42	20	ESFBZ420	6	04/02/08	3	6	04/02/08	6	3
Z-43	20	EPHNZ430	18	04/03/08	9	18	04/03/08	18	9
Z-44	20	ENANZ440	3	04/12/08	2	3	04/12/08	3	2
Z-45	20	ENANZ450	12	04/14/08	6	12	04/14/08	12	6
Z-46	20	EPHAZ460	18	10/22/00	9	18	10/22/00	18	9
Z-47	20	ESAAZ470	18	10/22/00	9	18	10/22/00	18	9
Z-48	20	EPHAZ480	18	10/22/00	9	18	10/22/00	18	9
Z-49	20	ERIAZ490	18	10/22/00	9	18	10/22/00	18	9
Z-50	20	ESFAZ500	18	10/22/00	9	18	10/22/00	18	9
Z-51	20	ESEAZ510	18	10/22/00	9	18	10/22/00	18	9
Z-52	20	ERIAZ520	12	10/22/00	6	12	10/22/00	12	6
Z-53	20	EHCNZ530	12	10/22/00	6	12	10/22/00	12	6
Z-54	20	ENGNZ540	12	10/22/00	6	12	10/22/00	12	6
Z-55	20	ENHNZ550	12	10/22/00	6	12	10/22/00	12	6
Z-56	20	ESFNZ560	12	10/22/00	6	12	10/22/00	12	6
Z-57	20	EQFNZ570	12	10/22/00	6	12	10/22/00	12	6
Z-58	20	ESFNZ580	15	10/22/00	8	15	10/22/00	15	8
Z-59	20	ENHNZ590	15	10/22/00	8	15	10/22/00	15	8
Z-60	20	ENGNZ600	15	10/22/00	8	15	10/22/00	15	8
Z-61	20	ENHNZ610	13	04/17/08	7	13	04/17/08	13	7
Z-62	20	ENGNZ620	15	10/22/00	8	15	10/22/00	15	8
Z-63	20	ENHNZ630	15	10/22/00	8	15	10/22/00	15	8
Z-64	20	ESFNZ640	10	10/23/00	5	10	10/23/00	10	5
Z-65	20	ENHNZ650	10	10/23/00	5	10	10/23/00	10	5
Z-66	20	ESFNZ660	10	10/23/00	5	10	10/23/00	10	5
Z-67	20	ENHNZ670	10	10/23/00	5	10	10/23/00	10	5
Z-68	20	ENGNZ680	10	10/23/00	5	10	10/23/00	10	5
Z-69	20	ENGNZ690	10	10/23/00	5	10	10/23/00	10	5
Z-70	20	ENANZ700	16	05/08/08	8	16	05/08/08	16	8

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 2

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Z-71	20	ENGNZ710	13	04/03/08	7	13	04/03/08	13	7
Z-72	20	ESFNZ720	13	04/03/08	7	13	04/03/08	13	7
Z-73	20	ENHNZ730	13	04/03/08	7	13	04/03/08	13	7
Z-74	20	ESFNZ740	12	04/03/08	6	12	04/03/08	12	6
Z-75	20	ESENZ750	13	04/03/08	7	13	04/03/08	13	7
Z-76	20	ESFNZ760	12	04/03/08	6	12	04/03/08	12	6
Z-77	20	ESFDZ770	12	04/03/08	6	12	04/03/08	12	6
Z-78	20	ESFDZ780	12	04/03/08	6	12	04/03/08	12	6
Z-79	20	ERIDZ790	12	04/03/08	6	12	04/03/08	12	6
Z-80	20	ESFNZ800	2	04/14/08	1	2	04/14/08	2	1
Z-81	20	ESADZ810	4	04/10/08	2	4	04/10/08	4	2
Z-82	20	ESFNZ820	5	04/14/08	3	5	04/14/08	5	3
Z-83	20	ESFDZ830	4	04/10/08	2	4	04/10/08	4	2
Z-84	20	ESFNZ840	5	04/14/08	3	5	04/14/08	5	3
Z-85	20	ESADZ850	4	04/10/08	2	4	04/10/08	4	2
Z-86	20	EPHNZ860	2	04/14/08	1	2	04/14/08	2	1
Z-87	20	ESFNZ870	4	04/10/08	2	4	04/10/08	4	2
Z-88	20	ENGNZ880	11	04/15/08	6	11	04/15/08	11	6
Z-89	20	ESFNZ890	11	04/15/08	6	11	04/15/08	11	6
Z-90	20	ENGNZ900	11	04/15/08	6	11	04/15/08	11	6
Z-91	20	ESFNZ910	11	04/15/08	6	11	04/15/08	11	6

Unit 2 100 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 /058126**
Penetration / EQ IDs: **L3 / 2CZCNM02**
Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2371569	12/13/2001	450
2571480	3/7/2003	920
2598876	12/4/2003	982
2662585	02/11/05	1498
2793037	2/5/2007	2403
3180002	2/27/2009	2003

Unit 2 140 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 / 058126**

Penetration / EQ IDs: **L1 / 2CZCNM01**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
224581	11/16/2000	850
2546055	11/19/2002	175
2616328	12/1/2004	1258
2763129	7/11/2006	40
2950673	9/11/2008	4

Unit 2 42" Purge Supply LLRT

ST Procedure / SWMS RT: **73ST-9CL06 / 043051**

Penetration / EQ IDs: **56 / 2JCPBUV0003A (inboard); 2JCPAUV0002A (outboard)**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2393647	4/14/2002	25
2552342	12/6/2003	7
2710887	5/14/2005	80
2841478	11/6/2006	8
2994392	5/19/2008	4

Unit 2 8" Power Access Purge LLRT

ST Procedure / SWMS RT: **73ST-9CL07 / 043053**

Penetration / EQ IDs: **78 (Supply) / 2JCPBUV0005A (inboard valve)**
2JCPAUV0004A (outboard valve)
79 (Exhaust) / 2JCPAUV0004B (inboard valve)
2JCPBUV0005B (outboard valve)

Acceptance Criteria: **≤ 0.01 La (2320 sccm)**

STWO #	Date	Pen 78	Pen 79
2421394	4/3/02	7	16
2451182	6/25/02	2	150
2462353	9/17/02	20 (15)	54
2469671	12/13/02	20	24
2476111	3/6/03	200(80)	248
2482666	5/27/03	2	20
2514720	8/20/03	21	87
2533477	**10/30/03**	**90**	**22**
2572378	2/3/04	28	39
2580723	4/27/04	220	220
2594312	7/20/04	40	54
2616300	10/12/04	220(80)	250
2662705	1/4/05	47	65
2695715	**5/12/05**	**22**	**103**
2695716	6/21/05	40	40
2702800	9/13/05	22 (5)	142
2702801	12/6/05	22 (17)	167
2727458	3/2/06	32	22
2727459	5/23/06	4	15
2768877	8/15/06	48	22
2793187	**11/6/06**	**69**	**43**
2853470	1/30/07	115	103
2859981	4/24/07	49	17
2887433	7/17/07		
3040932	7/20/07	65	77
2910280	10/9/07	35	24
2976971	1/4/08	54	22
2983516	**5/18/08**	**278**	**202**
3006721	6/17/08	258	5
3042336	9/9/08	223	6
3089606	12/2/08	249	15
3113366	2/24/09	279	22
3138163	5/19/09	237	4

Notes:

1 Units for flow rate are standard cubic centimeters per minute (sccm).

2 Test results are shown with indicated value, if applicable, in parentheses. For example, "200 (5)" means indicated flow was 5 sccm, but since the leak rate monitor that was used is not calibrated below 200 sccm, the low value of the calibrated range is reported as the test result.

Unit 2 42" Purge Exhaust LLRT

ST Procedure / SWMS RT: **73ST-9CL10 / 043052**

Penetration / EQ IDs: **57 / 2JCPAUV0002B (inboard); 2JCPBUV0003B (outboard)**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2387126	4/14/02	42
2552343	12/6/03	5
2710888	5/14/05	58
2841479	11/7/06	6
2994393	5/19/08	6

Attachment 6
to
Question 1.1(a)

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, Unit 3 R10

Leakage Rate and Acceptance Criteria
UNIT 3 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	90	03/22/00		90	03/22/00		
6	1000	DWEV062	200	03/22/00	90	200	03/22/00	200	90
	3000	FPEV089	20	04/13/00		20	04/13/00		
7	3000	FPEV090	79	03/31/03	20	79	03/31/03	79	20
	1500	RDAUV0023	200	03/29/00		200	03/29/00		
	1500	RDBUV0024	200	03/29/00		200	03/29/00		
9	500	RDBUV0407	200	03/29/00	200	200	03/29/00	200	200
	4000	SIAV164	63	10/18/01		63	10/18/01		
21	3000	SIAUV0672	850	10/18/01	63	850	10/18/01	850	63
	4000	SIBV165	114	4/7/2003		114	4/7/2003		
22	3000	SIBUV0671	950	10/11/01	114	971	4/7/2003	971	114
	500	HCBUV0044	2	04/02/00		2	04/02/00		
25A	500	HCAUV0045	102	04/02/00	2	102	04/02/00	102	2
	500	HCAUV0046	82	04/02/00		82	04/02/00		
25B	500	HCBUV0047	2	04/02/00	2	2	04/02/00	82	2
	1000	SIAUV0682	10	04/20/00		10	04/20/00		
	1000	SIEV463	3	04/10/00		3	04/10/00		
28	250	SIEPSV0474	17	10/20/01	3	17	10/20/01	27	3
	400	GAEV015	11	04/04/00		11	04/04/00		
29	400	GAAUV0002	23	04/04/00	11	23	04/04/00	23	11
	500	GAEV011	55	4/1/2003		55	4/1/2003		
30	500	GAAUV0001	137	04/03/00	55	137	04/03/00	137	55
	1000	IAEV021	82	04/03/00		82	04/03/00		
31	1000	IAAUV0002	3	04/03/00	3	3	04/03/00	82	3
	4000	NCEV118	144	04/03/00		144	04/03/00		
33	4000	NCBUV0401	89	04/03/00	89	89	04/03/00	144	89
	4000	NCAUV0402	80	10/09/01		80	10/09/01		
	4000	NCBUV0403	87	04/10/03		87	04/10/03		
34	250	NCEPSV0617	101	04/11/03	80	101	04/11/03	188	80
	1000	HPAUV0001	343	04/02/03		338	04/19/03		
	1000	HPAUV0003	337	04/02/03		337	04/02/03		
	500	HPAHV0007A	170	04/09/00		170	04/09/00		
35	250	HPAUV0024	355	04/02/03	343	355	04/02/03	692	338

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, Unit 3 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPBUV0002	537	08/24/01		537	08/24/01		
	1000	HPBUV0004	68	02/07/01		68	02/07/01		
36	500	HPBHV0008A	80	04/02/00	148	80	04/02/00	537	148
	1000	HPAV002	20	04/01/03		20	04/01/03		
	1000	HPAUV0005	20	04/20/00		20	04/20/00		
	500	HPAHV0007B	20	04/20/00		20	04/20/00		
38	250	HPAUV0023	20	04/20/00	20	20	04/20/00	60	20
	1000	HPBV004	20	04/02/00		20	04/02/00		
	1000	HPBUV0006	28	07/26/01		28	07/26/01		
39	500	HPBHV0008B	35	04/03/00	20	35	04/03/00	63	20
	1000	CHAUV0516	22	10/17/01		22	10/17/01		
	1000	CHBUV0523	20	04/06/03		39	04/07/03		
40	250	CHBUV0924	35	10/06/01	22	35	10/06/01	74	22
	1000	CHEVM70	40	04/08/00		40	04/08/00		
	750	CHAHV0524	2	04/04/03		2	04/04/03		
41	250	CHEV854	2	04/04/03	4	2	04/04/03	40	4
	1000	SSBUV0201	220	10/09/01		220	10/09/01		
42A	1000	SSAUV0204	51	04/12/00	51	51	04/12/00	220	51
	1000	SSBUV0202	604	04/08/03		604	04/08/03		
42B	1000	SSAUV0205	695	04/08/03	604	695	04/08/03	695	604
	1000	SSBUV0200	20	10/17/01		20	10/17/01		
42C	1000	SSAUV0203	34	10/17/01	20	34	10/17/01	34	20
	500	CHBUV0505	2	10/10/01		2	10/10/01		
43	500	CHAUV0506	2	10/10/01	2	2	10/10/01	2	2
	1000	CHAUV0560	173	04/21/00		173	04/21/00		
44	1000	CHBUV0561	53	04/10/03	53	53	04/10/03	173	53
	500	CHNV494	20	04/09/03		138	04/17/03		
	500	CHAUV0580	187	04/17/00		143	04/17/03		
45	250	CHAUV0715	187	04/17/00	20	187	04/17/00	330	138
	1500	PCEV070	235	04/14/00		235	04/14/00		
50	1500	PCEV071	175	04/14/00	175	175	04/14/00	235	175
	1500	PCEV075	46	04/23/00		46	04/23/00		
51	1500	PCEV076	320	04/23/00	46	320	04/23/00	320	46
	500	GRAUV0001	69	10/19/01		69	10/19/01		
52	500	GRBUV0002	78	04/11/00	69	78	04/11/00	78	69
53	500	PCEU53	5	10/28/01	3	20	04/26/03	20	10
58	20	CLEU58	2	10/27/01	1	20	04/24/03	20	10
	1500	IAEV072	280	03/23/00		280	03/23/00		
59	1500	IAEV073	631	03/23/00	280	631	03/23/00	631	280

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, Unit 3 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	33	04/12/00		33	04/12/00		
60	4000	WCBUV0063	179	04/15/00	33	145	4/14/03	145	33
	4000	WCBUV0061	83	04/16/00		83	04/16/00		
61	4000	WCAUV0062	11	04/11/03	11	95	04/13/03	95	83
62B	20	CLEU62B	2	04/14/00	1	2	04/14/00	2	1
62C	20	CLEU62C	2	04/14/00	1	2	04/14/00	2	1
	750	CHNV835	20	04/03/03		20	04/03/03		
72	750	CHBHV0255	62	04/16/00	20	40	04/08/03	40	20
L-2	240	ZCNM03	2	10/28/01	1	5	04/27/03	5	3
Electrical Penetrations									
Z-1	20	ENGNZ010	17	04/05/00	9	17	04/05/00	17	9
Z-2	20	ESFNZ020	17	04/05/00	9	17	04/05/00	17	9
Z-3	20	ENGNZ030	17	04/05/00	9	17	04/05/00	17	9
Z-4	20	ESFNZ040	17	04/05/00	9	17	04/05/00	17	9
Z-5	20	ENGNZ050	14	04/05/00	7	14	04/05/00	14	7
Z-6	20	ENHNZ060	14	04/05/00	7	14	04/05/00	14	7
Z-7	20	ENGNZ070	14	04/05/00	7	14	04/05/00	14	7
Z-8	20	ENHNZ080	14	04/05/00	7	14	04/05/00	14	7
Z-9	20	ENHNZ090	14	04/05/00	7	14	04/05/00	14	7
Z-10	20	ENHNZ100	12	04/05/00	6	12	04/05/00	12	6
Z-11	20	ENGNZ110	16	04/09/00	8	16	04/09/00	16	8
Z-12	20	ENHNZ120	16	04/09/00	8	16	04/09/00	16	8
Z-13	20	ENGNZ130	16	04/09/00	8	16	04/09/00	16	8
Z-14	20	EQFNZ140	16	04/09/00	8	16	04/09/00	16	8
Z-15	20	ENHNZ150	16	04/09/00	8	16	04/09/00	16	8
Z-16	20	ENHNZ160	16	04/09/00	8	16	04/09/00	16	8
Z-17	20	ENHNZ170	4	04/09/00	2	4	04/09/00	4	2
Z-18	20	ESFNZ180	2	04/18/00	1	2	04/15/03	2	1
Z-19	20	ENHNZ190	14	04/09/00	7	14	04/09/00	14	7
Z-20	20	ENHNZ200	4	04/09/00	2	4	04/09/00	4	2
Z-21	20	ENHNZ210	4	04/09/00	2	4	04/09/00	4	2
Z-22	20	ESFCZ220	4	04/09/00	2	4	04/09/00	4	2
Z-23	20	EPHCZ230	4	04/09/00	2	4	04/09/00	4	2
Z-24	20	EPHCZ240	4	10/21/01	2	2	04/15/03	2	1
Z-25	20	ESFCZ250	4	04/12/00	2	4	04/12/00	4	2
Z-26	20	ESFCZ260	4	04/12/00	2	4	04/12/00	4	2
Z-27	20	ESFCZ270	4	04/12/00	2	4	04/12/00	4	2
Z-28	20	ESACZ280	4	04/12/00	2	4	04/12/00	4	2
Z-29	20	EPHCZ290	4	04/12/00	2	4	04/12/00	4	2

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, Unit 3 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	4	04/12/00	2	4	04/12/00	4	2
Z-31	20	ENANZ310	3	04/21/00	2	3	04/21/00	3	2
Z-32	20	ENGNZ320	2	04/20/00	1	2	04/20/00	2	1
Z-33	20	ENANZ330	2	04/20/00	1	2	04/20/00	2	1
Z-34	20	EPHBZ340	2	04/20/00	1	2	04/20/00	2	1
Z-35	20	ERIBZ350	2	04/20/00	1	2	04/20/00	2	1
Z-36	20	ESEBZ360	2	04/20/00	1	2	04/20/00	2	1
Z-37	20	ESABZ370	2	04/20/00	1	2	04/20/00	2	1
Z-38	20	ESFBZ380	2	04/20/00	1	2	04/20/00	2	1
Z-39	20	EPHBZ390	2	04/20/00	1	2	04/20/00	2	1
Z-40	20	ERIBZ400	16	04/20/00	8	16	04/20/00	16	8
Z-41	20	EPHBZ410	2	04/21/00	1	2	04/21/00	2	1
Z-42	20	ESFBZ420	2	04/21/00	1	2	04/21/00	2	1
Z-43	20	EPHNZ430	17	04/20/00	9	17	04/20/00	17	9
Z-44	20	ENANZ440	3	04/21/00	2	3	04/21/00	3	2
Z-45	20	ENANZ450	9	04/21/00	5	9	04/21/00	9	5
Z-46	20	EPHAZ460	12	04/21/00	6	12	04/21/00	12	6
Z-47	20	ESAAZ470	12	04/21/00	6	12	04/21/00	12	6
Z-48	20	EPHAZ480	12	04/21/00	6	12	04/21/00	12	6
Z-49	20	ERIAZ490	12	04/21/00	6	12	04/21/00	12	6
Z-50	20	ESFAZ500	12	04/21/00	6	12	04/21/00	12	6
Z-51	20	ESEAZ510	12	04/21/00	6	12	04/21/00	12	6
Z-52	20	ERIAZ520	10	04/21/00	5	10	04/21/00	10	5
Z-53	20	EHCNZ530	10	04/21/00	5	10	04/21/00	10	5
Z-54	20	ENGNZ540	10	04/21/00	5	10	04/21/00	10	5
Z-55	20	ENHNZ550	10	04/21/00	5	10	04/21/00	10	5
Z-56	20	ESFNZ560	10	04/21/00	5	10	04/21/00	10	5
Z-57	20	EQFNZ570	10	04/21/00	5	10	04/21/00	10	5
Z-58	20	ESFNZ580	13	04/22/00	7	13	04/22/00	13	7
Z-59	20	ENHNZ590	13	04/22/00	7	13	04/22/00	13	7
Z-60	20	ENGNZ600	13	04/22/00	7	13	04/22/00	13	7
Z-61	20	ENHNZ610	13	04/22/00	7	13	04/22/00	13	7
Z-62	20	ENGNZ620	13	04/22/00	7	13	04/22/00	13	7
Z-63	20	ENHNZ630	13	04/22/00	7	13	04/22/00	13	7
Z-64	20	ESFNZ640	14	04/22/00	7	14	04/22/00	14	7
Z-65	20	ENHNZ650	14	04/22/00	7	14	04/22/00	14	7
Z-66	20	ESFNZ660	14	04/22/00	7	14	04/22/00	14	7
Z-67	20	ENHNZ670	14	04/22/00	7	14	04/22/00	14	7
Z-68	20	ENGNZ680	2	04/24/00	1	2	04/24/00	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, Unit 3 R10

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	2	04/24/00	1	2	04/24/00	2	1
Z-70	20	ENANZ700	2	04/22/00	1	2	04/22/00	2	1
Z-71	20	ENGNZ710	18	04/22/00	9	18	04/22/00	18	9
Z-72	20	ESFNZ720	6	04/22/00	3	6	04/22/00	6	3
Z-73	20	ENHNZ730	2	04/28/00	1	2	04/28/00	2	1
Z-74	20	ESFNZ740	6	04/22/00	3	6	04/22/00	6	3
Z-75	20	ESENZ750	6	04/22/00	3	6	04/22/00	6	3
Z-76	20	ESFNZ760	6	04/22/00	3	6	04/22/00	6	3
Z-77	20	ESFDZ770	4	04/22/00	2	4	04/22/00	4	2
Z-78	20	ESFDZ780	4	04/22/00	2	4	04/22/00	4	2
Z-79	20	ERIDZ790	4	04/22/00	2	4	04/22/00	4	2
Z-80	20	ESFNZ800	4	04/22/00	2	4	04/22/00	4	2
Z-81	20	ESADZ810	4	04/22/00	2	4	04/22/00	4	2
Z-82	20	ESFNZ820	4	04/22/00	2	4	04/22/00	4	2
Z-83	20	ESFDZ830	15	04/22/00	8	15	04/22/00	15	8
Z-84	20	ESFNZ840	15	04/22/00	8	15	04/22/00	15	8
Z-85	20	ESADZ850	15	04/22/00	8	15	04/22/00	15	8
Z-86	20	EPHNZ860	15	04/22/00	8	15	04/22/00	15	8
Z-87	20	ESFNZ870	15	04/22/00	8	15	04/22/00	15	8
Z-88	20	ENGNZ880	15	04/22/00	8	15	04/22/00	15	8
Z-89	20	ESFNZ890	5	04/23/00	3	5	04/23/00	5	3
Z-90	20	ENGNZ900	5	04/23/00	3	5	04/23/00	5	3
Z-91	20	ESFNZ910	5	04/23/00	3	5	04/23/00	5	3

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R11

Leakage Rate Acceptance Criteria

UNIT 3 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	20	10/28/2004		20	10/28/2004		
6	1000	DWEV062	826	10/28/2004	20	826	10/28/2004	826	20
	3000	FPEV089	59	10/5/2004		59	10/5/2004		
7	3000	FPEV090	51	10/5/2004	51	51	10/5/2004	59	51
	1500	RDAUV0023	20	11/10/2004		20	11/10/2004		
	1500	RDBUV0024	20	11/10/2004		20	11/10/2004		
9	1500	RDBUV0407	20	11/10/2004	20	20	11/10/2004	20	20
21	4000	SIAV164	741	10/12/2004	741	741	10/12/2004	741	741
22	4000	SIBV165	463	10/22/2004	463	463	10/22/2004	463	463
	500	HCBUV0044	17	10/18/2004		17	10/18/2004		
25A	500	HCAUV0045	28	10/18/2004	17	28	10/18/2004	28	17
	500	HCAUV0046	28	10/18/2004		28	10/18/2004		
25B	500	HCBUV0047	17	10/18/2004	17	17	10/18/2004	28	17
	1000	SIAUV0682	47	10/27/2004		47	10/27/2004		
	1000	SIEV463	59	10/27/2004		59	10/27/2004		
28	250	SIEPSV0474	59	10/27/2004	47	59	10/27/2004	59	47
	400	GAEV015	46	10/13/2004		46	10/13/2004		
29	400	GAAUV0002	20	10/13/2004	20	20	10/13/2004	46	20
	500	GAEV011	55	4/1/2003		55	4/1/2003		
30	500	GAAUV0001	28	10/7/2004	28	28	10/7/2004	55	28
	1000	IAEV021	12	10/22/2004		12	10/22/2004		
31	1000	IAAUV0002	20	10/22/2004	12	20	10/22/2004	20	12
	4000	NCEV118	160	11/1/2004		160	11/1/2004		
33	4000	NCBUV0401	109	11/1/2004	109	109	11/1/2004	160	109
	4000	NCAUV0402	132	11/1/2004		132	11/1/2004		
	4000	NCBUV0403	323	11/1/2004		323	11/1/2004		
34	1000	NCEPSV0617	132	11/1/2004	132	68	11/3/2004	391	132
	1000	HPAUV0001	330	10/4/2004		166	10/27/2004		
	1000	HPAUV0003	280	10/4/2004		280	10/4/2004		
	500	HPAHV0007A	280	10/4/2004		280	10/4/2004		
35	500	HPAUV0024	274	10/4/2004	280	274	10/4/2004	280	166

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
	1000	HPBUV0002	26	10/6/2004		117	11/8/2004		
	1000	HPBUV0004	21	10/6/2004		21	10/6/2004		
36	500	HPBHV0008A	21	10/6/2004	21	21	10/6/2004	117	21
	1000	HPAV002	20	4/1/2003		20	4/1/2003		
	1000	HPAUV0005	25	10/4/2004		25	10/4/2004		
	500	HPAHV0007B	25	10/4/2004		25	10/4/2004		
38	250	HPAUV0023	25	10/4/2004	20	25	10/4/2004	25	20
	1000	HPBV004	11	10/6/2004		11	10/6/2004		
	1000	HPBUV0006	20	10/7/2004		20	10/7/2004		
39	500	HPBHV0008B	20	10/7/2004	11	20	10/7/2004	20	11
	1000	CHAUV0516	3	10/12/2004		20	11/1/2004		
	1000	CHBUV0523	39	4/7/2003		39	4/7/2003		
40	1000	CHBUV0924	35	10/6/2001	3	35	10/6/2001	74	20
	1000	CHEVM70	8	10/11/2004		8	10/11/2004		
	750	CHAHV0524	20	10/11/2004		20	10/27/2004		
41	750	CHEV854	20	10/11/2004	8	20	10/27/2004	20	8
	1000	SSBUV0201	220	10/9/2001		220	10/9/2001		
42A	1000	SSAUV0204	136	10/18/2004	136	136	10/18/2004	220	136
	1000	SSBUV0202	2	10/15/2004		37	11/15/2004		
42B	1000	SSAUV0205	2	10/15/2004	2	20	11/15/2004	37	20
	1000	SSBUV0200	20	10/17/2001		20	11/15/2004		
42C	1000	SSAUV0203	34	10/17/2001	20	29	11/15/2004	29	20
	500	CHBUV0505	2	10/18/2004		2	10/18/2004		
43	500	CHAUV0506	2	10/18/2004	2	2	10/27/2004	2	2
	1000	CHAUV0560	103	10/29/2004		103	10/29/2004		
44	1000	CHBUV0561	171	10/29/2004	103	171	10/29/2004	171	103
	500	CHNV494	138	4/17/2003		138	4/17/2003		
	500	CHAUV0580	83	10/31/2004		83	10/31/2004		
45	250	CHAUV0715	83	10/31/2004	83	83	10/31/2004	138	83
	1500	PCEV070	140	10/29/2004		140	10/29/2004		
50	1500	PCEV071	94	10/28/2004	94	94	10/28/2004	140	94
	1500	PCEV075	20	11/19/2004		20	11/19/2004		
51	1500	PCEV076	20	11/19/2004	20	20	11/19/2004	20	20
	500	GRAUV0001	70	10/26/2004		68	11/8/2004		
52	500	GRBUV0002	75	10/26/2004	70	75	10/26/2004	75	68
53	500	PCEU53	20	4/26/2003	10	21	11/21/2004	21	11
58	20	CLEU58	2	10/2/2004	1	2	11/20/2004	2	1
	1500	IAEV072	272	10/3/2004		272	10/3/2004		
59	1500	IAEV073	338	10/3/2004	272	338	10/3/2004	338	272

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	154	10/21/2004		154	10/21/2004		
60	4000	WCBUV0063	82	10/21/2004	82	20	10/30/2004	154	20
	4000	WCBUV0061	72	10/20/2004		14	10/26/2004		
61	4000	WCAUV0062	86	10/20/2004	72	24	10/26/2004	24	14
62B	20	CLEU62B	2	4/14/2000	1	2	4/14/2000	2	1
62C	20	CLEU62C	2	4/14/2000	1	2	4/14/2000	2	1
	750	CHNV835	2	10/8/2004		2	10/8/2004		
72	750	CHBHV0255	37	10/8/2004	2	37	10/8/2004	37	2
L-2	240	ZCNM03	5	4/27/2003	3	2	11/21/04	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	17	4/5/2000	9	17	4/5/2000	17	9
Z-2	20	ESFNZ020	17	4/5/2000	9	17	4/5/2000	17	9
Z-3	20	ENGNZ030	17	4/5/2000	9	17	4/5/2000	17	9
Z-4	20	ESFNZ040	17	4/5/2000	9	17	4/5/2000	17	9
Z-5	20	ENGNZ050	14	4/5/2000	7	14	4/5/2000	14	7
Z-6	20	ENHNZ060	14	4/5/2000	7	14	4/5/2000	14	7
Z-7	20	ENGNZ070	14	4/5/2000	7	14	4/5/2000	14	7
Z-8	20	ENHNZ080	14	4/5/2000	7	14	4/5/2000	14	7
Z-9	20	ENHNZ090	14	4/5/2000	7	14	4/5/2000	14	7
Z-10	20	ENHNZ100	12	4/5/2000	6	12	4/5/2000	12	6
Z-11	20	ENGNZ110	16	4/9/2000	8	16	4/9/2000	16	8
Z-12	20	ENHNZ120	16	4/9/2000	8	16	4/9/2000	16	8
Z-13	20	ENGNZ130	16	4/9/2000	8	16	4/9/2000	16	8
Z-14	20	EQFNZ140	16	4/9/2000	8	16	4/9/2000	16	8
Z-15	20	ENHNZ150	16	4/9/2000	8	16	4/9/2000	16	8
Z-16	20	ENHNZ160	16	4/9/2000	8	16	4/9/2000	16	8
Z-17	20	ENHNZ170	4	4/9/2000	2	4	4/9/2000	4	2
Z-18	20	ESFNZ180	2	4/15/2003	1	2	11/17/2004	2	1
Z-19	20	ENHNZ190	14	4/9/2000	7	14	4/9/2000	14	7
Z-20	20	ENHNZ200	4	4/9/2000	2	4	4/9/2000	4	2
Z-21	20	ENHNZ210	4	4/9/2000	2	4	4/9/2000	4	2
Z-22	20	ESFCZ220	4	4/9/2000	2	4	4/9/2000	4	2
Z-23	20	EPHCZ230	4	4/9/2000	2	4	4/9/2000	4	2
Z-24	20	EPHCZ240	2	4/15/2003	1	2	11/3/2004	2	1
Z-25	20	ESFCZ250	4	4/12/2000	2	4	4/12/2000	4	2
Z-26	20	ESFCZ260	4	4/12/2000	2	4	4/12/2000	4	2
Z-27	20	ESFCZ270	4	4/12/2000	2	4	4/12/2000	4	2
Z-28	20	ESACZ280	4	4/12/2000	2	4	4/12/2000	4	2
Z-29	20	EPHCZ290	4	4/12/2000	2	4	4/12/2000	4	2

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	4	4/12/2000	2	4	4/12/2000	4	2
Z-31	20	ENANZ310	3	4/21/2000	2	3	4/21/2000	3	2
Z-32	20	ENGNZ320	2	4/20/2000	1	2	4/20/2000	2	1
Z-33	20	ENANZ330	2	4/20/2000	1	2	4/20/2000	2	1
Z-34	20	EPHBZ340	2	4/20/2000	1	2	4/20/2000	2	1
Z-35	20	ERIBZ350	2	4/20/2000	1	2	4/20/2000	2	1
Z-36	20	ESEBZ360	2	4/20/2000	1	2	4/20/2000	2	1
Z-37	20	ESABZ370	2	4/20/2000	1	2	4/20/2000	2	1
Z-38	20	ESFBZ380	2	4/20/2000	1	2	4/20/2000	2	1
Z-39	20	EPHBZ390	2	4/20/2000	1	2	4/20/2000	2	1
Z-40	20	ERIBZ400	16	4/20/2000	8	16	4/20/2000	16	8
Z-41	20	EPHBZ410	2	4/21/2000	1	2	4/21/2000	2	1
Z-42	20	ESFBZ420	2	4/21/2000	1	2	4/21/2000	2	1
Z-43	20	EPHNZ430	17	4/20/2000	9	17	4/20/2000	17	9
Z-44	20	ENANZ440	3	4/21/2000	2	3	4/21/2000	3	2
Z-45	20	ENANZ450	9	4/21/2000	5	9	4/21/2000	9	5
Z-46	20	EPHAZ460	12	4/21/2000	6	12	4/21/2000	12	6
Z-47	20	ESAAZ470	12	4/21/2000	6	12	4/21/2000	12	6
Z-48	20	EPHAZ480	12	4/21/2000	6	12	4/21/2000	12	6
Z-49	20	ERIAZ490	12	4/21/2000	6	12	4/21/2000	12	6
Z-50	20	ESFAZ500	12	4/21/2000	6	12	4/21/2000	12	6
Z-51	20	ESEAZ510	12	4/21/2000	6	12	4/21/2000	12	6
Z-52	20	ERIAZ520	10	4/21/2000	5	10	4/21/2000	10	5
Z-53	20	EHCNZ530	10	4/21/2000	5	10	4/21/2000	10	5
Z-54	20	ENGNZ540	10	4/21/2000	5	10	4/21/2000	10	5
Z-55	20	ENHNZ550	10	4/21/2000	5	10	4/21/2000	10	5
Z-56	20	ESFNZ560	10	4/21/2000	5	10	4/21/2000	10	5
Z-57	20	EQFNZ570	10	4/21/2000	5	10	4/21/2000	10	5
Z-58	20	ESFNZ580	13	4/22/2000	7	13	4/22/2000	13	7
Z-59	20	ENHNZ590	13	4/22/2000	7	13	4/22/2000	13	7
Z-60	20	ENGNZ600	13	4/22/2000	7	13	4/22/2000	13	7
Z-61	20	ENHNZ610	13	4/22/2000	7	13	4/22/2000	13	7
Z-62	20	ENGNZ620	13	4/22/2000	7	13	4/22/2000	13	7
Z-63	20	ENHNZ630	13	4/22/2000	7	13	4/22/2000	13	7
Z-64	20	ESFNZ640	14	4/22/2000	7	14	4/22/2000	14	7
Z-65	20	ENHNZ650	14	4/22/2000	7	14	4/22/2000	14	7
Z-66	20	ESFNZ660	14	4/22/2000	7	14	4/22/2000	14	7
Z-67	20	ENHNZ670	14	4/22/2000	7	14	4/22/2000	14	7
Z-68	20	ENGNZ680	2	4/24/2000	1	2	4/24/2000	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R11

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	2	4/24/2000	1	2	4/24/2000	2	1
Z-70	20	ENANZ700	2	4/22/2000	1	2	4/22/2000	2	1
Z-71	20	ENGNZ710	18	4/22/2000	9	18	4/22/2000	18	9
Z-72	20	ESFNZ720	6	4/22/2000	3	6	4/22/2000	6	3
Z-73	20	ENHNZ730	2	4/28/2000	1	2	4/28/2000	2	1
Z-74	20	ESFNZ740	6	4/22/2000	3	6	4/22/2000	6	3
Z-75	20	ESENZ750	6	4/22/2000	3	6	4/22/2000	6	3
Z-76	20	ESFNZ760	6	4/22/2000	3	6	4/22/2000	6	3
Z-77	20	ESFDZ770	4	4/22/2000	2	4	4/22/2000	4	2
Z-78	20	ESFDZ780	4	4/22/2000	2	4	4/22/2000	4	2
Z-79	20	ERIDZ790	4	4/22/2000	2	4	4/22/2000	4	2
Z-80	20	ESFNZ800	4	4/22/2000	2	4	4/22/2000	4	2
Z-81	20	ESADZ810	4	4/22/2000	2	4	4/22/2000	4	2
Z-82	20	ESFNZ820	4	4/22/2000	2	4	4/22/2000	4	2
Z-83	20	ESFDZ830	15	4/22/2000	8	15	4/22/2000	15	8
Z-84	20	ESFNZ840	15	4/22/2000	8	15	4/22/2000	15	8
Z-85	20	ESADZ850	15	4/22/2000	8	15	4/22/2000	15	8
Z-86	20	EPHNZ860	15	4/22/2000	8	15	4/22/2000	15	8
Z-87	20	ESFNZ870	15	4/22/2000	8	15	4/22/2000	15	8
Z-88	20	ENGNZ880	15	4/22/2000	8	15	4/22/2000	15	8
Z-89	20	ESFNZ890	5	4/23/2000	3	5	4/23/2000	5	3
Z-90	20	ENGNZ900	5	4/23/2000	3	5	4/23/2000	5	3
Z-91	20	ESFNZ910	5	4/23/2000	3	5	4/23/2000	5	3

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R12

Leakage Rate and Acceptance Criteria

Unit 3 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	20	10/28/2004		20	10/28/2004		
6	1000	DWEV062	26	4/23/2006	20	26	4/23/2006	26	20
	3000	FPEV089	59	10/5/2004		59	10/5/2004		
7	3000	FPEV090	51	10/5/2004	51	51	10/5/2004	59	51
	1500	RDAUV0023	20	11/10/2004		20	11/10/2004		
	1500	RDBUV0024	20	11/10/2004		20	11/10/2004		
9	1500	RDBUV0407	20	11/10/2004	20	20	11/10/2004	20	20
21	4000	SIAV164	741	10/12/2004	741	741	10/12/2004	741	741
22	4000	SIBV165	463	10/22/2004	463	463	10/22/2004	463	463
	500	HCBUV0044	17	10/18/2004		17	10/18/2004		
25A	500	HCAUV0045	28	10/18/2004	17	28	10/18/2004	28	17
	500	HCAUV0046	28	10/18/2004		28	10/18/2004		
25B	500	HCBUV0047	17	10/18/2004	17	17	10/18/2004	28	17
	1000	SIAUV0682	20	4/7/2006		2	4/11/2006		
	1000	SIEV463	59	10/27/2004		59	10/27/2004		
28	250	SIEPSV0474	59	10/27/2004	20	59	10/27/2004	59	2
	400	GAEV015	46	10/13/2004		46	10/13/2004		
29	400	GAAUV0002	20	10/13/2004	20	20	10/13/2004	46	20
	500	GAEV011	55	4/1/2003		55	4/1/2003		
30	500	GAAUV0001	28	10/7/2004	28	28	10/7/2004	55	28
	1000	IAEV021	12	10/22/2004		12	10/22/2004		
31	1000	IAAUV0002	20	10/22/2004	12	20	10/22/2004	20	12
	4000	NCEV118	160	11/1/2004		160	11/1/2004		
33	4000	NCBUV0401	20	4/21/2006	20	20	4/21/2006	160	20
	4000	NCAUV0402	2	4/23/2006		120	5/5/2006		
	4000	NCBUV0403	40	4/23/2006		7	5/5/2006		
34	1000	NCEPSV0617	2	4/23/2006	2	120	5/5/2006	127	120
	1000	HPAUV0001	101	2/6/2006		101	2/6/2006		
	1000	HPAUV0003	16	2/10/2006		16	2/10/2006		
	500	HPAHV0007A	280	10/4/2004		280	10/4/2004		
35	500	HPAUV0024	274	10/4/2004	101	274	10/4/2004	296	101

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPBUV0002	117	11/8/2004		117	11/8/2004		
	1000	HPBUV0004	21	10/6/2004		21	10/6/2004		
36	500	HPBHV0008A	21	10/6/2004	21	21	10/6/2004	117	21
	1000	HPAV002	>20000	4/4/2006		27	4/26/2006		
	1000	HPAUV0005	29	4/27/2006		29	4/27/2006		
	500	HPAHV0007B	29	4/27/2006		29	4/27/2006		
38	250	HPAUV0023	29	4/27/2006	29	29	4/27/2006	29	27
	1000	HPBV004	11	10/6/2004		11	10/6/2004		
	1000	HPBUV0006	20	10/7/2004		20	10/7/2004		
39	500	HPBHV0008B	20	10/7/2004	11	20	10/7/2004	20	11
	1000	CHAUV0516	5	4/9/2006		2	5/1/2006		
	1000	CHBUV0523	2	4/9/2006		2	5/1/2006		
40	1000	CHBUV0924	2	4/9/2006	2	2	4/9/2006	4	2
	1000	CHEVM70	8	10/11/2004		8	10/11/2004		
	750	CHAHV0524	20	10/27/2004		20	10/27/2004		
41	750	CHEV854	2	4/7/2006	8	435	4/11/2006	455	8
	1000	SSBUV0201	452	4/19/2006		452	4/19/2006		
42A	1000	SSAUV0204	594	4/19/2006	452	2	5/7/2006	452	2
	1000	SSBUV0202	25	4/18/2006		25	4/18/2006		
42B	1000	SSAUV0205	67	4/18/2006	25	67	4/18/2006	67	25
	1000	SSBUV0200	44	4/19/2006		44	4/19/2006		
42C	1000	SSAUV0203	37	4/19/2006	37	37	4/19/2006	44	37
	500	CHBUV0505	3	4/5/2006		2	4/25/2006		
43	500	CHAUV0506	2	4/5/2006	2	2	4/25/2006	2	2
	1000	CHAUV0560	103	10/29/2004		103	10/29/2004		
44	1000	CHBUV0561	78	5/1/2006	78	78	5/1/2006	103	78
	500	CHNV494	138	4/17/2003		138	4/17/2003		
	500	CHAUV0580	83	10/31/2004		83	10/31/2004		
45	250	CHAUV0715	83	10/31/2004	83	83	10/31/2004	138	83
	1500	PCEV070	140	10/29/2004		140	10/29/2004		
50	1500	PCEV071	94	10/28/2004	94	94	10/28/2004	140	94
	1500	PCEV075	20	11/19/2004		20	11/19/2004		
51	1500	PCEV076	20	11/19/2004	20	20	11/19/2004	20	20
	500	GRAUV0001	2	4/25/2006		4	5/4/2006		
52	500	GRBUV0002	75	10/26/2004	2	75	10/26/2004	75	4
53	500	PCEU53	19	4/2/2006	10	12	5/5/2006	12	6
58	20	CLEU58	2	4/1/2006	1	2	5/4/2006	2	1
	1500	IAEV072	272	10/3/2004		272	10/3/2004		
59	1500	IAEV073	338	10/3/2004	272	338	10/3/2004	338	272

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	154	10/21/2004		154	10/21/2004		
60	4000	WCBUV0063	20	4/21/2006	20	20	4/21/2006	154	20
	4000	WCBUV0061	140	4/21/2006		140	4/21/2006		
61	4000	WCAUV0062	24	10/26/2004	24	24	10/26/2004	140	24
62B	20	CLEU62B	2	4/28/2006	1	2	4/28/2006	2	1
62C	20	CLEU62C	2	4/28/2006	1	2	4/28/2006	2	1
	750	CHNV835	2	10/8/2004		2	10/8/2004		
72	750	CHBHV0255	5	4/6/2006	2	9	5/2/2006	9	2
L-2	240	ZCNM03	5	4/2/2006	3	2	5/6/2006	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	17	4/5/2000	9	17	4/5/2000	17	9
Z-2	20	ESFNZ020	17	4/5/2000	9	17	4/5/2000	17	9
Z-3	20	ENGNZ030	17	4/5/2000	9	17	4/5/2000	17	9
Z-4	20	ESFNZ040	17	4/5/2000	9	17	4/5/2000	17	9
Z-5	20	ENGNZ050	14	4/5/2000	7	14	4/5/2000	14	7
Z-6	20	ENHNZ060	14	4/5/2000	7	14	4/5/2000	14	7
Z-7	20	ENGNZ070	14	4/5/2000	7	14	4/5/2000	14	7
Z-8	20	ENHNZ080	14	4/5/2000	7	14	4/5/2000	14	7
Z-9	20	ENHNZ090	14	4/5/2000	7	14	4/5/2000	14	7
Z-10	20	ENHNZ100	12	4/5/2000	6	12	4/5/2000	12	6
Z-11	20	ENGNZ110	16	4/9/2000	8	16	4/9/2000	16	8
Z-12	20	ENHNZ120	16	4/9/2000	8	16	4/9/2000	16	8
Z-13	20	ENGNZ130	16	4/9/2000	8	16	4/9/2000	16	8
Z-14	20	EQFNZ140	16	4/9/2000	8	16	4/9/2000	16	8
Z-15	20	ENHNZ150	16	4/9/2000	8	16	4/9/2000	16	8
Z-16	20	ENHNZ160	16	4/9/2000	8	16	4/9/2000	16	8
Z-17	20	ENHNZ170	4	4/9/2000	2	4	4/9/2000	4	2
Z-18	20	ESFNZ180	2	11/17/2004	1	5	4/27/2006	5	3
Z-19	20	ENHNZ190	14	4/9/2000	7	14	4/9/2000	14	7
Z-20	20	ENHNZ200	4	4/9/2000	2	4	4/9/2000	4	2
Z-21	20	ENHNZ210	4	4/9/2000	2	4	4/9/2000	4	2
Z-22	20	ESFCZ220	4	4/9/2000	2	4	4/9/2000	4	2
Z-23	20	EPHCZ230	4	4/9/2000	2	4	4/9/2000	4	2
Z-24	20	EPHCZ240	2	4/2/2006	1	5	4/27/2006	5	3
Z-25	20	ESFCZ250	4	4/12/2000	2	4	4/12/2000	4	2
Z-26	20	ESFCZ260	4	4/12/2000	2	4	4/12/2000	4	2
Z-27	20	ESFCZ270	4	4/12/2000	2	4	4/12/2000	4	2
Z-28	20	ESACZ280	4	4/12/2000	2	4	4/12/2000	4	2
Z-29	20	EPHCZ290	4	4/12/2000	2	4	4/12/2000	4	2

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	4	4/12/2000	2	4	4/12/2000	4	2
Z-31	20	ENANZ310	3	4/12/2006	2	3	4/12/2006	3	2
Z-32	20	ENGNZ320	3	4/3/2006	2	3	4/3/2006	3	2
Z-33	20	ENANZ330	3	4/3/2006	2	3	4/3/2006	3	2
Z-34	20	EPHBZ340	3	4/3/2006	2	3	4/3/2006	3	2
Z-35	20	ERIBZ350	2	4/4/2006	1	2	4/4/2006	2	1
Z-36	20	ESEBZ360	3	4/3/2006	2	3	4/3/2006	3	2
Z-37	20	ESABZ370	3	4/4/2006	2	3	4/4/2006	3	2
Z-38	20	ESFBZ380	2	4/4/2006	1	2	4/4/2006	2	1
Z-39	20	EPHBZ390	2	4/4/2006	1	2	4/4/2006	2	1
Z-40	20	ERIBZ400	17	4/4/2006	9	17	4/4/2006	17	9
Z-41	20	EPHBZ410	2	4/4/2006	1	2	4/4/2006	2	1
Z-42	20	ESFBZ420	2	4/4/2006	1	2	4/4/2006	2	1
Z-43	20	EPHNZ430	14	4/4/2006	7	14	4/4/2006	14	7
Z-44	20	ENANZ440	2	4/13/2006	1	2	4/13/2006	2	1
Z-45	20	ENANZ450	7	4/14/2006	4	7	4/14/2006	7	4
Z-46	20	EPHAZ460	12	4/21/2000	6	12	4/21/2000	12	6
Z-47	20	ESAAZ470	12	4/21/2000	6	12	4/21/2000	12	6
Z-48	20	EPHAZ480	12	4/21/2000	6	12	4/21/2000	12	6
Z-49	20	ERIAZ490	12	4/21/2000	6	12	4/21/2000	12	6
Z-50	20	ESFAZ500	12	4/21/2000	6	12	4/21/2000	12	6
Z-51	20	ESEAZ510	12	4/21/2000	6	12	4/21/2000	12	6
Z-52	20	ERIAZ520	10	4/21/2000	5	10	4/21/2000	10	5
Z-53	20	EHCNZ530	10	4/21/2000	5	10	4/21/2000	10	5
Z-54	20	ENGNZ540	10	4/21/2000	5	10	4/21/2000	10	5
Z-55	20	ENHNZ550	10	4/21/2000	5	10	4/21/2000	10	5
Z-56	20	ESFNZ560	10	4/21/2000	5	10	4/21/2000	10	5
Z-57	20	EQFNZ570	10	4/21/2000	5	10	4/21/2000	10	5
Z-58	20	ESFNZ580	13	4/22/2000	7	13	4/22/2000	13	7
Z-59	20	ENHNZ590	13	4/22/2000	7	13	4/22/2000	13	7
Z-60	20	ENGNZ600	13	4/22/2000	7	13	4/22/2000	13	7
Z-61	20	ENHNZ610	13	4/22/2000	7	13	4/22/2000	13	7
Z-62	20	ENGNZ620	13	4/22/2000	7	13	4/22/2000	13	7
Z-63	20	ENHNZ630	13	4/22/2000	7	13	4/22/2000	13	7
Z-64	20	ESFNZ640	14	4/22/2000	7	14	4/22/2000	14	7
Z-65	20	ENHNZ650	14	4/22/2000	7	14	4/22/2000	14	7
Z-66	20	ESFNZ660	14	4/22/2000	7	14	4/22/2000	14	7
Z-67	20	ENHNZ670	14	4/22/2000	7	14	4/22/2000	14	7
Z-68	20	ENGNZ680	2	4/24/2000	1	2	4/24/2000	2	1

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R12

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	2	4/24/2000	1	2	4/24/2000	2	1
Z-70	20	ENANZ700	3	4/12/2006	2	3	4/12/2006	3	2
Z-71	20	ENGNZ710	3	4/6/2006	2	3	4/6/2006	3	2
Z-72	20	ESFNZ720	4	4/6/2006	2	4	4/6/2006	4	2
Z-73	20	ENHNZ730	4	4/6/2006	2	4	4/6/2006	4	2
Z-74	20	ESFNZ740	4	4/6/2006	2	4	4/6/2006	4	2
Z-75	20	ESENZ750	4	4/6/2006	2	4	4/6/2006	4	2
Z-76	20	ESFNZ760	4	4/6/2006	2	4	4/6/2006	4	2
Z-77	20	ESFDZ770	4	4/6/2006	2	4	4/6/2006	4	2
Z-78	20	ESFDZ780	4	4/6/2006	2	4	4/6/2006	4	2
Z-79	20	ERIDZ790	4	4/6/2006	2	4	4/6/2006	4	2
Z-80	20	ESFNZ800	5	4/6/2006	3	5	4/6/2006	5	3
Z-81	20	ESADZ810	4	4/6/2006	2	4	4/6/2006	4	2
Z-82	20	ESFNZ820	5	4/6/2006	3	5	4/6/2006	5	3
Z-83	20	ESFDZ830	5	4/6/2006	3	5	4/6/2006	5	3
Z-84	20	ESFNZ840	5	4/6/2006	3	5	4/6/2006	5	3
Z-85	20	ESADZ850	5	4/6/2006	3	5	4/6/2006	5	3
Z-86	20	EPHNZ860	18	4/6/2006	9	18	4/6/2006	18	9
Z-87	20	ESFNZ870	8	4/6/2006	4	8	4/6/2006	8	4
Z-88	20	ENGNZ880	8	4/6/2006	4	8	4/6/2006	8	4
Z-89	20	ESFNZ890	8	4/6/2006	4	8	4/6/2006	8	4
Z-90	20	ENGNZ900	5	4/6/2006	3	5	4/6/2006	5	3
Z-91	20	ESFNZ910	5	4/6/2006	3	5	4/6/2006	5	3

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R13

Leakage Rate and Acceptance Criteria

Unit 3 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	20	10/28/2004		20	10/28/2004		
6	1000	DWEV062	178	10/1/2007	20	178	10/1/2007	178	20
	3000	FPEV089	59	10/5/2004		59	10/5/2004		
7	3000	FPEV090	51	10/5/2004	51	51	10/5/2004	59	51
	1500	RDAUV0023	10	2/13/2007		10	2/13/2007		
	1500	RDBUV0024	124	10/23/2007		78	10/24/2007		
9	1500	RDBUV0407	20	11/10/2004	10	20	11/10/2004	98	10
21	4000	SIAV164	741	10/12/2004	741	741	10/12/2004	741	741
22	4000	SIBV165	630	11/12/2007	630	540	11/17/2007	630	630
	500	HCBUV0044	17	10/18/2004		17	10/18/2004		
25A	500	HCAUV0045	28	10/18/2004	17	28	10/18/2004	28	17
	500	HCAUV0046	28	10/18/2004		28	10/18/2004		
25B	500	HCBUV0047	17	10/18/2004	17	17	10/18/2004	28	17
	1000	SIAUV0682	2	4/11/2006		2	4/11/2006		
	1000	SIEV463	20	10/21/2007		12	11/16/2007		
28	250	SIEPSV0474	20	10/21/2007	20	12	11/16/2007	12	2
	400	GAEV015	79	10/6/2007		79	10/6/2007		
29	400	GAAUV0002	3	10/6/2007	3	3	10/6/2007	79	3
	500	GAEV011	54	10/8/2007		54	10/8/2007		
30	500	GAAUV0001	133	11/3/2007	54	97	12/19/2007	97	54
	1000	IAEV021	12	10/22/2004		12	10/22/2004		
31	1000	IAAUV0002	20	10/22/2004	12	20	10/22/2004	20	12
	4000	NCEV118	160	11/1/2004		160	11/1/2004		
33	4000	NCBUV0401	20	4/21/2006	20	20	4/21/2006	160	20
	4000	NCAUV0402	103	10/6/2007		60	10/10/2007		
	4000	NCBUV0403	7	5/5/2006		7	5/5/2006		
34	1000	NCEPSV0617	103	10/6/2007	2	60	10/10/2007	67	60
	1000	HPAUV0001	149	10/16/2007		435	11/27/2007		
	1000	HPAUV0003	16	2/10/2006		16	2/10/2006		
	500	HPAHV0007A	280	10/4/2004		280	10/4/2004		
35	500	HPAUV0024	274	10/4/2004	149	274	10/4/2004	435	296

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
	1000	HPBUV0002	68	10/16/2007		189	12/1/2007		
	1000	HPBUV0004	200	3/29/2007		200	3/29/2007		
36	500	HPBHV0008A	21	10/6/2004	68	21	10/6/2004	221	189
	1000	HPAV002	1242	10/16/2007		38	11/20/2007		
	1000	HPAUV0005	18	10/16/2007		18	10/16/2007		
	500	HPAHV0007B	18	10/16/2007		18	10/16/2007		
38	250	HPAUV0023	18	10/16/2007	18	18	10/16/2007	38	18
	1000	HPBV004	11	10/6/2004		11	10/6/2004		
	1000	HPBUV0006	130	10/18/2007		130	10/18/2007		
39	500	HPBHV0008B	20	10/7/2004	11	20	10/7/2004	150	11
	1000	CHAUV0516	178	10/12/2007		20	11/9/2007		
	1000	CHBUV0523	2	5/1/2006		2	5/1/2006		
40	1000	CHBUV0924	20	11/9/2007	22	88	11/29/2007	90	20
	1000	CHEVM70	22	10/11/2007		42	11/20/2007		
	750	CHAHV0524	72	10/11/2007		30	11/20/2007		
41	750	CHEV854	435	4/11/2006	22	435	4/11/2006	465	42
	1000	SSBUV0201	541	10/5/2007		2	11/15/2007		
42A	1000	SSAUV0204	148	10/5/2007	148	148	10/5/2007	148	2
	1000	SSBUV0202	236	10/5/2007		236	10/5/2007		
42B	1000	SSAUV0205	123	10/5/2007	123	123	10/5/2007	236	123
	1000	SSBUV0200	113	10/6/2007		113	10/6/2007		
42C	1000	SSAUV0203	133	10/6/2007	113	133	10/6/2007	133	113
	500	CHBUV0505	6	10/10/2007		20	10/25/2007		
43	500	CHAUV0506	2	4/5/2006	2	2	4/25/2006	20	2
	1000	CHAUV0560	103	10/29/2004		103	10/29/2004		
44	1000	CHBUV0561	78	5/1/2006	78	78	5/1/2006	103	78
	500	CHNV494	5	10/21/2007		5	10/21/2007		
	500	CHAUV0580	83	10/31/2004		83	10/31/2004		
45	250	CHAUV0715	83	10/31/2004	5	83	10/31/2004	83	5
	1500	PCEV070	140	10/29/2004		140	10/29/2004		
50	1500	PCEV071	94	10/28/2004	94	94	10/28/2004	140	94
	1500	PCEV075	20	11/19/2004		20	11/19/2004		
51	1500	PCEV076	20	11/19/2004	20	20	11/19/2004	20	20
	500	GRAUV0001	94	10/18/2007		82	12/7/2007		
52	500	GRBUV0002	75	10/26/2004	75	75	10/26/2004	82	75
53	500	PCEU53	12	5/5/2006	6	21	12/25/2007	21	11
58	20	CLEU58	2	5/4/2006	1	3	12/23/2007	3	2
	1500	IAEV072	272	10/3/2004		272	10/3/2004		
59	1500	IAEV073	527	12/22/2007	272	437	12/23/2007	437	272

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	154	10/21/2004		154	10/21/2004		
60	4000	WCBUV0063	209	11/2/2007	154	209	11/2/2007	209	154
	4000	WCBUV0061	140	4/21/2006		140	4/21/2006		
61	4000	WCAUV0062	94	11/1/2007	94	94	11/1/2007	140	94
62B	20	CLEU62B	2	10/17/2007	1	2	10/18/2007	2	1
62C	20	CLEU62C	2	10/17/2007	1	2	10/18/2007	2	1
	750	CHNV835	2	10/8/2004		2	10/8/2004		
72	750	CHBHV0255	101	10/10/2007	2	4	11/22/2007	4	2
L-2	240	ZCNM03	2	5/6/2006	1	200	12/29/2007	200	100
Electrical Penetrations									
Z-1	20	ENGNZ010	7	10/3/2007	4	7	10/3/2007	7	4
Z-2	20	ESFNZ020	7	10/3/2007	4	7	10/3/2007	7	4
Z-3	20	ENGNZ030	7	10/3/2007	4	7	10/3/2007	7	4
Z-4	20	ESFNZ040	7	10/3/2007	4	7	10/3/2007	7	4
Z-5	20	ENGNZ050	7	10/3/2007	4	7	10/3/2007	7	4
Z-6	20	ENHNZ060	7	10/3/2007	4	7	10/3/2007	7	4
Z-7	20	ENGNZ070	2	10/3/2007	1	2	10/3/2007	2	1
Z-8	20	ENHNZ080	2	10/3/2007	1	2	10/3/2007	2	1
Z-9	20	ENHNZ090	15	10/3/2007	8	15	10/3/2007	15	8
Z-10	20	ENHNZ100	18	10/3/2007	9	18	10/3/2007	18	9
Z-11	20	ENGNZ110	17	10/3/2007	9	17	10/3/2007	17	9
Z-12	20	ENHNZ120	2	10/3/2007	1	2	10/3/2007	2	1
Z-13	20	ENGNZ130	9	10/3/2007	5	9	10/3/2007	9	5
Z-14	20	EQFNZ140	6	10/3/2007	3	6	10/3/2007	6	3
Z-15	20	ENHNZ150	15	10/3/2007	8	15	10/3/2007	15	8
Z-16	20	ENHNZ160	2	10/3/2007	1	2	10/3/2007	2	1
Z-17	20	ENHNZ170	4	10/3/2007	2	4	10/3/2007	4	2
Z-18	20	ESFNZ180	5	4/27/2006	3	2	11/19/2007	2	1
Z-19	20	ENHNZ190	17	10/3/2007	9	17	10/3/2007	17	9
Z-20	20	ENHNZ200	2	10/3/2007	1	2	10/3/2007	2	1
Z-21	20	ENHNZ210	15	10/3/2007	8	15	10/3/2007	15	8
Z-22	20	ESFCZ220	2	10/3/2007	1	2	10/3/2007	2	1
Z-23	20	EPHCZ230	15	10/3/2007	8	15	10/3/2007	15	8
Z-24	20	EPHCZ240	5	4/27/2006	3	2	12/5/2007	2	1
Z-25	20	ESFCZ250	4	4/12/2000	2	4	4/12/2000	4	2
Z-26	20	ESFCZ260	4	4/12/2000	2	4	4/12/2000	4	2
Z-27	20	ESFCZ270	4	4/12/2000	2	4	4/12/2000	4	2
Z-28	20	ESACZ280	4	4/12/2000	2	4	4/12/2000	4	2
Z-29	20	EPHCZ290	4	4/12/2000	2	4	4/12/2000	4	2

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	4	4/12/2000	2	4	4/12/2000	4	2
Z-31	20	ENANZ310	3	4/12/2006	2	3	4/12/2006	3	2
Z-32	20	ENGNZ320	3	4/3/2006	2	3	4/3/2006	3	2
Z-33	20	ENANZ330	3	9/30/2007	2	2	12/19/2007	2	1
Z-34	20	EPHBZ340	2	9/30/2007	1	2	12/4/2007	2	1
Z-35	20	ERIBZ350	2	4/4/2006	1	2	4/4/2006	2	1
Z-36	20	ESEBZ360	3	4/3/2006	2	3	4/3/2006	3	2
Z-37	20	ESABZ370	3	4/4/2006	2	3	4/4/2006	3	2
Z-38	20	ESFBZ380	2	4/4/2006	1	2	4/4/2006	2	1
Z-39	20	EPHBZ390	2	4/4/2006	1	2	4/4/2006	2	1
Z-40	20	ERIBZ400	17	4/4/2006	9	17	4/4/2006	17	9
Z-41	20	EPHBZ410	2	4/4/2006	1	2	4/4/2006	2	1
Z-42	20	ESFBZ420	2	4/4/2006	1	2	4/4/2006	2	1
Z-43	20	EPHNZ430	14	4/4/2006	7	14	4/4/2006	14	7
Z-44	20	ENANZ440	2	4/13/2006	1	2	4/13/2006	2	1
Z-45	20	ENANZ450	7	4/14/2006	4	7	4/14/2006	7	4
Z-46	20	EPHAZ460	2	10/2/2007	1	2	10/2/2007	2	1
Z-47	20	ESAAZ470	5	10/1/2007	3	5	10/1/2007	5	3
Z-48	20	EPHAZ480	2	10/2/2007	1	2	10/2/2007	2	1
Z-49	20	ERIAZ490	5	10/1/2007	3	5	10/1/2007	5	3
Z-50	20	ESFAZ500	5	10/1/2007	3	5	10/1/2007	5	3
Z-51	20	ESEAZ510	18	9/30/2007	9	18	9/30/2007	18	9
Z-52	20	ERIAZ520	18	9/30/2007	9	18	9/30/2007	18	9
Z-53	20	EHCNZ530	18	9/30/2007	9	18	9/30/2007	18	9
Z-54	20	ENGNZ540	3	10/2/2007	2	3	10/2/2007	3	2
Z-55	20	ENHNZ550	18	9/30/2007	9	18	9/30/2007	18	9
Z-56	20	ESFNZ560	6	10/2/2007	3	6	10/2/2007	6	3
Z-57	20	EQFNZ570	18	9/30/2007	9	18	9/30/2007	18	9
Z-58	20	ESFNZ580	6	10/2/2007	3	6	10/2/2007	6	3
Z-59	20	ENHNZ590	16	9/30/2007	8	16	9/30/2007	16	8
Z-60	20	ENGNZ600	17	10/2/2007	9	17	10/2/2007	17	9
Z-61	20	ENHNZ610	12	9/30/2007	6	9	10/19/2007	9	5
Z-62	20	ENGNZ620	17	10/2/2007	9	17	10/2/2007	17	9
Z-63	20	ENHNZ630	16	9/30/2007	8	16	9/30/2007	16	8
Z-64	20	ESFNZ640	17	10/2/2007	9	17	10/2/2007	17	9
Z-65	20	ENHNZ650	16	9/30/2007	8	16	9/30/2007	16	8
Z-66	20	ESFNZ660	17	10/2/2007	9	17	10/2/2007	17	9
Z-67	20	ENHNZ670	16	9/30/2007	8	16	9/30/2007	16	8
Z-68	20	ENGNZ680	17	10/2/2007	9	17	10/2/2007	17	9

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R13

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	16	9/30/2007	8	16	9/30/2007	16	8
Z-70	20	ENANZ700	3	4/12/2006	2	3	4/12/2006	3	2
Z-71	20	ENGNZ710	3	4/6/2006	2	3	4/6/2006	3	2
Z-72	20	ESFNZ720	4	4/6/2006	2	4	4/6/2006	4	2
Z-73	20	ENHNZ730	4	4/6/2006	2	4	4/6/2006	4	2
Z-74	20	ESFNZ740	4	4/6/2006	2	4	4/6/2006	4	2
Z-75	20	ESENZ750	4	4/6/2006	2	4	4/6/2006	4	2
Z-76	20	ESFNZ760	4	4/6/2006	2	4	4/6/2006	4	2
Z-77	20	ESFDZ770	4	4/6/2006	2	4	4/6/2006	4	2
Z-78	20	ESFDZ780	4	4/6/2006	2	4	4/6/2006	4	2
Z-79	20	ERIDZ790	4	4/6/2006	2	4	4/6/2006	4	2
Z-80	20	ESFNZ800	2	9/30/2007	1	2	12/4/2007	2	1
Z-81	20	ESADZ810	4	4/6/2006	2	4	4/6/2006	4	2
Z-82	20	ESFNZ820	5	4/6/2006	3	5	4/6/2006	5	3
Z-83	20	ESFDZ830	5	4/6/2006	3	5	4/6/2006	5	3
Z-84	20	ESFNZ840	5	4/6/2006	3	5	4/6/2006	5	3
Z-85	20	ESADZ850	2	10/1/2007	1	2	12/4/2007	2	1
Z-86	20	EPHNZ860	18	4/6/2006	9	18	4/6/2006	18	9
Z-87	20	ESFNZ870	8	4/6/2006	4	8	4/6/2006	8	4
Z-88	20	ENGNZ880	8	4/6/2006	4	8	4/6/2006	8	4
Z-89	20	ESFNZ890	8	4/6/2006	4	8	4/6/2006	8	4
Z-90	20	ENGNZ900	5	4/6/2006	3	5	4/6/2006	5	3
Z-91	20	ESFNZ910	5	4/6/2006	3	5	4/6/2006	5	3

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R14

Appendix F - Leakage Rate Summation and Acceptance Criteria

(Unit 3, 3R14 Spring Outage, STWO# 2964093)

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
Mechanical Penetrations									
	1000	DWEV061	318	4/5/2009		318	4/5/2009		
6	1000	DWEV062	178	10/1/2007	178	178	10/1/2007	318	178
	3000	FPEV089	140	4/7/2009		140	4/7/2009		
7	3000	FPEV090	112	4/7/2009	112	112	4/7/2009	140	112
	1500	RDAUV0023	59	4/7/2009		59	4/7/2009		
	1500	RDBUV0024	64	4/7/2009		64	4/7/2009		
9	1500	RDBUV0407	64	4/7/2009	59	64	4/7/2009	64	59
21	4000	SIAV164	810	4/10/2009	810	160	5/6/2009	160	160
22	4000	SIBV165	438	4/14/2009	438	438	4/14/2009	438	438
	500	HCBUV0044	20	4/11/2009		20	4/11/2009		
25A	500	HCAUV0045	20	4/11/2009	20	20	4/11/2009	20	20
	500	HCAUV0046	20	4/11/2009		20	4/11/2009		
25B	500	HCBUV0047	20	4/11/2009	20	20	4/11/2009	20	20
	1000	SIAUV0682	2	4/7/2006		2	4/7/2006		
	1000	SIEV463	12	11/16/2007		12	11/16/2007		
28	250	SIEPSV0474	12	11/16/2007	12	12	11/16/2007	14	12
	400	GAEV015	79	10/6/2007		79	10/6/2007		
29	400	GAAUV0002	3	10/6/2007	3	3	10/6/2007	79	3
	500	GAEV011	54	10/8/2007		54	10/8/2007		
30	500	GAAUV0001	83	4/8/2009	54	106	4/25/2009	106	54
	1000	IAEV021	34	4/20/2009		34	4/20/2009		
31	1000	IAAUV0002	3	4/20/2009	3	3	4/20/2009	34	3
	4000	NCEV118	>20000	4/14/2009		323	4/26/2009		
33	4000	NCBUV0401	20	4/13/2009	20	20	4/26/2009	323	20
	4000	NCAUV0402	335	4/12/2009		335	4/12/2009		
	4000	NCBUV0403	7	5/5/2006		7	5/5/2006		
34	1000	NCEPSV0617	335	4/12/2009	335	40	4/26/2009	335	47
	1000	HPAUV0001	435	11/27/2007		435	11/27/2007		
	1000	HPAUV0003	8	4/10/2009		117	4/26/2009		
	500	HPAHV0007A	8	4/10/2009		8	4/10/2009		
35	500	HPAUV0024	8	4/10/2009	16	8	4/10/2009	435	125

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	1000	HPBUV0002	189	12/1/2007		189	12/1/2007		
	1000	HPBUV0004	116	4/13/2009		39	4/26/2009		
36	500	HPBHV0008A	116	4/13/2009	116	116	4/13/2009	189	155
	1000	HPAV002	21	4/9/2009		21	4/9/2009		
	1000	HPAUV0005	20	4/9/2009		20	4/15/2009		
	500	HPAHV0007B	18	10/16/2007		18	10/16/2007		
38	250	HPAUV0023	18	10/16/2007	21	18	10/16/2007	38	21
	1000	HPBV004	27	4/9/2009		20	5/2/2009		
	1000	HPBUV0006	110	4/9/2009		72	5/2/2009		
39	500	HPBHV0008B	20	10/7/2004	27	20	10/7/2004	92	20
	1000	CHAUV0516	20	4/13/2009		88	5/4/2009		
	1000	CHBUV0523	20	4/13/2009		102	5/4/2009		
40	1000	CHBUV0924	20	4/13/2009	20	102	5/4/2009	102	88
	1000	CHEVM70	>20000	4/12/2009		88	4/21/2009		
	750	CHAHV0524	91	4/12/2009		52	4/21/2009		
41	750	CHEV854	435	4/11/2006	526	435	4/11/2006	487	88
	1000	SSBUV0201	162	4/18/2009		162	4/18/2009		
42A	1000	SSAUV0204	112	4/18/2009	112	112	4/18/2009	162	112
	1000	SSBUV0202	460	4/17/2009		460	4/17/2009		
42B	1000	SSAUV0205	930	4/17/2009	460	930	4/17/2009	930	460
	1000	SSBUV0200	20	4/18/2009		20	4/18/2009		
42C	1000	SSAUV0203	42	4/18/2009	20	42	4/18/2009	42	20
	500	CHBUV0505	20	10/25/2007		20	10/25/2007		
43	500	CHAUV0506	20	4/10/2009	20	20	4/15/2009	20	20
	1000	CHAUV0560	110	4/19/2009		110	5/2/2009		
44	1000	CHBUV0561	83	4/19/2009	83	272	5/2/2009	272	110
	500	CHNV494	5	10/21/2007		5	10/21/2007		
	500	CHAUV0580	26	4/18/2009		26	4/18/2009		
45	250	CHAUV0715	26	4/18/2009	5	26	4/18/2009	26	5
	1500	PCEV070	20	4/6/2009		20	4/6/2009		
50	1500	PCEV071	68	4/6/2009	20	68	4/6/2009	68	20
	1500	PCEV075	90	5/13/2009		90	5/13/2009		
51	1500	PCEV076	128	5/13/2009	90	128	5/13/2009	128	90
	500	GRAUV0001	82	12/7/2007		82	12/7/2007		
52	500	GRBUV0002	20	4/20/2009	20	20	4/20/2009	82	20
53	1000/500/500	PCEU53	21	12/25/2007	11	17	5/15/2009	17	9
58	20	CLEU58	3	12/23/2007	2	3	5/17/2009	3	2
	1500	IAEV072	296	4/7/2009		296	4/7/2009		
59	1500	IAEV073	235	4/7/2009	235	235	4/7/2009	296	235

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND Leakage SCCM	AS FOUND Date Tested	AS FOUND Min. Path. Leakage SCCM	AS LEFT Leakage SCCM	AS LEFT Date Tested	AS LEFT Max. Path. Leakage SCCM	AS LEFT Min. Path. Leakage SCCM
	4000	WCEV039	20	4/21/2009		20	4/21/2009		
60	4000	WCBUV0063	220	4/20/2009	20	220	4/20/2009	220	20
	4000	WCBUV0061	41	4/20/2009		64	4/21/2009		
61	4000	WCAUV0062	20	4/20/2009	20	33	4/21/2009	64	33
62B	20	CLEU62B	2	10/18/2007	1	2	10/18/2007	2	1
62C	20	CLEU62C	2	10/18/2007	1	2	10/18/2007	2	1
	750	CHNV835	385	4/9/2009		380	4/24/2009		
72	750	CHBHV0255	3	4/9/2009	3	47	4/24/2009	380	47
L-2	240	ZCNM03	200	12/29/2007	100	2	5/16/2009	2	1
Electrical Penetrations									
Z-1	20	ENGNZ010	7	10/3/2007	7	7	10/3/2007	7	7
Z-2	20	ESFNZ020	7	10/3/2007	7	7	10/3/2007	7	7
Z-3	20	ENGNZ030	7	10/3/2007	7	7	10/3/2007	7	7
Z-4	20	ESFNZ040	7	10/3/2007	7	7	10/3/2007	7	7
Z-5	20	ENGNZ050	7	10/3/2007	7	7	10/3/2007	7	7
Z-6	20	ENHNZ060	7	10/3/2007	7	7	10/3/2007	7	7
Z-7	20	ENGNZ070	2	10/3/2007	2	2	10/3/2007	2	2
Z-8	20	ENHNZ080	2	10/3/2007	2	2	10/3/2007	2	2
Z-9	20	ENHNZ090	15	10/3/2007	15	15	10/3/2007	15	15
Z-10	20	ENHNZ100	18	10/3/2007	18	18	10/3/2007	18	18
Z-11	20	ENGNZ110	17	10/3/2007	17	17	10/3/2007	17	17
Z-12	20	ENHNZ120	2	10/3/2007	2	2	10/3/2007	2	2
Z-13	20	ENGNZ130	9	10/3/2007	9	9	10/3/2007	9	9
Z-14	20	EQFNZ140	6	10/3/2007	6	6	10/3/2007	6	6
Z-15	20	ENHNZ150	15	10/3/2007	15	15	10/3/2007	15	15
Z-16	20	ENHNZ160	2	10/3/2007	2	2	10/3/2007	2	2
Z-17	20	ENHNZ170	4	10/3/2007	4	4	10/3/2007	4	4
Z-18	20	ESFNZ180	2	11/19/2007	2	4	5/8/2009	4	4
Z-19	20	ENHNZ190	17	10/3/2007	17	17	10/3/2007	17	17
Z-20	20	ENHNZ200	2	10/3/2007	2	2	10/3/2007	2	2
Z-21	20	ENHNZ210	15	10/3/2007	15	15	10/3/2007	15	15
Z-22	20	ESFCZ220	2	10/3/2007	2	2	10/3/2007	2	2
Z-23	20	EPHCZ230	15	10/3/2007	15	15	10/3/2007	15	15
Z-24	20	EPHCZ240	2	12/5/2007	2	2	5/8/2009	2	2
Z-25	20	ESFCZ250	11	4/22/2009	11	11	4/22/2009	11	11
Z-26	20	ESFCZ260	11	4/22/2009	11	11	4/22/2009	11	11
Z-27	20	ESFCZ270	11	4/22/2009	11	11	4/22/2009	11	11
Z-28	20	ESACZ280	11	4/22/2009	11	11	4/22/2009	11	11
Z-29	20	EPHCZ290	9	4/22/2009	9	9	4/22/2009	9	9

Attachment 6

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-30	20	ERICZ300	9	4/22/2009	9	9	4/22/2009	9	9
Z-31	20	ENANZ310	3	4/12/2006	3	3	4/12/2006	3	3
Z-32	20	ENGNZ320	3	4/3/2006	3	3	4/3/2006	3	3
Z-33	20	ENANZ330	3	9/30/2007	3	2	12/19/2007	2	2
Z-34	20	EPHBZ340	2	9/30/2007	2	2	12/4/2007	2	2
Z-35	20	ERIBZ350	2	4/4/2006	2	2	4/4/2006	2	2
Z-36	20	ESEBZ360	3	4/3/2006	3	3	4/3/2006	3	3
Z-37	20	ESABZ370	3	4/4/2006	3	3	4/4/2006	3	3
Z-38	20	ESFBZ380	2	4/4/2006	2	2	4/4/2006	2	2
Z-39	20	EPHBZ390	2	4/4/2006	2	2	4/4/2006	2	2
Z-40	20	ERIBZ400	17	4/4/2006	17	17	4/4/2006	17	17
Z-41	20	EPHBZ410	2	4/4/2006	2	2	4/4/2006	2	2
Z-42	20	ESFBZ420	2	4/4/2006	2	2	4/4/2006	2	2
Z-43	20	EPHNZ430	14	4/4/2006	14	14	4/4/2006	14	14
Z-44	20	ENANZ440	2	4/13/2006	2	2	4/13/2006	2	2
Z-45	20	ENANZ450	7	4/14/2006	7	7	4/14/2006	7	7
Z-46	20	EPHAZ460	2	10/2/2007	2	2	10/2/2007	2	2
Z-47	20	ESAAZ470	5	10/1/2007	5	5	10/1/2007	5	5
Z-48	20	EPHAZ480	2	10/2/2007	2	2	10/2/2007	2	2
Z-49	20	ERIAZ490	5	10/1/2007	5	5	10/1/2007	5	5
Z-50	20	ESFAZ500	5	10/1/2007	5	5	10/1/2007	5	5
Z-51	20	ESEAZ510	18	9/30/2007	18	18	9/30/2007	18	18
Z-52	20	ERIAZ520	18	9/30/2007	18	18	9/30/2007	18	18
Z-53	20	EHCNZ530	18	9/30/2007	18	18	9/30/2007	18	18
Z-54	20	ENGNZ540	3	10/2/2007	3	3	10/2/2007	3	3
Z-55	20	ENHNZ550	18	9/30/2007	18	18	9/30/2007	18	18
Z-56	20	ESFNZ560	6	10/2/2007	6	6	10/2/2007	6	6
Z-57	20	EQFNZ570	18	9/30/2007	18	18	9/30/2007	18	18
Z-58	20	ESFNZ580	6	10/2/2007	6	6	10/2/2007	6	6
Z-59	20	ENHNZ590	16	9/30/2007	16	16	9/30/2007	16	16
Z-60	20	ENGNZ600	17	10/2/2007	17	17	10/2/2007	17	17
Z-61	20	ENHNZ610	17	4/22/2009	17	17	4/22/2009	17	17
Z-62	20	ENGNZ620	17	10/2/2007	17	17	10/2/2007	17	17
Z-63	20	ENHNZ630	16	9/30/2007	16	16	9/30/2007	16	16
Z-64	20	ESFNZ640	17	10/2/2007	17	17	10/2/2007	17	17
Z-65	20	ENHNZ650	16	9/30/2007	16	16	9/30/2007	16	16
Z-66	20	ESFNZ660	17	10/2/2007	17	17	10/2/2007	17	17
Z-67	20	ENHNZ670	16	9/30/2007	16	16	9/30/2007	16	16
Z-68	20	ENGNZ680	17	10/2/2007	17	17	10/2/2007	17	17

CONTAINMENT LEAKAGE TYPE "B" AND "C" TESTING, UNIT 3 R14

Pen. No.	Allowable Leak Rate	Component ID. No.	AS FOUND			AS LEFT			
			Leakage SCCM	Date Tested	Min. Path. Leakage SCCM	Leakage SCCM	Date Tested	Max. Path. Leakage SCCM	Min. Path. Leakage SCCM
Z-69	20	ENGNZ690	16	9/30/2007	16	16	9/30/2007	16	16
Z-70	20	ENANZ700	3	4/12/2006	3	3	4/12/2006	3	3
Z-71	20	ENGNZ710	3	4/6/2006	3	3	4/6/2006	3	3
Z-72	20	ESFNZ720	4	4/6/2006	4	4	4/6/2006	4	4
Z-73	20	ENHNZ730	4	4/6/2006	4	4	4/6/2006	4	4
Z-74	20	ESFNZ740	4	4/6/2006	4	4	4/6/2006	4	4
Z-75	20	ESENZ750	4	4/6/2006	4	4	4/6/2006	4	4
Z-76	20	ESFNZ760	4	4/6/2006	4	4	4/6/2006	4	4
Z-77	20	ESFDZ770	4	4/6/2006	4	4	4/6/2006	4	4
Z-78	20	ESFDZ780	4	4/6/2006	4	4	4/6/2006	4	4
Z-79	20	ERIDZ790	4	4/6/2006	4	4	4/6/2006	4	4
Z-80	20	ESFNZ800	2	9/30/2007	2	2	12/4/2007	2	2
Z-81	20	ESADZ810	4	4/6/2006	4	4	4/6/2006	4	4
Z-82	20	ESFNZ820	5	4/6/2006	5	5	4/6/2006	5	5
Z-83	20	ESFDZ830	5	4/6/2006	5	5	4/6/2006	5	5
Z-84	20	ESFNZ840	5	4/6/2006	5	5	4/6/2006	5	5
Z-85	20	ESADZ850	2	10/1/2007	2	2	12/4/2007	2	2
Z-86	20	EPHNZ860	18	4/6/2006	18	18	4/6/2006	18	18
Z-87	20	ESFNZ870	8	4/6/2006	8	8	4/6/2006	8	8
Z-88	20	ENGNZ880	8	4/6/2006	8	8	4/6/2006	8	8
Z-89	20	ESFNZ890	8	4/6/2006	8	8	4/6/2006	8	8
Z-90	20	ENGNZ900	5	4/6/2006	5	5	4/6/2006	5	5
Z-91	20	ESFNZ910	5	4/6/2006	5	5	4/6/2006	5	5

Unit 3 100 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 /**
Penetration / EQ IDs: **L3 / 3CZCNM02**
Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2458177	5/8/2002	187
2546120	2/20/2004	580
2703113	5/29/2005	780
2806545	6/14/2006	731
2921651	3/27/2007	931
3179576	3/7/2009	1002

Unit 3 140 ft Airlock Barrel Test

ST Procedure / SWMS RT: **73ST-9CL05 /**
Penetration / EQ IDs: **L1 / 3CZCNM01**
Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2371579	5/9/2001	2529
2574500	3/13/2003	687
2663230	1/11/2005	696
2921336	8/30/2006	896
2818510	11/23/2006	2502
3027731	3/10/2009	3503

Unit 3 42" Purge Supply LLRT

ST Procedure / SWMS RT: **73ST-9CL06 / 054855**
Penetration / EQ IDs: **56 / 3JCPBUV0003A (inboard); 3JCPAUV0002A (outboard)**
Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
884552	7/28/1999	280
900825	11/23/1999	20 (16)
909540	4/25/2000	350
233692	10/24/2000	200 (100)
2341490	11/30/2000	7040
2350873	2/25/2001	8690
2359538	3/6/2001	4
2371526	10/29/2001	39
2483346	4/27/2003	4
2658701	11/21/2004	10
2796239	5/6/2006	53
2937501	12/30/2007	82
3142200	5/17/2009	12

Notes:

1 Units for flow rate are standard cubic centimeters per minute (sccm).
2 Test results are shown with indicated value, if applicable, in parentheses. For example, "200 (5)" means indicated flow was 5 sccm, but since the leak rate monitor that was used is not calibrated below 200 sccm, the low value of the calibrated range is reported as the test result.

Unit 3 8" Power Access Purge LLRT

ST Procedure / SWMS RT: **73ST-9CL07 /**
Penetration / EQ IDs: **78 (Supply) / 3JCPBUV0005A (inboard valve)**
3JCPAUV0004A (outboard valve)
79 (Exhaust) / 3JCPAUV0004B (inboard valve)
3JCPBUV0005B (outboard valve)
Acceptance Criteria: **≤ 0.01 La (2320 sccm)**

STWO #	Date	Pen 78	Pen 79
2511776	4/22/2003	4	98
2488315	06/03/03	200(2)	200(11)
2514831	8/26/2003	22.3	78.7
2549141	11/18/2003	200	219
2572510	2/10/2004	9	18
2582127	5/6/2004	200(35)	200(76)
2594705	07/27/04	20	20
2624155	10/28/2004	21	27
2663229	1/11/2005	40	83
2696329	4/5/2005	55	176
2703178	6/28/2005	22	41
2703179	9/20/2005	99	199
2703180	12/13/2005	202	216
2728591	3/7/2006	40	22
2819604	**4/14/2006**	130	79
2728592	5/30/2006	23	72
2769494	8/22/2006	54	64
2793459	11/14/2006	69	42
2853641	2/6/2007	30	30
2876252	5/1/2007	18	13
2887822	8/3/2007	85	109
2910415	**12/31/2007**	57	127
2985654	4/1/2008	79	67
3006866	6/24/2008	30	30
3042464	9/16/2008	71	
3042464	9/17/2008		23
3089783	12/9/2008	57	57
2977100	3/3/2009	85	100
3167346	4/25/2009	327	323

Notes:

1 Units for flow rate are standard cubic centimeters per minute (sccm).
2 Test results are shown with indicated value, if applicable, in parentheses. For example, "200 (5)" means indicated flow was 5 sccm, but since the leak rate monitor that was used is not calibrated below 200 sccm, the low value of the calibrated range is reported as the test result.

Unit 3 42" Purge Exhaust LLRT

ST Procedure / SWMS RT: **73ST-9CL10 / 054866**

Penetration / EQ IDs: **57 / 3JCPAUV0002B (inboard); 3JCPBUV0003B (outboard)**

Acceptance Criteria: **≤0.05 La (11,604 sccm)**

STWO #	Date	Result
2483347	4/26/2003	61
2658703	11/21/2004	28
2796240	5/6/2006	7
2937502	12/30/2007	5

Attachment 7

to
Question 1.1(c)

Attachment 7: Type A (ILRT) Test Data

Unit	Test Date	As-Found		As-Left		
		Leak Savings	Total	Type B/C Penalties	Water Vol Corr	Total
Unit 1	Dec-82	*	*0.0142	*	*	*0.0142
	May-86	*	*0.0664	*	*	*0.0664
	Feb-90	0.00054	0.067	0.0005	0	0.066
	Nov-99	0.00215	0.05759	0.00104	0	0.05544

Unit	Test Date	As-Found		As-Left		
		Leak Savings	Total	Type B/C Penalties	Water Vol Corr	Total
Unit 2	Feb-85	*	*0.0092	*	*	*0.0092
	Jun-88	*	*0.0599	*	*	*0.0599
	Dec-91	0.052	0.083	0	0	0.031
	Nov-00	0.0002	0.0417	0.0011	0	0.0415

Unit	Test Date	As-Found		As-Left		
		Leak Savings	Total	Type B/C Penalties	Water Vol Corr	Total
Unit 3	Sep-86	*	*0.0521	*	*	*0.0521
	Apr-91	0.002	0.064	0.002	0	0.062
	Apr-00	0.0001	0.0514	0.0022	0.0001	0.0513

Notes:

All parameters in this table have the units of % containment air weight per day.

The maximum allowable containment leakage rate value specified in the plant Technical Specifications, La, is 0.1% of containment air weight per day.

The leakage rate acceptance criterion for Type A tests is 0.75 La.

*The test reports from the ILRTs performed in the 1980s do not discuss leakage savings, water volume corrections, or Type B/C penalties. Therefore just the results of the containment pressurization tests are given here.

Attachment 8

Updated Markup TS Page 5.5-16

5.5 Programs and Manuals (continued)

5.5.16 Containment Leakage Rate Testing Program (continued)

3. The first Type A test performed after the Unit 1 November 1999 Type A test shall be prior to November 4, 2014.

4. The first Type A test performed after the Unit 2 November 2000 Type A test shall be prior to November 2, 2015.

5. The first Type A test performed after the Unit 3 April 2000 Type A test shall be prior to April 27, 2015.

b. The peak calculated containment internal pressure for the design basis loss of coolant accident, P_a, is 52.0 psig for Unit 1 through operating cycle 12 and Unit 3 through operating cycle 13, and 58.0 psig for Unit 1 after operating cycle 12, Unit 2, and Unit 3 after operating cycle 13. The containment design pressure is 60 psig.

c. The maximum allowable containment leakage rate, L_a, at P_a, shall be 0.1 % of containment air weight per day.

d. Leakage Rate acceptance criteria are:

1. Containment leakage rate acceptance criterion is $\leq 1.0\ L_a$. During the first unit startup following testing in accordance with this program, the leakage rate acceptance are $< 0.60\ L_a$ for the Type B and C tests and $\leq 0.75\ L_a$ for Type A tests.

2. Air lock testing acceptance criteria are:

a) Overall air lock leakage rate is $\leq 0.05\ L_a$ when tested at $\geq P_a$.

b) For each door, leakage rate is $\leq 0.01\ L_a$ when pressurized to ≥ 14.5 psig.

e. The provisions of SR 3.0.2 do not apply to the test frequencies in the Containment Leakage Rate Testing Program.

f. The provisions of SR 3.0.3 are applicable to the Containment Leakage Rate Testing Program.

(continued)

Attachment 9

Updated Retyped TS Page 5.5-16

5.5 Programs and Manuals (continued)

5.5.16 Containment Leakage Rate Testing Program (continued)

3. The first Type A test performed after the Unit 1 November 1999 Type A test shall be prior to November 4, 2014.

4. The first Type A test performed after the Unit 2 November 2000 Type A test shall be prior to November 2, 2015.

5. The first Type A test performed after the Unit 3 April 2000 Type A test shall be prior to April 27, 2015.

b. The peak calculated containment internal pressure for the design basis loss of coolant accident, P_a, is 52.0 psig for Unit 1 through operating cycle 12 and Unit 3 through operating cycle 13, and 58.0 psig for Unit 1 after operating cycle 12, Unit 2, and Unit 3 after operating cycle 13. The containment design pressure is 60 psig.

c. The maximum allowable containment leakage rate, L_a, at P_a, shall be 0.1 % of containment air weight per day.

d. Leakage Rate acceptance criteria are:

1. Containment leakage rate acceptance criterion is $\leq 1.0\ L_a$. During the first unit startup following testing in accordance with this program, the leakage rate acceptance are $< 0.60\ L_a$ for the Type B and C tests and $\leq 0.75\ L_a$ for Type A tests.

2. Air lock testing acceptance criteria are:

a) Overall air lock leakage rate is $\leq 0.05\ L_a$ when tested at $\geq P_a$.

b) For each door, leakage rate is $\leq 0.01\ L_a$ when pressurized to ≥ 14.5 psig.

e. The provisions of SR 3.0.2 do not apply to the test frequencies in the Containment Leakage Rate Testing Program.

f. The provisions of SR 3.0.3 are applicable to the Containment Leakage Rate Testing Program.

(continued)