

START

0023639

9

Date Received: <b>8-6-92 cu</b>	<b>INFORMATION RELEASE REQUEST</b>	Reference: WHC-CM-3-4
------------------------------------	------------------------------------	--------------------------

Complete for all Types of Release		
Purpose <input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape	<input type="checkbox"/> Reference <input type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input checked="" type="checkbox"/> Other WA DOH	ID Number (include revision, volume, etc.) <p style="text-align: center; font-size: 1.2em;"><b>TRAC -0654</b></p> List attachments. <p style="text-align: center;">See attachment</p> Date Release Required <p style="text-align: center; font-size: 1.2em;">08/06/92</p>

Title <b>See attachment</b>	Unclassified Category <b>UC-</b>	Impact Level <b>4</b>
-----------------------------	-------------------------------------	--------------------------

New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).	Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)
---	---

Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)	Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)
---	---

Complete for Speech or Presentation		
Title of Conference or Meeting <b>Not Applicable</b>	Group or Society Sponsoring <b>Not Applicable</b>	
Date(s) of Conference or Meeting <b>Not Applicable</b>	City/State <b>Not Applicable</b>	Will proceedings be published? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Will material be handed out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Title of Journal <b>Not Applicable</b>
---

CHECKLIST FOR SIGNATORIES			
Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval
			Name (printed)                      Signature                      Date
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Patent - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	S. W. Berglin <i>[Signature]</i> 8/5/92
Legal - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	for B. D. Williamson <i>[Signature]</i> 8/5/92
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
WHC Program/Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	G. D. Carpenter <i>[Signature]</i> 8/10/92
Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RL Program/Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	S. D. Stites <i>[Signature]</i> 8/21/92
Publication Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Information conforms to all applicable requirements. The above information is certified to be correct.

References Available to Intended Audience <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No [NA]	Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Author/Requestor (Printed/Signature) <i>[Signature]</i> Melinda J. Brown	Date 07/30/92

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP	
Stamp is required before release. Release is contingent upon resolution of mandatory comments.	
	
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External	Date Cancelled
Responsible Manager (Printed/Signature) B. G. Erlandson <i>[Signature]</i>	Date Disapproved

Lead Author	Phone 2-0409	MSIN B2-19	Other Author(s) or Requestor Melinda J. Brown		
Project or Program EH	Lead Org Code 81140		Sponsor Agency (DOE, DOT, NRC, USGS, etc.) DOE		
Editor Not Applicable	Phone	MSIN	DOE/HQ Program (DP, EH, EM, NE, etc.) EH		
Mandatory Comments (Only mandatory comments are to be documented. All other comments should be made on a copy of the information submitted for review and returned to the author.)	Reviewer Name & Signature	Date	Resolution	Reviewer Name & Signature	Date

93127610112

Legends/Notices/Markings (required per WHC-CM-3-4 or guidance organization.) (Reviewer initials)

	<u>Affix</u>			<u>Affix</u>	
	<u>Yes</u>	<u>No</u>		<u>Yes</u>	<u>No</u>
Applied Technology	[ ]	[ ]	Predecisional Information	[ ]	[ ]
Business-Sensitive Information	[ ]	[ ]	Programmatic Notice		
Computer Software Notice	[ ]	[ ]	Proprietary Information	[ ]	[ ]
Copyright License Notice	[ ]	[ ]	Purpose and Use	[ ]	[ ]
Export Controlled Information	[ ]	[ ]	Thesis/Dissertation	[ ]	[ ]
Legal Disclaimer	[ ]	<input checked="" type="checkbox"/> <i>MB</i>	Trademark Disclaimer	[ ]	[ ]
Limited Disclosure	[ ]	[ ]	Unclassified Controlled Nuclear Information/Official Use Only	[ ]	[ ]
Patent Status	[ ]	[ ]			

Responsible Manager (Printed/Signature) \_\_\_\_\_

Additional Information \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## INSTRUCTIONS FOR INFORMATION RELEASE REQUEST SIGNATORIES

This list provides the instructions for each reviewer. It is meant to be used as a checklist and requires no signatures. The list is not all-inclusive but covers the key areas needing review. Areas needing further review or other areas needing review should be indicated under comments.

### AUTHOR/REQUESTOR

- Project or program manager concurs with the issuance of this report.
- Reference citations are necessary, correct and appropriate for the intended audience and will be publicly available at the time the document is published.
- If a journal article, the reference style agrees with guidance from the client or journal publisher.
- Contributions from authors of other organizations indicated in the comment section of this form.
- Document is responsive to the client's scope of work.
- Client approved this for release.
- Document reports or reflects quality technical work.
- Scientific methodology used is logical and reasonable.
- Inferences and conclusions are soundly based.

### RESPONSIBLE MANAGER

Indicated at the bottom of the comment section of this form that General Counsel's office should review this document with particular attention to:

- An invention (reported or unreported)
- New software developed at WHC
- Sensitive subject matter (policies, issues, concerns)
- Copyrighted information
- Trademark information
- Proprietary information.

If the funding for the program represented by the document is from the Assistant Secretary for Nuclear Energy (NE), and public clearance or limited clearance for foreign exchange (sponsor-limited) is requested, the following information is required:

- Information generation dates
- Prior dissemination to DOE contractors
- Prior dissemination under international agreements
- Substantive value for international exchange
- Justification for release of information.

### AUTHORIZED DERIVATIVE CLASSIFIER

Document reviewed for (and indicated on the front of the form) the presence of the following:

- Classified information
- Unclassified Controlled Nuclear Information (UCNI)

### GENERAL COUNSEL REVIEWER

Document reviewed for (and indicated on the front of the form) the presence of the following:

- Previously reported or as yet unreported patentable subject matter
- Copyrighted material
- Trademarks
- Proprietary information
- Product comparisons
- Inventions
- New software developments
- Information meets environmental compliance.

### COMMUNICATIONS DEPARTMENT REVIEWER

- This document contains no unresolved company policy issue.
- WHC logotype is used correctly.

### WHC AND RL TECHNICAL PROGRAM REVIEWER

Document reviewed for (and indicated on the front of the form) the presence of the following:

- Applied Technology information
- Limited Disclosure information (foreign exchange)
- Distribution list discussed with the client
- Others who should review this document before release indicated in the comment section of this form.

### PUBLICATIONS SERVICES REVIEWER

- Structure and format of the document are appropriate for the subject matter and comply with company standards.
- Restrictive legends, markings, and notices are affixed as appropriate.
- Required elements are included, such as disclaimer, cover, distribution list, approvals, etc.

### INFORMATION RELEASE ADMINISTRATION

- All reviews are complete and this publication or presentation is approved for release (after resolution of mandatory comments).

<u>DOCUMENT TITLE</u>	<u>DATE</u>
WHC Environmental Release Summary 296-A-27: All AW Tanks (E270, X270)	07/20/92
WHC Environmental Release Summary 296-A-28: All AW Annuli (E272)	07/20/92
296-A-27 All AW Tanks (E270)	07/20/92
296-A-28 All AW Annuli (E272)	07/20/92

93127610114

WHC ENVIRONMENTAL RELEASE SUMMARY

07/20/92

08:01

296-A-27: ALL AW TANKS (E270, X270)

From 01/01/91 through 12/31/91

Total System Flow: 1.8E+10 Liters = 6.2E+08 Cubic Ft

Radionuclide	Release, Ci	Concentrations, $\mu\text{Ci/ml}$	
		Average	Peak
Sr-90	1.1E-06	6.5E-14	3.1E-13
Ru-103	ND	<1.8E-13	n/a
Ru-106	ND	<2.0E-12	n/a
Sn-113	ND	<2.1E-13	n/a
Sb-125	ND	<1.3E-12	n/a
I-129	ND	<1.6E-11	n/a
I-131	ND	<2.0E-13	n/a
Cs-137	1.4E-07	8.1E-15	3.3E-15
Total $\alpha$	1.5E-09	8.4E-17	1.2E-14
Total $\beta$	1.8E-06	1.0E-13	5.6E-13

9312761015

07/20/92 08:02

Concentrations,  $\mu\text{Ci/ml}$

Page 1

Warning Levels:	2.0E-08	3.0E-10	1.0E-08	1.0E-08	7.0E-10	4.0E-09	2.0E-13	9.0E-11	Elapsed	Sample	Sample	Stack
Date	Ru-103	Ru-106	Sn-113	Sb-125	I-129	I-131	Total $\alpha$	Total $\beta$	Hours	FlowRate	Volume	FlowRate
01/02/91							7.7E-16	5.6E-13	164.8	1.93	19043.0	1169
01/09/91	<1.2E-13	<1.4E-12	<1.6E-13	<1.1E-12	<5.6E-12	<1.4E-13	1.7E-15	3.5E-13	167.1	1.88	18879.7	
01/16/91	<1.2E-13	<1.3E-12	<1.5E-13	<1.0E-12	<5.3E-12	<1.3E-13	-5.7E-16	1.0E-13	167.0	2.05	20498.3	
01/23/91	<1.1E-13	<1.5E-12	<1.5E-13	<1.0E-12	<5.4E-12	<1.3E-13	-1.3E-16	9.6E-14	169.7	1.97	20029.0	
01/30/91	<1.6E-13	<1.6E-12	<1.7E-13	<1.1E-12	<5.9E-12	<1.5E-13	7.5E-16	1.7E-13	167.3	1.95	19538.3	
02/06/91	<1.4E-13	<1.6E-12	<1.6E-13	<9.6E-13	<5.0E-12	<1.5E-13	7.1E-16	6.2E-14	168.3	2.03	20477.1	
02/13/91	<1.3E-13	<1.6E-12	<1.6E-13	<1.1E-12	<5.2E-12	<1.7E-13	-2.3E-15	3.6E-14	172.9	1.92	19866.4	
02/20/91	<1.6E-13	<1.8E-12	<1.8E-13	<1.1E-12	<6.5E-12	<1.7E-13	-1.5E-16	-9.2E-15	163.2	1.78	17473.3	
02/27/91	<1.5E-13	<1.6E-12	<1.9E-13	<1.1E-12	<5.9E-12	<1.6E-13	-6.3E-16	1.8E-13	168.0	1.82	18361.7	
03/13/91	<1.5E-13	<1.6E-12	<1.6E-13	<1.1E-12	<5.9E-12	<2.1E-13	1.3E-15	6.1E-14	171.4	1.76	18058.8	
03/20/91	<1.3E-13	<1.9E-12	<1.8E-13	<1.2E-12	<6.2E-12	<1.7E-13	-7.0E-16	1.1E-15	164.4	1.67	16499.8	
03/27/91	<1.5E-13	<1.5E-12	<1.8E-13	<1.1E-12	<6.0E-12	<1.5E-13	-1.1E-15	8.3E-14	168.7	1.80	18170.3	
04/03/91							-1.4E-16	2.7E-14	170.8	1.80	18396.4	1251
04/10/91	<2.9E-13	<3.6E-12	<3.7E-13	<2.1E-12	<1.2E-11	<3.1E-13	-1.2E-16	7.8E-15	164.8	2.17	21424.0	
04/17/91	<1.1E-13	<1.3E-12	<1.2E-13	<8.8E-13	<4.4E-12	<8.5E-14	1.3E-15	3.8E-14	171.3	2.47	25392.7	
05/01/91	<5.7E-13	<7.1E-12	<6.5E-13	<4.9E-12	<2.5E-11	<5.9E-13	-5.3E-16	1.1E-14	166.3	2.19	21833.1	
05/08/91	<1.5E-13	<1.5E-12	<1.8E-13	<1.1E-12	<5.7E-12	<1.7E-13	3.2E-16	2.1E-13	167.4	1.90	19072.0	
05/15/91	<1.2E-13	<1.5E-12	<1.5E-13	<1.0E-12	<5.3E-12	<1.3E-13	2.9E-16	5.2E-14	170.2	2.08	21192.9	
05/22/91							5.3E-16	1.8E-14	168.0	1.14	11465.4	
05/29/91							1.2E-14	3.8E-13	166.4	0.20	1975.0	
06/05/91							6.8E-16	6.4E-14	167.8	2.12	21391.5	
06/13/91							-1.2E-15	1.3E-13	192.3	2.13	24580.6	2055
06/19/91							-5.2E-16	9.9E-14	169.4	2.22	22522.4	
06/26/91							-5.0E-16	6.3E-14	167.7	2.32	23347.5	
07/03/91							-1.1E-15	3.2E-14	171.4	2.47	25429.2	1065
07/10/91	<1.3E-13	<1.5E-12	<1.6E-13	<1.0E-12	<5.5E-12	<1.4E-13	-9.5E-16	1.4E-13	164.7	2.14	21190.6	
07/17/91	<1.3E-13	<1.5E-12	<1.4E-13	<1.0E-12	<5.6E-12	<1.2E-13	-1.4E-15	1.2E-13	167.6	2.08	20891.9	
07/24/91	<1.3E-13	<1.7E-12	<1.5E-13	<1.1E-12	<6.8E-12	<1.3E-13	-1.4E-15	2.9E-14	167.2	2.10	21073.2	
07/31/91	<1.2E-13	<1.3E-12	<1.4E-13	<9.1E-13	<4.7E-12	<1.5E-13	-1.6E-15	6.4E-14	169.0	2.40	24336.0	
08/07/91	<1.5E-13	<1.9E-12	<1.7E-13	<1.1E-12	<6.5E-12	<1.7E-13	-6.5E-16	-7.3E-15	166.8	1.79	17897.0	
08/14/91	<2.1E-13	<3.0E-12	<1.4E-13	<7.4E-13	<6.5E-12	<3.4E-13	-1.6E-15	6.3E-14	168.4	1.83	18442.5	
08/21/91	<2.0E-13	<3.0E-12	<1.5E-13	<7.2E-13	<6.4E-12	<2.0E-13	-6.3E-16	2.2E-13	167.9	1.83	18387.7	
08/28/91	<1.7E-13	<2.3E-12	<1.6E-13	<9.9E-13	<6.2E-12	<1.8E-13	8.0E-16	5.8E-14	167.7	1.81	18180.7	
09/05/91	<1.4E-13	<1.8E-12	<1.6E-13	<1.0E-12	<6.2E-12	<1.3E-13	2.9E-16	1.4E-13	193.5	1.81	20977.7	
09/11/91	<1.8E-13	<1.9E-12	<2.1E-13	<1.3E-12	<8.8E-12	<1.7E-13	-1.3E-15	4.7E-14	142.6	1.75	14977.3	
09/18/91							-1.5E-16	1.0E-14	168.8	1.67	16937.9	
09/25/91							-6.5E-16	1.7E-14	168.6	1.77	17900.1	
10/02/91							1.6E-15	2.1E-13	166.2	1.48	14711.9	
10/09/91	<2.0E-13	<1.9E-12	<2.2E-13	<1.4E-12	<8.8E-12	<1.5E-13	-1.8E-16	2.8E-13	172.7	1.43	14800.3	
10/16/91	<1.6E-13	<1.7E-12	<1.7E-13	<1.1E-12	<7.0E-12	<1.3E-13	-1.5E-15	8.2E-14	168.8	1.83	18564.4	
10/23/91	<1.8E-13	<1.5E-12	<1.8E-13	<1.2E-12	<6.8E-12	<1.3E-13	-6.5E-16	8.2E-14	164.1	1.81	17790.4	
10/24/91							-5.7E-16	7.2E-14	188.1	1.81	20392.3	
10/30/91	<1.5E-13	<2.2E-12	<1.9E-13	<1.4E-12	<9.4E-12	<1.6E-13	-7.6E-16	1.7E-13	143.0	1.77	15182.2	
11/06/91	<1.4E-13	<1.7E-12	<1.9E-13	<1.2E-12	<7.0E-12	<1.4E-13	-1.6E-15	2.1E-13	168.4	1.77	17878.9	
11/13/91	<1.6E-13	<8.9E-13	<1.9E-13	<1.1E-12	<7.2E-12	<1.3E-13	-6.3E-16	1.5E-13	172.1	1.79	18465.7	
11/20/91	<1.7E-13	<1.7E-12	<1.8E-13	<1.2E-12	<7.0E-12	<6.9E-13	3.5E-16	1.7E-13	164.7	1.77	17486.1	
11/27/91	<1.3E-13	<2.1E-12	<1.9E-13	<1.3E-12	<7.7E-12	<1.5E-13	1.9E-15	8.9E-14	171.8	1.65	17048.2	
12/04/91	<1.5E-13	<2.0E-12	<1.9E-13	<1.1E-12	<7.7E-12	<1.4E-13	8.6E-16	6.2E-14	162.4	1.75	17056.8	
12/11/91	<1.7E-13	<1.9E-12	<1.9E-13	<1.3E-12	<7.1E-12	<1.5E-13	3.7E-16	8.1E-14	169.0	1.60	16238.7	
12/18/91							1.9E-15	2.5E-13	162.4	1.73	16869.8	
12/26/91	<5.1E-13	<4.7E-12	<5.9E-13	<3.7E-12	<2.2E-10	<6.3E-13	1.6E-15	8.0E-14	187.2	1.79	20085.9	
01/01/92							-6.2E-16	1.5E-14	170.0	1.83	18617.7	

SYMBOL KEY: \* Concentration exceeds (factored) DCG.  
 \* MDA exceeds (factored) DCG  
 < Concentration less than MDA value shown.  
 ? Concentration less than negative of MDA value shown

9 3 1 2 7 6 1 0 1 1 7

296-A-27 ALL AW TANKS (X270)

01/01/91 to 12/31/91

07/20/92 08:02

Concentrations,  $\mu\text{Ci/ml}$

Page 1

Warning						
Levels:	Sr-90	Cs-137	Elapsed	Sample	Sample	Stack
Date			Hours	FlowRate	Volume	FlowRate
01/02/91	<2.8E-15	<3.9E-15	2183.5	1.69	220817.7	1169
03/27/91	3.6E-15	<1.0E-14	1848.0	1.87	207852.7	1072
07/03/91	<1.9E-15	<1.4E-14	2213.8	1.94	258022.7	1343
09/25/91	3.1E-13	<3.9E-15	2012.8	1.91	231192.6	1065
12/26/91	2.0E-15	3.3E-15	2360.9	1.71	242571.6	1139

SYMBOL KEY: \* Concentration exceeds (factored) DCG.  
« MDA exceeds (factored) DCG  
< Concentration less than MDA value shown.  
? Concentration less than negative of MDA value shown

WHC ENVIRONMENTAL RELEASE SUMMARY

07/20/92

08:01

296-A-28: ALL AW ANNULI (E272)

From 01/01/91 through 12/31/91

Total System Flow: 4.3E+10 Liters = 1.5E+09 Cubic Ft

Radionuclide	Release, Ci	Concentrations, $\mu\text{Ci/ml}$	
		Average	Peak
Total $\alpha$	2.4E-08	5.6E-16	3.2E-14
Total $\beta$	ND	-1.5E-14	3.3E-14

93127610118



9 3 1 2 7 6 1 0 1 1 9

296-A-28 ALL AW ANNULI (E272)

01/01/91 to 12/31/91

07/20/92 08:02

Concentrations,  $\mu\text{Ci/ml}$ 

Page 1

Warning Levels:	2.0E-14	9.0E-12	Elapsed Hours	Sample FlowRate	Sample Volume	Stack FlowRate
01/02/91	1.8E-15	2.0E-15	167.9	1.82	18295.3	
01/09/91	-1.5E-16	8.7E-15	163.5	1.83	17905.9	
01/16/91	-1.4E-16	1.0E-14	167.3	1.83	18322.0	2507
01/23/91	3.3E-16	-6.5E-16	169.7	1.83	18584.9	
01/30/91	1.8E-15	1.4E-15	167.1	1.83	18300.1	
02/06/91	1.8E-15	-2.7E-15	168.3	1.83	18431.5	
02/13/91	1.3E-15	-3.2E-15	173.1	1.83	18957.2	
02/20/91	-6.4E-16	-5.9E-15	162.7	1.84	17996.1	
02/27/91	1.5E-14	-3.3E-15	168.0	1.83	18490.7	
03/20/91	-1.5E-15	-7.9E-15	164.2	2.01	19780.8	
03/27/91	-1.9E-15	-1.1E-14	168.8	2.01	20334.9	
04/03/91	-1.3E-16	-7.8E-15	170.9	2.02	20690.9	4173
04/10/91	6.8E-16	-9.3E-15	165.0	2.18	21597.3	
04/17/91	7.2E-15	1.5E-14	171.3	0.20	2040.1	
05/01/91	-1.5E-14	-9.4E-14	165.9	0.20	1975.8	
05/08/91	-2.6E-16	-1.2E-14	167.9	1.01	10172.2	
05/15/91	*3.2E-14	-7.4E-14	170.2	0.19	1897.3	
05/22/91	-1.0E-14	-4.8E-14	167.7	0.20	1998.9	
05/29/91	-5.8E-15		166.8	0.20	1988.2	
06/05/91	1.7E-14	-3.9E-14	167.6	0.19	1927.1	
06/12/91	-5.9E-16	-1.0E-14	168.3	1.95	19737.6	4804
06/19/91	-1.0E-15	-8.3E-15	169.4	1.14	11610.2	
06/26/91	-5.8E-15	-5.6E-14	167.7	0.20	1998.9	
07/03/91	-5.7E-15	-1.0E-13	171.4	0.20	2043.0	2331
07/10/91	-2.1E-15	-8.8E-15	164.7	1.86	18395.6	
07/17/91	-6.2E-16	-1.1E-14	166.9	1.86	18641.3	
07/24/91	-1.4E-16	-1.0E-15	167.7	1.86	18730.7	
07/31/91	-2.0E-15	-6.1E-15	169.2	1.86	18898.2	
08/07/91	-6.2E-16	-8.4E-15	166.8	1.86	18630.2	
08/14/91	-6.2E-16	-6.5E-15	168.4	1.84	18626.6	
08/21/91	3.2E-16	-7.3E-15	167.8	1.86	18741.8	
08/28/91	-1.4E-16	-9.2E-15	167.8	1.86	18741.8	
09/04/91	7.6E-16	-7.6E-15	172.3	1.86	19244.5	
09/11/91	-1.6E-15	-2.6E-15	163.8	1.88	18470.7	
09/18/91	-6.1E-16	-5.6E-15	168.8	1.88	19034.5	
09/25/91	-2.0E-15	-6.4E-15	168.7	1.86	18842.4	
10/02/91	-6.3E-16	3.3E-14	166.1	1.86	18552.0	
10/09/91	-1.4E-16	-4.5E-15	172.5	1.86	19266.8	
10/16/91	-1.1E-15	-2.0E-15	169.0	1.86	18875.9	
10/23/91	-1.1E-15	-8.5E-15	164.1	1.86	18328.6	
10/24/91	-9.6E-16	-7.4E-15	188.1	1.86	21009.2	
10/30/91	3.8E-16	-8.8E-15	143.0	1.86	15971.9	
11/06/91	-1.4E-16	2.6E-15	168.4	1.84	18626.6	
11/13/91	-6.1E-16	-6.4E-16	172.0	1.84	19024.8	
11/20/91	-1.6E-15	-1.1E-14	164.7	1.86	18395.6	
11/27/91	-6.0E-16	-4.5E-15	171.8	1.86	19188.6	
12/04/91	-1.1E-15	-7.2E-15	162.4	1.86	18138.7	
12/11/91	-1.3E-16	-7.0E-15	178.6	1.95	20844.3	
12/18/91	1.7E-15	-6.2E-15	162.6	1.93	18791.2	
12/26/91	2.9E-16	9.1E-16	187.1	1.83	20593.0	
01/01/92	-1.8E-15	5.7E-15	145.8	1.83	16047.3	

SYMBOL KEY: \* Concentration exceeds (factored) DCG.

◀ MDA exceeds (factored) DCG

&lt; Concentration less than MDA value shown.

? Concentration less than negative of MDA value shown