

Bayer HealthCare Pharmaceuticals



August 6, 2007

Mr. Dennis R. Lawyer
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety
United States Nuclear Regulatory Commission
Region 1
475 Allendale Road
Mail Control #140429
King of Prussia, PA 19406-1415

J-6
MS-16

Regarding: NRC License No. 06-13053-04 *03030292*
Bayer Pharmaceuticals Corporation, request for additional
information concerning application for amendment to
license, control #140429

Bayer Pharmaceuticals
Corporation
400 Morgan Lane
West Haven, CT 06516-4175

Phone: 203 812-2000

Dear Mr. Lawyer:

This is in reference to your letter dated July 23, 2007 to Dr. Joseph Catino requesting additional information regarding our request to amend our NRC License No. 06-13053-04.

Please continue with the review of our license termination. Included are the answers and supporting records to all of the raised concerns in your letter dated July 23, 2007. If you have any additional questions or need additional information, please contact me at (203) 812-2339.

Sincerely,

Gary Toczyłowski
Health, Environment, Safety and Security

GT:kbf
enclosures

cc: Dr. Joseph Catino

RECEIVED
REGION 1
2007 AUG - 7 AM 10:40

140429
NMSS/RGNI MATERIALS-002

RESPONSE TO THE NRC INFORMATION REQUEST DATED 7/23/07

1. In your letter dated July 9, 2007, you submitted the records associated with the disposals to the sanitary sewerage system for the year 2006. All records of release by disposal into sewer that exist for your license and previous licenses that were superseded by this current license must be submitted for radionuclides with a greater than a 120 day half life before termination.

Section 1 contains all past sewerage disposal records that exist. There are no other records of release by disposal into sewer that exist for this license or any previous licenses that were superseded by this license. To the best of my knowledge, there was no sewerage disposal for this or any other previous license prior to the earliest date of record shown in section 1.

2. Please state the units for the numbers displayed on your sewer disposal log.

The units for the numbers displayed on the 2006 sewer disposal log submitted to you in our July 9, 2007 submittal and the sewer disposal logs submitted in section 1 of this submittal are (MICROCURIES).

3. The request for termination of the licenses doesn't appear to be signed by a senior executive management. Please submit a letter signed by senior management stating that they concur with the request for license termination.

Please see letter in Section 3 from Mr. Joseph Catino, Senior Vice President of Research for Bayer requesting license termination.

4. Please confirm that you had no leaking sealed sources.

We have never had a leaking sealed source at the Bayer property located at 400 Morgan Lane, West Haven, Ct 06516.

5. In your letter dated July 9, 2007, it is stated that the room RB-007C must be a typographical error for RB-107C or RB-207C. Please submit surveys for room RB-107C or state why they are not needed.

Surveys for RB-107C are not needed. This room was principally a storage room that was being surveyed because of it's proximity to commissioned lab RB-107. There was no active radioactivity work conducted in this room. Surveys conducted were done so to only verify that nothing was being tracked into this room and there was never any data generated to suggest that tracking did occur.

6. In your letter dated July 9, 2007, it is stated that room RB-233 must be a typographical error for RB-231 or RB-232. Please submit surveys for room RB-231 or state why they are not needed.

Survey data and information for RB-231 is present in the Philotechnics Decommissioning Report submitted to you on in April, 2007. Copies of the application pages from that report are shown in section 6 of this submittal.

7. Please confirm that you will follow 10 CFR 31.5 requirements for the transfer of the generally licensed items.

We will follow the 10 CFR 31.5 requirements for the transfer of the generally licensed items remaining at the site that are being transferred to the new owner.

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR: 2006	MONTHS: 12	DAYS PER MONTH: 30.4
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1.) Water usage: Buildings A-16

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	188.8
Average gal/day:	6.2
Average ml/day:	2.35E+04

2.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	0.00E+00	1.0E-02	0.00E+00	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						0.00E+00	

3.) Water usage: Building B-24

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	92,882.6
Average gal/day:	3,055.4
Average ml/day:	1.16E+07

4.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	7,940.30	210.00	8,150.30	1.93E-06	1.0E-02	1.93E-04	0.02%
C-14	1,755.00	43.00	1,798.00	4.26E-07	3.0E-04	1.42E-03	0.14%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	970.00	0.00	970.00	2.30E-07	8.0E-04	2.87E-04	0.03%
S-35	4.10	968.00	972.10	2.30E-07	1.0E-03	2.30E-04	0.02%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00%
I-125	18.10	1,460.00	1,478.10	3.50E-07	2.0E-05	1.75E-02	1.75%
SUM of M.A.C. fractions: (must not exceed unity)						1.96E-02	

5.) Water usage: Building B-31

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month: 234,958.0
 Average gal/day: 7,728.9
 Average ml/day: 2.93E+07

6.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	2.00	2.00	1.87E-10	1.0E-02	1.87E-08	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	397.40	397.40	3.72E-08	8.0E-04	4.65E-05	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%

SUM of M.A.C. fractions:
 (must not exceed unity)

4.66E-05

7.) Water usage: Building B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month: 44,340.8
 Average gal/day: 1,458.6
 Average ml/day: 5.52E+06

8.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	524.80	524.80	2.61E-07	1.0E-02	2.61E-05	0.00%
C-14	0.00	659.20	659.20	3.27E-07	3.0E-04	1.09E-03	0.11%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	8401.75	8,401.75	4.17E-06	8.0E-04	5.21E-03	0.52%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	317.00	317.00	1.57E-07	2.0E-05	7.87E-03	0.79%

SUM of M.A.C. fractions:
 (must not exceed unity)

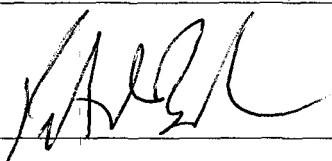
1.42E-02

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	8,677.10 uCi	0.17 % OF YEAR'S LIMIT
TOTAL C-14:	2,457.20 uCi	0.25 % OF YEAR'S LIMIT
ALL OTHERS:	12,536.35 uCi	1.25 % OF YEAR'S LIMIT

Evaluated By: PETER D. ISABIN

Signature: 

Date: 4-13-07

2006 Bld B24, B31, B36

BUILDING 24 SEWER DISPOSAL - 2006

(Microcuries)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I	45-Ca ✓
B-24	RB-211	25-Jan-06	0	0	0	0	105	105	0
B-24	RB-211	30-Jan-06	0	0	0	0	0	35	0
B-24	RB-211	20-Feb-06	0	0	0	0	50	50	0
B-24	RB-211	07-Mar-06	0	0	0	0	0	130	0
B-24	RB-211	22-Mar-06	0	0	0	0	220	220	0
B-24	RB-211	13-Apr-06	0	0	0	0	261	261	0
B-24	RB-213	02-May-06	100	0	0	0	0	0	0
B-24	RB-213	11-May-06	0	0	0	0	0	100	0
B-24	RB-213	07-Jun-06	0	0	0	0	0	16	0
B-24	RB-231	09-Jan-06	0	0	0	0	0	23	0
B-24	RB-231	11-Jan-06	19	0	0	0	0	0	0
B-24	RB-231	17-Jan-06	0	0	0	0	0	13	0
B-24	RB-231	18-Jan-06	0	0	0	0	0	13	0
B-24	RB-231	20-Jan-06	0	0	0	0	0	13	0
B-24	RB-231	23-Jan-06	0	0	0	0	0	13	0
B-24	RB-231	24-Jan-06	0	0	0	0	0	13	0
B-24	RB-231	30-Jan-06	0	0	0	0	0	15	0
B-24	RB-231	31-Jan-06	0	0	0	0	0	15	0
B-24	RB-231	03-Feb-06	0	0	0	0	0	1	0
B-24	RB-231	08-Feb-06	0	0	0	0	0	18	0
B-24	RB-231	09-Feb-06	0	0	0	0	0	15	0
B-24	RB-231	10-Feb-06	0	0	0	0	0	12	0
B-24	RB-231	14-Feb-06	0	0	0	0	0	17	0
B-24	RB-231	01-Mar-06	0	0	0	0	0	20	0
B-24	RB-231	15-Mar-06	20	0	0	0	0	0	0
B-24	RB-231	17-Mar-06	0	0	0	0	0	10	0
B-24	RB-231	20-Mar-06	0	0	0	0	0	10	0
B-24	RB-231	21-Mar-06	0	0	0	0	0	1	0
B-24	RB-231	28-Mar-06	11	0	0	0	0	0	0
B-24	RB-231	29-Mar-06	32	0	0	0	0	0	0
B-24	RB-231	12-Apr-06	0	0	0	0	0	50	0
B-24	RB-231	21-Apr-06	0	0	0	0	0	8	0
B-24	RB-231	24-Apr-06	0	0	0	0	0	8	0
B-24	RB-231	02-May-06	2	0	0	0	0	0	0
B-24	RB-231	06-May-06	2	0	0	0	0	0	0
B-24	RB-231	15-May-06	0	0	0	0	0	15	0
B-24	RB-231	17-May-06	0	0	0	0	0	8	0
B-24	RB-231	30-May-06	0	0	0	0	0	16	0
B-24	RB-231	01-Jun-06	0	0	0	0	0	16	0
B-24	RB-231	09-Jun-06	5	0	0	0	0	4	0
B-24	RB-231	15-Jun-06	5	0	0	0	0	8	0
B-24	RB-231	26-Jul-06	0	0	0	0	188	188	0
B-24	RB-231	10-Aug-06	5	0	0	0	0	0	0
B-24	RB-231	15-Aug-06	5	0	0	0	0	0	0
B-24	RB-231	18-Aug-06	2	0	0	0	0	0	0
B-24	RB-231	21-Aug-06	2	0	0	0	0	0	0

B-24	RB-231	28-Sep-06	0	6	0	0	0	0	0
B-24	RB-231	05-Oct-06	0	37	0	0	0	0	0
B-24	RB-231	17-Oct-06	0	0	0	0	72	0	0
B-24	RB-231	23-Oct-06	0	0	0	0	72	0	0
			210	43	0	0	968	1460	0

SEWER DISPOSAL BY RADIATION SAFETY STAFF

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I	45-Ca
B-24	RB-010B	20-Feb-06	2850	583	0	1	0	0	0
B-24	RB-010B	20-Apr-06	0	0	0	2	0	0	0
B-24	RB-010B	16-Jun-06	0	0	0	1.5	0	11	0
B-24	RB-010B	16-Aug-06	0	0	0	1	2	2	0
B-24	RB-010B	15-Dec-06	46.3	0	0	699	0	3.1	0
B-24	RB-010B	20-Dec-06	0	0	0	1.5	0	0	0
B-24	RB-010B	24-Dec-06	4940	1143	0	132	1	1	0
B-24	RB-010B	29-Dec-06	104	29	0	132	1.1	1	0
			7940.3	1755	0	970	4.1	18.1	0

BUILDING 31 SEWER DISPOSAL - 2006

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I	45-Ca
B-31	RA-210	04-Jan-06	0	0	0	5	0	0	0
B-31	RA-210	19-Jan-06	0	0	0	5	0	0	0
B-31	RA-210	25-Jan-06	0	0	0	5	0	0	0
B-31	RA-210	27-Jan-06	0	0	0	5	0	0	0
B-31	RA-210	07-Feb-06	0	0	0	5	0	0	0
B-31	RA-210	14-Feb-06	0	0	0	5	0	0	0
B-31	RA-210	23-Feb-06	0	0	0	5	0	0	0
B-31	RA-210	02-Mar-06	0	0	0	5	0	0	0
B-31	RA-210	07-Mar-06	0	0	0	5	0	0	0
B-31	RA-210	23-Mar-06	0	0	0	5	0	0	0
B-31	RA-210	31-Mar-06	0	0	0	5	0	0	0
B-31	RA-210	06-Apr-06	0	0	0	5	0	0	0
B-31	RA-210	11-Apr-06	0	0	0	5	0	0	0
B-31	RA-210	12-Apr-06	0	0	0	5	0	0	0
B-31	RA-210	10-May-06	0	0	0	5	0	0	0
B-31	RA-210	22-Jun-06	0	0	0	5	0	0	0
B-31	RA-210	25-Jul-06	0	0	0	5	0	0	0
B-31	RA-210	02-Aug-06	0	0	0	5	0	0	0
B-31	RA-210	15-Aug-06	0	0	0	5	0	0	0
B-31	RA-210	24-Aug-06	0	0	0	5	0	0	0
B-31	RA-210	31-Aug-06	0	0	0	5	0	0	0
B-31	RA-210	06-Sep-06	0	0	0	5	0	0	0
B-31	RA-210	12-Sep-06	0	0	0	5	0	0	0
B-31	RA-210	15-Sep-06	0	0	0	5	0	0	0
B-31	RA-210	20-Sep-06	0	0	0	5	0	0	0
B-31	RA-210	05-Oct-06	0	0	0	10	0	0	0
B-31	RA-210	10-Oct-06	0	0	0	5	0	0	0
B-31	RA-210	25-Oct-06	0	0	0	5	0	0	0
B-31	RA-212	05-Jan-06	0	0	0	4	0	0	0
B-31	RA-212	06-Jan-06	0	0	0	5	0	0	0
B-31	RA-212	18-Jan-06	0	0	0	7.4	0	0	0
B-31	RA-212	25-Jan-06	0	0	0	3	0	0	0
B-31	RA-212	26-Jan-06	0	0	0	2	0	0	0
B-31	RA-212	27-Jan-06	0	0	0	2	0	0	0
B-31	RA-212	29-Jan-06	0	0	0	1	0	0	0
B-31	RA-212	30-Jan-06	0	0	0	2	0	0	0
B-31	RA-212	31-Jan-06	0	0	0	2	0	0	0
B-31	RA-212	01-Feb-06	0	0	0	5	0	0	0
B-31	RA-212	06-Feb-06	0	0	0	2	0	0	0
B-31	RA-212	08-Feb-06	0	0	0	10	0	0	0
B-31	RA-212	09-Feb-06	0	0	0	24	0	0	0
B-31	RA-212	15-Feb-06	0	0	0	3	0	0	0
B-31	RA-212	23-Feb-06	0	0	0	5	0	0	0
B-31	RA-212	02-Mar-06	0	0	0	3	0	0	0
B-31	RA-212	07-Mar-06	0	0	0	2	0	0	0
B-31	RA-212	09-Mar-06	0	0	0	5	0	0	0

B-31	RA-212	13-Mar-06	0	0	0	8	0	0	0
B-31	RA-212	16-Mar-06	0	0	0	1	0	0	0
B-31	RA-212	20-Mar-06	0	0	0	3	0	0	0
B-31	RA-212	22-Mar-06	0	0	0	10	0	0	0
B-31	RA-212	27-Mar-06	0	0	0	2	0	0	0
B-31	RA-212	29-Mar-06	0	0	0	5	0	0	0
B-31	RA-212	03-Apr-06	0	0	0	5	0	0	0
B-31	RA-212	04-Apr-06	0	0	0	2	0	0	0
B-31	RA-212	05-Apr-06	0	0	0	3	0	0	0
B-31	RA-212	12-Apr-06	0	0	0	5	0	0	0
B-31	RA-212	17-Apr-06	0	0	0	2	0	0	0
B-31	RA-212	19-Apr-06	0	0	0	7	0	0	0
B-31	RA-212	26-Apr-06	0	0	0	5	0	0	0
B-31	RA-212	10-May-06	0	0	0	2	0	0	0
B-31	RA-212	17-May-06	0	0	0	3	0	0	0
B-31	RA-212	22-May-06	0	0	0	5	0	0	0
B-31	RA-212	25-May-06	0	0	0	10	0	0	0
B-31	RA-212	30-May-06	0	0	0	2	0	0	0
B-31	RA-212	01-Jun-06	0	0	0	3	0	0	0
B-31	RA-212	08-Jun-06	0	0	0	5	0	0	0
B-31	RA-212	13-Jun-06	0	0	0	4	0	0	0
B-31	RA-212	21-Jun-06	0	0	0	6	0	0	0
B-31	RA-212	28-Jun-06	0	0	0	2	0	0	0
B-31	RA-212	19-Jul-06	0	0	0	2	0	0	0
B-31	RA-212	26-Jul-06	0	0	0	1	0	0	0
B-31	RA-212	27-Jul-06	0	0	0	2	0	0	0
B-31	RA-212	02-Aug-06	0	0	0	2	0	0	0
B-31	RA-212	16-Aug-06	0	0	0	1	0	0	0
B-31	RA-212	18-Aug-06	0	0	0	2	0	0	0
B-31	RA-212	23-Aug-06	0	0	0	5	0	0	0
B-31	RA-212	07-Sep-06	0	0	0	2	0	0	0
B-31	RA-212	13-Sep-06	0	0	0	3	0	0	0
B-31	RA-212	20-Sep-06	0	0	0	2	0	0	0
B-31	RA-212	27-Sep-06	0	0	0	1	0	0	0
B-31	RA-212	02-Oct-06	0	0	0	1	0	0	0
B-31	RA-212	04-Oct-06	0	0	0	3	0	0	0
B-31	RA-212	04-Oct-06	0	0	0	3	0	0	0
B-31	RA-212	13-Oct-06	0	0	0	1	0	0	0
B-31	RA-212	25-Oct-06	0	0	0	4	0	0	0
B-31	RA-212	30-Oct-06	0	0	0	2	0	0	0
B-31	RA-212	31-Oct-06	0	0	0	1	0	0	0
B-31	RA-212	08-Nov-06	0	0	0	2	0	0	0
B-31	RA-217	26-Sep-06	1	0	0	0	0	0	0
B-31	RA-217	28-Sep-06	1	0	0	0	0	0	0
B-31	RA-323	10-Feb-06	0	0	0	25	0	0	0
			2	0	0	397.4	0	0	0

BUILDING 36 SEWER DISPOSAL - 2006

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I	45-Ca
B-36	SINK	03-Jan-06	50	0	0	55	0	0	0
B-36	SINK	05-Jan-06	15	0	0	0	0	0	0
B-36	SINK	06-Jan-06	0	60	0	0	0	0	0
B-36	SINK	09-Jan-06	14	83.2	0	68	0	0	0
B-36	SINK	11-Jan-06	0	0	0	607	0	0	0
B-36	SINK	12-Jan-06	0	90	0	0	0	0	0
B-36	SINK	13-Jan-06	0	0	0	533.75	0	0	0
B-36	SINK	16-Jan-06	0	0	0	283	0	80	0
B-36	SINK	20-Jan-06	0	0	0	45	0	0	0
B-36	SINK	23-Jan-06	0	0	0	232	0	0	0
B-36	SINK	25-Jan-06	0	0	0	262	0	59	0
B-36	SINK	26-Jan-06	0	0	0	42	0	0	0
B-36	SINK	27-Jan-06	0	0	0	309	0	0	0
B-36	SINK	30-Jan-06	0	0	0	64	0	0	0
B-36	SINK	31-Jan-06	1	0	0	102	0	0	0
B-36	SINK	02-Feb-06	0	0	0	250	0	0	0
B-36	SINK	06-Feb-06	0	0	0	0	0	117	0
B-36	SINK	07-Feb-06	13	0	0	0	0	21	0
B-36	SINK	09-Feb-06	0	0	0	482	0	0	0
B-36	SINK	10-Feb-06	6	0	0	150	0	0	0
B-36	SINK	14-Feb-06	0	0	0	75	0	0	0
B-36	SINK	17-Feb-06	0	0	0	613	0	0	0
B-36	SINK	21-Feb-06	0	12	0	120	0	0	0
B-36	SINK	22-Feb-06	3	60	0	20	0	0	0
B-36	SINK	23-Feb-06	0	60	0	120	0	0	0
B-36	SINK	27-Feb-06	0	0	0	900	0	0	0
B-36	SINK	01-Mar-06	0	114	0	0	0	0	0
B-36	SINK	02-Mar-06	0	0	0	232	0	0	0
B-36	SINK	03-Mar-06	0	0	0	116	0	0	0
B-36	SINK	06-Mar-06	10	60	0	0	0	0	0
B-36	SINK	13-Mar-06	60	0	0	0	0	0	0
B-36	SINK	14-Mar-06	30	0	0	0	0	0	0
B-36	SINK	16-Mar-06	0	0	0	0	0	15	0
B-36	SINK	17-Mar-06	0	0	0	0	0	25	0
B-36	SINK	21-Mar-06	0	0	0	40	0	0	0
B-36	SINK	22-Mar-06	0	120	0	0	0	0	0
B-36	SINK	23-Mar-06	0	0	0	250	0	0	0
B-36	SINK	28-Mar-06	0	0	0	30	0	0	0
B-36	SINK	31-Mar-06	10.3	0	0	250	0	0	0
B-36	SINK	04-Apr-06	0	0	0	300	0	0	0
B-36	SINK	06-Apr-06	0	0	0	500	0	0	0
B-36	SINK	18-Apr-06	37.5	0	0	0	0	0	0
B-36	SINK	24-Apr-06	15	0	0	0	0	0	0
B-36	SINK	25-Apr-06	60	0	0	436	0	0	0
B-36	SINK	28-Apr-06	0	0	0	100	0	0	0
B-36	SINK	02-May-06	0	0	0	15	0	0	0

B-36	SINK	03-May-06	0	0	0	250	0	0	0
B-36	SINK	05-May-06	0	0	0	300	0	0	0
B-36	SINK	06-May-06	200	0	0	0	0	0	0
B-36	SINK	10-May-06	0	0	0	250	0	0	0
			524.8	659.2	0	8401.75	0	317	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	2005	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings A-16

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	26,691.2
Average gal/day:	878.0
Average ml/day:	3.32E+06

2.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	0.00E+00	1.0E-02	0.00E+00	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						0.00E+00	

3.) Water usage: Building B-24

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	7,448.0
Average gal/day:	245.0
Average ml/day:	9.27E+05

4.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	144.00	1,263.00	1,407.00	4.16E-06	1.0E-02	4.16E-04	0.04%
C-14	5.00	1.00	6.00	1.77E-08	3.0E-04	5.91E-05	0.01%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	1,446.00	1,446.00	4.27E-06	1.0E-03	4.27E-03	0.43%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00%
I-125	1.00	1,166.00	1,167.00	3.45E-06	2.0E-05	1.72E-01	17.25%
SUM of M.A.C. fractions: (must not exceed unity)						1.77E-01	

5.) Water usage: Building B-31

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	373,464.0
Average gal/day:	12,285.0
Average ml/day:	4.65E+07

6.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	5.00	5.00	2.95E-10	1.0E-02	2.95E-08	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	622.50	622.50	3.67E-08	8.0E-04	4.59E-05	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						4.59E-05	

7.) Water usage: Building B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	14,592.0
Average gal/day:	480.0
Average ml/day:	1.82E+06

8.) Compliance with 10CFR20.2003 (a)(2), (3)(i)(ii)

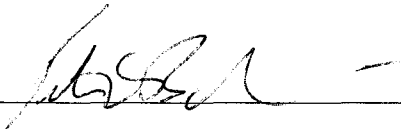
ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	16838.00	16,838.00	2.54E-05	1.0E-02	2.54E-03	0.25%
C-14	0.00	2648.00	2,648.00	4.00E-06	3.0E-04	1.33E-02	1.33%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	15129.00	15,129.00	2.28E-05	8.0E-04	2.85E-02	2.85%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	1448.00	1,448.00	2.18E-06	2.0E-05	1.09E-01	10.92%
SUM of M.A.C. fractions: (must not exceed unity)						1.54E-01	

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	18,250.00 uCi	0.37 % OF YEAR'S LIMIT
TOTAL C-14:	2,654.00 uCi	0.27 % OF YEAR'S LIMIT
ALL OTHERS:	19,812.50 uCi	1.98 % OF YEAR'S LIMIT

Evaluated By: PETER D. BABIN

Signature: 

Date: 2-17-06

Bld. B36 - 2005, Sewer Disposal By Bld - (micromiles)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I	45-Ca ✓
B-36	SINK	05-Jan-05	0	0	0	20	0	0	0
B-36	SINK	10-Jan-05	1680	0	0	200	0	0	0
B-36	SINK	11-Jan-05	1680	0	0	0	0	0	0
B-36	SINK	13-Jan-05	0	0	0	1665	0	0	0
B-36	SINK	17-Jan-05	0	0	0	200	0	0	0
B-36	SINK	18-Jan-05	0	0	0	0	0	50	0
B-36	SINK	25-Jan-05	1032	0	0	0	0	13	0
B-36	SINK	29-Jan-05	2470	0	0	0	0	0	0
B-36	SINK	01-Feb-05	1658	0	0	17.5	0	0	0
B-36	SINK	10-Feb-05	0	0	0	240	0	0	0
B-36	SINK	14-Feb-05	0	0	0	200	0	0	0
B-36	SINK	16-Feb-05	0	0	0	155	0	0	0
B-36	SINK	17-Feb-05	0	0	0	5	0	0	0
B-36	SINK	18-Feb-05	0	0	0	155	0	0	0
B-36	SINK	21-Feb-05	0	0	0	153	0	0	0
B-36	SINK	22-Feb-05	10	0	0	15	0	0	0
B-36	SINK	23-Feb-05	0	0	0	175	0	0	0
B-36	SINK	24-Feb-05	2.5	0	0	0	0	0	0
B-36	SINK	28-Feb-05	0	0	0	150	0	0	0
B-36	SINK	01-Mar-05	0	0	0	150	0	0	0
B-36	SINK	02-Mar-05	1658	0	0	150	0	0	0
B-36	SINK	03-Mar-05	1658	0	0	1000	0	0	0
B-36	SINK	04-Mar-05	1658	0	0	300	0	0	0
B-36	SINK	07-Mar-05	0	0	0	375	0	0	0
B-36	SINK	08-Mar-05	1658	0	0	0	0	0	0
B-36	SINK	10-Mar-05	0	0	0	100	0	0	0
B-36	SINK	11-Mar-05	0	0	0	125	0	0	0
B-36	SINK	01-Apr-05	0	0	0	125	0	0	0
B-36	SINK	11-Apr-05	0	0	0	210	0	0	0
B-36	SINK	12-Apr-05	1.75	0	0	0	0	0	0
B-36	SINK	15-Apr-05	15	0	0	0	0	0	0
B-36	SINK	19-Apr-05	0	0	0	720	0	0	0
B-36	SINK	21-Apr-05	0	0	0	900	0	0	0
B-36	SINK	25-Apr-05	9	0	0	0	0	0	0
B-36	SINK	26-Apr-05	7	0	0	0	0	0	0
B-36	SINK	27-Apr-05	0	0	0	600	0	0	0
B-36	SINK	28-Apr-05	9	0	0	0	0	0	0
B-36	SINK	29-Apr-05	12	0	0	0	0	0	0
B-36	SINK	02-May-05	15	0	0	0	0	0	0
B-36	SINK	04-May-05	12	0	0	0	0	0	0
B-36	SINK	09-May-05	16	0	0	0	0	0	0
B-36	SINK	17-May-05	15	0	0	0	0	0	0
B-36	SINK	19-May-05	50	0	0	200	0	0	0
B-36	SINK	23-May-05	0	0	0	1100	0	0	0
B-36	SINK	31-May-05	0	0	0	250	0	0	0
B-36	SINK	02-Jun-05	0	0	0	125	0	0	0
B-36	SINK	07-Jun-05	0	0	0	0	0	10	0
B-36	SINK	08-Jun-05	3	0	0	16	0	0	0
B-36	SINK	09-Jun-05	0	0	0	16	0	0	0
B-36	SINK	10-Jun-05	0	0	0	16	0	0	0
B-36	SINK	14-Jun-05	11	0	0	5	0	0	0
B-36	SINK	15-Jun-05	16	0	0	0	0	0	0
B-36	SINK	20-Jun-05	10	0	0	0	0	0	0
B-36	SINK	21-Jun-05	8	0	0	0	0	0	0
B-36	SINK	23-Jun-05	18	0	0	0	0	0	0
B-36	SINK	25-Jun-05	48.75	0	0	250	0	0	0
B-36	SINK	05-Oct-05	20	0	0	5	0	0	0

B-36	SINK	12-Oct-05	50	0	0	0	0	0	0
B-36	SINK	17-Oct-05	1.25	0	0	125	0	0	0
B-36	SINK	18-Oct-05	500	0	0	2350	0	175	0
B-36	SINK	19-Oct-05	0	0	0	0	0	234	0
B-36	SINK	21-Oct-05	3	0	0	0	0	0	0
B-36	SINK	24-Oct-05	0	0	0	25	0	117	0
B-36	SINK	25-Oct-05	18	74	0	0	0	117	0
B-36	SINK	26-Oct-05	36	0	0	0	0	117	0
B-36	SINK	27-Oct-05	5	0	0	0	0	90	0
B-36	SINK	28-Oct-05	0	0	0	0	0	150	0
B-36	SINK	29-Oct-05	0	75	0	0	0	0	0
B-36	SINK	31-Oct-05	0	0	0	0	0	50	0
B-36	SINK	01-Nov-05	17.5	0	0	0	0	100	0
B-36	SINK	02-Nov-05	17.5	0	0	125	0	0	0
B-36	SINK	03-Nov-05	0	0	0	125	0	0	0
B-36	SINK	03-Nov-05	36	0	0	0	0	0	0
B-36	SINK	04-Nov-05	0	0	0	0	0	24.21	0
B-36	SINK	07-Nov-05	72	0	0	100	0	0	0
B-36	SINK	09-Nov-05	0	0	0	125	0	0	0
B-36	SINK	14-Nov-05	72	0	0	0	0	0	0
B-36	SINK	15-Nov-05	15	0	0	125	0	0	0
B-36	SINK	16-Nov-05	72	0	0	0	0	51	0
B-36	SINK	17-Nov-05	12	0	0	0	0	0	0
B-36	SINK	22-Nov-05	0	408	0	0	0	0	0
B-36	SINK	23-Nov-05	0	0	0	125	0	0	0
B-36	SINK	29-Nov-05	0	0	0	0	0	34	0
B-36	SINK	02-Dec-05	245	0	0	0	0	0	0
B-36	SINK	06-Dec-05	0	0	0	15.5	0	96	0
B-36	SINK	07-Dec-05	25	110	0	120	0	0	0
B-36	SINK	08-Dec-05	50	152	0	0	0	0	0
B-36	SINK	09-Dec-05	50	169	0	110	0	20	0
B-36	SINK	12-Dec-05	0	183	0	0	0	0	0
B-36	SINK	13-Dec-05	0	2	0	400	0	0	0
B-36	SINK	14-Dec-05	0	0	0	385	0	0	0
B-36	SINK	15-Dec-05	0	444	0	0	0	0	0
B-36	SINK	16-Dec-05	40	0	0	0	0	0	0
B-36	SINK	19-Dec-05	0	276	0	0	0	0	0
B-36	SINK	20-Dec-05	40	219	0	200	0	0	0
B-36	SINK	21-Dec-05	0	366	0	125	0	0	0
B-36	SINK	22-Dec-05	0	170	0	200	0	0	0
B-36	SINK	30-Dec-05	0	0	0	260	0	0	0

16838.25	2648	0	15129	0	1448.21	0
3-H	14-C	32-P	33-P	35-S	125-I	45-Ca

H-3	16838
C-14	2648
P-32	0
P-33	15129
S-35	0
I-125	1448
Ca-45	0

B/Q B24-2005

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I	45-Ca
B-24	RB-010B	10-Mar-05	93	5	0	0	0	1	0
B-24	RB-010B	11-Nov-05	1	0	0	0	0	0	0
B-24	RB-010B	30-Nov-05	50	0	0	0	0	0	0
B-24	RB-207C	06-Jun-05	0	1	0	0	0	0	0
B-24	RB-211	21-Mar-05	0	0	0	0	75	0	0
B-24	RB-211	11-Apr-05	0	0	0	0	100	0	0
B-24	RB-211	02-May-05	0	0	0	0	71	71	0
B-24	RB-211	12-May-05	0	0	0	0	75	75	0
B-24	RB-211	31-May-05	0	0	0	0	125	125	0
B-24	RB-211	15-Jun-05	0	0	0	0	155	0	0
B-24	RB-211	27-Jun-05	0	0	0	0	107	100	0
B-24	RB-211	14-Jul-05	0	0	0	0	105	135	0
B-24	RB-211	10-Aug-05	0	0	0	0	70	200	0
B-24	RB-211	15-Sep-05	0	0	0	0	200	200	0
B-24	RB-211	26-Sep-05	0	0	0	0	0	70	0
B-24	RB-211	06-Oct-05	218	0	0	0	0	0	0
B-24	RB-211	13-Oct-05	0	0	0	0	92	0	0
B-24	RB-211	19-Dec-05	29	0	0	0	0	0	0
B-24	RB-213	21-Feb-05	0	0	0	0	95	0	0
B-24	RB-213	28-Mar-05	2	0	0	0	0	0	0
B-24	RB-213	29-Mar-05	2	0	0	0	0	0	0
B-24	RB-213	01-Apr-05	0	0	0	0	0	2	0
B-24	RB-213	11-Apr-05	20	0	0	0	30	0	0
B-24	RB-213	29-Apr-05	0	0	0	0	0	4	0
B-24	RB-213	02-May-05	0	0	0	0	71	71	0
B-24	RB-213	12-May-05	0	0	0	0	75	5	0
B-24	RB-221	04-Feb-05	0	0	0	0	0	5	0
B-24	RB-231	05-Jan-05	0	0	0	0	0	15	0
B-24	RB-231	15-Mar-05	40	0	0	0	0	0	0
B-24	RB-231	21-Mar-05	20	0	0	0	0	0	0
B-24	RB-231	23-Mar-05	0	0	0	0	0	1	0
B-24	RB-231	28-Mar-05	11	0	0	0	0	0	0
B-24	RB-231	29-Mar-05	12	0	0	0	0	0	0
B-24	RB-231	31-Mar-05	40	0	0	0	0	0	0
B-24	RB-231	01-Apr-05	0	0	0	0	0	2	0
B-24	RB-231	15-Apr-05	10	0	0	0	0	0	0
B-24	RB-231	18-Apr-05	10	0	0	0	0	0	0
B-24	RB-231	19-Apr-05	11	0	0	0	0	0	0
B-24	RB-231	22-Apr-05	12	0	0	0	0	0	0
B-24	RB-231	27-Apr-05	10	0	0	0	0	0	0
B-24	RB-231	28-Apr-05	10	0	0	0	0	0	0
B-24	RB-231	02-May-05	10	0	0	0	0	0	0
B-24	RB-231	05-May-05	1	0	0	0	0	0	0
B-24	RB-231	09-May-05	15	0	0	0	0	0	0
B-24	RB-231	10-May-05	15	0	0	0	0	0	0
B-24	RB-231	11-May-05	10	0	0	0	0	0	0
B-24	RB-231	12-May-05	20	0	0	0	0	0	0
B-24	RB-231	19-May-05	10	0	0	0	0	0	0
B-24	RB-231	20-May-05	10	0	0	0	0	0	0
B-24	RB-231	03-Jun-05	20	0	0	0	0	0	0
B-24	RB-231	07-Jun-05	20	0	0	0	0	0	0
B-24	RB-231	08-Jun-05	5	0	0	0	0	0	0
B-24	RB-231	08-Jun-05	20	0	0	0	0	0	0
B-24	RB-231	09-Jun-05	5	0	0	0	0	0	0
B-24	RB-231	10-Jun-05	10	0	0	0	0	0	0
B-24	RB-231	12-Jun-05	10	0	0	0	0	0	0

B-24	RB-231	12-Jun-05	4	0	0	0	0	0	0	0
B-24	RB-231	17-Jun-05	20	0	0	0	0	0	0	0
B-24	RB-231	23-Jun-05	25	0	0	0	0	0	0	0
B-24	RB-231	24-Jun-05	10	0	0	0	0	0	0	0
B-24	RB-231	06-Jul-05	20	0	0	0	0	0	0	0
B-24	RB-231	13-Jul-05	20	0	0	0	0	0	0	0
B-24	RB-231	01-Sep-05	80	0	0	0	0	0	0	0
B-24	RB-231	05-Oct-05	40	0	0	0	0	0	0	0
B-24	RB-231	18-Oct-05	40	0	0	0	0	0	0	0
B-24	RB-231	19-Oct-05	40	0	0	0	0	0	0	0
B-24	RB-231	31-Oct-05	70	0	0	0	0	0	0	0
B-24	RB-231	01-Nov-05	60	0	0	0	0	0	0	0
B-24	RB-231	02-Nov-05	5	0	0	0	0	0	0	0
B-24	RB-231	03-Nov-05	14	0	0	0	0	0	0	0
B-24	RB-231	10-Nov-05	5	0	0	0	0	9	0	0
B-24	RB-231	14-Nov-05	5	0	0	0	0	0	0	0
B-24	RB-231	15-Nov-05	5	0	0	0	0	9	0	0
B-24	RB-231	21-Nov-05	10	0	0	0	0	0	0	0
B-24	RB-231	22-Nov-05	0	0	0	0	0	2	0	0
B-24	RB-231	23-Nov-05	0	0	0	0	0	1	0	0
B-24	RB-231	28-Nov-05	15	0	0	0	0	6	0	0
B-24	RB-231	29-Nov-05	15	0	0	0	0	0	0	0
B-24	RB-231	30-Nov-05	5	0	0	0	0	0	0	0
B-24	RB-231	06-Dec-05	0	0	0	0	0	12	0	0
B-24	RB-231	07-Dec-05	0	0	0	0	0	12	0	0
B-24	RB-231	08-Dec-05	54	0	0	0	0	0	0	0
B-24	RB-231	09-Dec-05	63	0	0	0	0	0	0	0
B-24	RB-231	14-Dec-05	0	0	0	0	0	16	0	0
B-24	RB-231	21-Dec-05	0	0	0	0	0	18	0	0
			1407	6	0	0	0	1446	1167	0
			3-H	14-C	32-P	33-P	35-S	125-I	45-Ca	

B/Q B31-2005

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I	45-Ca
B-31	RA-210	07-Jan-05	0	0	0	1	0	0	0
B-31	RA-210	10-Jan-05	0	0	0	5	0	0	0
B-31	RA-210	13-Jan-05	0	0	0	5	0	0	0
B-31	RA-210	24-Jan-05	0	0	0	5	0	0	0
B-31	RA-210	26-Jan-05	0	0	0	2	0	0	0
B-31	RA-210	02-Feb-05	0	0	0	1	0	0	0
B-31	RA-210	04-Feb-05	0	0	0	2	0	0	0
B-31	RA-210	09-Feb-05	0	0	0	5	0	0	0
B-31	RA-210	10-Feb-05	0	0	0	5	0	0	0
B-31	RA-210	24-Feb-05	0	0	0	5	0	0	0
B-31	RA-210	03-Mar-05	0	0	0	5	0	0	0
B-31	RA-210	10-Mar-05	0	0	0	5	0	0	0
B-31	RA-210	11-Mar-05	0	0	0	2	0	0	0
B-31	RA-210	12-Mar-05	0	0	0	5	0	0	0
B-31	RA-210	23-Mar-05	0	0	0	5	0	0	0
B-31	RA-210	04-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	08-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	12-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	18-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	19-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	25-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	28-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	29-Apr-05	0	0	0	5	0	0	0
B-31	RA-210	11-May-05	0	0	0	2	0	0	0
B-31	RA-210	24-May-05	0	0	0	5	0	0	0
B-31	RA-210	02-Jun-05	0	0	0	5	0	0	0
B-31	RA-210	14-Jun-05	0	0	0	5	0	0	0
B-31	RA-210	16-Jun-05	0	0	0	5	0	0	0
B-31	RA-210	21-Jun-05	0	0	0	5	0	0	0
B-31	RA-210	29-Jun-05	0	0	0	5	0	0	0
B-31	RA-210	06-Jul-05	0	0	0	5	0	0	0
B-31	RA-210	12-Jul-05	0	0	0	5	0	0	0
B-31	RA-210	14-Jul-05	0	0	0	3	0	0	0
B-31	RA-210	19-Jul-05	0	0	0	5	0	0	0
B-31	RA-210	21-Jul-05	0	0	0	5	0	0	0
B-31	RA-210	26-Jul-05	0	0	0	5	0	0	0
B-31	RA-210	01-Sep-05	0	0	0	10	0	0	0
B-31	RA-210	20-Sep-05	0	0	0	5	0	0	0
B-31	RA-210	29-Sep-05	0	0	0	5	0	0	0
B-31	RA-210	04-Oct-05	0	0	0	5	0	0	0
B-31	RA-210	07-Oct-05	0	0	0	5	0	0	0
B-31	RA-210	13-Oct-05	0	0	0	5	0	0	0
B-31	RA-210	18-Oct-05	0	0	0	5	0	0	0
B-31	RA-210	27-Oct-05	0	0	0	5	0	0	0
B-31	RA-210	22-Nov-05	0	0	0	5	0	0	0
B-31	RA-210	02-Dec-05	0	0	0	5	0	0	0
B-31	RA-210	08-Dec-05	0	0	0	5	0	0	0
B-31	RA-212	10-Jan-05	0	0	0	2	0	0	0
B-31	RA-212	11-Jan-05	0	0	0	1	0	0	0
B-31	RA-212	14-Jan-05	0	0	0	3	0	0	0
B-31	RA-212	19-Jan-05	0	0	0	6	0	0	0
B-31	RA-212	24-Jan-05	0	0	0	2	0	0	0
B-31	RA-212	25-Jan-05	0	0	0	1	0	0	0
B-31	RA-212	26-Jan-05	0	0	0	2	0	0	0
B-31	RA-212	28-Jan-05	0	0	0	1	0	0	0
B-31	RA-212	02-Feb-05	0	0	0	3	0	0	0
B-31	RA-212	04-Feb-05	0	0	0	3	0	0	0

B-31	RA-212	08-Feb-05	0	0	0	2	0	0	0
B-31	RA-212	09-Feb-05	0	0	0	3	0	0	0
B-31	RA-212	11-Feb-05	0	0	0	2	0	0	0
B-31	RA-212	21-Feb-05	0	0	0	2	0	0	0
B-31	RA-212	23-Feb-05	0	0	0	5	0	0	0
B-31	RA-212	24-Feb-05	0	0	0	1	0	0	0
B-31	RA-212	02-Mar-05	0	0	0	2	0	0	0
B-31	RA-212	10-Mar-05	0	0	0	1	0	0	0
B-31	RA-212	11-Mar-05	0	0	0	2	0	0	0
B-31	RA-212	14-Mar-05	0	0	0	5	0	0	0
B-31	RA-212	16-Mar-05	0	0	0	2	0	0	0
B-31	RA-212	17-Mar-05	0	0	0	3	0	0	0
B-31	RA-212	18-Mar-05	0	0	0	4	0	0	0
B-31	RA-212	22-Mar-05	0	0	0	2	0	0	0
B-31	RA-212	24-Mar-05	0	0	0	5	0	0	0
B-31	RA-212	29-Mar-05	0	0	0	2	0	0	0
B-31	RA-212	04-Apr-05	0	0	0	5	0	0	0
B-31	RA-212	05-Apr-05	0	0	0	1	0	0	0
B-31	RA-212	08-Apr-05	0	0	0	1	0	0	0
B-31	RA-212	11-Apr-05	0	0	0	28	0	0	0
B-31	RA-212	06-May-05	0	0	0	2	0	0	0
B-31	RA-212	13-May-05	0	0	0	1	0	0	0
B-31	RA-212	17-May-05	0	0	0	5	0	0	0
B-31	RA-212	18-May-05	0	0	0	5	0	0	0
B-31	RA-212	23-May-05	0	0	0	5	0	0	0
B-31	RA-212	31-May-05	0	0	0	6	0	0	0
B-31	RA-212	01-Jun-05	0	0	0	6	0	0	0
B-31	RA-212	02-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	03-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	06-Jun-05	0	0	0	5	0	0	0
B-31	RA-212	07-Jun-05	0	0	0	10	0	0	0
B-31	RA-212	08-Jun-05	0	0	0	5	0	0	0
B-31	RA-212	09-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	10-Jun-05	0	0	0	5	0	0	0
B-31	RA-212	14-Jun-05	0	0	0	1	0	0	0
B-31	RA-212	15-Jun-05	0	0	0	5	0	0	0
B-31	RA-212	17-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	20-Jun-05	0	0	0	1	0	0	0
B-31	RA-212	21-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	22-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	24-Jun-05	0	0	0	5	0	0	0
B-31	RA-212	29-Jun-05	0	0	0	2	0	0	0
B-31	RA-212	05-Jul-05	0	0	0	5	0	0	0
B-31	RA-212	06-Jul-05	0	0	0	10	0	0	0
B-31	RA-212	12-Jul-05	0	0	0	2	0	0	0
B-31	RA-212	13-Jul-05	0	0	0	1	0	0	0
B-31	RA-212	14-Jul-05	0	0	0	2	0	0	0
B-31	RA-212	15-Jul-05	0	0	0	3	0	0	0
B-31	RA-212	20-Jul-05	0	0	0	5	0	0	0
B-31	RA-212	21-Jul-05	0	0	0	1	0	0	0
B-31	RA-212	25-Jul-05	0	0	0	5	0	0	0
B-31	RA-212	26-Jul-05	0	0	0	3	0	0	0
B-31	RA-212	27-Jul-05	0	0	0	1	0	0	0
B-31	RA-212	28-Jul-05	0	0	0	7	0	0	0
B-31	RA-212	02-Aug-05	0	0	0	3	0	0	0
B-31	RA-212	03-Aug-05	0	0	0	5	0	0	0
B-31	RA-212	04-Aug-05	0	0	0	2	0	0	0

B-31	RA-212	05-Aug-05	0	0	0	1	0	0	0
B-31	RA-212	09-Aug-05	0	0	0	3	0	0	0
B-31	RA-212	10-Aug-05	0	0	0	1	0	0	0
B-31	RA-212	11-Aug-05	0	0	0	2	0	0	0
B-31	RA-212	15-Aug-05	0	0	0	3	0	0	0
B-31	RA-212	19-Aug-05	0	0	0	2	0	0	0
B-31	RA-212	24-Aug-05	0	0	0	5	0	0	0
B-31	RA-212	30-Aug-05	0	0	0	1	0	0	0
B-31	RA-212	31-Aug-05	0	0	0	2	0	0	0
B-31	RA-212	01-Sep-05	0	0	0	3	0	0	0
B-31	RA-212	13-Sep-05	0	0	0	6	0	0	0
B-31	RA-212	15-Sep-05	0	0	0	3	0	0	0
B-31	RA-212	16-Sep-05	0	0	0	5	0	0	0
B-31	RA-212	21-Sep-05	0	0	0	5	0	0	0
B-31	RA-212	26-Sep-05	0	0	0	7	0	0	0
B-31	RA-212	29-Sep-05	0	0	0	2	0	0	0
B-31	RA-212	03-Oct-05	0	0	0	5	0	0	0
B-31	RA-212	05-Oct-05	0	0	0	2	0	0	0
B-31	RA-212	07-Oct-05	0	0	0	2	0	0	0
B-31	RA-212	12-Oct-05	0	0	0	1	0	0	0
B-31	RA-212	13-Oct-05	0	0	0	3	0	0	0
B-31	RA-212	14-Oct-05	0	0	0	3	0	0	0
B-31	RA-212	20-Oct-05	0	0	0	25	0	0	0
B-31	RA-212	31-Oct-05	0	0	0	1	0	0	0
B-31	RA-212	01-Nov-05	0	0	0	0.5	0	0	0
B-31	RA-212	02-Nov-05	0	0	0	3	0	0	0
B-31	RA-212	10-Nov-05	0	0	0	5	0	0	0
B-31	RA-212	16-Nov-05	0	0	0	3	0	0	0
B-31	RA-212	17-Nov-05	0	0	0	3	0	0	0
B-31	RA-212	28-Nov-05	0	0	0	5	0	0	0
B-31	RA-212	05-Dec-05	0	0	0	5	0	0	0
B-31	RA-212	06-Dec-05	0	0	0	2	0	0	0
B-31	RA-212	07-Dec-05	0	0	0	7	0	0	0
B-31	RA-212	13-Dec-05	0	0	0	10	0	0	0
B-31	RA-212	14-Dec-05	0	0	0	5	0	0	0
B-31	RA-217	13-Jul-05	0	0	0	15	0	0	0
B-31	RA-217	14-Jul-05	0	0	0	10	0	0	0
B-31	RA-323	17-Sep-05	5	0	0	0	0	0	0
			5	0	0	622.5	0	0	0
			3-H	14-C	32-P	33-P	35-S	125-I	45-Ca

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	2004	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings A-16

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	22,222.4
Average gal/day:	731.0
Average ml/day:	2.77E+06

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	0.00E+00	1.0E-02	0.00E+00	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						0.00E+00	

3.) Water usage: Building B-24

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	11,217.6
Average gal/day:	369.0
Average ml/day:	1.40E+06

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	6,213.00	1,494.00	7,707.00	1.51E-05	1.0E-02	1.51E-03	0.15%
C-14	1,900.00	315.00	2,215.00	4.35E-06	3.0E-04	1.45E-02	1.45%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	231.00	231.00	4.53E-07	1.0E-03	4.53E-04	0.05%
CA-45	0.00	1,358.00	1,358.00	2.67E-06	2.0E-04	1.33E-02	1.33%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						2.98E-02	

5.) Water usage: Building B-31

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	267,672.0
Average gal/day:	8,805.0
Average ml/day:	3.33E+07

6.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	55.00	55.00	4.52E-09	1.0E-02	4.52E-07	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	476.20	476.20	3.92E-08	8.0E-04	4.90E-05	0.00%
S-35	0.00	1.00	1.00	8.22E-11	1.0E-03	8.22E-08	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						2.98E-02	

7.) Water usage: Building B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	16,446.4
Average gal/day:	541.0
Average ml/day:	2.05E+06

8.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	29,501.00	29,501.00	3.95E-05	1.0E-02	3.95E-03	0.39%
C-14	0.00	667.00	667.00	8.93E-07	3.0E-04	2.98E-03	0.30%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	19,687.00	19,687.00	2.64E-05	8.0E-04	3.29E-02	3.29%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	935.00	935.00	1.25E-06	2.0E-05	6.26E-02	6.26%
SUM of M.A.C. fractions: (must not exceed unity)						2.98E-02	

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	37,263.00 uCi	0.75 % OF YEAR'S LIMIT
TOTAL C-14:	2,882.00 uCi	0.29 % OF YEAR'S LIMIT
ALL OTHERS:	22,688.20 uCi	2.27 % OF YEAR'S LIMIT

Evaluated By: _____

Erin D. Babin

Signature: _____

[Handwritten Signature]

Date: _____

2004 Sewer Disposal By Bldg.

B24-B31-B36

(Microbes)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I	45-Ca ✓
B-24	RB-010B	14-Aug-04	6213	1900	0	0	0	0	0
B-24	RB-207C	07-Jan-04	11	0	0	0	0	0	0
B-24	RB-207C	08-Jan-04	12	0	0	0	0	0	0
B-24	RB-207C	09-Jan-04	12	0	0	0	0	0	0
B-24	RB-207C	16-Jan-04	12	0	0	0	0	0	0
B-24	RB-207C	16-Jun-04	0	0	0	0	0	0.5	0
B-24	RB-207C	23-Jun-04	0	0	0	0	0	9	0
B-24	RB-207C	24-Jun-04	0	0	0	0	0	3	0
B-24	RB-207C	29-Jun-04	0	0	0	0	0	9	0
B-24	RB-207C	30-Jun-04	0	0	0	0	0	2	0
B-24	RB-207C	07-Jul-04	0	0	0	0	0	2	0
B-24	RB-207C	12-Jul-04	0	0	0	0	0	9	0
B-24	RB-207C	14-Jul-04	0	0	0	0	0	5	0
B-24	RB-207C	15-Jul-04	0	0	0	0	0	1	0
B-24	RB-207C	16-Jul-04	0	0	0	0	0	1	0
B-24	RB-207C	21-Jul-04	0	0	0	0	0	2	0
B-24	RB-207C	26-Jul-04	0	0	0	0	0	20	0
B-24	RB-207C	27-Jul-04	0	0	0	0	0	5	0
B-24	RB-207C	09-Aug-04	0	0	0	0	0	10	0
B-24	RB-207C	11-Aug-04	0	0	0	0	0	5	0
B-24	RB-207C	19-Aug-04	0	0	0	0	0	1	0
B-24	RB-207C	20-Aug-04	0	0	0	0	0	20	0
B-24	RB-207C	27-Aug-04	0	0	0	0	0	1	0
B-24	RB-207C	31-Aug-04	0	0	0	0	0	10	0
B-24	RB-207C	01-Sep-04	0	0	0	0	0	20	0
B-24	RB-207C	07-Sep-04	0	0	0	0	0	10	0
B-24	RB-207C	08-Sep-04	0	0	0	0	0	10	0
B-24	RB-207C	29-Sep-04	0	0	0	0	0	10	0
B-24	RB-207C	14-Oct-04	0	0	0	0	0	3	0
B-24	RB-207C	15-Oct-04	0	0	0	0	0	10	0
B-24	RB-207C	19-Oct-04	0	0	0	0	0	10	0
B-24	RB-207C	20-Oct-04	0	0	0	0	0	10	0
B-24	RB-207C	25-Oct-04	0	0	0	0	0	5	0
B-24	RB-210	04-Jan-04	12	0	0	0	0	0	0
B-24	RB-210	05-Jan-04	0	0	0	0	0	10	0
B-24	RB-210	06-Jan-04	15	0	0	0	0	15	0
B-24	RB-210	06-Jan-04	0	0	0	0	0	10	0
B-24	RB-210	07-Jan-04	0	0	0	0	0	20	0
B-24	RB-210	08-Jan-04	5	0	0	0	0	0	0
B-24	RB-210	09-Jan-04	15	0	0	0	0	0	0
B-24	RB-210	11-Jan-04	0	0	0	0	0	16	0
B-24	RB-210	11-Jan-04	0	0	0	0	0	10	0
B-24	RB-210	13-Jan-04	25	0	0	0	0	0	0
B-24	RB-210	19-Jan-04	0	0	0	0	0	20	0
B-24	RB-210	27-Jan-04	20	0	0	0	0	0	0
B-24	RB-210	03-Feb-04	20	0	0	0	0	0	0
B-24	RB-210	04-Feb-04	30	0	0	0	0	0	0
B-24	RB-210	05-Feb-04	40	0	0	0	0	0	0
B-24	RB-210	10-Feb-04	28	0	0	0	0	0	0
B-24	RB-210	12-Feb-04	20	0	0	0	0	0	0
B-24	RB-210	19-Feb-04	0	0	0	0	0	2	0
B-24	RB-210	23-Feb-04	0	0	0	0	0	50	0
B-24	RB-210	24-Feb-04	50	0	0	0	0	0	0
B-24	RB-210	26-Feb-04	0	0	0	0	0	1	0
B-24	RB-210	02-Mar-04	0	0	0	0	0	1	0
B-24	RB-210	04-Mar-04	0	0	0	0	0	50	0
B-24	RB-210	05-Mar-04	0	0	0	0	0	50	0

B-24	RB-210	08-Mar-04	0	0	0	0	0	50	0
B-24	RB-210	08-Mar-04	0	20	0	0	0	0	0
B-24	RB-210	09-Mar-04	0	0	0	0	0	50	0
B-24	RB-210	10-Mar-04	0	0	0	0	0	50	0
B-24	RB-210	18-Mar-04	4	0	0	0	0	0	0
B-24	RB-210	19-Mar-04	9	0	0	0	0	0	0
B-24	RB-210	26-Mar-04	5	0	0	0	0	0	0
B-24	RB-210	08-Apr-04	30	0	0	0	0	0	0
B-24	RB-210	09-Apr-04	5	0	0	0	0	0	0
B-24	RB-210	13-Apr-04	25	0	0	0	0	0	0
B-24	RB-210	16-Apr-04	0	0	0	0	0	25	0
B-24	RB-210	20-Apr-04	0	0	0	0	0	100	0
B-24	RB-210	26-Apr-04	0	0	0	0	0	50	0
B-24	RB-210	28-Apr-04	10	0	0	0	0	0	0
B-24	RB-210	04-May-04	25	0	0	0	0	0	0
B-24	RB-210	05-May-04	40	0	0	0	0	0	0
B-24	RB-210	11-May-04	80	0	0	0	0	0	0
B-24	RB-210	18-May-04	45	0	0	0	0	0	0
B-24	RB-210	10-Jun-04	40	0	0	0	0	0	0
B-24	RB-210	14-Jun-04	8	0	0	0	0	0	0
B-24	RB-210	15-Jun-04	18	0	0	0	0	0	0
B-24	RB-210	16-Jun-04	18	0	0	0	0	0	0
B-24	RB-210	17-Jun-04	8	0	0	0	0	0	0
B-24	RB-210	23-Jun-04	8	0	0	0	0	0	0
B-24	RB-210	29-Jun-04	1	0	0	0	0	0	0
B-24	RB-210	30-Jun-04	60	0	0	0	0	0	0
B-24	RB-210	15-Jul-04	90	0	0	0	0	0	0
B-24	RB-210	03-Aug-04	10	0	0	0	0	0	0
B-24	RB-210	05-Aug-04	12	0	0	0	0	0	0
B-24	RB-210	06-Aug-04	10	0	0	0	0	0	0
B-24	RB-210	17-Aug-04	60	0	0	0	0	0	0
B-24	RB-210	31-Aug-04	2	0	0	0	0	0	0
B-24	RB-210	02-Sep-04	2	0	0	0	0	0	0
B-24	RB-210	03-Sep-04	2	0	0	0	0	0	0
B-24	RB-210	08-Sep-04	2	0	0	0	0	0	0
B-24	RB-210	10-Sep-04	2	0	0	0	0	0	0
B-24	RB-210	14-Sep-04	4	0	0	0	0	0	0
B-24	RB-210	16-Sep-04	4	0	0	0	0	0	0
B-24	RB-210	21-Sep-04	10	0	0	0	0	0	0
B-24	RB-210	22-Sep-04	1	0	0	0	0	0	0
B-24	RB-210	23-Sep-04	10	0	0	0	0	0	0
B-24	RB-210	27-Sep-04	5	0	0	0	0	0	0
B-24	RB-210	01-Oct-04	5	0	0	0	0	0	0
B-24	RB-210	04-Oct-04	5	0	0	0	0	0	0
B-24	RB-210	19-Oct-04	13	0	0	0	0	0	0
B-24	RB-210	20-Oct-04	5	0	0	0	0	0	0
B-24	RB-210	26-Oct-04	5	0	0	0	0	0	0
B-24	RB-210	26-Oct-04	0	0	0	0	0	100	0
B-24	RB-210	27-Oct-04	0	0	0	0	0	90	0
B-24	RB-210	01-Dec-04	15	0	0	0	0	0	0
B-24	RB-210	14-Dec-04	15	0	0	0	0	0	0
B-24	RB-210	17-Dec-04	15	0	0	0	0	0	0
B-24	RB-210	27-Dec-04	15	0	0	0	0	0	0
B-24	RB-211	19-Aug-04	0	0.2	0	0	0	0	0
B-24	RB-212	08-Jan-04	0	0	0	0	17	0	0
B-24	RB-212	15-Jan-04	0	0	0	0	14	0	0
B-24	RB-212	16-Jan-04	0	0	0	0	10	0	0

B-24	RB-212	19-Jan-04	0	0	0	0	7	0	0
B-24	RB-212	20-Jan-04	0	0	0	0	7	0	0
B-24	RB-212	27-Jan-04	0	0	0	0	0	50	0
B-24	RB-212	29-Jan-04	0	0	0	0	0	1	0
B-24	RB-212	30-Jan-04	0	0	0	0	6	50	0
B-24	RB-212	02-Feb-04	0	0	0	0	8	0	0
B-24	RB-212	03-Feb-04	0	0	0	0	12	0	0
B-24	RB-212	05-Feb-04	0	0	0	0	12	0	0
B-24	RB-212	06-Feb-04	0	0	0	0	12	50	0
B-24	RB-212	09-Feb-04	0	0	0	0	15	0	0
B-24	RB-212	10-Feb-04	0	0	0	0	7	15	0
B-24	RB-212	11-Feb-04	0	0	0	0	1	0	0
B-24	RB-212	13-Feb-04	40	0	0	0	11	0	0
B-24	RB-212	26-Feb-04	0	0	0	0	20	0	0
B-24	RB-212	05-Mar-04	0	0	0	0	2	0	0
B-24	RB-212	09-Mar-04	0	0	0	0	70	0	0
B-24	RB-212	07-Dec-04	54	0	0	0	0	0	0
B-24	RB-213	05-Apr-04	0	0	0	0	0	2	0
B-24	RB-213	13-Apr-04	0	0	0	0	0	1	0
B-24	RB-213	15-Apr-04	0	0	0	0	0	1	0
B-24	RB-213	09-Aug-04	0	0	0	0	0	5	0
B-24	RB-214C	09-Jun-04	0	0	0	0	0	0.1	0
B-24	RB-214C	17-Jun-04	0	0.1	0	0	0	0	0
B-24	RB-214C	03-Aug-04	0	0.1	0	0	0	0	0
B-24	RB-214C	05-Sep-04	0	0.1	0	0	0	0	0
B-24	RB-214C	29-Sep-04	0	0.1	0	0	0	0	0
B-24	RB-221	09-Jan-04	0	0	0	0	0	50	0
B-24	RB-221	19-Jan-04	0	0	0	0	0	10	0
B-24	RB-221	30-Jan-04	0	0	0	0	0	5	0
B-24	RB-221	11-Feb-04	0	0	0	0	0	5	0
B-24	RB-221	23-Feb-04	0	0	0	0	0	5	0
B-24	RB-221	25-Mar-04	0	0	0	0	0	5	0
B-24	RB-221	29-Mar-04	0	0	0	0	0	5	0
B-24	RB-221	06-Apr-04	0	0	0	0	0	5	0
B-24	RB-221	07-Apr-04	0	0	0	0	0	2	0
B-24	RB-221	22-Apr-04	0	0	0	0	0	1	0
B-24	RB-221	26-Apr-04	0	0	0	0	0	10	0
B-24	RB-221	12-May-04	0	0	0	0	0	1	0
B-24	RB-221	18-May-04	0	0	0	0	0	5	0
B-24	RB-221	03-Jun-04	0	0	0	0	0	5	0
B-24	RB-221	04-Oct-04	0	0	0	0	0	5	0
B-24	RB-221	08-Oct-04	50	0	0	0	0	0	0
B-24	RB-221	29-Nov-04	0	0	0	0	0	80	0
B-24	RB-222C	11-Mar-04	0	25	0	0	0	0	0
B-24	RB-222C	18-Mar-04	0	0	0	0	0	10	0
B-24	RB-222C	31-Mar-04	0	50	0	0	0	0	0
B-24	RB-222C	20-Apr-04	40	0	0	0	0	0	0
B-24	RB-222C	21-Apr-04	0	17	0	0	0	0	0
B-24	RB-222C	22-Apr-04	0	15	0	0	0	0	0
B-24	RB-222C	27-Apr-04	0	1	0	0	0	0	0
B-24	RB-222C	30-Apr-04	0	1	0	0	0	0	0
B-24	RB-222C	03-May-04	25	25	0	0	0	0	0
B-24	RB-222C	18-May-04	0	80	0	0	0	0	0
B-24	RB-222C	20-May-04	0	0	0	0	0	5	0
B-24	RB-222C	24-May-04	0	80	0	0	0	0	0
B-24	RB-222C	01-Jun-04	48	0	0	0	0	0	0
B-24	RB-222C	02-Jun-04	25	0	0	0	0	0	0

B-24	RB-222C	15-Jun-04	10	0	0	0	0	0	0
B-24	RB-222C	17-Jun-04	12	0	0	0	0	0	0
B-24	RB-222C	18-Jun-04	10	0	0	0	0	0	0
B-24	RB-222C	22-Jun-04	8	0	0	0	0	0	0
B-24	RB-222C	30-Jun-04	40	0	0	0	0	0	0
B-24	RB-222C	13-Jul-04	10	0	0	0	0	0	0
B-24	RB-222C	20-Jul-04	2	0	0	0	0	0	0
B-24	RB-222C	30-Jul-04	5	0	0	0	0	0	0
B-24	RB-222C	21-Dec-04	30	0	0	0	0	0	0
B-31	RA-210	29-Apr-04	0	0	0	10	0	0	0
B-31	RA-210	10-May-04	0	0	0	5	0	0	0
B-31	RA-210	14-May-04	0	0	0	10	0	0	0
B-31	RA-210	20-May-04	0	0	0	10	0	0	0
B-31	RA-210	25-May-04	0	0	0	10	0	0	0
B-31	RA-210	27-May-04	0	0	0	0	1	0	0
B-31	RA-210	03-Jun-04	0	0	0	10	0	0	0
B-31	RA-210	19-Jul-04	0	0	0	5	0	0	0
B-31	RA-210	28-Jul-04	0	0	0	5	0	0	0
B-31	RA-210	30-Jul-04	0	0	0	5	0	0	0
B-31	RA-210	03-Aug-04	0	0	0	5	0	0	0
B-31	RA-210	04-Aug-04	0	0	0	5	0	0	0
B-31	RA-210	05-Aug-04	0	0	0	5	0	0	0
B-31	RA-210	11-Aug-04	0	0	0	5	0	0	0
B-31	RA-210	01-Sep-04	0	0	0	5	0	0	0
B-31	RA-210	09-Sep-04	0	0	0	10	0	0	0
B-31	RA-210	15-Sep-04	0	0	0	10	0	0	0
B-31	RA-210	19-Sep-04	5	0	0	0	0	0	0
B-31	RA-210	21-Sep-04	0	0	0	5	0	0	0
B-31	RA-210	22-Sep-04	10	0	0	0	0	0	0
B-31	RA-210	24-Sep-04	10	0	0	8	0	0	0
B-31	RA-210	29-Sep-04	0	0	0	5	0	0	0
B-31	RA-210	06-Oct-04	0	0	0	5	0	0	0
B-31	RA-210	08-Oct-04	5	0	0	0	0	0	0
B-31	RA-210	13-Oct-04	0	0	0	5	0	0	0
B-31	RA-210	21-Oct-04	0	0	0	5	0	0	0
B-31	RA-210	22-Oct-04	5	0	0	0	0	0	0
B-31	RA-210	27-Oct-04	0	0	0	5	0	0	0
B-31	RA-210	04-Nov-04	0	0	0	5	0	0	0
B-31	RA-210	05-Nov-04	0	0	0	5	0	0	0
B-31	RA-210	16-Nov-04	0	0	0	5	0	0	0
B-31	RA-210	19-Nov-04	10	0	0	0	0	0	0
B-31	RA-210	03-Dec-04	0	0	0	15	0	0	0
B-31	RA-210	09-Dec-04	10	0	0	5	0	0	0
B-31	RA-210	16-Dec-04	0	0	0	5	0	0	0
B-31	RA-210	28-Dec-04	0	0	0	5	0	0	0
B-31	RA-210	29-Dec-04	0	0	0	1	0	0	0
B-31	RA-212	06-Jan-04	0	0	0	3	0	0	0
B-31	RA-212	14-Jan-04	0	0	0	2	0	0	0
B-31	RA-212	16-Feb-04	0	0	0	1	0	0	0
B-31	RA-212	25-Feb-04	0	0	0	1	0	0	0
B-31	RA-212	26-Feb-04	0	0	0	2	0	0	0
B-31	RA-212	01-Mar-04	0	0	0	5	0	0	0
B-31	RA-212	03-Mar-04	0	0	0	2	0	0	0
B-31	RA-212	04-Mar-04	0	0	0	7	0	0	0
B-31	RA-212	05-Mar-04	0	0	0	2	0	0	0
B-31	RA-212	08-Mar-04	0	0	0	2	0	0	0
B-31	RA-212	17-Mar-04	0	0	0	3	0	0	0

B-31	RA-212	18-Mar-04	0	0	0	2	0	0	0
B-31	RA-212	19-Mar-04	0	0	0	1.2	0	0	0
B-31	RA-212	22-Mar-04	0	0	0	3	0	0	0
B-31	RA-212	24-Mar-04	0	0	0	1	0	0	0
B-31	RA-212	25-Mar-04	0	0	0	2	0	0	0
B-31	RA-212	05-Apr-04	0	0	0	5	0	0	0
B-31	RA-212	08-Apr-04	0	0	0	2	0	0	0
B-31	RA-212	20-Apr-04	0	0	0	1	0	0	0
B-31	RA-212	21-Apr-04	0	0	0	2	0	0	0
B-31	RA-212	29-Apr-04	0	0	0	6	0	0	0
B-31	RA-212	30-Apr-04	0	0	0	8	0	0	0
B-31	RA-212	05-May-04	0	0	0	5	0	0	0
B-31	RA-212	07-May-04	0	0	0	3	0	0	0
B-31	RA-212	20-May-04	0	0	0	2	0	0	0
B-31	RA-212	25-May-04	0	0	0	2	0	0	0
B-31	RA-212	07-Jun-04	0	0	0	5	0	0	0
B-31	RA-212	10-Jun-04	0	0	0	2	0	0	0
B-31	RA-212	16-Jun-04	0	0	0	3	0	0	0
B-31	RA-212	23-Jun-04	0	0	0	4	0	0	0
B-31	RA-212	19-Jul-04	0	0	0	2	0	0	0
B-31	RA-212	23-Jul-04	0	0	0	7	0	0	0
B-31	RA-212	27-Jul-04	0	0	0	2	0	0	0
B-31	RA-212	28-Jul-04	0	0	0	3	0	0	0
B-31	RA-212	29-Jul-04	0	0	0	2	0	0	0
B-31	RA-212	01-Aug-04	0	0	0	5	0	0	0
B-31	RA-212	02-Aug-04	0	0	0	2	0	0	0
B-31	RA-212	04-Aug-04	0	0	0	4	0	0	0
B-31	RA-212	10-Aug-04	0	0	0	2	0	0	0
B-31	RA-212	12-Aug-04	0	0	0	5	0	0	0
B-31	RA-212	13-Aug-04	0	0	0	2	0	0	0
B-31	RA-212	23-Aug-04	0	0	0	5	0	0	0
B-31	RA-212	26-Aug-04	0	0	0	5	0	0	0
B-31	RA-212	30-Aug-04	0	0	0	10	0	0	0
B-31	RA-212	31-Aug-04	0	0	0	6	0	0	0
B-31	RA-212	01-Sep-04	0	0	0	5	0	0	0
B-31	RA-212	16-Sep-04	0	0	0	10	0	0	0
B-31	RA-212	21-Sep-04	0	0	0	3	0	0	0
B-31	RA-212	23-Sep-04	0	0	0	6	0	0	0
B-31	RA-212	26-Sep-04	0	0	0	2	0	0	0
B-31	RA-212	28-Sep-04	0	0	0	1	0	0	0
B-31	RA-212	29-Sep-04	0	0	0	2	0	0	0
B-31	RA-212	01-Oct-04	0	0	0	3	0	0	0
B-31	RA-212	05-Oct-04	0	0	0	5	0	0	0
B-31	RA-212	06-Oct-04	0	0	0	5	0	0	0
B-31	RA-212	12-Oct-04	0	0	0	6	0	0	0
B-31	RA-212	14-Oct-04	0	0	0	2	0	0	0
B-31	RA-212	15-Oct-04	0	0	0	5	0	0	0
B-31	RA-212	18-Oct-04	0	0	0	4	0	0	0
B-31	RA-212	19-Oct-04	0	0	0	1	0	0	0
B-31	RA-212	20-Oct-04	0	0	0	4	0	0	0
B-31	RA-212	21-Oct-04	0	0	0	2	0	0	0
B-31	RA-212	25-Oct-04	0	0	0	5	0	0	0
B-31	RA-212	26-Oct-04	0	0	0	2	0	0	0
B-31	RA-212	27-Oct-04	0	0	0	1	0	0	0
B-31	RA-212	28-Oct-04	0	0	0	7	0	0	0
B-31	RA-212	29-Oct-04	0	0	0	2	0	0	0
B-31	RA-212	02-Nov-04	0	0	0	1	0	0	0

B-31	RA-212	04-Nov-04	0	0	0	3	0	0	0
B-31	RA-212	05-Nov-04	0	0	0	5	0	0	0
B-31	RA-212	10-Nov-04	0	0	0	2	0	0	0
B-31	RA-212	11-Nov-04	0	0	0	1	0	0	0
B-31	RA-212	12-Nov-04	0	0	0	2	0	0	0
B-31	RA-212	15-Nov-04	0	0	0	2	0	0	0
B-31	RA-212	16-Nov-04	0	0	0	1	0	0	0
B-31	RA-212	17-Nov-04	0	0	0	3	0	0	0
B-31	RA-212	18-Nov-04	0	0	0	3	0	0	0
B-31	RA-212	24-Nov-04	0	0	0	1	0	0	0
B-31	RA-212	29-Nov-04	0	0	0	2	0	0	0
B-31	RA-212	01-Dec-04	0	0	0	2	0	0	0
B-31	RA-212	02-Dec-04	0	0	0	2	0	0	0
B-31	RA-212	03-Dec-04	0	0	0	5	0	0	0
B-31	RA-212	06-Dec-04	0	0	0	1	0	0	0
B-31	RA-212	08-Dec-04	0	0	0	2	0	0	0
B-31	RA-212	13-Dec-04	0	0	0	5	0	0	0
B-31	RA-212	15-Dec-04	0	0	0	2	0	0	0
B-31	RA-212	28-Dec-04	0	0	0	3	0	0	0
B-36	SINK	02-Jan-04	0	0	0	75	0	0	0
B-36	SINK	05-Jan-04	45	0	0	0	0	0	0
B-36	SINK	08-Jan-04	0	50	0	0	0	0	0
B-36	SINK	09-Jan-04	60	0	0	0	0	0	0
B-36	SINK	13-Jan-04	0	100	0	50	0	0	0
B-36	SINK	14-Jan-04	0	50	0	0	0	0	0
B-36	SINK	16-Jan-04	0	0	0	100	0	0	0
B-36	SINK	20-Jan-04	0	100	0	0	0	0	0
B-36	SINK	22-Jan-04	50	0	0	0	0	0	0
B-36	SINK	27-Jan-04	0	0	0	200	0	0	0
B-36	SINK	29-Jan-04	0	0	0	100	0	690	0
B-36	SINK	31-Jan-04	0	0	0	105	0	0	0
B-36	SINK	03-Feb-04	0	144	0	0	0	0	0
B-36	SINK	03-Feb-04	0	0	0	130	0	0	0
B-36	SINK	04-Feb-04	0	0	0	5	0	0	0
B-36	SINK	05-Feb-04	80	100	0	0	0	0	0
B-36	SINK	05-Feb-04	0	0	0	48	0	0	0
B-36	SINK	06-Feb-04	0	0	0	170	0	0	0
B-36	SINK	07-Feb-04	0	0	0	9.6	0	0	0
B-36	SINK	09-Feb-04	700	0	0	800	0	0	0
B-36	SINK	10-Feb-04	200	0	0	0	0	0	0
B-36	SINK	11-Feb-04	0	0	0	540	0	0	0
B-36	SINK	12-Feb-04	0	0	0	500	0	0	0
B-36	SINK	13-Feb-04	0	120	0	0	0	0	0
B-36	SINK	17-Feb-04	0	0	0	200	0	0	0
B-36	SINK	19-Feb-04	0	0	0	71	0	0	0
B-36	SINK	24-Feb-04	0	0	0	140	0	0	0
B-36	SINK	25-Feb-04	0	0	0	130	0	10	0
B-36	SINK	26-Feb-04	0	0	0	200	0	0	0
B-36	SINK	01-Mar-04	0	0	0	250	0	0	0
B-36	SINK	02-Mar-04	0	0	0	75	0	0	0
B-36	SINK	03-Mar-04	3000	0	0	220	0	0	0
B-36	SINK	04-Mar-04	0	0	0	440	0	0	0
B-36	SINK	09-Mar-04	0	0	0	90	0	0	0
B-36	SINK	10-Mar-04	0	0	0	1	0	0	0
B-36	SINK	11-Mar-04	0	0	0	301	0	0	0
B-36	SINK	15-Mar-04	0	0	0	51	0	0	0
B-36	SINK	16-Mar-04	0	0	0	1	0	0	0

B-36	SINK	17-Mar-04	0	0	0	189	0	0	0
B-36	SINK	22-Mar-04	200	0	0	0	0	0	0
B-36	SINK	23-Mar-04	200	0	0	100	0	0	0
B-36	SINK	24-Mar-04	10200	0	0	1	0	0	0
B-36	SINK	29-Mar-04	200	0	0	201	0	0	0
B-36	SINK	01-Apr-04	9000	0	0	75	0	24	0
B-36	SINK	02-Apr-04	400	0	0	0	0	0	0
B-36	SINK	06-Apr-04	3.25	0	0	200	0	0	0
B-36	SINK	07-Apr-04	0	0	0	340	0	0	0
B-36	SINK	13-Apr-04	300	0	0	40	0	0	0
B-36	SINK	15-Apr-04	0	0	0	200	0	0	0
B-36	SINK	16-Apr-04	0	0	0	50	0	0	0
B-36	SINK	21-Apr-04	0	0	0	76	0	0	0
B-36	SINK	22-Apr-04	0	0	0	150	0	0	0
B-36	SINK	23-Apr-04	0	0	0	186	0	0	0
B-36	SINK	27-Apr-04	0	0	0	6	0	0	0
B-36	SINK	28-Apr-04	0	0	0	725	0	0	0
B-36	SINK	05-May-04	0	0	0	500	0	0	0
B-36	SINK	06-May-04	10	0	0	500	0	0	0
B-36	SINK	07-May-04	0	0	0	10	0	0	0
B-36	SINK	10-May-04	0	0	0	133	0	0	0
B-36	SINK	12-May-04	0	0	0	130	0	0	0
B-36	SINK	17-May-04	0	0	0	200	0	0	0
B-36	SINK	19-May-04	0	0	0	130	0	0	0
B-36	SINK	20-May-04	0	0	0	100	0	0	0
B-36	SINK	21-May-04	0	0	0	230	0	0	0
B-36	SINK	24-May-04	20	0	0	0	0	0	0
B-36	SINK	26-May-04	0	0	0	130	0	0	0
B-36	SINK	03-Jun-04	2.6	0	0	500	0	0	0
B-36	SINK	04-Jun-04	0	0	0	500	0	0	0
B-36	SINK	07-Jun-04	0	0	0	500	0	0	0
B-36	SINK	08-Jun-04	180	0	0	150	0	0	0
B-36	SINK	09-Jun-04	0	0	0	180	0	0	0
B-36	SINK	11-Jun-04	100	0	0	0	0	0	0
B-36	SINK	15-Jun-04	0	0	0	500	0	0	0
B-36	SINK	21-Jun-04	5	0	0	0	0	0	0
B-36	SINK	24-Jun-04	0	0	0	2	0	0	0
B-36	SINK	28-Jun-04	11	0	0	0	0	0	0
B-36	SINK	30-Jun-04	40	0	0	50	0	0	0
B-36	SINK	01-Jul-04	134	0	0	0	0	0	0
B-36	SINK	02-Jul-04	126	0	0	0	0	0	0
B-36	SINK	07-Jul-04	144	0	0	20	0	0	0
B-36	SINK	08-Jul-04	187	0	0	0	0	1	0
B-36	SINK	13-Jul-04	9	0	0	0	0	0	0
B-36	SINK	15-Jul-04	0	0	0	43	0	0	0
B-36	SINK	16-Jul-04	88	0	0	0	0	0	0
B-36	SINK	19-Jul-04	162	0	0	0	0	0	0
B-36	SINK	20-Jul-04	144	0	0	0	0	0	0
B-36	SINK	21-Jul-04	0	0	0	280	0	0	0
B-36	SINK	23-Jul-04	432	0	0	12	0	0	0
B-36	SINK	30-Jul-04	720	0	0	0	0	1	0
B-36	SINK	03-Aug-04	0	0	0	12	0	1	0
B-36	SINK	04-Aug-04	52	0	0	12	0	16	0
B-36	SINK	05-Aug-04	300	0	0	0	0	0	0
B-36	SINK	06-Aug-04	0	0	0	10	0	0	0
B-36	SINK	15-Aug-04	0	0	0	0	0	1.25	0
B-36	SINK	16-Aug-04	0	0	0	0	0	1.25	0

B-36	SINK	18-Aug-04	10	0	0	20	0	0	0
B-36	SINK	25-Aug-04	144	0	0	4	0	0	0
B-36	SINK	03-Sep-04	0	0	0	15	0	0	0
B-36	SINK	07-Sep-04	110	0	0	0	0	0	0
B-36	SINK	08-Sep-04	0	0	0	0	0	10	0
B-36	SINK	09-Sep-04	62.5	0	0	45	0	1.75	0
B-36	SINK	10-Sep-04	0	0	0	23	0	0	0
B-36	SINK	13-Sep-04	0	0	0	2.8	0	0	0
B-36	SINK	14-Sep-04	10	0	0	5	0	0	0
B-36	SINK	16-Sep-04	70	0	0	0	0	0	0
B-36	SINK	20-Sep-04	10	0	0	25	0	0	0
B-36	SINK	21-Sep-04	147.5	0	0	3.5	0	0	0
B-36	SINK	28-Sep-04	5.6	0	0	30	0	0	0
B-36	SINK	04-Oct-04	0	0	0	15	0	0	0
B-36	SINK	05-Oct-04	0	0	0	270	0	0	0
B-36	SINK	15-Oct-04	0	0	0	27	0	12	0
B-36	SINK	19-Oct-04	0	0	0	200	0	0	0
B-36	SINK	26-Oct-04	375	0	0	0	0	0	0
B-36	SINK	01-Nov-04	0	0	0	0	0	50	0
B-36	SINK	04-Nov-04	0	0	0	140	0	0	0
B-36	SINK	08-Nov-04	25	3	0	0	0	0	0
B-36	SINK	10-Nov-04	15	0	0	0	0	0	0
B-36	SINK	12-Nov-04	0	0	0	20	0	0	0
B-36	SINK	17-Nov-04	0	0	0	0	0	1	0
B-36	SINK	19-Nov-04	1000	0	0	570	0	0	0
B-36	SINK	22-Nov-04	0	0	0	250	0	0	0
B-36	SINK	23-Nov-04	12	0	0	0	0	0	0
B-36	SINK	01-Dec-04	0	0	0	0	0	115	0
B-36	SINK	02-Dec-04	0	0	0	500	0	0	0
B-36	SINK	03-Dec-04	0	0	0	30	0	0	0
B-36	SINK	06-Dec-04	0	0	0	20	0	0	0
B-36	SINK	07-Dec-04	0	0	0	520	0	0	0
B-36	SINK	09-Dec-04	0	0	0	52.5	0	0	0
B-36	SINK	13-Dec-04	0	0	0	25	0	0	0
B-36	SINK	15-Dec-04	0	0	0	2057	0	0	0
B-36	SINK	17-Dec-04	0	0	0	1065	0	0	0
B-36	SINK	21-Dec-04	0	0	0	726	0	0	0
B-36	SINK	27-Dec-04	0	0	0	266	0	0	0
B-36	SINK	29-Dec-04	0	0	0	400	0	0	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR: 2003	MONTHS: 12	DAYS PER MONTH: 30.4
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1.) Water usage: Buildings A-16

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	27,299.2
Average gal/day:	898.0
Average ml/day:	3.40E+06

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	0.00E+00	1.0E-02	0.00E+00	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						0.00E+00	

3.) Water usage: Building B-24

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	15,139.2
Average gal/day:	498.0
Average ml/day:	1.89E+06

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	1,400.00	1,467.00	2,867.00	4.17E-06	1.0E-02	4.17E-04	0.04%
C-14	30.00	9.00	39.00	5.67E-08	3.0E-04	1.89E-04	0.02%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	1.00	1.00	1.45E-09	8.0E-04	1.82E-06	0.00%
S-35	0.00	57.00	57.00	8.29E-08	1.0E-03	8.29E-05	0.01%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00%
I-125	0.00	3,451.00	3,451.00	5.02E-06	2.0E-05	2.51E-01	25.09%
SUM of M.A.C. fractions: (must not exceed unity)						2.52E-01	

5.) Water usage: Building B-31

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	258,856.0
Average gal/day:	8,515.0
Average ml/day:	3.22E+07

6.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	1.00	1.00	8.50E-11	1.0E-02	8.50E-09	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	274.00	274.00	2.33E-08	8.0E-04	2.91E-05	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%
SUM of M.A.C. fractions: (must not exceed unity)						2.52E-01	

7.) Water usage: Building B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	20,337.6
Average gal/day:	669.0
Average ml/day:	2.53E+06

8.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

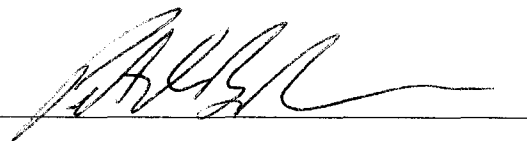
ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	2,540.00	2,540.00	2.75E-06	1.0E-02	2.75E-04	0.03%
C-14	0.00	297.00	297.00	3.21E-07	3.0E-04	1.07E-03	0.11%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	31,103.00	31,103.00	3.37E-05	8.0E-04	4.21E-02	4.21%
S-35	0.00	11.00	11.00	1.19E-08	1.0E-03	1.19E-05	0.00%
I-125	0.00	3,311.00	3,311.00	3.58E-06	2.0E-05	1.79E-01	17.92%
SUM of M.A.C. fractions: (must not exceed unity)						2.52E-01	

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	5,408.00 uCi	0.11 % OF YEAR'S LIMIT
TOTAL C-14:	336.00 uCi	0.03 % OF YEAR'S LIMIT
ALL OTHERS:	38,208.00 uCi	3.82 % OF YEAR'S LIMIT

Evaluated By: PETER P. BAZIN

Signature: 

Date: 5-17-04

BY BIO - B24, B31, B36

SEWER_BY_DATE - 2003 (micromoles)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I	45-Ca ✓
B-24	RB-010B	1/2/2003	12	1	0	0	2.5	0	0
B-24	RB-010B	2/24/2003	0	10	0	0	0	0	0
B-24	RB-010B	4/10/2003	1400	30	0	0	0	0	0
B-24	RB-131	12/11/2003	1	1	0	0	0	0	0
B-24	RB-131	12/12/2003	1	1	0	0	0	0	0
B-24	RB-131	12/16/2003	1	1	0	0	0	0	0
B-24	RB-131	12/20/2003	1	1	0	0	0	0	0
B-24	RB-207C	2/9/2003	5	0	0	0	0	0	0
B-24	RB-207C	11/26/2003	3	0	0	0	0	0	0
B-24	RB-207C	12/4/2003	12	0	0	0	0	0	0
B-24	RB-207C	12/5/2003	12	0	0	0	0	0	0
B-24	RB-207C	12/11/2003	24	0	0	0	0	3	0
B-24	RB-207C	12/12/2003	24	0	0	0	0	0	0
B-24	RB-207C	12/18/2003	24	0	0	0	0	0	0
B-24	RB-210	1/2/2003	0	0	0	0	0	100	0
B-24	RB-210	1/3/2003	10	0	0	0	0	50	0
B-24	RB-210	1/6/2003	0	0	0	0	0	150	0
B-24	RB-210	1/8/2003	0	0	0	0	0	25	0
B-24	RB-210	1/10/2003	0	0	0	0	0	50	0
B-24	RB-210	1/14/2003	0	0	0	0	0	50	0
B-24	RB-210	1/15/2003	0	0	0	0	0	100	0
B-24	RB-210	1/16/2003	5	0	0	0	0	25	0
B-24	RB-210	1/21/2003	50	0	0	0	0	30	0
B-24	RB-210	1/22/2003	5	0	0	0	0	0	0
B-24	RB-210	1/23/2003	0	0	0	0	0	5	0
B-24	RB-210	1/24/2003	0	0	0	0	0	5	0
B-24	RB-210	1/31/2003	5	0	0	0	0	0	0
B-24	RB-210	2/3/2003	5	0	0	0	0	0	0
B-24	RB-210	2/6/2003	5	0	0	0	0	0	0
B-24	RB-210	2/10/2003	0	0	0	0	0	15	0
B-24	RB-210	2/11/2003	0	0	0	0	0	15	0
B-24	RB-210	2/12/2003	0	0	0	0	0	10	0
B-24	RB-210	2/13/2003	0	0	0	0	0	13	0
B-24	RB-210	2/14/2003	0	0	0	0	0	10	0
B-24	RB-210	2/19/2003	5	0	0	0	0	25	0
B-24	RB-210	2/21/2003	0	0	0	0	0	10	0
B-24	RB-210	2/27/2003	0	0	0	0	0	100	0
B-24	RB-210	2/28/2003	0	0	0	0	0	25	0
B-24	RB-210	3/3/2003	0	0	0	0	0	50	0
B-24	RB-210	3/5/2003	0	0	0	0	0	50	0
B-24	RB-210	3/6/2003	0	0	0	0	0	50	0
B-24	RB-210	3/7/2003	20	0	0	0	0	50	0
B-24	RB-210	3/12/2003	50	0	0	0	0	0	0
B-24	RB-210	3/13/2003	5	0	0	0	0	20	0
B-24	RB-210	3/14/2003	50	0	0	0	0	0	0
B-24	RB-210	3/18/2003	0	0	0	0	0	10	0
B-24	RB-210	3/20/2003	0	0	0	0	0	10	0
B-24	RB-210	3/24/2003	0	0	0	0	0	60	0
B-24	RB-210	3/25/2003	5	0	0	0	0	0	0
B-24	RB-210	3/26/2003	5	0	0	0	0	0	0
B-24	RB-210	3/28/2003	10	0	0	0	0	0	0
B-24	RB-210	3/31/2003	20	0	0	0	0	0	0
B-24	RB-210	4/1/2003	5	0	0	0	0	0	0
B-24	RB-210	4/2/2003	5	0	0	0	0	0	0
B-24	RB-210	4/3/2003	25	0	0	0	0	0	0
B-24	RB-210	4/4/2003	10	0	0	0	0	0	0
B-24	RB-210	4/7/2003	15	0	0	0	0	0	0
B-24	RB-210	4/10/2003	5	0	0	0	0	0	0
B-24	RB-210	4/11/2003	10	0	0	0	0	0	0
B-24	RB-210	4/16/2003	0	0	0	0	0	30	0
B-24	RB-210	4/17/2003	0	0	0	0	0	30	0
B-24	RB-210	4/21/2003	0	0	0	0	0	30	0
B-24	RB-210	4/22/2003	10	0	0	0	0	0	0
B-24	RB-210	4/23/2003	5	0	0	0	0	0	0
B-24	RB-210	4/24/2003	10	0	0	0	0	0	0
B-24	RB-210	4/28/2003	100	0	0	0	0	0	0

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B-24	RB-210	4/29/2003	105	0	0	0	0	0	0
B-24	RB-210	5/1/2003	50	0	0	0	0	0	0
B-24	RB-210	5/7/2003	40	0	0	0	0	0	0
B-24	RB-210	5/8/2003	30	0	0	0	0	0	0
B-24	RB-210	5/9/2003	0	0	0	0	0	50	0
B-24	RB-210	5/13/2003	5	0	0	0	0	0	0
B-24	RB-210	5/26/2003	25	0	0	0	0	0	0
B-24	RB-210	5/29/2003	0	0	0	0	0	50	0
B-24	RB-210	5/30/2003	5	0	0	0	0	0	0
B-24	RB-210	6/4/2003	0	0	0	0	0	50	0
B-24	RB-210	6/6/2003	13	0	0	0	0	0	0
B-24	RB-210	6/9/2003	3	0	0	0	0	0	0
B-24	RB-210	6/10/2003	3	0	0	0	0	0	0
B-24	RB-210	6/11/2003	0	0	0	0	0	245	0
B-24	RB-210	6/13/2003	0	0	0	0	0	10	0
B-24	RB-210	6/16/2003	10	0	0	0	0	10	0
B-24	RB-210	6/17/2003	5	0	0	0	0	5	0
B-24	RB-210	6/18/2003	5	0	0	0	0	0	0
B-24	RB-210	6/19/2003	3	0	0	0	0	0	0
B-24	RB-210	6/20/2003	3	0	0	0	0	0	0
B-24	RB-210	6/23/2003	6	0	0	0	0	0	0
B-24	RB-210	6/27/2003	3	0	0	0	0	0	0
B-24	RB-210	6/30/2003	5	0	0	0	0	0	0
B-24	RB-210	7/13/2003	5	0	0	0	0	0	0
B-24	RB-210	7/14/2003	0	0	0	0	0	50	0
B-24	RB-210	7/28/2003	0	0	0	0	0	100	0
B-24	RB-210	7/30/2003	0	0	0	0	0	90	0
B-24	RB-210	8/9/2003	0	0	0	0	0	3	0
B-24	RB-210	8/11/2003	11	0	0	0	0	0	0
B-24	RB-210	8/13/2003	5	0	0	0	0	0	0
B-24	RB-210	8/21/2003	0	0	0	0	0	5	0
B-24	RB-210	8/26/2003	6	0	0	0	0	0	0
B-24	RB-210	8/27/2003	6	0	0	0	0	0	0
B-24	RB-210	8/29/2003	0	0	0	0	0	3	0
B-24	RB-210	9/2/2003	0	0	0	0	0	8	0
B-24	RB-210	9/11/2003	0	0	0	0	0	17	0
B-24	RB-210	9/17/2003	12	0	0	0	0	0	0
B-24	RB-210	9/18/2003	15	0	0	0	0	0	0
B-24	RB-210	9/25/2003	10	0	0	0	0	0	0
B-24	RB-210	9/26/2003	10	0	0	0	0	0	0
B-24	RB-210	10/22/2003	8	0	0	0	0	0	0
B-24	RB-210	10/23/2003	8	0	0	0	0	0	0
B-24	RB-210	10/24/2003	8	0	0	0	0	0	0
B-24	RB-210	11/6/2003	13	0	0	0	0	0	0
B-24	RB-210	11/7/2003	163	0	0	0	0	0	0
B-24	RB-210	11/13/2003	20	0	0	0	0	0	0
B-24	RB-210	11/21/2003	30	0	0	0	0	0	0
B-24	RB-210	11/25/2003	20	0	0	0	0	75	0
B-24	RB-210	12/1/2003	0	0	0	0	0	75	0
B-24	RB-210	12/3/2003	10	0	0	0	0	0	0
B-24	RB-210	12/4/2003	0	0	0	0	0	20	0
B-24	RB-210	12/11/2003	5	0	0	0	0	0	0
B-24	RB-210	12/17/2003	31	0	0	0	0	0	0
B-24	RB-210	12/18/2003	15	0	0	0	0	20	0
B-24	RB-210	12/19/2003	6	0	0	0	0	0	0
B-24	RB-210	12/30/2003	20	0	0	0	0	0	0
B-24	RB-211	6/3/2003	0	0	0	0	0	1	0
B-24	RB-211	10/2/2003	0	0	0	1	0	0	0
B-24	RB-212	5/27/2003	0	0	0	0	0	3	0
B-24	RB-212	5/30/2003	0	0	0	0	0	80	0
B-24	RB-212	6/3/2003	0	0	0	0	0	2	0
B-24	RB-212	6/5/2003	0	0	0	0	0	2	0
B-24	RB-212	6/6/2003	0	0	0	0	4	0	0
B-24	RB-212	6/25/2003	0	0	0	0	0	4	0
B-24	RB-212	7/1/2003	0	0	0	0	0	6	0
B-24	RB-212	7/3/2003	0	0	0	0	0	8	0
B-24	RB-212	7/21/2003	0	0	0	0	0	70	0
B-24	RB-212	7/28/2003	0	0	0	0	0	4	0

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B-24	RB-212	8/6/2003	0	0	0	0	0	1	0
B-24	RB-212	8/7/2003	0	0	0	0	0	4	0
B-24	RB-212	8/12/2003	0	0	0	0	0	6	0
B-24	RB-212	8/19/2003	0	0	0	0	0	3	0
B-24	RB-212	8/29/2003	0	0	0	0	0	6	0
B-24	RB-212	9/3/2003	0	0	0	0	0	4	0
B-24	RB-212	9/5/2003	0	0	0	0	0	230	0
B-24	RB-212	9/8/2003	0	0	0	0	0	6	0
B-24	RB-212	9/15/2003	0	0	0	0	0	5	0
B-24	RB-212	9/17/2003	3	0	0	0	0	6	0
B-24	RB-212	9/25/2003	1	0	0	0	0	4	0
B-24	RB-212	9/29/2003	0	0	0	0	0	3	0
B-24	RB-212	10/1/2003	0	0	0	0	0	250	0
B-24	RB-212	10/3/2003	0	0	0	0	0	5	0
B-24	RB-212	10/10/2003	0	0	0	0	0	100	0
B-24	RB-212	10/17/2003	0	0	0	0	0	9	0
B-24	RB-212	10/29/2003	0	0	0	0	9	0	0
B-24	RB-212	10/30/2003	0	0	0	0	6	0	0
B-24	RB-212	10/31/2003	0	0	0	0	3	3	0
B-24	RB-212	11/3/2003	0	0	0	0	0	58	0
B-24	RB-212	11/6/2003	0	0	0	0	0	6	0
B-24	RB-212	11/14/2003	0	0	0	0	0	8	0
B-24	RB-212	11/18/2003	0	0	0	0	0	6	0
B-24	RB-212	11/25/2003	0	0	0	0	0	6	0
B-24	RB-212	12/1/2003	0	0	0	0	10	0	0
B-24	RB-212	12/3/2003	0	0	0	0	18	0	0
B-24	RB-212	12/4/2003	0	0	0	0	7	0	0
B-24	RB-212	12/16/2003	0	0	0	0	0	95	0
B-24	RB-212	12/22/2003	0	0	0	0	0	105	0
B-24	RB-212	12/23/2003	0	0	0	0	0	11	0
B-24	RB-214C	1/6/2003	0	0	0	0	0	50	0
B-24	RB-214C	1/7/2003	0	0	0	0	0	70	0
B-24	RB-214C	1/29/2003	0	1	0	0	0	0	0
B-24	RB-214C	2/19/2003	0	1	0	0	0	0	0
B-24	RB-214C	2/28/2003	0	1	0	0	0	0	0
B-24	RB-214C	4/1/2003	100	0	0	0	0	0	0
B-24	RB-214C	4/10/2003	20	0	0	0	0	0	0
B-24	RB-214C	4/14/2003	20	0	0	0	0	0	0
B-24	RB-214C	5/7/2003	0	1.5	0	0	0	0	0
B-24	RB-221	6/4/2003	0	0	0	0	0	50	0
B-24	RB-221	6/12/2003	4	0	0	0	0	0	0
B-24	RB-221	9/9/2003	0	0	0	0	0	10	0
B-24	RB-221	9/24/2003	0	0	0	0	0	10	0
B-24	RB-221	10/2/2003	0	0	0	0	0	10	0
B-24	RB-221	10/6/2003	0	0	0	0	0	10	0
B-24	RB-221	11/26/2003	0	0	0	0	0	10	0
B-24	RB-221	12/4/2003	0	0	0	0	0	10	0
B-24	RB-222C	1/23/2003	0	0	0	0	0	1	0
B-24	RB-222C	3/26/2003	0	0	0	0	0	1	0
B-24	RB-222C	3/28/2003	0	0	0	0	0	1	0
B-24	RB-222C	4/1/2003	0	0	0	0	0	1	0
B-24	RB-222C	4/2/2003	0	0	0	0	0	1	0
B-24	RB-222C	4/3/2003	0	0	0	0	0	1	0
B-24	RB-222C	4/4/2003	0	0	0	0	0	1	0
B-24	RB-222C	4/30/2003	0	0	0	0	0	1	0
B-24	RB-222C	5/1/2003	0	0	0	0	0	1	0
			1467	8.5	0	1	57	3451	0
B-31	RA-212	1/7/2003	0	0	0	1	0	0	0
B-31	RA-212	1/8/2003	0	0	0	2	0	0	0
B-31	RA-212	1/14/2003	0	0	0	1	0	0	0
B-31	RA-212	1/15/2003	0	0	0	1	0	0	0
B-31	RA-212	1/20/2003	0	0	0	1	0	0	0
B-31	RA-212	1/28/2003	0	0	0	1	0	0	0
B-31	RA-212	1/29/2003	0	0	0	3	0	0	0
B-31	RA-212	1/30/2003	0	0	0	1	0	0	0

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B-31	RA-212	2/4/2003	0	0	0	5	0	0	0
B-31	RA-212	2/5/2003	0	0	0	3	0	0	0
B-31	RA-212	2/7/2003	0	0	0	1	0	0	0
B-31	RA-212	2/10/2003	0	0	0	1	0	0	0
B-31	RA-212	2/13/2003	0	0	0	1	0	0	0
B-31	RA-212	2/14/2003	0	0	0	2	0	0	0
B-31	RA-212	2/19/2003	0	0	0	2	0	0	0
B-31	RA-212	2/21/2003	0	0	0	1	0	0	0
B-31	RA-212	2/26/2003	0	0	0	1	0	0	0
B-31	RA-212	2/27/2003	0	0	0	1	0	0	0
B-31	RA-212	3/1/2003	0	0	0	1	0	0	0
B-31	RA-212	3/13/2003	0	0	0	2	0	0	0
B-31	RA-212	3/14/2003	0	0	0	2	0	0	0
B-31	RA-212	3/15/2003	0	0	0	2	0	0	0
B-31	RA-212	3/20/2003	0	0	0	1	0	0	0
B-31	RA-212	3/24/2003	0	0	0	2	0	0	0
B-31	RA-212	3/26/2003	0	0	0	4	0	0	0
B-31	RA-212	3/28/2003	0	0	0	3	0	0	0
B-31	RA-212	3/31/2003	0	0	0	2	0	0	0
B-31	RA-212	4/1/2003	0	0	0	2	0	0	0
B-31	RA-212	4/2/2003	0	0	0	5	0	0	0
B-31	RA-212	4/3/2003	0	0	0	4	0	0	0
B-31	RA-212	4/4/2003	0	0	0	6	0	0	0
B-31	RA-212	4/9/2003	0	0	0	5	0	0	0
B-31	RA-212	4/11/2003	0	0	0	8	0	0	0
B-31	RA-212	4/15/2003	0	0	0	6	0	0	0
B-31	RA-212	4/16/2003	0	0	0	2	0	0	0
B-31	RA-212	4/17/2003	0	0	0	4	0	0	0
B-31	RA-212	4/22/2003	0	0	0	4	0	0	0
B-31	RA-212	4/23/2003	0	0	0	6	0	0	0
B-31	RA-212	4/24/2003	0	0	0	2	0	0	0
B-31	RA-212	4/29/2003	0	0	0	2	0	0	0
B-31	RA-212	4/30/2003	0	0	0	2	0	0	0
B-31	RA-212	5/6/2003	0	0	0	2	0	0	0
B-31	RA-212	5/7/2003	0	0	0	2	0	0	0
B-31	RA-212	5/14/2003	0	0	0	2	0	0	0
B-31	RA-212	5/15/2003	0	0	0	2	0	0	0
B-31	RA-212	5/21/2003	0	0	0	2	0	0	0
B-31	RA-212	5/22/2003	0	0	0	2	0	0	0
B-31	RA-212	5/24/2003	0	0	0	2	0	0	0
B-31	RA-212	5/29/2003	0	0	0	4	0	0	0
B-31	RA-212	6/3/2003	0	0	0	2	0	0	0
B-31	RA-212	6/19/2003	0	0	0	2	0	0	0
B-31	RA-212	6/20/2003	0	0	0	2	0	0	0
B-31	RA-212	6/25/2003	0	0	0	2	0	0	0
B-31	RA-212	7/1/2003	0	0	0	2	0	0	0
B-31	RA-212	7/9/2003	0	0	0	1	0	0	0
B-31	RA-212	7/13/2003	0	0	0	1	0	0	0
B-31	RA-212	7/23/2003	0	0	0	1	0	0	0
B-31	RA-212	8/1/2003	0	0	0	2	0	0	0
B-31	RA-212	8/6/2003	0	0	0	1	0	0	0
B-31	RA-212	8/7/2003	0	0	0	5	0	0	0
B-31	RA-212	8/8/2003	0	0	0	6	0	0	0
B-31	RA-212	8/20/2003	0	0	0	2	0	0	0
B-31	RA-212	8/27/2003	0	0	0	3	0	0	0
B-31	RA-212	8/28/2003	0	0	0	2	0	0	0
B-31	RA-212	9/2/2003	0	0	0	5	0	0	0
B-31	RA-212	9/4/2003	0	0	0	1	0	0	0
B-31	RA-212	9/16/2003	0	0	0	2	0	0	0
B-31	RA-212	9/18/2003	0	0	0	1	0	0	0
B-31	RA-212	9/22/2003	0	0	0	3	0	0	0
B-31	RA-212	9/23/2003	0	0	0	2	0	0	0
B-31	RA-212	9/24/2003	0	0	0	1	0	0	0
B-31	RA-212	9/26/2003	0	0	0	1	0	0	0
B-31	RA-212	10/6/2003	0	0	0	2	0	0	0
B-31	RA-212	10/10/2003	0	0	0	1	0	0	0
B-31	RA-212	10/22/2003	0	0	0	1	0	0	0
B-31	RA-212	10/31/2003	0	0	0	2	0	0	0
B-31	RA-212	11/4/2003	0	0	0	2	0	0	0
B-31	RA-212	11/6/2003	0	0	0	2	0	0	0

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B-31	RA-212	11/7/2003	0	0	0	2	0	0	0
B-31	RA-212	11/19/2003	0	0	0	4	0	0	0
B-31	RA-212	11/21/2003	0	0	0	2	0	0	0
B-31	RA-212	12/4/2003	0	0	0	2	0	0	0
B-31	RA-212	12/15/2003	0	0	0	1	0	0	0
B-31	RA-212	12/17/2003	0	0	0	1	0	0	0
B-31	RA-212	12/22/2003	0	0	0	1	0	0	0
B-31	RA-212	12/29/2003	0	0	0	1	0	0	0
B-31	RA-217	3/11/2003	0	0	0	15	0	0	0
B-31	RA-217	4/5/2003	0	0	0	6	0	0	0
B-31	RA-217	4/8/2003	0	0	0	30	0	0	0
B-31	RA-217	4/15/2003	0	0	0	25	0	0	0
			0	0	0	274	0	0	0

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B-36	SINK	1/7/2003	0	0	0	233	0	0	0
B-36	SINK	1/8/2003	0	0	0	20	0	0	0
B-36	SINK	1/13/2003	0	0	0	75	0	0	0
B-36	SINK	1/15/2003	0	150	0	0	0	1	0
B-36	SINK	1/16/2003	0	0	0	173	0	0	0
B-36	SINK	1/17/2003	0	0	0	75	0	0	0
B-36	SINK	1/21/2003	0	50	0	0	0	0	0
B-36	SINK	1/22/2003	0	0	0	350	0	0	0
B-36	SINK	1/23/2003	0	0	0	20	0	0	0
B-36	SINK	1/27/2003	0	0	0	76	0	1	0
B-36	SINK	1/28/2003	0	0	0	200	0	0	0
B-36	SINK	1/29/2003	0	0	0	750	0	0	0
B-36	SINK	2/4/2003	26	0	0	200	0	0	0
B-36	SINK	2/5/2003	4	0	0	0	0	0	0
B-36	SINK	2/6/2003	0	0	0	5	0	24	0
B-36	SINK	2/7/2003	0	0	0	2.4	0	0	0
B-36	SINK	2/10/2003	0	0	0	62	0	0	0
B-36	SINK	2/11/2003	0	0	0	578	0	0	0
B-36	SINK	2/12/2003	0	0	0	66	0	11	0
B-36	SINK	2/13/2003	0	0	0	0	0	11	0
B-36	SINK	2/19/2003	0	0	0	208	0	0	0
B-36	SINK	2/20/2003	0	0	0	0	0	82	0
B-36	SINK	2/21/2003	0	0	0	129	0	11	0
B-36	SINK	2/24/2003	0	0	0	162	0	0	0
B-36	SINK	2/25/2003	0	0	0	480	0	22	0
B-36	SINK	2/27/2003	0	0	0	132	0	0	0
B-36	SINK	2/28/2003	0	0	0	66	0	0	0
B-36	SINK	3/3/2003	0	0	0	135	0	0	0
B-36	SINK	3/4/2003	0	0	0	100	7.3	26	0
B-36	SINK	3/5/2003	40	0	0	100	3	53	0
B-36	SINK	3/6/2003	0	0	0	25	0	0	0
B-36	SINK	3/7/2003	0	0	0	0	0	22	0
B-36	SINK	3/10/2003	0	0	0	8	0	0	0
B-36	SINK	3/10/2003	0	0	0	76	0	0	0
B-36	SINK	3/12/2003	0	0	0	314	0	0	0
B-36	SINK	3/13/2003	28	0	0	25	0	0	0
B-36	SINK	3/14/2003	0	0	0	50	0	1025	0
B-36	SINK	3/17/2003	0	0	0	50	0	22	0
B-36	SINK	3/17/2003	0	0	0	14	0	0	0
B-36	SINK	3/18/2003	0	0	0	50	0	44	0
B-36	SINK	3/19/2003	0	0	0	50	0	88	0
B-36	SINK	3/20/2003	0	0	0	145	0	0	0
B-36	SINK	3/21/2003	0	0	0	20	0	66	0
B-36	SINK	3/24/2003	0	0	0	8	0	0	0
B-36	SINK	3/25/2003	0	0	0	40	0	0	0
B-36	SINK	3/26/2003	0	0	0	203	0	0	0
B-36	SINK	3/26/2003	0	0	0	66	0	0	0
B-36	SINK	3/27/2003	0	0	0	25	0	0	0
B-36	SINK	3/28/2003	0	0	0	150	0	0	0
B-36	SINK	3/28/2003	0	0	0	310	0	0	0
B-36	SINK	3/31/2003	0	0	0	68	0	0	0
B-36	SINK	4/1/2003	0	0	0	20	0	0	0
B-36	SINK	4/2/2003	0	0	0	20	0	0	0
B-36	SINK	4/3/2003	0	0	0	15	0	0	0

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B-36	SINK	4/6/2003	33	0	0	33	0	33	0
B-36	SINK	4/7/2003	0	0	0	98	0	0	0
B-36	SINK	4/8/2003	0	0	0	180	0	0	0
B-36	SINK	4/10/2003	0	0	0	120	0	0	0
B-36	SINK	4/14/2003	80	0	0	0	0	0	0
B-36	SINK	4/15/2003	0	0	0	132	0	0	0
B-36	SINK	4/21/2003	0	0	0	350	0	0	0
B-36	SINK	4/22/2003	0	0	0	226	0	0	0
B-36	SINK	4/24/2003	0	0	0	95	0	0	0
B-36	SINK	4/28/2003	0	0	0	325	0	0	0
B-36	SINK	4/29/2003	0	0	0	125	0	90	0
B-36	SINK	4/30/2003	0	0	0	510	0	44	0
B-36	SINK	5/1/2003	0	0	0	250	0	0	0
B-36	SINK	5/2/2003	40	0	0	0	0	0	0
B-36	SINK	5/5/2003	0	0	0	50	0	44	0
B-36	SINK	5/6/2003	0	0	0	78	0	0	0
B-36	SINK	5/7/2003	0	0	0	80	0	0	0
B-36	SINK	5/8/2003	0	0	0	116	0	0	0
B-36	SINK	5/9/2003	0	0	0	0	0	22	0
B-36	SINK	5/13/2003	0	0	0	50	0	4.4	0
B-36	SINK	5/14/2003	0	0	0	10	0	0	0
B-36	SINK	5/15/2003	0	0	0	440	0	0	0
B-36	SINK	5/17/2003	0	0	0	15	0	0	0
B-36	SINK	5/19/2003	0	0	0	33	0	0	0
B-36	SINK	5/20/2003	0	0	0	50	0	0	0
B-36	SINK	5/21/2003	0	0	0	350	0	0	0
B-36	SINK	5/22/2003	82.5	0	0	78	0	0	0
B-36	SINK	5/23/2003	0	0	0	5	0	0	0
B-36	SINK	5/27/2003	0	0	0	425	0	0	0
B-36	SINK	5/28/2003	0	0	0	520	0	0	0
B-36	SINK	5/29/2003	0	0	0	1240	0	0	0
B-36	SINK	5/30/2003	0	0	0	66	0	0	0
B-36	SINK	6/2/2003	0	0	0	151	0	0	0
B-36	SINK	6/4/2003	11.6	0	0	0	0	0	0
B-36	SINK	6/5/2003	166	0	0	0	0	0	0
B-36	SINK	6/6/2003	100	0	0	0	0	0	0
B-36	SINK	6/8/2003	0	0	0	75	0	0	0
B-36	SINK	6/9/2003	0	0	0	18	0	0	0
B-36	SINK	6/10/2003	13.5	0	0	50	0	0	0
B-36	SINK	6/11/2003	112	0	0	30	0	0	0
B-36	SINK	6/12/2003	50	0	0	0	0	0	0
B-36	SINK	6/13/2003	0	0	0	12.5	0	0	0
B-36	SINK	6/16/2003	25	0	0	370	0	0	0
B-36	SINK	6/17/2003	60	0	0	550	0	0	0
B-36	SINK	6/18/2003	37	0	0	0	0	0	0
B-36	SINK	6/19/2003	50	0	0	238	0	0	0
B-36	SINK	6/20/2003	0	0	0	0	0	50	0
B-36	SINK	6/23/2003	50	0	0	0	0	0	0
B-36	SINK	6/24/2003	60	0	0	81	0	0	0
B-36	SINK	6/26/2003	30	0	0	0	0	0	0
B-36	SINK	6/27/2003	10	0	0	25	0	0	0
B-36	SINK	6/30/2003	50	0	0	0	0	0	0
B-36	SINK	7/1/2003	0	0	0	35	0	0	0
B-36	SINK	7/2/2003	50	0	0	249	0	0	0
B-36	SINK	7/7/2003	0	0	0	0	0	4.4	0
B-36	SINK	7/8/2003	50	0	0	0	0	0	0
B-36	SINK	7/22/2003	0	0	0	128	0	0	0
B-36	SINK	7/23/2003	0	0	0	25	0	0	0
B-36	SINK	7/30/2003	0	0	0	15	0	0	0
B-36	SINK	7/31/2003	0	0	0	15	0	0	0
B-36	SINK	8/1/2003	0	0	0	400	0	0	0
B-36	SINK	8/4/2003	50	0	0	150	0	0	0
B-36	SINK	8/6/2003	0	0	0	5	0	0	0
B-36	SINK	8/14/2003	0	0	0	16	0	0	0
B-36	SINK	8/15/2003	0	0	0	16	0	0	0
B-36	SINK	8/19/2003	0	0	0	13.75	0	0	0
B-36	SINK	8/20/2003	112.5	0	0	20	0	0	0
B-36	SINK	8/21/2003	0	0	0	10	0	0	0
B-36	SINK	8/22/2003	0	0	0	50	0	0	0
B-36	SINK	8/25/2003	0	0	0	10	0	0	0

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B-36	SINK	8/28/2003	0	0	0	156	0	0	0
B-36	SINK	8/29/2003	0	0	0	0	0	300	0
B-36	SINK	8/29/2003	0	0	0	12.5	0	0	0
B-36	SINK	9/3/2003	0	0	0	5	0	0	0
B-36	SINK	9/4/2003	0	0	0	15	0	0	0
B-36	SINK	9/5/2003	50	0	0	0	0	0	0
B-36	SINK	9/8/2003	0	0	0	12	0	0	0
B-36	SINK	9/9/2003	100	0	0	0	0	0	0
B-36	SINK	9/11/2003	0	0	0	228	0	0	0
B-36	SINK	9/12/2003	0	0	0	32	0	0	0
B-36	SINK	9/15/2003	0	0	0	600	0	0	0
B-36	SINK	9/18/2003	0	0	0	15	0	0	0
B-36	SINK	9/22/2003	0	0	0	310	0	0	0
B-36	SINK	9/24/2003	0	0	0	240	0	0	0
B-36	SINK	9/25/2003	0	0	0	20	0	0	0
B-36	SINK	9/29/2003	0	0	0	50	0	0	0
B-36	SINK	10/1/2003	0	0	0	66	0	0	0
B-36	SINK	10/2/2003	0	0	0	91	0	0	0
B-36	SINK	10/3/2003	34	0	0	0	0	0	0
B-36	SINK	10/6/2003	0	0	0	40	0	10	0
B-36	SINK	10/7/2003	0	0	0	10	0	0	0
B-36	SINK	10/8/2003	0	0	0	4	0	0	0
B-36	SINK	10/9/2003	0	0	0	230	0	0	0
B-36	SINK	10/14/2003	0	0	0	160	0	0	0
B-36	SINK	10/16/2003	0	0	0	370	0	0	0
B-36	SINK	10/17/2003	0	0	0	215	0	0	0
B-36	SINK	10/20/2003	0	0	0	330	0	0	0
B-36	SINK	10/22/2003	0	0	0	50	0	0	0
B-36	SINK	10/23/2003	0	0	0	66	0	0	0
B-36	SINK	10/24/2003	0	0	0	1100	0	1200	0
B-36	SINK	10/27/2003	0	0	0	757	0	0	0
B-36	SINK	10/28/2003	0	0	0	380	0	0	0
B-36	SINK	10/29/2003	0	0	0	310	0	0	0
B-36	SINK	10/30/2003	0	0	0	650	0	0	0
B-36	SINK	10/31/2003	0	0	0	433	0	0	0
B-36	SINK	11/3/2003	0	0	0	1300	0	0	0
B-36	SINK	11/4/2003	50	0	0	0	0	0	0
B-36	SINK	11/6/2003	225	0	0	300	0	0	0
B-36	SINK	11/7/2003	0	0	0	200	0	0	0
B-36	SINK	11/10/2003	85	0	0	1200	0	0	0
B-36	SINK	11/11/2003	50	0	0	400	0	0	0
B-36	SINK	11/12/2003	0	0	0	100	0	0	0
B-36	SINK	11/13/2003	0	0	0	26	0	0	0
B-36	SINK	11/14/2003	0	0	0	1000	0	0	0
B-36	SINK	11/18/2003	150	0	0	50	0	0	0
B-36	SINK	11/19/2003	0	0	0	1050	0	0	0
B-36	SINK	11/20/2003	0	0	0	180	0	0	0
B-36	SINK	11/21/2003	0	0	0	375	0	0	0
B-36	SINK	11/24/2003	0	0	0	160	0	0	0
B-36	SINK	11/25/2003	0	0	0	375	0	0	0
B-36	SINK	11/26/2003	0	0	0	33	0	0	0
B-36	SINK	12/1/2003	0	0	0	80	0	0	0
B-36	SINK	12/2/2003	100	0	0	0	0	0	0
B-36	SINK	12/3/2003	5	0	0	18	0	0	0
B-36	SINK	12/4/2003	60	0	0	150	0	0	0
B-36	SINK	12/5/2003	0	0	0	130	0	0	0
B-36	SINK	12/8/2003	0	0.5	0	375	0	0	0
B-36	SINK	12/9/2003	0	0	0	720	0	0	0
B-36	SINK	12/10/2003	0	0	0	120	0	0	0
B-36	SINK	12/11/2003	0	0	0	33.3	0	0	0
B-36	SINK	12/15/2003	200	0	0	0	0	0	0
B-36	SINK	12/18/2003	0	0	0	100	0	0	0
B-36	SINK	12/22/2003	0	0	0	266	0	0	0
B-36	SINK	12/23/2003	0	48.5	0	0	0	0	0
B-36	SINK	12/29/2003	10	48	0	371	0	0	0
B-36	SINK	12/31/2003	0	0	0	75	0	0	0
			2540.1	297	0	31102.45	10.3	3310.8	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	2002	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings A-16

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	27,299.2
Average gal/day:	898.0
Average ml/day:	3.40E+06

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	0.00E+00	1.0E-02	0.00E+00	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	0.00	0.00	0.00E+00	8.0E-04	0.00E+00	0.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	0.00	0.00	0.00E+00	2.0E-05	0.00E+00	0.00%

SUM of M.A.C. fractions:
(must not exceed unity)

0.00E+00

3.) Water usage: Building B-24

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	15,139.2
Average gal/day:	498.0
Average ml/day:	1.89E+06

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	30,767.00	32,183.00	62,950.00	9.15E-05	1.0E-02	9.15E-03	0.92%
C-14	8,666.00	8,671.00	17,337.00	2.52E-05	3.0E-04	8.40E-02	8.40%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	51.00	51.00	7.42E-08	8.0E-04	9.27E-05	0.01%
S-35	1.00	1.00	2.00	2.91E-09	1.0E-03	2.91E-06	0.00%
CA-45	4.00	0.00	4.00	5.82E-09	2.0E-04	2.91E-05	0.00%
I-125	1.00	2,322.00	2,323.00	3.38E-06	2.0E-05	1.69E-01	16.89%

SUM of M.A.C. fractions:
(must not exceed unity)

2.62E-01

5.) Water usage: Building B-31

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month: 258,795.2
 Average gal/day: 8,513.0
 Average ml/day: 1.89E+06

6.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	1.00	1.00	1.45E-09	1.0E-02	1.45E-07	0.00%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	157.00	157.00	2.28E-07	8.0E-04	2.85E-04	0.03%
S-35	0.00	4.00	4.00	5.82E-09	1.0E-03	5.82E-06	0.00%
I-125	0.00	2.00	2.00	2.91E-09	2.0E-05	1.45E-04	0.01%

SUM of M.A.C. fractions:
 (must not exceed unity)

2.62E-01

7.) Water usage: Building B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month: 20,307.2
 Average gal/day: 668.0
 Average ml/day: 1.89E+06

8.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	27,739.00	27,739.00	4.03E-05	1.0E-02	4.03E-03	0.40%
C-14	0.00	531.00	531.00	7.72E-07	3.0E-04	2.57E-03	0.26%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	16,481.00	16,481.00	2.40E-05	8.0E-04	3.00E-02	3.00%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00%
I-125	0.00	758.00	758.00	1.10E-06	2.0E-05	5.51E-02	5.51%

SUM of M.A.C. fractions:
 (must not exceed unity)

2.62E-01

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	90,690.00 uCi	1.81 % OF YEAR'S LIMIT
TOTAL C-14:	17,868.00 uCi	1.79 % OF YEAR'S LIMIT
ALL OTHERS:	19,782.00 uCi	1.98 % OF YEAR'S LIMIT

Evaluated By: Peter D. Babin

Signature: 

Date: 5-25-03

2002 Sewer Disposal By B/D.

B24-B31-B36 (micromiles)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I	45-Ca ✓
B-24	RB-010B	2/12/2002	1247	4901	0	0	0	0	0
B-24	RB-010B	5/9/2002	1886	51	0	0	0	0	0
B-24	RB-010B	8/16/2002	27632	3714	0	0	0	0	0
B-24	RB-010B	8/17/2002	0	0	0	0	1	1	4
B-24	RB-010B	9/4/2002	2	0	0	0	0	0	0
B-24	RB-207C	8/1/2002	0	0	0	0	0	1	0
B-24	RB-207C	8/9/2002	0	0	0	0	0	2	0
B-24	RB-207C	8/12/2002	0	0	0	0	0	1	0
B-24	RB-207C	10/8/2002	1	0	0	0	0	0	0
B-24	RB-207C	10/10/2002	1	0	0	0	0	0	0
B-24	RB-207C	10/11/2002	1	0	0	0	0	0	0
B-24	RB-207C	12/9/2002	0	0	0	0	0	5	0
B-24	RB-210	1/2/2002	10	0	0	0	0	0	0
B-24	RB-210	1/3/2002	6	0	0	0	0	15	0
B-24	RB-210	1/4/2002	13	0	0	0	0	0	0
B-24	RB-210	1/7/2002	5	0	0	0	0	15	0
B-24	RB-210	1/9/2002	0	0	0	0	0	10	0
B-24	RB-210	1/14/2002	6	0	0	0	0	0	0
B-24	RB-210	1/16/2002	2	0	0	0	0	0	0
B-24	RB-210	1/17/2002	1	0	0	0	0	0	0
B-24	RB-210	1/18/2002	1	0	0	0	0	0	0
B-24	RB-210	1/21/2002	1	0	0	0	0	0	0
B-24	RB-210	1/22/2002	2	0	0	0	0	10	0
B-24	RB-210	1/24/2002	0	0	0	0	0	10	0
B-24	RB-210	1/25/2002	0	0	0	0	0	1	0
B-24	RB-210	2/4/2002	1	0	0	0	0	0	0
B-24	RB-210	2/5/2002	0	0	0	0	0	10	0
B-24	RB-210	2/6/2002	1	0	0	0	0	0	0
B-24	RB-210	2/7/2002	0	0	0	0	0	10	0
B-24	RB-210	2/11/2002	3	0	0	0	0	0	0
B-24	RB-210	2/13/2002	10	0	0	0	0	0	0
B-24	RB-210	2/14/2002	10	0	0	0	0	10	0
B-24	RB-210	2/15/2002	10	0	0	0	0	25	0
B-24	RB-210	2/18/2002	10	0	0	0	0	15	0
B-24	RB-210	2/19/2002	1	0	0	0	0	15	0
B-24	RB-210	2/20/2002	3.5	0	0	0	0	10	0
B-24	RB-210	2/22/2002	2	0	0	0	0	10	0
B-24	RB-210	2/26/2002	0	0	0	0	0	75	0
B-24	RB-210	3/4/2002	0	0	0	0	0	15	0
B-24	RB-210	3/5/2002	0	0	0	0	0	15	0
B-24	RB-210	3/6/2002	0	0	0	0	0	25	0
B-24	RB-210	3/7/2002	10	0	0	0	0	0	0
B-24	RB-210	3/12/2002	0	0	0	0	0	25	0
B-24	RB-210	3/13/2002	5	0	0	0	0	0	0
B-24	RB-210	3/14/2002	12	0	0	0	0	0	0
B-24	RB-210	3/15/2002	0	0	0	0	0	150	0
B-24	RB-210	3/21/2002	0	0	0	0	0	150	0
B-24	RB-210	3/22/2002	20	0	0	0	0	0	0
B-24	RB-210	3/25/2002	100	0	0	0	0	0	0
B-24	RB-210	3/27/2002	80	0	0	0	0	0	0
B-24	RB-210	4/4/2002	50	0	0	0	0	0	0
B-24	RB-210	4/5/2002	0	0	0	0	0	75	0
B-24	RB-210	4/11/2002	60	0	0	0	0	0	0
B-24	RB-210	4/15/2002	0	0	0	0	0	25	0
B-24	RB-210	4/17/2002	2	0	0	0	0	50	0
B-24	RB-210	4/18/2002	0	0	0	0	0	25	0

B-24	RB-210	4/26/2002	0	0	0	0	0	25	0
B-24	RB-210	5/2/2002	0	0	0	0	0	1	0
B-24	RB-210	5/3/2002	0	0	0	0	0	1	0
B-24	RB-210	5/7/2002	0	0	0	0	0	25	0
B-24	RB-210	5/15/2002	0	0	0	0	0	15	0
B-24	RB-210	5/23/2002	4	0	0	0	0	0	0
B-24	RB-210	5/28/2002	10	0	0	0	0	0	0
B-24	RB-210	5/29/2002	5	0	0	0	0	0	0
B-24	RB-210	5/30/2002	3	0	0	0	0	0	0
B-24	RB-210	5/31/2002	6	0	0	0	0	0	0
B-24	RB-210	6/3/2002	3	0	0	0	0	0	0
B-24	RB-210	6/6/2002	11	0	0	0	0	0	0
B-24	RB-210	6/10/2002	4	0	0	0	0	0	0
B-24	RB-210	6/12/2002	80	0	0	0	0	0	0
B-24	RB-210	6/13/2002	2	0	0	0	0	0	0
B-24	RB-210	6/14/2002	4	0	0	0	0	0	0
B-24	RB-210	6/17/2002	2	0	0	0	0	0	0
B-24	RB-210	6/18/2002	0	0	0	0	0	25	0
B-24	RB-210	6/18/2002	54	0	0	0	0	0	0
B-24	RB-210	6/19/2002	35	0	0	0	0	0	0
B-24	RB-210	6/20/2002	3	0	0	0	0	0	0
B-24	RB-210	6/25/2002	14	0	0	0	0	0	0
B-24	RB-210	7/9/2002	14	0	0	0	0	0	0
B-24	RB-210	7/12/2002	7	0	0	0	0	0	0
B-24	RB-210	7/16/2002	8	0	0	0	0	5	0
B-24	RB-210	7/18/2002	5	0	0	0	0	5	0
B-24	RB-210	7/19/2002	20	0	0	0	0	0	0
B-24	RB-210	7/22/2002	155	0	0	0	0	0	0
B-24	RB-210	7/23/2002	107	0	0	0	0	0	0
B-24	RB-210	7/24/2002	3	0	0	0	0	0	0
B-24	RB-210	7/26/2002	12	0	0	0	0	0	0
B-24	RB-210	7/29/2002	25	0	0	0	0	0	0
B-24	RB-210	7/30/2002	1	0	0	0	0	0	0
B-24	RB-210	8/5/2002	0	0	0	0	0	5	0
B-24	RB-210	8/7/2002	3	0	0	0	0	6	0
B-24	RB-210	8/8/2002	9	0	0	0	0	5	0
B-24	RB-210	8/9/2002	2	0	0	0	0	0	0
B-24	RB-210	8/12/2002	2	0	0	0	0	0	0
B-24	RB-210	8/14/2002	4	0	0	0	0	0	0
B-24	RB-210	8/15/2002	4	0	0	0	0	0	0
B-24	RB-210	8/19/2002	8	0	0	0	0	0	0
B-24	RB-210	8/20/2002	8	0	0	0	0	0	0
B-24	RB-210	8/21/2002	6	0	0	0	0	0	0
B-24	RB-210	8/25/2002	0	0	0	0	0	8	0
B-24	RB-210	8/26/2002	0	0	0	0	0	8	0
B-24	RB-210	8/27/2002	0	0	0	0	0	1	0
B-24	RB-210	8/28/2002	2	0	0	0	0	5	0
B-24	RB-210	8/30/2002	2	0	0	0	0	10	0
B-24	RB-210	9/3/2002	0	0	0	0	0	10	0
B-24	RB-210	9/6/2002	2	0	0	0	0	0	0
B-24	RB-210	9/10/2002	2	0	0	0	0	10	0
B-24	RB-210	9/20/2002	0	2	0	0	0	0	0
B-24	RB-210	9/23/2002	3	0	0	0	0	0	0
B-24	RB-210	9/24/2002	3	0	0	0	0	0	0
B-24	RB-210	9/25/2002	3	0	0	0	0	0	0
B-24	RB-210	9/26/2002	0	0	0	0	0	50	0
B-24	RB-210	9/27/2002	0	0	0	0	0	50	0

B-24	RB-210	10/8/2002	0	0	0	0	0	15	0
B-24	RB-210	10/14/2002	0	0	0	0	0	15	0
B-24	RB-210	10/16/2002	0	0	0	0	0	20	0
B-24	RB-210	10/22/2002	0	0	0	0	0	5	0
B-24	RB-210	10/29/2002	0	0	0	0	0	10	0
B-24	RB-210	10/30/2002	0	0	0	0	0	25	0
B-24	RB-210	11/7/2002	0	0	0	0	0	33	0
B-24	RB-210	11/8/2002	0	0	0	0	0	50	0
B-24	RB-210	11/11/2002	0	0	0	0	0	95	0
B-24	RB-210	11/12/2002	0	0	0	0	0	25	0
B-24	RB-210	11/13/2002	0	0	0	0	0	25	0
B-24	RB-210	11/14/2002	0	0	0	0	0	70	0
B-24	RB-210	11/18/2002	20	0	0	0	0	0	0
B-24	RB-210	11/20/2002	30	0	0	0	0	0	0
B-24	RB-210	11/21/2002	25	0	0	0	0	50	0
B-24	RB-210	11/25/2002	0	0	0	0	0	5	0
B-24	RB-210	11/26/2002	0	0	0	0	0	25	0
B-24	RB-210	12/3/2002	0	0	0	0	0	10	0
B-24	RB-210	12/4/2002	0	0	0	0	0	75	0
B-24	RB-210	12/6/2002	0	0	0	0	0	75	0
B-24	RB-210	12/10/2002	20	0	0	0	0	0	0
B-24	RB-210	12/11/2002	20	0	0	0	0	0	0
B-24	RB-210	12/12/2002	75	0	0	0	0	0	0
B-24	RB-210	12/18/2002	0	0	0	0	0	25	0
B-24	RB-210	12/19/2002	0	0	0	0	0	20	0
B-24	RB-211	6/4/2002	0	1	0	0	0	0	0
B-24	RB-211	9/18/2002	0	0	0	1	0	0	0
B-24	RB-211	9/30/2002	0	2	0	0	0	0	0
B-24	RB-212	1/23/2002	0	0	0	0	0	25	0
B-24	RB-212	1/28/2002	0	0	0	0	0	8	0
B-24	RB-212	2/7/2002	0	0	0	0	0	6	0
B-24	RB-212	2/25/2002	75	0	0	0	0	0	0
B-24	RB-214	1/8/2002	0	0	0	0	0	1	0
B-24	RB-221	1/2/2002	0	0	0	0	0	50	0
B-24	RB-221	2/4/2002	0	0	0	50	0	0	0
B-24	RB-221	2/6/2002	0	0	0	0	0	50	0
B-24	RB-221	3/14/2002	0	0	0	0	0	100	0
B-24	RB-221	3/23/2002	0	0	0	0	0	5	0
B-24	RB-221	3/28/2002	0	0	0	0	0	45	0
B-24	RB-221	4/28/2002	0	0	0	0	0	5	0
B-24	RB-221	5/28/2002	0	0	0	0	0	5	0
B-24	RB-221	6/12/2002	0	0	0	0	0	5	0
B-24	RB-221	6/26/2002	0	0	0	0	0	5	0
B-24	RB-221	7/1/2002	0	0	0	0	0	4	0
B-24	RB-221	7/8/2002	0	0	0	0	0	3	0
B-24	RB-221	7/16/2002	0	0	0	0	0	1	0
B-24	RB-221	8/5/2002	0	0	0	0	0	1	0
B-24	RB-221	8/14/2002	0	0	0	0	0	60	0
B-24	RB-221	8/30/2002	0	0	0	0	0	60	0
B-24	RB-221	9/17/2002	0	0	0	0	0	100	0
B-24	RB-221	10/2/2002	0	0	0	0	0	25	0
B-24	RB-222	2/20/2002	1	0	0	0	0	0	0
B-24	RB-222C	3/12/2002	0	0	0	0	0	0.5	0
B-24	RB-222C	3/27/2002	0	0	0	0	0	0.1	0
B-24	RB-222C	4/17/2002	20	0	0	0	0	0	0
B-24	RB-222C	4/24/2002	10	0	0	0	0	0	0
B-24	RB-222C	7/14/2002	0	0	0	0	0	2.5	0

B-24	RB-222C	7/24/2002	0	0	0	0	0	1	0
B-24	RB-222C	8/13/2002	0	0	0	0	0	1	0
B-24	RB-222C	8/15/2002	0	0	0	0	0	4	0
B-24	RB-222C	8/20/2002	9	0	0	0	0	0	0
B-24	RB-222C	9/16/2002	10	0	0	0	0	0	0
			32182.5	8671	0	51	1	2322.1	4

B-31	RA-210	4/4/2002	0	0	0	1	0	0	0
B-31	RA-210	8/21/2002	0	0	0	1	0	0	0
B-31	RA-210	9/27/2002	0	0	0	4	0	0	0
B-31	RA-212	1/16/2002	0	0	0	1	0	0	0
B-31	RA-212	1/17/2002	0	0	0	2	0	0	0
B-31	RA-212	1/20/2002	0	0	0	0.5	0	0	0
B-31	RA-212	1/24/2002	0	0	0	2	0	0	0
B-31	RA-212	1/28/2002	0	0	0	1	0	0	0
B-31	RA-212	1/29/2002	0	0	0	2	0	0	0
B-31	RA-212	1/30/2002	0	0	0	2.5	0	0	0
B-31	RA-212	2/1/2002	0	0	0	0.5	0	0	0
B-31	RA-212	2/12/2002	0	0	0	2	0	0	0
B-31	RA-212	2/13/2002	0	0	0	3	0	0	0
B-31	RA-212	2/14/2002	0	0	0	3	0	0	0
B-31	RA-212	2/18/2002	0	0	0	1	0	0	0
B-31	RA-212	2/20/2002	0	0	0	2.5	0	0	0
B-31	RA-212	2/21/2002	0	0	0	0.6	0	0	0
B-31	RA-212	2/22/2002	0	0	0	0.5	0	0	0
B-31	RA-212	2/25/2002	0	0	0	1.2	0	0	0
B-31	RA-212	3/5/2002	0	0	0	0.2	0	0	0
B-31	RA-212	3/6/2002	0	0	0	1	0	0	0
B-31	RA-212	3/7/2002	0	0	0	1	0	0	0
B-31	RA-212	3/8/2002	0	0	0	0.5	0	0	0
B-31	RA-212	3/11/2002	0	0	0	1.1	0	0	0
B-31	RA-212	3/13/2002	0	0	0	0.5	0	0	0
B-31	RA-212	3/14/2002	0	0	0	0.5	0	0	0
B-31	RA-212	3/15/2002	0	0	0	0.6	0	0	0
B-31	RA-212	3/18/2002	0	0	0	0.5	0	0	0
B-31	RA-212	3/19/2002	0	0	0	1.2	0	0	0
B-31	RA-212	3/20/2002	0	0	0	0.7	0	0	0
B-31	RA-212	3/21/2002	0	0	0	1	0	0	0
B-31	RA-212	3/26/2002	0	0	0	2	0	0	0
B-31	RA-212	3/27/2002	0	0	0	1	0	0	0
B-31	RA-212	4/3/2002	0	0	0	1	0	0	0
B-31	RA-212	4/4/2002	0	0	0	1	0	0	0
B-31	RA-212	4/11/2002	0	0	0	0.5	0	0	0
B-31	RA-212	4/12/2002	0	0	0	0.5	0	0	0
B-31	RA-212	4/15/2002	0	0	0	0.5	0	0	0
B-31	RA-212	4/16/2002	0	0	0	0.5	0	0	0
B-31	RA-212	4/18/2002	0	0	0	0.5	0	0	0
B-31	RA-212	4/19/2002	0	0	0	0.1	0	0	0
B-31	RA-212	4/24/2002	0	0	0	0.1	0	0	0
B-31	RA-212	4/25/2002	0	0	0	0.1	0	0	0
B-31	RA-212	4/26/2002	0	0	0	0.2	0	0	0
B-31	RA-212	4/30/2002	0	0	0	1	0	0	0
B-31	RA-212	5/10/2002	0	0	0	1	0	0	0
B-31	RA-212	5/13/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/14/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/21/2002	0	0	0	0.5	0	0	0

B-31	RA-212	5/22/2002	0	0	0	3	0	0	0
B-31	RA-212	5/23/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/24/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/28/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/29/2002	0	0	0	0.5	0	0	0
B-31	RA-212	5/30/2002	0	0	0	0.2	0	0	0
B-31	RA-212	6/4/2002	0	0	0	0.1	0	0	0
B-31	RA-212	6/5/2002	0	0	0	0.1	0	0	0
B-31	RA-212	6/11/2002	0	0	0	1	0	0	0
B-31	RA-212	6/17/2002	0	0	0	2	0	0	0
B-31	RA-212	6/19/2002	0	0	0	1	0	0	0
B-31	RA-212	6/20/2002	0	0	0	1	0	0	0
B-31	RA-212	6/21/2002	0	0	0	2	0	0	0
B-31	RA-212	6/25/2002	0	0	0	1	0	0	0
B-31	RA-212	6/27/2002	0	0	0	1	0	0	0
B-31	RA-212	6/28/2002	0	0	0	1	0	0	0
B-31	RA-212	7/5/2002	0	0	0	1	0	0	0
B-31	RA-212	7/9/2002	0	0	0	2	0	0	0
B-31	RA-212	7/10/2002	0	0	0	2	0	0	0
B-31	RA-212	7/18/2002	0	0	0	0.5	0	0	0
B-31	RA-212	7/19/2002	0	0	0	1	0	0	0
B-31	RA-212	7/23/2002	0	0	0	1	0	0	0
B-31	RA-212	7/24/2002	0	0	0	0.5	0	0	0
B-31	RA-212	7/25/2002	0	0	0	1.5	0	0	0

B-31	RA-212	7/30/2002	0	0	0	2	0	0	0
B-31	RA-212	8/2/2002	0	0	0	2	0	0	0
B-31	RA-212	8/5/2002	0	0	0	2	0	0	0
B-31	RA-212	8/6/2002	0	0	0	1	0	0	0
B-31	RA-212	8/8/2002	0	0	0	1	0	0	0
B-31	RA-212	8/12/2002	0	0	0	2	0	0	0
B-31	RA-212	8/13/2002	0	0	0	2	0	0	0
B-31	RA-212	8/13/2002	0	0	0	2	0	0	0
B-31	RA-212	8/14/2002	0	0	0	1	0	0	0
B-31	RA-212	8/16/2002	0	0	0	1	0	0	0
B-31	RA-212	8/20/2002	0	0	0	1	0	0	0
B-31	RA-212	8/21/2002	0	0	0	1	0	0	0
B-31	RA-212	8/27/2002	0	0	0	1	0	0	0
B-31	RA-212	8/28/2002	0	0	0	1	0	0	0
B-31	RA-212	8/30/2002	0	0	0	2	0	0	0
B-31	RA-212	9/3/2002	0	0	0	1	0	0	0
B-31	RA-212	9/9/2002	0	0	0	2	0	0	0
B-31	RA-212	9/11/2002	0	0	0	1	0	0	0
B-31	RA-212	9/13/2002	0	0	0	3	0	0	0
B-31	RA-212	9/17/2002	0	0	0	1	0	0	0
B-31	RA-212	9/18/2002	0	0	0	1	0	0	0
B-31	RA-212	9/24/2002	0	0	0	1	0	0	0
B-31	RA-212	9/25/2002	0	0	0	3	0	0	0
B-31	RA-212	9/30/2002	0	0	0	1	0	0	0
B-31	RA-212	10/2/2002	0	0	0	5	0	0	0
B-31	RA-212	10/3/2002	0	0	0	3	0	0	0
B-31	RA-212	10/9/2002	0	0	0	2	0	0	0
B-31	RA-212	10/10/2002	0	0	0	5	0	0	0
B-31	RA-212	10/17/2002	0	0	0	2	0	0	0
B-31	RA-212	10/23/2002	0	0	0	5	0	0	0
B-31	RA-212	10/29/2002	0	0	0	1	0	0	0
B-31	RA-212	10/31/2002	0	0	0	2	0	0	0
B-31	RA-212	11/1/2002	0	0	0	2	0	0	0

B-31	RA-212	11/3/2002	0	0	0	1	0	0	0
B-31	RA-212	11/5/2002	0	0	0	4	0	0	0
B-31	RA-212	11/11/2002	0	0	0	2	0	0	0
B-31	RA-212	11/25/2002	0	0	0	1	0	0	0
B-31	RA-212	11/28/2002	0	0	0	1	0	0	0
B-31	RA-212	12/3/2002	0	0	0	1	0	0	0
B-31	RA-212	12/4/2002	0	0	0	2	0	0	0
B-31	RA-212	12/11/2002	0	0	0	2	0	0	0
B-31	RA-212	12/16/2002	0	0	0	1	0	0	0
B-31	RA-212	12/17/2002	0	0	0	1	0	0	0
B-31	RA-212	12/18/2002	0	0	0	1	0	0	0
B-31	RA-217	11/8/2002	1	0	0	0	0	0	0
B-31	RA-323	2/18/2002	0	0	0	0	1	0	0
B-31	RA-323	3/1/2002	0	0	0	0	3	0	0
B-31	RA-323	4/12/2002	0	0	0	0	0	0.75	0
B-31	RA-323	4/26/2002	0	0	0	0	0	0.75	0
			1	0	0	156.5	4	1.5	0

B-36	SINK	1/2/2002	30	0	0	0	0	0	0
B-36	SINK	1/3/2002	1.5	0	0	5	0	0	0
B-36	SINK	1/7/2002	3	0	0	0	0	0	0
B-36	SINK	1/8/2002	1600	0	0	0	0	0	0
B-36	SINK	1/9/2002	0	0	0	8	0	0	0
B-36	SINK	1/10/2002	0	0	0	1.4	0	0	0
B-36	SINK	1/15/2002	0	0	0	1.4	0	8	0
B-36	SINK	1/15/2002	2.5	0	0	6.8	0	0	0
B-36	SINK	1/16/2002	1552.4	0	0	14	0	0	0
B-36	SINK	1/17/2002	1043.5	0	0	40	0	0	0
B-36	SINK	1/21/2002	7.5	0	0	584.4	0	0	0
B-36	SINK	1/22/2002	1000	0	0	173	0	0	0
B-36	SINK	1/23/2002	0	0	0	173	0	0	0
B-36	SINK	1/24/2002	1000	0	0	223	0	0	0
B-36	SINK	1/25/2002	0	0	0	223	0	0	0
B-36	SINK	1/28/2002	0	0	0	173	0	0	0
B-36	SINK	1/29/2002	0	0	0	340	0	0	0
B-36	SINK	1/30/2002	18.8	0	0	0	0	0	0
B-36	SINK	1/31/2002	404	0	0	0	0	0	0
B-36	SINK	2/1/2002	750	0	0	0	0	0	0
B-36	SINK	2/4/2002	0	0	0	0	0	164	0
B-36	SINK	2/5/2002	0	0	0	2	0	0	0
B-36	SINK	2/6/2002	0	0	0	20	0	0	0
B-36	SINK	2/7/2002	1000	0	0	0	0	0	0
B-36	SINK	2/8/2002	0	0	0	77	0	0	0
B-36	SINK	2/11/2002	0.75	0	0	330	0	0	0
B-36	SINK	2/13/2002	0	0	0	77	0	0	0
B-36	SINK	2/14/2002	0	0	0	421	0	0	0
B-36	SINK	2/15/2002	58	0	0	0	0	0	0
B-36	SINK	2/18/2002	42.5	0	0	5	0	0	0
B-36	SINK	2/19/2002	153	0	0	13	0	0	0
B-36	SINK	2/20/2002	4	0	0	0	0	0	0
B-36	SINK	2/21/2002	0	0	0	65	0	0	0
B-36	SINK	2/25/2002	0	0	0	0	0	5	0
B-36	SINK	2/26/2002	0	0	0	150	0	2	0
B-36	SINK	2/28/2002	0	0	0	93	0	0	0
B-36	SINK	3/7/2002	0	0	0	525	0	0	0
B-36	SINK	3/14/2002	0	0	0	92	0	2	0

B-36	SINK	3/18/2002	0	0	0	8	0	0	0
B-36	SINK	3/20/2002	5	0	0	0	0	0	0
B-36	SINK	3/21/2002	4.5	0	0	0	0	0	0
B-36	SINK	3/25/2002	750	0	0	112.5	0	13	0
B-36	SINK	3/28/2002	0	0	0	98	0	50	0
B-36	SINK	4/2/2002	250	0	0	0	0	0	0
B-36	SINK	4/3/2002	0	0	0	146	0	0	0
B-36	SINK	4/5/2002	20	0	0	6	0	0	0
B-36	SINK	4/9/2002	5	0	0	16	0	27	0
B-36	SINK	4/11/2002	0	0	0	0	0	45	0
B-36	SINK	4/12/2002	0	0	0	44	0	0	0
B-36	SINK	4/15/2002	0	0	0	53	0	1	0
B-36	SINK	4/16/2002	50	0	0	43.5	0	1	0
B-36	SINK	4/17/2002	0	0	0	245	0	54	0
B-36	SINK	4/18/2002	0	0	0	37	0	0.5	0
B-36	SINK	4/19/2002	0	0	0	57	0	0	0
B-36	SINK	4/22/2002	5	0	0	29	0	0	0
B-36	SINK	4/23/2002	0	0	0	137	0	0	0
B-36	SINK	4/24/2002	0	0	0	124	0	0	0
B-36	SINK	4/25/2002	0	0	0	0	0	38	0
B-36	SINK	4/26/2002	0	0	0	57	0	0	0
B-36	SINK	4/30/2002	50	0	0	29	0	59	0
B-36	SINK	5/1/2002	0	0	0	29	0	0	0
B-36	SINK	5/2/2002	0	0	0	200	0	107	0
B-36	SINK	5/10/2002	0	0	0	120	0	0	0
B-36	SINK	5/13/2002	0	0	0	65	0	0	0
B-36	SINK	5/14/2002	0	0	0	15	0	0	0
B-36	SINK	5/15/2002	0	0	0	146	0	2	0
B-36	SINK	5/16/2002	0	0	0	30.2	0	0	0
B-36	SINK	5/17/2002	155	0	0	0	0	0	0
B-36	SINK	5/21/2002	0	0	0	2.4	0	0	0
B-36	SINK	5/22/2002	0	0	0	466	0	0	0
B-36	SINK	5/23/2002	0	0	0	166	0	0	0
B-36	SINK	5/24/2002	120	0	0	0	0	0	0
B-36	SINK	5/24/2002	0	0	0	15	0	0	0
B-36	SINK	5/25/2002	84	0	0	0	0	2	0
B-36	SINK	5/28/2002	0	0	0	10	0	0	0
B-36	SINK	5/29/2002	0	0	0	60	0	0	0
B-36	SINK	5/30/2002	0	0	0	327.4	0	0	0
B-36	SINK	6/3/2002	0	0	0	134	0	0	0
B-36	SINK	6/4/2002	0	0	0	162	0	0	0
B-36	SINK	6/6/2002	0	0	0	450	0	0	0
B-36	SINK	6/10/2002	1	0	0	575	0	0	0
B-36	SINK	6/11/2002	40	0	0	0	0	0.2	0
B-36	SINK	6/12/2002	500	0	0	91	0	0	0
B-36	SINK	6/13/2002	20	0	0	205.5	0	0.2	0
B-36	SINK	6/14/2002	0	0	0	200	0	0	0
B-36	SINK	6/17/2002	0	0	0	170	0	0	0
B-36	SINK	6/18/2002	370	0	0	328	0	0	0
B-36	SINK	6/19/2002	540	0	0	0	0	0	0
B-36	SINK	6/20/2002	0	0	0	108	0	0	0
B-36	SINK	6/21/2002	16	0	0	0	0	0	0
B-36	SINK	6/24/2002	0	0	0	25	0	0	0
B-36	SINK	6/25/2002	500	0	0	0	0	0	0
B-36	SINK	6/26/2002	0	0	0	15	0	0	0
B-36	SINK	6/27/2002	516	0	0	190	0	0	0
B-36	SINK	7/2/2002	516	0	0	169	0	0	0

B-36	SINK	7/9/2002	857	0	0	140	0	0	0
B-36	SINK	7/11/2002	452	0	0	0	0	0	0
B-36	SINK	7/15/2002	50	0	0	50	0	0	0
B-36	SINK	7/16/2002	624	0	0	0	0	0	0
B-36	SINK	7/17/2002	0	0	0	10	0	0	0
B-36	SINK	7/18/2002	0	0	0	225	0	0	0
B-36	SINK	7/22/2002	0	0	0	120	0	0	0
B-36	SINK	7/23/2002	530.4	0	0	0	0	0	0
B-36	SINK	7/29/2002	250	0	0	0	0	0	0
B-36	SINK	7/30/2002	271	0	0	0	0	0	0
B-36	SINK	7/31/2002	1000	0	0	0	0	0	0
B-36	SINK	8/1/2002	502	0	0	0	0	0	0
B-36	SINK	8/2/2002	5	0	0	0	0	0	0
B-36	SINK	8/6/2002	257	0	0	0	0	0	0
B-36	SINK	8/7/2002	530	0	0	0	0	0	0
B-36	SINK	8/9/2002	0	0	0	0	0	2	0
B-36	SINK	8/13/2002	202.8	0	0	825	0	0	0
B-36	SINK	8/14/2002	300	0	0	0	0	0	0
B-36	SINK	8/15/2002	1132.2	0	0	0	0	0	0
B-36	SINK	8/16/2002	250	0	0	0	0	0	0
B-36	SINK	8/19/2002	250	0	0	0	0	0	0
B-36	SINK	8/21/2002	250	0	0	0	0	0	0
B-36	SINK	8/22/2002	250	0	0	0	0	0	0
B-36	SINK	8/23/2002	250	0	0	0	0	0	0
B-36	SINK	8/26/2002	100	0	0	150	0	0	0
B-36	SINK	8/27/2002	752	0	0	125	0	0	0
B-36	SINK	8/28/2002	0	0	0	404	0	0	0
B-36	SINK	8/29/2002	300	0	0	10	0	0	0
B-36	SINK	8/30/2002	10	0	0	0	0	0	0
B-36	SINK	9/3/2002	0	0	0	100	0	0	0
B-36	SINK	9/4/2002	701.4	0	0	125	0	0	0
B-36	SINK	9/5/2002	200	0	0	20	0	0	0
B-36	SINK	9/10/2002	502.8	0	0	0	0	0	0
B-36	SINK	9/11/2002	0	0	0	122	0	6.3	0
B-36	SINK	9/12/2002	200	0	0	2	0	0	0
B-36	SINK	9/13/2002	602.8	0	0	0	0	0	0
B-36	SINK	9/17/2002	3.2	0	0	0	0	0	0
B-36	SINK	9/20/2002	902	0	0	0	0	0	0
B-36	SINK	9/24/2002	602.4	0	0	50	0	0	0
B-36	SINK	9/26/2002	0	0	0	40	0	18	0
B-36	SINK	9/27/2002	154	0	0	0	0	0	0
B-36	SINK	9/30/2002	300	0	0	100	0	0	0
B-36	SINK	10/2/2002	0	0	0	35	0	0	0
B-36	SINK	10/3/2002	0	0	0	20	0	0	0
B-36	SINK	10/4/2002	16	0	0	27	0	0	0
B-36	SINK	10/7/2002	0	0	0	11	0	0	0
B-36	SINK	10/8/2002	0	0	0	10	0	0	0
B-36	SINK	10/10/2002	0	0	0	12	0	0	0
B-36	SINK	10/11/2002	0	75	0	50	0	0	0
B-36	SINK	10/14/2002	480	0	0	125	0	0	0
B-36	SINK	10/15/2002	0	0	0	125	0	131	0
B-36	SINK	10/16/2002	0	0	0	125	0	0	0
B-36	SINK	10/17/2002	0	175	0	125	0	0	0
B-36	SINK	10/18/2002	0	0	0	125	0	0	0
B-36	SINK	10/22/2002	300	0	0	10	0	0	0
B-36	SINK	10/24/2002	60	0	0	0	0	0	0
B-36	SINK	10/29/2002	70	0	0	0	0	0	0

B-36	SINK	10/31/2002	0	125	0	0	0	0	0
B-36	SINK	11/1/2002	0	0	0	66	0	0	0
B-36	SINK	11/4/2002	0	0	0	39.5	0	0	0
B-36	SINK	11/5/2002	0.2	0	0	206	0	0	0
B-36	SINK	11/8/2002	0	100	0	280	0	0	0
B-36	SINK	11/11/2002	20	0	0	0	0	0	0
B-36	SINK	11/12/2002	60	0	0	338.5	0	0	0
B-36	SINK	11/14/2002	0	0	0	138	0	0	0
B-36	SINK	11/18/2002	0	0	0	32	0	0	0
B-36	SINK	11/19/2002	0	0	0	82	0	0	0
B-36	SINK	11/21/2002	0	0	0	50	0	20	0
B-36	SINK	11/22/2002	0	0	0	300	0	0	0
B-36	SINK	11/23/2002	0	0	0	664	0	0	0
B-36	SINK	12/2/2002	0	0	0	160	0	0	0
B-36	SINK	12/3/2002	0	0	0	243	0	0	0
B-36	SINK	12/5/2002	0	56	0	61.5	0	0	0
B-36	SINK	12/10/2002	0	0	0	50	0	0	0
B-36	SINK	12/11/2002	0	0	0	20	0	0	0
B-36	SINK	12/12/2002	0	0	0	220	0	0	0
B-36	SINK	12/13/2002	0	0	0	90	0	0	0
B-36	SINK	12/17/2002	0	0	0	150	0	0	0
B-36	SINK	12/18/2002	0	0	0	10	0	0	0
B-36	SINK	12/19/2002	0	0	0	90	0	0	0
B-36	SINK	12/20/2002	0	0	0	140	0	0	0
B-36	SINK	12/23/2002	0	0	0	5	0	0	0
B-36	SINK	12/31/2002	0	0	0	75	0	0	0
			27739	531	0	16481	0	758	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	2001	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings B-31 and B-24

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	341,240.0
Average gal/day:	11,225.0
Average ml/day:	4.25E+07

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	38,054.00	3,885.00	41,939.00	2.71E-06	1.0E-02	2.71E-04	0.03%
C-14	5,366.00	36.00	5,402.00	3.49E-07	3.0E-04	1.16E-03	0.12%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	2.00	272.00	274.00	1.77E-08	8.0E-04	2.21E-05	0.00%
S-35	0.00	30.00	30.00	1.94E-09	1.0E-03	1.94E-06	0.00%
CA-45	4.00	0.00	4.00	2.58E-10	2.0E-04	1.29E-06	0.00%
I-125	2.00	5,312.00	5,314.00	3.43E-07	2.0E-05	1.71E-02	1.71%

SUM of M.A.C. fractions: **1.86E-02**
(must not exceed unity)

3.) Water usage: Building A-16 & B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	348,262.4
Average gal/day:	11,456.0
Average ml/day:	4.34E+07

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	38,194.00	38,194.00	2.41E-06	1.0E-02	2.41E-04	0.02%
C-14	0.00	2.00	2.00	1.29E-10	3.0E-04	4.30E-07	0.00%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00%
P-33	0.00	16,694.00	16,694.00	1.06E-06	8.0E-04	1.32E-03	0.13%
S-35	0.00	12.00	12.00	7.59E-10	1.0E-03	7.59E-07	0.00%
I-125	0.00	471.00	471.00	3.04E-08	2.0E-05	1.52E-03	0.15%

SUM of M.A.C. fractions:
(must not exceed unity)

3.08E-03

(#DIV/0! = "0" no calculations performed due to no discharge of RAM.)

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2001 through December 31, 2001.

TOTAL H-3:	80,133.00 uCi	1.60 % OF YEAR'S LIMIT
TOTAL C-14:	5,404.00 uCi	0.54 % OF YEAR'S LIMIT
ALL OTHERS:	22,328.00 uCi	2.23 % OF YEAR'S LIMIT

Evaluated By: PETER D. BABIN

Signature: [Signature]

Date: 4-4-02

SEWER_BRC_2001.XLS

2001

Bids - B24, B31,
B36

Building	Room	Date	3-H	✓ 14-C	✓ 32-P	33-P	35-S	125-I
B-24	RB-010B	1/3/2001	0	0	0	1.34	0	0
B-24	RB-010B	5/9/2001	1886	51	0	0	0	0
B-24	RB-010B	8/16/2001	27632	3714	0	0	0	0
B-24	RB-010B	8/17/01	0	0	0	0	1	1
B-24	RB-010B	10/30/2001	0	0	0	0	0	2
B-24	RB-010B	11/7/2001	5503.63	1598.36	0	0	0	0
B-24	RB-210	3/14/2001	31	0	0	0	0	0
B-24	RB-210	3/15/2001	25	0	0	0	0	0
B-24	RB-210	3/19/2001	12	0	0	0	0	36
B-24	RB-210	3/20/2001	45	0	0	0	0	2
B-24	RB-210	3/21/2001	10	0	0	0	0	0
B-24	RB-210	3/22/2001	50	0	0	0	0	25
B-24	RB-210	3/26/2001	5	0	0	0	0	0
B-24	RB-210	3/27/2001	0	0	0	0	0	5
B-24	RB-210	3/28/2001	20	0	0	0	0	10
B-24	RB-210	3/29/2001	17	0	0	0	0	25
B-24	RB-210	4/3/2001	0	0	0	0	0	25
B-24	RB-210	4/5/2001	0	0	0	0	0	10
B-24	RB-210	4/6/2001	0	0	0	0	19	200
B-24	RB-210	4/9/2001	0	0	0	0	0	10
B-24	RB-210	4/18/2001	0	0	0	0	0	60
B-24	RB-210	4/23/2001	2	0	0	0	0	0
B-24	RB-210	4/25/2001	0	0	0	0	0	50
B-24	RB-210	4/30/2001	10	0	0	0	0	0
B-24	RB-210	5/7/2001	0	0	0	0	0	60
B-24	RB-210	5/8/2001	0	0	0	0	0	10
B-24	RB-210	5/9/2001	0	0	0	0	0	10
B-24	RB-210	5/16/2001	0	0	0	0	0	10
B-24	RB-210	5/21/2001	0	0	0	0	0	100
B-24	RB-210	5/22/2001	10	0	0	0	0	50
B-24	RB-210	5/24/2001	0	0	0	0	0	50
B-24	RB-210	5/29/2001	0	0	0	0	0	50
B-24	RB-210	5/30/2001	0	0	0	0	0	10
B-24	RB-210	5/31/2001	0	0	0	0	0	75
B-24	RB-210	6/1/2001	0	0	0	0	0	75
B-24	RB-210	6/5/2001	0	0	0	0	0	30
B-24	RB-210	6/6/2001	0	0	0	0	0	33
B-24	RB-210	6/7/2001	0	0	0	0	0	75
B-24	RB-210	6/11/2001	0	0	0	0	0	30
B-24	RB-210	6/12/2001	0	0	0	0	0	28
B-24	RB-210	6/14/2001	0	0	0	0	0	28
B-24	RB-210	6/15/2001	0	0	0	0	0	28
B-24	RB-210	6/19/2001	0	0	0	0	0	28
B-24	RB-210	6/20/2001	27	0	0	0	0	50
B-24	RB-210	6/21/2001	0	0	0	0	0	28
B-24	RB-210	6/25/2001	0	0	0	0	0	28
B-24	RB-210	6/26/2001	0	0	0	0	0	28
B-24	RB-210	6/27/2001	0	0	0	0	0	28
B-24	RB-210	6/29/2001	0	0	0	0	0	28
B-24	RB-210	7/2/2001	2	0	0	0	0	0

(Microcuries)

SEWER_BRC_2001.XLS

B-24	RB-210	7/5/2001	0	0	0	0	0	28
B-24	RB-210	7/6/2001	0	0	0	0	0	28
B-24	RB-210	7/10/2001	0	0	0	0	0	2
B-24	RB-210	7/12/2001	0	0	0	0	0	30
B-24	RB-210	7/16/2001	0	0	0	0	0	5
B-24	RB-210	7/17/2001	0	0	0	0	0	55
B-24	RB-210	7/18/2001	0	0	0	0	0	15
B-24	RB-210	7/19/2001	0	0	0	0	0	1
B-24	RB-210	7/20/2001	0	0	0	0	0	2
B-24	RB-210	7/23/2001	0	0	0	0	0	35
B-24	RB-210	7/25/2001	10	0	0	0	0	35
B-24	RB-210	7/26/2001	0	0	0	0	0	5
B-24	RB-210	7/27/2001	0	0	0	0	0	40
B-24	RB-210	7/30/2001	20	0	0	0	0	5
B-24	RB-210	7/31/2001	0	0	0	0	0	5
B-24	RB-210	7/31/2001	0	0	0	0	0	150
B-24	RB-210	8/1/2001	0	0	0	0	0	30
B-24	RB-210	8/2/2001	5	0	0	0	0	0
B-24	RB-210	8/6/2001	0	0	0	0	0	40
B-24	RB-210	8/7/2001	0	0	0	0	0	51
B-24	RB-210	8/8/2001	0	0	0	0	0	21
B-24	RB-210	8/9/2001	0	0	0	0	0	21
B-24	RB-210	8/13/2001	0	0	0	0	0	45
B-24	RB-210	8/14/2001	10	0	0	0	0	30
B-24	RB-210	8/15/2001	20	0	0	0	0	48
B-24	RB-210	8/16/2001	0	0	0	0	0	25
B-24	RB-210	8/17/2001	0	0	0	0	0	23
B-24	RB-210	8/20/2001	0	0	0	0	0	5
B-24	RB-210	8/21/2001	20	0	0	0	0	35
B-24	RB-210	8/22/2001	15	0	0	0	0	15
B-24	RB-210	8/23/2001	10	0	0	0	0	45
B-24	RB-210	8/24/2001	0	0	0	0	0	20
B-24	RB-210	8/27/2001	20	0	0	0	0	0
B-24	RB-210	8/28/2001	0	0	0	0	0	10
B-24	RB-210	8/30/2001	25	0	0	0	0	25
B-24	RB-210	9/4/2001	35	0	0	0	0	20
B-24	RB-210	9/5/2001	20	0	0	0	0	23
B-24	RB-210	9/10/2001	0	0	0	0	0	140
B-24	RB-210	9/11/2001	0	0	0	0	0	35
B-24	RB-210	9/12/2001	0	0	0	0	0	15
B-24	RB-210	9/13/2001	0	0	0	0	0	15
B-24	RB-210	9/17/2001	0	0	0	0	0	33
B-24	RB-210	9/19/2001	0	0	0	0	0	15
B-24	RB-210	9/21/2001	20	0	0	0	0	0
B-24	RB-210	9/24/2001	0	0	0	0	0	20
B-24	RB-210	9/25/2001	20	0	0	0	0	0
B-24	RB-210	9/27/2001	0	0	0	0	0	0
B-24	RB-210	10/10/2001	0	0	0	0	0	100
B-24	RB-210	10/16/2001	182	0	0	0	0	0
B-24	RB-210	10/17/2001	0	0	0	0	0	39
B-24	RB-210	10/18/2001	0	0	0	0	0	35
B-24	RB-210	10/19/2001	0	0	0	0	0	40

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B-24	RB-210	10/20/2001	0	0	0	0	0	50
B-24	RB-210	10/22/2001	57	0	0	0	0	10
B-24	RB-210	10/23/2001	0	0	0	0	0	25
B-24	RB-210	10/25/2001	5	0	0	0	0	50
B-24	RB-210	10/26/2001	23	0	0	0	0	25
B-24	RB-210	10/29/2001	23	0	0	0	0	0
B-24	RB-210	10/30/2001	0	0	0	0	0	25
B-24	RB-210	11/1/2001	0	0	0	0	0	25
B-24	RB-210	11/2/2001	56	0	0	0	0	40
B-24	RB-210	11/5/2001	56	0	0	0	0	30
B-24	RB-210	11/8/2001	24	0	0	0	0	65
B-24	RB-210	11/12/2001	0	0	0	0	0	5
B-24	RB-210	11/13/2001	0	0	0	0	0	24
B-24	RB-210	11/14/2001	22	0	0	0	0	0
B-24	RB-210	11/15/2001	35	0	0	0	0	0
B-24	RB-210	11/16/2001	10	0	0	0	0	5
B-24	RB-210	11/19/2001	10	0	0	0	0	30
B-24	RB-210	11/20/2001	35	0	0	0	0	25
B-24	RB-210	11/21/2001	10	0	0	0	0	0
B-24	RB-210	11/26/2001	22	0	0	0	0	0
B-24	RB-210	11/27/2001	25	0	0	0	0	70
B-24	RB-210	11/28/2001	30	0	0	0	0	35
B-24	RB-210	11/29/2001	8	0	0	0	0	0
B-24	RB-210	11/30/2001	15	0	0	0	0	0
B-24	RB-210	12/3/2001	10	0	0	0	0	0
B-24	RB-210	12/4/2001	27	0	0	0	0	0
B-24	RB-210	12/5/2001	26	0	0	0	0	0
B-24	RB-210	12/6/2001	20	0	0	0	0	0
B-24	RB-210	12/7/2001	16	0	0	0	0	0
B-24	RB-210	12/10/2001	26	0	0	0	0	0
B-24	RB-210	12/11/2001	8	0	0	0	0	0
B-24	RB-210	12/13/2001	34	0	0	0	0	5
B-24	RB-210	12/17/2001	15	0	0	0	0	0
B-24	RB-210	12/18/2001	0	0	0	0	0	25
B-24	RB-210	12/20/2001	25	0	0	0	0	0
B-24	RB-210	12/21/2001	20	0	0	0	0	50
B-24	RB-210	12/26/2001	8	0	0	0	0	0
B-24	RB-210	12/27/2001	18	0	0	0	0	0
B-24	RB-211	1/11/2001	0	0	0	10	0	0
B-24	RB-211	2/12/2001	0	0	0	10	0	0
B-24	RB-211	4/27/2001	0	20	0	0	0	0
B-24	RB-211	5/16/2001	0	0	0	1	0	0
B-24	RB-211	7/18/2001	0	0	0	1	0	0
B-24	RB-211	8/29/2001	0	0	0	5	0	0
B-24	RB-211	9/20/2001	0	0	0	5	0	0
B-24	RB-211	10/15/2001	0	0	0	5	0	0
B-24	RB-212	1/2/2001	25	0	0	0	0	0
B-24	RB-212	1/3/2001	0	0	0	0	0	25
B-24	RB-212	1/4/2001	69	0	0	0	0	0
B-24	RB-212	1/5/2001	0	0	0	0	0	25
B-24	RB-212	1/8/2001	38	0	0	0	0	0
B-24	RB-212	1/10/2001	0	0	0	0	0	10

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B-24	RB-212	1/11/2001	0	0	0	0	0	10
B-24	RB-212	1/12/2001	26	0	0	0	0	0
B-24	RB-212	2/15/2001	5	0	0	0	0	5
B-24	RB-212	2/16/2001	53	0	0	0	0	0
B-24	RB-212	2/19/2001	0	0	0	0	0	5
B-24	RB-212	2/23/2001	43	0	0	0	0	0
B-24	RB-212	2/27/2001	48	0	0	0	0	0
B-24	RB-212	2/28/2001	0	0	0	0	0	22
B-24	RB-212	3/1/2001	0	0	0	0	0	5
B-24	RB-212	3/2/2001	30	0	0	0	0	0
B-24	RB-212	3/7/2001	13	0	0	0	0	0
B-24	RB-212	3/8/2001	0	0	0	0	0	13
B-24	RB-212	3/9/2001	39	0	0	0	0	80
B-24	RB-212	3/12/2001	0	0	0	0	0	30
B-24	RB-212	3/13/2001	100	0	0	0	0	50
B-24	RB-212	3/26/2001	43	0	0	0	0	0
B-24	RB-212	4/3/2001	19	0	0	0	0	0
B-24	RB-212	4/6/2001	15	0	0	0	0	0
B-24	RB-212	4/11/2001	19	0	0	0	0	0
B-24	RB-212	4/12/2001	5	0	0	0	0	0
B-24	RB-212	4/18/2001	20	0	0	0	0	0
B-24	RB-212	4/19/2001	10	0	0	0	0	0
B-24	RB-212	4/25/2001	10	0	0	0	0	0
B-24	RB-212	5/4/2001	25	0	0	0	0	0
B-24	RB-212	5/14/2001	36	0	0	0	0	25
B-24	RB-212	5/21/2001	18	0	0	0	0	0
B-24	RB-212	5/23/2001	29	0	0	0	0	0
B-24	RB-212	5/31/2001	25	0	0	0	0	0
B-24	RB-212	6/5/2001	0	0	0	0	0	40
B-24	RB-212	6/7/2001	16	0	0	0	0	0
B-24	RB-212	6/12/2001	21	0	0	0	0	0
B-24	RB-212	6/14/2001	0	0	0	0	0	30
B-24	RB-212	6/15/2001	0	0	0	0	0	30
B-24	RB-212	6/18/2001	19	0	0	0	0	0
B-24	RB-212	6/19/2001	0	0	0	0	0	5
B-24	RB-212	6/27/2001	18	0	0	0	0	0
B-24	RB-212	6/29/2001	2	0	0	0	0	0
B-24	RB-212	7/2/2001	18	0	0	0	0	0
B-24	RB-212	7/16/2001	41	0	0	0	0	0
B-24	RB-212	7/27/2001	17	0	0	0	0	0
B-24	RB-212	7/31/2001	50	0	0	0	0	50
B-24	RB-212	8/7/2001	50	0	0	0	0	50
B-24	RB-212	8/16/2001	18	0	0	0	0	0
B-24	RB-212	8/30/2001	30	0	0	0	0	0
B-24	RB-212	9/5/2001	20	0	0	0	0	0
B-24	RB-212	9/13/2001	20	0	0	0	0	0
B-24	RB-212	9/26/2001	2	0	0	0	0	0
B-24	RB-212	9/27/2001	282	0	0	0	0	0
B-24	RB-212	10/8/2001	0	0	0	0	0	25
B-24	RB-212	10/10/2001	0	0	0	0	0	10
B-24	RB-212	10/12/2001	0	0	0	0	0	75
B-24	RB-212	10/19/2001	46	0	0	0	0	0

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B-24	RB-212	10/23/2001	189	0	0	0	0	0
B-24	RB-212	10/31/2001	5	0	0	0	0	0
B-24	RB-212	11/5/2001	18	0	0	0	0	0
B-24	RB-212	11/8/2001	20	0	0	0	0	0
B-24	RB-212	11/12/2001	0	0	0	0	0	50
B-24	RB-212	11/26/2001	0	0	0	0	0	50
B-24	RB-212	12/4/2001	0	0	0	0	0	50
B-24	RB-212C	1/15/2001	25	0	0	0	0	25
B-24	RB-212C	1/16/2001	0	0	0	0	0	5
B-24	RB-212C	1/17/2001	52	0	0	0	0	0
B-24	RB-212C	1/22/2001	0	0	0	0	0	5
B-24	RB-212C	1/24/2001	0	0	0	0	0	10
B-24	RB-212C	1/25/2001	34	0	0	0	0	15
B-24	RB-212C	1/30/2001	32	0	0	0	0	5
B-24	RB-212C	2/1/2001	30	0	0	0	0	5
B-24	RB-212C	2/6/2001	0	0	0	0	0	25
B-24	RB-212C	2/7/2001	24	0	0	0	0	0
B-24	RB-212C	2/9/2001	28	0	0	0	0	0
B-24	RB-212C	2/13/2001	0	0	0	0	0	50
B-24	RB-212C	2/14/2001	0	0	0	0	0	68
B-24	RB-212C	3/1/2001	0	0	0	0	0	25
B-24	RB-214	3/7/2001	0	0	0	0	0	100
B-24	RB-214	3/13/2001	0	0	0	0	0	100
B-24	RB-214	4/5/2001	5	0	0	0	0	0
B-24	RB-214	4/9/2001	1	1	0	0	0	0
B-24	RB-214	4/23/2001	5	0	0	0	0	0
B-24	RB-214	4/26/2001	5	0	0	0	0	0
B-24	RB-214	5/8/2001	1	0	0	0	0	0
B-24	RB-214	5/16/2001	0	1	0	0	0	0
B-24	RB-214	5/25/2001	1	0	0	0	0	0
B-24	RB-214	5/30/2001	1	0	0	0	0	0
B-24	RB-214	5/31/2001	1	0	0	0	0	0
B-24	RB-214	6/1/2001	0	0	0	0	0	150
B-24	RB-214	6/20/2001	0	0	0	0	0	10
B-24	RB-214	8/13/2001	0	12	0	0	0	25
B-24	RB-214	10/12/2001	3	0	0	0	0	0
B-24	RB-214C	1/3/2001	45	0	0	0	0	0
B-24	RB-214C	1/9/2001	5	0	0	0	0	0
B-24	RB-214C	1/12/2001	5	0	0	0	0	0
B-24	RB-214C	1/16/2001	5	0	0	0	0	5
B-24	RB-214C	1/18/2001	8	0	0	0	0	0
B-24	RB-214C	1/25/2001	20	0	0	0	0	5
B-24	RB-214C	1/29/2001	25	0	0	0	0	0
B-24	RB-221	3/13/2001	0	0	0	5	0	0
B-24	RB-221	3/28/2001	0	0	0	0	0	60
B-24	RB-221	5/1/2001	0	0	0	0	0	75
B-24	RB-221	6/11/2001	0	0	0	0	0	75
B-24	RB-221	7/26/2001	0	0	0	0	0	75
B-24	RB-221	10/8/2001	0	0	0	75	0	0
B-24	RB-221	10/12/2001	0	0	0	6.75	0	0
B-24	RB-221	10/16/2001	0	0	0	0	0	10
B-24	RB-221	11/2/2001	0	0	0	0	0	50

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B-24	RB-221	12/15/2001	0	0	0	0	0	50
B-24	RB-222	5/15/2001	5	0	0	0	0	0
B-24	RB-222	11/8/2001	10	0	0	0	0	0

			3-H	14-C	32-P	33-P	35-S	125-I
B-24 TOTAL			38480	5397	0	125	20	5308

B-31	RA-210	1/30/2001	0	0	0	0	0	7
B-31	RA-210	2/27/2001	0	0	0	0	1	0
B-31	RA-210	6/4/2001	1	0	0	0	0	0
B-31	RA-210	6/11/2001	1	1	0	0	0	0
B-31	RA-210	6/12/2001	1	0	0	0	0	0
B-31	RA-210	6/13/2001	1	0	0	0	0	0
B-31	RA-210	6/14/2001	1	0	0	0	0	0
B-31	RA-210	6/21/2001	1	1	0	0	0	0
B-31	RA-210	7/20/2001	100	0	0	0	0	0
B-31	RA-210	8/24/2001	2	0	0	0	0	0
B-31	RA-210	9/19/2001	5	0	0	0	0	0
B-31	RA-212	1/3/2001	0	0	0	0.6	0	0
B-31	RA-212	1/9/2001	0	0	0	1	0	0
B-31	RA-212	1/25/2001	0	0	0	1	0	0
B-31	RA-212	1/31/2001	0	0	0	1	0	0
B-31	RA-212	2/5/2001	0	0	0	1	0	0
B-31	RA-212	2/8/2001	0	0	0	10	0	0
B-31	RA-212	2/12/2001	0	0	0	1	0	0
B-31	RA-212	2/14/2001	0	0	0	0.5	0	0
B-31	RA-212	2/15/2001	0	0	0	1	0	0
B-31	RA-212	2/19/2001	0	0	0	5	0	0
B-31	RA-212	2/21/2001	0	0	0	1	0	0
B-31	RA-212	3/5/2001	0	0	0	1	0	0
B-31	RA-212	3/7/2001	0	0	0	2	0	0
B-31	RA-212	3/8/2001	0	0	0	5	0	0
B-31	RA-212	3/12/2001	0	0	0	1	0	0
B-31	RA-212	3/13/2001	0	0	0	2	0	0
B-31	RA-212	3/15/2001	0	0	0	4	0	0
B-31	RA-212	3/19/2001	0	0	0	6	0	0
B-31	RA-212	3/30/2001	0	0	0	1	0	0
B-31	RA-212	4/2/2001	0	0	0	1	0	0
B-31	RA-212	4/6/2001	0	0	0	2	0	0
B-31	RA-212	4/10/2001	0	0	0	1	0	0
B-31	RA-212	4/11/2001	0	0	0	1	0	0
B-31	RA-212	4/16/2001	0	0	0	1	0	0
B-31	RA-212	4/18/2001	0	0	0	1	0	0
B-31	RA-212	4/20/2001	0	0	0	2	0	0
B-31	RA-212	4/23/2001	0	0	0	2	0	0
B-31	RA-212	4/25/2001	0	0	0	5	0	0
B-31	RA-212	4/27/2001	0	0	0	2	0	0
B-31	RA-212	5/4/2001	0	0	0	1	0	0
B-31	RA-212	5/8/2001	0	0	0	1	0	0
B-31	RA-212	5/10/2001	0	0	0	1	0	0
B-31	RA-212	5/16/2001	0	0	0	2	0	0
B-31	RA-212	5/18/2001	0	0	0	1	0	0

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B-31	RA-212	5/22/2001	0	0	0	0.4	0	0
B-31	RA-212	5/23/2001	0	0	0	1	0	0
B-31	RA-212	5/24/2001	0	0	0	2	0	0
B-31	RA-212	5/25/2001	0	0	0	7	0	0
B-31	RA-212	5/27/2001	0	0	0	1	0	0
B-31	RA-212	5/31/2001	0	0	0	2	0	0
B-31	RA-212	6/5/2001	2	0	0	2	0	0
B-31	RA-212	6/6/2001	0	0	0	1	0	0
B-31	RA-212	6/7/2001	2	0	0	0	0	0
B-31	RA-212	6/12/2001	0	0	0	1	0	0
B-31	RA-212	6/13/2001	0	0	0	1	0	0
B-31	RA-212	6/18/2001	0	0	0	2	0	0
B-31	RA-212	6/19/2001	2	0	0	1	0	0
B-31	RA-212	6/20/2001	2	0	0	0	0	0
B-31	RA-212	6/21/2001	0	0	0	2	0	0
B-31	RA-212	6/25/2001	0	0	0	1	0	0
B-31	RA-212	6/26/2001	0	0	0	0.1	0	0
B-31	RA-212	6/29/2001	0	0	0	1	0	0
B-31	RA-212	7/2/2001	0	0	0	2	0	0
B-31	RA-212	7/3/2001	0	0	0	0.2	0	0
B-31	RA-212	7/4/2001	0	0	0	0.1	0	0
B-31	RA-212	7/5/2001	0	0	0	1	0	0
B-31	RA-212	7/6/2001	0	0	0	1	0	0
B-31	RA-212	7/9/2001	0	0	0	1	0	0
B-31	RA-212	7/12/2001	0	0	0	1	0	0
B-31	RA-212	7/13/2001	0	0	0	1	0	0
B-31	RA-212	7/18/2001	0	0	0	1.5	0	0
B-31	RA-212	7/23/2001	0	0	0	2	0	0
B-31	RA-212	7/25/2001	16	0	0	3	0	0
B-31	RA-212	7/31/2001	0	0	0	1	0	0
B-31	RA-212	8/9/2001	0	0	0	1	0	0
B-31	RA-212	8/13/2001	0	0	0	5	0	0
B-31	RA-212	8/15/2001	75	0	0	0	0	0
B-31	RA-212	8/16/2001	3	0	0	0	0	0
B-31	RA-212	8/17/2001	0	0	0	2	0	0
B-31	RA-212	8/20/2001	0	0	0	3	0	0
B-31	RA-212	8/22/2001	0	0	0	2	0	0
B-31	RA-212	8/23/2001	50	0	0	0	0	0
B-31	RA-212	8/27/2001	0	0	0	2	0	0
B-31	RA-212	9/5/2001	0	0	0	5	0	0
B-31	RA-212	9/17/2001	0	0	0	5	0	0
B-31	RA-212	9/27/2001	0	0	0	1	0	0
B-31	RA-212	10/4/2001	20	0	0	0	0	0
B-31	RA-212	10/9/2001	0	0	0	1	0	0
B-31	RA-212	10/15/2001	0	0	0	2	0	0
B-31	RA-212	10/18/2001	0	0	0	1	0	0
B-31	RA-212	10/19/2001	0	0	0	0.5	0	0
B-31	RA-212	10/26/2001	0	0	0	1	0	0
B-31	RA-212	10/29/2001	0	0	0	2	0	0
B-31	RA-212	11/5/2001	0	0	0	1	0	0
B-31	RA-212	11/28/2001	0	0	0	1.5	0	0
B-31	RA-212	11/30/2001	0	0	0	0.1	0	0

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B-31	RA-212	12/4/2001	0	0	0	1	0	0
B-31	RA-212	12/14/2001	0	0	0	2	0	0
B-31	RA-217	1/8/2001	1.5	0	0	0	0	0
B-31	RA-217	1/10/2001	3	0	0	0	0	0
B-31	RA-217	1/25/2001	3	0	0	0	0	0
B-31	RA-217	2/1/2001	3	0	0	0	0	0
B-31	RA-217	2/7/2001	3	0	0	0	0	0
B-31	RA-217	2/14/2001	3	0	0	0	0	0
B-31	RA-217	2/21/2001	5	0	0	0	0	0
B-31	RA-217	2/28/2001	1	0	0	0	0	0
B-31	RA-217	3/8/2001	1.6	0	0	0	0	0
B-31	RA-217	3/15/2001	1.6	0	0	0	0	0
B-31	RA-217	3/21/2001	3	0	0	0	0	0
B-31	RA-217	3/28/2001	3	0	0	0	0	0
B-31	RA-217	3/30/2001	3	0	0	0	0	0
B-31	RA-217	4/3/2001	2	0	0	0	0	0
B-31	RA-217	4/4/2001	3	0	0	0	0	0
B-31	RA-217	4/11/2001	3	0	0	0	0	0
B-31	RA-217	4/17/2001	2	0	0	0	0	0
B-31	RA-217	4/18/2001	5	0	0	0	0	0
B-31	RA-217	4/26/2001	5	0	0	0	0	0
B-31	RA-217	5/8/2001	4	0	0	0	0	0
B-31	RA-217	5/10/2001	2	0	0	0	0	0
B-31	RA-269	9/25/2001	5	0	0	0	0	0
B-31	RA-269	10/24/2001	1	0	0	0	0	0
B-31	RA-313	4/11/2001	20	0	0	0	0	0
B-31	RA-313	4/16/2001	5	0	0	0	0	0
B-31	RA-313	4/17/2001	5	0	0	0	0	0
B-31	RA-313	4/21/2001	5	0	0	0	0	0
B-31	RA-313	4/30/2001	5	0	0	0	0	0
B-31	RA-313	5/10/2001	10	0	0	0	0	0
B-31	RA-313	5/13/2001	10	0	0	0	0	0
B-31	RA-313	5/14/2001	5	0	0	0	0	0
B-31	RA-313	5/25/2001	5	0	0	0	0	0
B-31	RA-313	5/28/2001	5	0	0	0	0	0
B-31	RA-323	1/15/2001	0	0	0	0	1	0
B-31	RA-323	3/2/2001	0	0	0	0	1	0
B-31	RA-323	5/7/2001	0	0	0	0	3	0
B-31	RA-323	7/2/2001	0	0	0	0	1	0
B-31	RA-323	8/1/2001	0	0	0	0	1	0
B-31	RA-323	8/10/2001	0	0	0	0	0.5	0
B-31	RA-323	8/28/2001	0	0	0	0	1	0
B-31	RA-323	10/10/2001	0	0	0	0	1	0

	3-H	14-C	32-P	33-P	35-S	125-I
B-31 TOTAL	427	2	0	149	11	7

B-36 SEWER RELEASE - 2001

B-36

3-H	14-C	32-P	33-P	35-S	125-I	ISOTOPE
38194	2	0	16694	12	471	uCi

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I
B-36	SINK	1/3/2001	0	0	0	20	0	0
B-36	SINK	1/5/2001	0.8	0	0	0	0	0
B-36	SINK	1/8/2001	1.8	0	0	0	0	0
B-36	SINK	1/9/2001	20.5	0	0	80	0	0
B-36	SINK	1/10/2001	34.3	0	0	25	0	0
B-36	SINK	1/11/2001	61	0	0	980	0	0
B-36	SINK	1/11/2001	0	0	0	2.9	0	0
B-36	SINK	1/15/2001	30.6	0	0	1	0	0
B-36	SINK	1/15/2001	27	0	0	0	0	0
B-36	SINK	1/18/2001	28	0	0	100	0	0
B-36	SINK	1/19/2001	41	0	0	180	0	0
B-36	SINK	1/22/2001	43.5	0	0	0	0	0
B-36	SINK	1/24/2001	51	0	0	80	0	0
B-36	SINK	1/25/2001	51	0	0	0	0	0
B-36	SINK	1/26/2001	46	0	0	10	0	0
B-36	SINK	1/29/2001	47	0	0	0	0	0
B-36	SINK	1/30/2001	27	0	0	0	0	0
B-36	SINK	1/31/2001	0	0	0	40	0	0
B-36	SINK	2/1/2001	0	0	0	40	0	0
B-36	SINK	2/2/2001	0	0	0	40	0	0
B-36	SINK	2/5/2001	14	0	0	0	0	0
B-36	SINK	2/6/2001	0	0	0	40	0	0
B-36	SINK	2/7/2001	0	0	0	40	0	0
B-36	SINK	2/8/2001	33	0	0	0	0	0
B-36	SINK	2/9/2001	8	0	0	0	0	0
B-36	SINK	2/12/2001	47	0	0	0	0	0
B-36	SINK	2/15/2001	46	0	0	0	0	0
B-36	SINK	2/20/2001	27	0	0	0	0	0
B-36	SINK	2/22/2001	0	0	0	20	0	0
B-36	SINK	2/23/2001	0	0	0	0	0	5.2
B-36	SINK	2/27/2001	0	0	0	0	0	30
B-36	SINK	2/28/2001	2	0	0	2	0	0
B-36	SINK	3/1/2001	1.34	0	0	0	0	0
B-36	SINK	3/2/2001	0	0	0	0	0	2.4
B-36	SINK	3/7/2001	34	0	0	40	0	0
B-36	SINK	3/8/2001	0	0	0	200	0	1
B-36	SINK	3/9/2001	34	0	0	0	0	0
B-36	SINK	3/12/2001	60	0	0	0	0	0

B-36	SINK	3/13/2001	20	0	0	0	0	20
B-36	SINK	3/14/2001	27	0	0	40	0	4.4
B-36	SINK	3/15/2001	0	0	0	0	0	25
B-36	SINK	3/16/2001	0	0	0	0	0	1
B-36	SINK	3/19/2001	0	0	0	40	0	1
B-36	SINK	3/20/2001	0	0	0	0	0	15
B-36	SINK	3/21/2001	0	0	0	0	0	6
B-36	SINK	3/22/2001	0	0	0	40	0	0
B-36	SINK	3/23/2001	2	0	0	8	0	23
B-36	SINK	3/26/2001	0	0	0	140	0	0
B-36	SINK	3/27/2001	0	0	0	100	0	100
B-36	SINK	3/28/2001	80	0	0	20	0	0
B-36	SINK	3/29/2001	13.4	0	0	0	0	0
B-36	SINK	3/30/2001	19.5	0	0	0	0	0
B-36	SINK	4/2/2001	350.5	0	0	0	0	0
B-36	SINK	4/3/2001	1410	0	0	0	0	0
B-36	SINK	4/5/2001	15.8	0	0	0	0	0.5
B-36	SINK	4/6/2001	35	0	0	0	0	0
B-36	SINK	4/10/2001	500	0	0	40	0	0
B-36	SINK	4/11/2001	32	0	0	0	0	0
B-36	SINK	4/12/2001	435	0	0	0	0	0
B-36	SINK	4/16/2001	0	0	0	40	0	0
B-36	SINK	4/17/2001	92	0	0	0	0	0
B-36	SINK	4/18/2001	3	0	0	50	0	0
B-36	SINK	4/19/2001	390	0	0	10	0	0
B-36	SINK	4/20/2001	1	0	0	0	0	0
B-36	SINK	4/25/2001	0	0	0	5	0	0
B-36	SINK	4/26/2001	2300	0	0	0	0	0
B-36	SINK	4/27/2001	900	0	0	0	0	0
B-36	SINK	4/30/2001	0	0	0	62.4	0	0
B-36	SINK	5/1/2001	1300	0	0	0	0	0
B-36	SINK	5/7/2001	0	0	0	39	0	0.5
B-36	SINK	5/8/2001	416	0	0	2	0	0
B-36	SINK	5/9/2001	416	0	0	5	0	50
B-36	SINK	5/10/2001	6	0	0	40	0	0
B-36	SINK	5/11/2001	200	0	0	0	0	0
B-36	SINK	5/14/2001	0	0	0	0	0	40.5
B-36	SINK	5/15/2001	48	0	0	0	0	20
B-36	SINK	5/16/2001	155	0	0	0	0	0
B-36	SINK	5/17/2001	48.3	0	0	0	0	30
B-36	SINK	5/18/2001	62.5	0	0	10	0	0
B-36	SINK	5/21/2001	0	0	0	5	0	0.7
B-36	SINK	5/22/2001	1200	0	0	0	0	0
B-36	SINK	5/22/2001	0	0	0	350	0	0
B-36	SINK	5/23/2001	0	0	0	250	0	34
B-36	SINK	5/24/2001	616	0	0	0	0	0
B-36	SINK	5/25/2001	0	0	0	10	0	0
B-36	SINK	5/29/2001	970	0	0	0	0	0
B-36	SINK	5/30/2001	567	0	0	25	0	5
B-36	SINK	5/31/2001	0	0	0	21	0	0
B-36	SINK	6/1/2001	30	0	0	93	0	0
B-36	SINK	6/4/2001	0	0	0	15	0	0

B-36	SINK	6/6/2001	0	0	0	10	0	0
B-36	SINK	6/6/2001	30	0	0	100	0	0
B-36	SINK	6/7/2001	0	0	0	16	0	0
B-36	SINK	6/8/2001	26	0	0	440	0	0
B-36	SINK	6/11/2001	0	0	0	506	0	0
B-36	SINK	6/12/2001	23.5	0	0	0	0	0
B-36	SINK	6/13/2001	150	0	0	56	0	0
B-36	SINK	6/14/2001	93	0	0	250	0	0
B-36	SINK	6/15/2001	40	0	0	0	0	0
B-36	SINK	6/19/2001	0	0	0	351	0	0
B-36	SINK	6/20/2001	0	0	0	86	0	0
B-36	SINK	6/21/2001	0	0	0	447	0	0
B-36	SINK	6/22/2001	300	0	0	101.2	0	0
B-36	SINK	6/25/2001	50	0	0	390	0	0
B-36	SINK	6/26/2001	50	0	0	200	0	0
B-36	SINK	6/27/2001	0	0	0	781	0	0
B-36	SINK	6/28/2001	0	0	0	118	0	0
B-36	SINK	6/29/2001	146.3	0	0	1000	0	0
B-36	SINK	7/2/2001	0	0	0	200	0	0
B-36	SINK	7/3/2001	5	0	0	50	0	0
B-36	SINK	7/5/2001	42.7	0	0	0	0	0
B-36	SINK	7/6/2001	33	0	0	0	0	0
B-36	SINK	7/9/2001	0	0	0	200	0	0
B-36	SINK	7/10/2001	218	0	0	0	0	0
B-36	SINK	7/11/2001	0	0	0	564	0	0
B-36	SINK	7/12/2001	0	0	0	656	0	0
B-36	SINK	7/13/2001	0	0	0	308	0	0
B-36	SINK	7/16/2001	5	0	0	0	0	0
B-36	SINK	7/17/2001	22.4	0	0	200	0	50
B-36	SINK	7/18/2001	10	0	0	200	0	0
B-36	SINK	7/19/2001	0.025	0	0	0	0	0
B-36	SINK	7/20/2001	160	0	0	218	0	0
B-36	SINK	7/23/2001	20	0	0	0	0	0
B-36	SINK	7/24/2001	50	0	0	20	0	0
B-36	SINK	7/25/2001	0	0	0	400	0	0
B-36	SINK	7/26/2001	0	0	0	400	0	0
B-36	SINK	7/27/2001	0	0	0	200	0	0
B-36	SINK	7/30/2001	1	0	0	401	0	1
B-36	SINK	8/1/2001	84	0	0	0	0	0
B-36	SINK	8/3/2001	20	0	0	0	0	0
B-36	SINK	8/10/2001	0	0	0	300	0	0
B-36	SINK	8/15/2001	0.5	0	0	0	0	0
B-36	SINK	8/16/2001	15	0	0	0	0	0
B-36	SINK	8/23/2001	120	0	0	0	0	0
B-36	SINK	8/28/2001	0.5	0	0	0	0	0
B-36	SINK	8/29/2001	0.5	0	0	0	0	0
B-36	SINK	9/4/2001	27	0	0	0	0	0
B-36	SINK	9/5/2001	60.2	0	0	750	0	0
B-36	SINK	9/7/2001	140	0	0	0	0	0
B-36	SINK	9/11/2001	70	0	0	0	0	0
B-36	SINK	9/12/2001	260	0	0	5.6	0	0
B-36	SINK	9/13/2001	440	0	0	0	0	0

B-36	SINK	9/14/2001	450.5	0	0	5.6	0	0
B-36	SINK	9/18/2001	300	0	0	0	0	0
B-36	SINK	9/19/2001	600	0	0	0	10	0
B-36	SINK	9/20/2001	100	0	0	0	0	0
B-36	SINK	9/21/2001	155	0	0	0	0	4.7
B-36	SINK	9/25/2001	300	0	0	0	0	0
B-36	SINK	9/26/2001	300	0	0	0	0	0
B-36	SINK	9/27/2001	402	2	0	0	2	0
B-36	SINK	9/28/2001	410	0	0	0	0	0
B-36	SINK	10/1/2001	10	0	0	0	0	0
B-36	SINK	10/2/2001	540	0	0	0	0	0
B-36	SINK	10/3/2001	300	0	0	0	0	0
B-36	SINK	10/4/2001	650	0	0	0	0	0
B-36	SINK	10/5/2001	1200	0	0	20	0	0
B-36	SINK	10/8/2001	400	0	0	0	0	0
B-36	SINK	10/9/2001	300	0	0	0	0	0
B-36	SINK	10/10/2001	200	0	0	30	0	0
B-36	SINK	10/11/2001	150	0	0	1	0	0
B-36	SINK	10/12/2001	30	0	0	0	0	0
B-36	SINK	10/15/2001	101	0	0	0	0	0
B-36	SINK	10/16/2001	0	0	0	2.4	0	0
B-36	SINK	10/17/2001	1	0	0	0	0	0
B-36	SINK	10/18/2001	3	0	0	0	0	0
B-36	SINK	10/22/2001	7.5	0	0	0	0	0
B-36	SINK	10/23/2001	360	0	0	0	0	0
B-36	SINK	10/25/2001	7.5	0	0	1	0	0
B-36	SINK	10/26/2001	144	0	0	0	0	0
B-36	SINK	10/29/2001	6	0	0	0	0	0
B-36	SINK	10/30/2001	144	0	0	0	0	0
B-36	SINK	11/1/2001	15	0	0	0	0	0
B-36	SINK	11/2/2001	260	0	0	0	0	0
B-36	SINK	11/5/2001	23	0	0	0	0	0
B-36	SINK	11/6/2001	283	0	0	0	0	0
B-36	SINK	11/7/2001	283	0	0	0	0	0
B-36	SINK	11/8/2001	260	0	0	0	0	0
B-36	SINK	11/9/2001	0	0	0	123	0	0
B-36	SINK	11/10/2001	6	0	0	0	0	0
B-36	SINK	11/12/2001	260	0	0	0	0	0
B-36	SINK	11/13/2001	23	0	0	2.4	0	0
B-36	SINK	11/14/2001	408	0	0	2.4	0	0
B-36	SINK	11/15/2001	377	0	0	0	0	0
B-36	SINK	11/16/2001	518	0	0	0	0	0
B-36	SINK	11/19/2001	586	0	0	0	0	0
B-36	SINK	11/20/2001	708	0	0	800	0	0
B-36	SINK	11/21/2001	648	0	0	0	0	0
B-36	SINK	11/26/2001	23	0	0	525	0	0
B-36	SINK	11/27/2001	907	0	0	0	0	0
B-36	SINK	11/28/2001	1814	0	0	0	0	0
B-36	SINK	11/29/2001	930	0	0	0	0	0
B-36	SINK	11/30/2001	907	0	0	300	0	0
B-36	SINK	12/3/2001	30	0	0	0	0	0
B-36	SINK	12/4/2001	1287	0	0	355	0	0

B-36	SINK	12/5/2001	32	0	0	256	0	0
B-36	SINK	12/6/2001	937	0	0	0	0	0
B-36	SINK	12/10/2001	165	0	0	0	0	0
B-36	SINK	12/11/2001	937	0	0	361	0	0
B-36	SINK	12/12/2001	190	0	0	0	0	0
B-36	SINK	12/13/2001	1612	0	0	0	0	0
B-36	SINK	12/14/2001	0	0	0	567	0	0
B-36	SINK	12/18/2001	0	0	0	2	0	0
B-36	SINK	12/19/2001	0	0	0	13.6	0	0
B-36	SINK	12/20/2001	0	0	0	0.8	0	0
B-36	SINK	12/28/2001	2	0	0	0	0	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	2000	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings B-31 and B-24

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	592,800.0
Average gal/day:	19,500.0
Average ml/day:	7.38E+07

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	8,128.00	16,628.00	24,756.00	9.19E-07	1.0E-02	9.19E-05	0.00919%
C-14	4,194.00	2,369.00	6,563.00	2.44E-07	3.0E-04	8.12E-04	0.08124%
P-32	0.00	15.00	15.00	5.57E-10	9.0E-05	6.19E-06	0.00062%
P-33	48.50	8,037.50	8,086.00	3.00E-07	8.0E-04	3.75E-04	0.03754%
S-35	0.00	4,078.00	4,078.00	1.51E-07	1.0E-03	1.51E-04	0.01514%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00000%
I-125	4.50	16,642.50	16,647.00	6.18E-07	2.0E-05	3.09E-02	3.09112%

SUM of M.A.C. fractions:
(must not exceed unity)

3.23E-02

3.) Water usage: Building A-16 & B-36

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	655,880.0
Average gal/day:	21,575.0
Average ml/day:	8.17E+07

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	3,292.00	3,292.00	1.10E-07	1.0E-02	1.10E-05	0.00110%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00000%
P-32	0.00	0.00	0.00	0.00E+00	9.0E-05	0.00E+00	0.00000%
P-33	0.00	13,060.00	13,060.00	4.38E-07	8.0E-04	5.48E-04	0.05480%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00000%
I-125	0.00	160.00	160.00	5.94E-09	2.0E-05	2.97E-04	0.02971%

SUM of M.A.C. fractions:
(must not exceed unity)

8.56E-04

(#DIV/0! = "0" no calculations performed due to no discharge of RAM.)

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 2000 through December 31, 2000.

TOTAL H-3:	28,048.00 uCi	0.5610 % OF YEAR'S LIMIT
TOTAL C-14:	6,563.00 uCi	0.6563 % OF YEAR'S LIMIT
ALL OTHERS:	41,886.00 uCi	4.1886 % OF YEAR'S LIMIT

Evaluated By: PETER D. BABIN

Signature: [Handwritten Signature]

Date: 6-27-01

2000 Bldgs B24, B31, B36

Sew2000.xls

(micromonies)

Building	Room	Date	3-H ✓	14-C ✓	32-P	33-P	35-S	125-I
B-24	RB-012B	3/1/00	0	0	0	46	0	0
B-24	RB-012B	7/25/00	240	0	0	0	0	4.5
B-24	RB-012B	7/27/00	0	0	0	2.5	0	0
B-24	RB-012B	8/3/00	5631	2097	0	0	0	0
B-24	RB-012B	8/30/00	2254	2097	0	0	0	0
B-24	RB-012B	9/15/00	3	0	0	0	0	0
B-24	RB-207	7/19/00	0	0	0	0	0	3
B-24	RB-211	2/13/00	0	0	0	0	0	35
B-24	RB-211	2/16/00	0	0	0	0	0	65
B-24	RB-211	2/21/00	0	0	0	0	0	30
B-24	RB-211	2/22/00	0	0	0	0	0	70
B-24	RB-211	3/22/00	0	0	0	0	0	20
B-24	RB-211	3/23/00	0	0	0	0	0	40
B-24	RB-211	9/25/00	0	0	0	20	0	0
B-24	RB-211	9/27/00	0	0	0	2	0	0
B-24	RB-211	10/4/00	0	0	0	1	0	0
B-24	RB-211	10/17/00	0	0	0	1	0	0
B-24	RB-211	10/24/00	0	0	0	1	0	0
B-24	RB-211	11/27/00	0	0	0	1	0	0
B-24	RB-211	11/28/00	0	0	0	1	0	0
B-24	RB-211	12/4/00	0	0	0	1	0	0
B-24	RB-212	1/5/00	0	0	0	0	0	34
B-24	RB-212	1/10/00	0	0	0	0	0	27
B-24	RB-212	1/11/00	0	0	0	0	0	50
B-24	RB-212	1/12/00	0	0	0	0	0	27
B-24	RB-212	1/17/00	0	0	0	0	0	48
B-24	RB-212	1/19/00	5	0	0	0	0	140
B-24	RB-212	1/20/00	5	0	0	0	0	3
B-24	RB-212	1/21/00	0	0	0	0	0	30
B-24	RB-212	1/24/00	0	0	0	0	0	35
B-24	RB-212	1/26/00	2	0	0	0	0	100
B-24	RB-212	1/27/00	0	0	0	0	0	140
B-24	RB-212	1/28/00	5	0	0	0	0	0
B-24	RB-212	2/1/00	0	0	0	0	0	96
B-24	RB-212	2/2/00	0	0	0	0	0	85
B-24	RB-212	2/3/00	5	0	0	0	0	81
B-24	RB-212	2/4/00	0	0	0	0	0	65
B-24	RB-212	2/7/00	0	0	0	0	0	83
B-24	RB-212	2/8/00	0	0	0	0	0	20
B-24	RB-212	2/10/00	2	0	0	0	0	123
B-24	RB-212	2/11/00	2	0	0	0	0	71
B-24	RB-212	2/14/00	35	0	0	0	0	53
B-24	RB-212	2/18/00	0	0	0	0	0	79
B-24	RB-212	2/21/00	0	0	0	0	0	95
B-24	RB-212	2/22/00	9	0	0	0	0	30
B-24	RB-212	2/23/00	0	0	0	0	0	110
B-24	RB-212	2/24/00	0	0	0	0	0	110
B-24	RB-212	2/28/00	0	0	0	0	0	87
B-24	RB-212	2/29/00	1	0	0	0	0	2
B-24	RB-212	3/1/00	3	0	0	0	0	0

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B-24	RB-212	3/2/00	0	0	0	0	0	125
B-24	RB-212	3/3/00	0	0	0	0	0	75
B-24	RB-212	3/6/00	0	0	0	0	0	40
B-24	RB-212	3/7/00	0	0	0	0	0	20
B-24	RB-212	3/8/00	30	0	0	0	0	60
B-24	RB-212	3/9/00	9	0	0	0	0	0
B-24	RB-212	3/13/00	30	0	0	0	0	75
B-24	RB-212	3/14/00	2	0	0	0	0	78
B-24	RB-212	3/15/00	5	0	0	0	0	20
B-24	RB-212	3/16/00	0	0	0	0	0	20
B-24	RB-212	3/17/00	0	0	0	0	0	20
B-24	RB-212	3/20/00	0	0	0	0	0	90
B-24	RB-212	3/21/00	1	0	0	0	0	0
B-24	RB-212	3/22/00	6	0	0	0	0	105
B-24	RB-212	3/23/00	11	0	0	0	0	80
B-24	RB-212	3/24/00	0	0	0	0	0	5
B-24	RB-212	3/27/00	0	0	0	0	0	5
B-24	RB-212	3/28/00	10	0	0	0	0	91
B-24	RB-212	3/29/00	10	0	0	0	0	5
B-24	RB-212	3/30/00	0	0	0	0	0	14
B-24	RB-212	3/31/00	9	0	0	0	0	95
B-24	RB-212	4/3/00	1	0	0	0	0	90
B-24	RB-212	4/4/00	50	0	0	0	0	0
B-24	RB-212	4/5/00	0	0	0	0	0	10
B-24	RB-212	4/6/00	10	0	0	0	0	10
B-24	RB-212	4/7/00	0	0	0	0	0	11
B-24	RB-212	4/10/00	0	0	0	0	0	86
B-24	RB-212	4/11/00	0	0	0	0	0	124
B-24	RB-212	4/13/00	0	0	0	0	0	25
B-24	RB-212	4/14/00	0	0	0	0	0	15
B-24	RB-212	4/17/00	0	0	0	0	0	90
B-24	RB-212	4/18/00	0	0	0	0	0	125
B-24	RB-212	4/19/00	4	0	0	0	0	60
B-24	RB-212	4/20/00	0	0	0	0	0	35
B-24	RB-212	4/24/00	0	0	0	0	0	85
B-24	RB-212	4/25/00	55	0	0	0	0	108
B-24	RB-212	4/26/00	0	0	0	0	0	67
B-24	RB-212	4/28/00	0	0	0	0	0	62
B-24	RB-212	5/2/00	26	0	0	0	0	79
B-24	RB-212	5/3/00	0	0	0	0	0	5
B-24	RB-212	5/4/00	124	0	0	0	0	0
B-24	RB-212	5/5/00	0	0	0	0	0	90
B-24	RB-212	5/8/00	22	0	0	0	0	0
B-24	RB-212	5/9/00	0	0	0	0	0	72.5
B-24	RB-212	5/10/00	0	0	0	0	0	87
B-24	RB-212	5/12/00	0	0	0	0	0	26
B-24	RB-212	5/15/00	0	0	0	0	0	110
B-24	RB-212	5/16/00	5	0	0	0	0	74
B-24	RB-212	5/17/00	25	0	0	0	0	0
B-24	RB-212	5/18/00	10	0	0	0	0	36
B-24	RB-212	5/19/00	0	0	0	0	0	95
B-24	RB-212	5/22/00	0	0	0	0	0	69

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B-24	RB-212	5/23/00	0	0	0	0	0	65
B-24	RB-212	5/23/00	10	0	0	0	0	0
B-24	RB-212	5/24/00	0	0	0	0	0	26
B-24	RB-212	5/25/00	0	0	0	0	0	29
B-24	RB-212	6/2/00	39	0	0	0	0	39
B-24	RB-212	6/5/00	1	0	0	0	0	45
B-24	RB-212	6/6/00	0	0	0	0	0	55
B-24	RB-212	6/7/00	0	0	0	0	0	60
B-24	RB-212	6/8/00	0	0	0	0	0	70
B-24	RB-212	6/9/00	0	0	0	0	0	24
B-24	RB-212	6/12/00	0	0	0	0	0	70
B-24	RB-212	6/13/00	0	0	0	0	0	110
B-24	RB-212	6/14/00	0	0	0	0	0	10
B-24	RB-212	6/20/00	6	0	0	0	0	45
B-24	RB-212	6/22/00	213	0	0	0	0	10
B-24	RB-212	6/26/00	0	0	0	0	0	5
B-24	RB-212	6/26/00	0	0	0	0	0	10
B-24	RB-212	6/27/00	5	0	0	0	0	64
B-24	RB-212	6/28/00	0	0	0	0	0	50
B-24	RB-212	6/29/00	3	0	0	0	0	0
B-24	RB-212	6/30/00	26	0	0	0	0	0
B-24	RB-212	7/3/00	10	0	0	0	0	0
B-24	RB-212	7/5/00	31	0	0	0	0	0
B-24	RB-212	7/6/00	15	0	0	0	0	0
B-24	RB-212	7/10/00	5	0	0	0	0	0
B-24	RB-212	7/18/00	0	0	0	0	0	90
B-24	RB-212	7/19/00	0	0	0	0	0	80
B-24	RB-212	7/21/00	53	0	0	0	0	0
B-24	RB-212	7/25/00	0	0	0	0	0	55
B-24	RB-212	7/26/00	25	0	0	0	0	0
B-24	RB-212	7/27/00	0	0	0	0	0	27
B-24	RB-212	7/28/00	0	0	0	0	0	100
B-24	RB-212	7/31/00	1	0	0	0	0	0
B-24	RB-212	8/1/00	0	0	0	0	0	5
B-24	RB-212	8/2/00	50	0	0	0	0	110
B-24	RB-212	8/3/00	6	0	0	0	0	70
B-24	RB-212	8/4/00	0	0	0	0	0	10
B-24	RB-212	8/7/00	0	0	0	0	0	20
B-24	RB-212	8/8/00	0	0	0	0	0	25
B-24	RB-212	8/9/00	0	0	0	0	0	3
B-24	RB-212	8/10/00	0	0	0	0	0	23
B-24	RB-212	8/14/00	20	0	0	0	0	0
B-24	RB-212	8/15/00	0	0	0	0	0	45
B-24	RB-212	8/16/00	0	0	0	0	0	8
B-24	RB-212	8/17/00	46	0	0	0	0	10
B-24	RB-212	8/21/00	40	0	0	0	0	0
B-24	RB-212	8/24/00	34	0	0	0	0	0
B-24	RB-212	8/28/00	100	0	0	0	0	0
B-24	RB-212	8/29/00	0	0	0	0	0	50
B-24	RB-212	8/30/00	39	0	0	0	0	50
B-24	RB-212	9/1/00	69	0	0	0	0	11
B-24	RB-212	9/6/00	0	0	0	0	0	25

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B-24	RB-212	9/8/00	208	0	0	0	0	0
B-24	RB-212	9/12/00	4	0	0	0	0	40
B-24	RB-212	9/14/00	88	0	0	0	0	0
B-24	RB-212	9/15/00	40	0	0	0	0	0
B-24	RB-212	9/19/00	72	0	0	0	0	0
B-24	RB-212	9/20/00	20	0	0	0	0	2
B-24	RB-212	9/21/00	0	0	0	0	0	65
B-24	RB-212	9/22/00	24	0	0	0	0	5
B-24	RB-212	9/25/00	30	0	0	0	0	5
B-24	RB-212	9/27/00	0	0	0	0	0	5
B-24	RB-212	9/29/00	27	0	0	0	0	0
B-24	RB-212	10/2/00	20	0	0	0	0	0
B-24	RB-212	10/3/00	24	0	0	0	0	25
B-24	RB-212	10/4/00	0	0	0	0	0	5
B-24	RB-212	10/5/00	10	0	0	0	0	0
B-24	RB-212	10/9/00	30	0	0	0	0	20
B-24	RB-212	10/11/00	0	0	0	0	0	55
B-24	RB-212	10/12/00	30	0	0	0	0	10
B-24	RB-212	10/16/00	0	0	0	0	0	25
B-24	RB-212	10/17/00	28	0	0	0	0	5
B-24	RB-212	10/18/00	0	0	0	0	0	10
B-24	RB-212	10/24/00	0	0	0	0	0	40
B-24	RB-212	10/25/00	37	0	0	0	0	0
B-24	RB-212	10/26/00	24	0	0	0	0	72
B-24	RB-212	11/1/00	35	0	0	0	0	0
B-24	RB-212	11/8/00	67	0	0	0	0	12
B-24	RB-212	11/9/00	40	0	0	0	0	100
B-24	RB-212	11/13/00	36	0	0	0	0	100
B-24	RB-212	11/15/00	0	0	0	0	0	35
B-24	RB-212	11/17/00	0	0	0	0	0	5
B-24	RB-212	11/20/00	0	0	0	0	0	10
B-24	RB-212	11/21/00	110	0	0	0	0	60
B-24	RB-212	11/22/00	0	0	0	0	0	13
B-24	RB-212	11/27/00	65	0	0	0	0	0
B-24	RB-212	11/28/00	0	0	0	0	0	25
B-24	RB-212	11/29/00	22	0	0	0	0	0
B-24	RB-212	11/30/00	60	0	0	0	0	0
B-24	RB-212	12/4/00	0	0	0	0	0	20
B-24	RB-212	12/5/00	2	0	0	0	0	20
B-24	RB-212	12/6/00	34	0	0	0	0	0
B-24	RB-212	12/7/00	0	0	0	0	0	25
B-24	RB-212	12/8/00	40	0	0	0	0	0
B-24	RB-212	12/11/00	0	0	0	0	0	30
B-24	RB-212	12/12/00	20	0	0	0	0	0
B-24	RB-212	12/14/00	58	0	0	0	0	0
B-24	RB-212	12/18/00	25	0	0	0	0	25
B-24	RB-212	12/19/00	0	0	0	0	0	115
B-24	RB-212	12/20/00	25	0	0	0	0	0
B-24	RB-212	12/22/00	165	0	0	0	0	0
B-24	RB-212	12/29/00	0	0	0	0	0	30
B-24	RB-212C	1/1/00	0	0	0	0	0	50
B-24	RB-212C	1/4/00	0	0	0	0	0	4

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B-24	RB-212C	1/7/00	0	0	0	0	0	70
B-24	RB-212C	1/14/00	0	0	0	0	0	80
B-24	RB-212C	1/18/00	1	0	0	0	0	0
B-24	RB-212C	1/24/00	0	0	0	0	0	100
B-24	RB-212C	2/2/00	0	0	0	0	0	3
B-24	RB-212C	2/9/00	29	0	0	0	0	0
B-24	RB-212C	2/15/00	0	0	0	0	0	41
B-24	RB-212C	2/18/00	0	0	0	0	0	60
B-24	RB-212C	3/9/00	62	0	0	0	0	0
B-24	RB-212C	4/7/00	9	0	0	0	0	0
B-24	RB-212C	4/12/00	0	0	0	0	0	50
B-24	RB-212C	5/1/00	10	0	0	0	0	0
B-24	RB-212C	5/2/00	0	0	0	0	0	20
B-24	RB-212C	5/9/00	0	0	0	0	0	50
B-24	RB-214C	1/3/00	10	0	0	0	0	0
B-24	RB-214C	1/14/00	0	0	0	0	0	100
B-24	RB-214C	2/2/00	6	0	0	0	0	0
B-24	RB-214C	2/8/00	0	0	0	0	0	22
B-24	RB-214C	2/9/00	8	0	0	0	0	50
B-24	RB-214C	2/15/00	0	0	0	0	0	20
B-24	RB-214C	2/16/00	5	0	0	0	0	0
B-24	RB-214C	2/17/00	0	0	0	0	0	30
B-24	RB-214C	2/21/00	0	0	0	0	0	60
B-24	RB-214C	3/3/00	0	0	0	0	0	75
B-24	RB-214C	3/9/00	0	0	0	0	0	30
B-24	RB-214C	3/16/00	0	0	0	0	0	70
B-24	RB-214C	3/29/00	0	0	0	0	0	85
B-24	RB-214C	4/3/00	0	0	0	0	0	50
B-24	RB-214C	4/5/00	50	0	0	0	0	0
B-24	RB-214C	4/13/00	100	0	0	0	0	0
B-24	RB-214C	4/19/00	40	0	0	0	0	0
B-24	RB-214C	4/26/00	0	0	0	0	0	82
B-24	RB-214C	4/27/00	0	0	0	0	0	10
B-24	RB-214C	5/5/00	0	0	0	0	0	45
B-24	RB-214C	5/8/00	0	0	0	0	0	50
B-24	RB-214C	5/24/00	0	0	0	0	0	75
B-24	RB-214C	6/7/00	0	0	0	0	0	50
B-24	RB-214C	6/9/00	10	0	0	0	0	0
B-24	RB-214C	6/13/00	40	0	0	0	0	0
B-24	RB-214C	6/23/00	0	0	0	0	0	75
B-24	RB-214C	7/7/00	15	0	0	0	0	0
B-24	RB-214C	7/12/00	15	0	0	0	0	0
B-24	RB-214C	7/14/00	25	0	0	0	0	0
B-24	RB-214C	7/18/00	25	0	0	0	0	0
B-24	RB-214C	7/19/00	25	0	0	0	0	0
B-24	RB-214C	7/20/00	25	0	0	0	0	0
B-24	RB-214C	7/24/00	25	0	0	0	0	0
B-24	RB-214C	7/25/00	30	0	0	0	0	0
B-24	RB-214C	7/31/00	30	0	0	0	0	0
B-24	RB-214C	8/7/00	30	0	0	0	0	0
B-24	RB-214C	8/23/00	30	0	0	0	0	0
B-24	RB-214C	8/28/00	40	0	0	0	0	0

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B-24	RB-214C	9/11/00	40	0	0	0	0	0
B-24	RB-214C	9/12/00	40	0	0	0	0	0
B-24	RB-214C	10/4/00	50	0	0	0	0	0
B-24	RB-214C	10/31/00	30	0	0	0	0	0
B-24	RB-214C	11/6/00	50	0	0	0	0	0
B-24	RB-214C	11/13/00	40	0	0	0	0	60
B-24	RB-214C	12/6/00	2	0	0	0	0	0
B-24	RB-214C	12/11/00	2	0	0	0	0	0
B-24	RB-214C	12/13/00	20	0	0	0	0	0
B-24	RB-214C	12/14/00	0	0	0	0	0	60
B-24	RB-214C	12/29/00	0	0	0	0	0	50
B-24	RB-221	1/27/00	0	0	0	0	0	100
B-24	RB-221	2/29/00	0	0	0	0	0	25
B-24	RB-221	3/1/00	0	0	0	0	0	10
B-24	RB-221	3/3/00	0	0	0	0	0	25
B-24	RB-221	4/20/00	0	0	0	0	0	84
B-24	RB-221	5/4/00	0	0	0	0	0	24
B-24	RB-221	7/17/00	100	0	0	0	0	0
B-24	RB-221	7/18/00	100	0	0	0	0	0
B-24	RB-221C	1/27/00	0	0	0	0	0	35
B-24	RB-221C	1/28/00	0	0	0	0	0	65
B-24	RB-221C	2/16/00	0	0	0	0	0	70
B-24	RB-221C	3/17/00	0	0	0	0	0	30
B-24	RB-221C	5/1/00	0	0	0	0	0	65
B-24	RB-221C	6/27/00	60	0	0	0	0	0
B-24	RB-221C	7/19/00	0	0	0	0	0	50
B-24	RB-221C	12/19/00	0	0	0	0	0	100
B-24	RB-222C	1/14/00	0	0	0	0	0	98
B-24	RB-222C	2/9/00	0	0	0	0	0	77
B-24	RB-222C	2/15/00	0	0	0	0	0	23
B-24	RB-222C	4/6/00	0	0	0	0	0	100
B-24	RB-222C	4/14/00	0	0	0	0	0	100
B-24	RB-222C	4/28/00	0	0	0	0	0	75
B-24	RB-222C	5/8/00	0	0	0	0	0	55
B-24	RB-222C	11/4/00	0	0	0	0	0	10
B-24	RB-222C	11/9/00	0	0	0	0	0	3
B-24	RB-231	3/1/00	0	0	0	0	0	90
B-24	RB-231	3/6/00	0	0	0	0	0	100
B-24	RB-231	3/13/00	0	0	0	0	0	77
B-24	RB-231	3/24/00	0	0	0	0	0	85
B-24	RB-231	4/4/00	0	0	0	0	0	95
B-24	RB-231	4/12/00	0	0	0	0	0	76
B-24	RB-231	4/27/00	0	0	0	0	0	50
B-24	RB-231	5/3/00	0	0	0	0	0	100
B-24	RB-231	6/13/00	100	0	0	0	0	0

			3-H	14-C	32-P	33-P	35-S	125-I
B-24 TOTAL			12353	4194	0	77	0	11053

B-31	RA-210	1/18/00	0	0	0	0	0	10
B-31	RA-210	1/25/00	0	0	0	0	0	3
B-31	RA-210	2/7/00	0	0	0	0	0	3

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B-31	RA-210	2/8/00	0	0	0	0	0	3
B-31	RA-210	2/10/00	0	0	0	0	0	3.4
B-31	RA-210	2/14/00	0	0	0	0	0	3
B-31	RA-210	2/15/00	0	0	0	0	0	4
B-31	RA-210	2/17/00	0	0	0	0	0	4
B-31	RA-210	2/18/00	0	0	0	0	0	4
B-31	RA-210	2/22/00	0	0	0	0	0	3
B-31	RA-210	2/23/00	0	0	0	0	0	4
B-31	RA-210	2/24/00	0	0	0	0	0	3
B-31	RA-210	2/24/00	0	0	0	0	0.05	0
B-31	RA-210	3/8/00	0	0	0	0	0	5
B-31	RA-210	3/9/00	0	0	0	0	0	5
B-31	RA-210	3/14/00	0	0	0	0	0	5
B-31	RA-210	8/2/00	0	0	0	20	0	0
B-31	RA-210	8/20/00	0	0	0	0	80	0
B-31	RA-210	8/26/00	0	0	0	0	0	0
B-31	RA-210	9/8/00	5	0	0	0	0	0
B-31	RA-210	9/12/00	0	0	0	0	0	2.5
B-31	RA-210	9/14/00	0	0	0	0	0	2.5
B-31	RA-210	9/20/00	0	0	0	0	0	2.5
B-31	RA-210	9/21/00	0	0	0	0	0	2.5
B-31	RA-210	9/23/00	0	0	0	0	0	5
B-31	RA-210	9/24/00	0	0	0	0	0	3
B-31	RA-210	9/28/00	0	0	1	0	0	0
B-31	RA-210	10/1/00	0	0	0	0	0	2
B-31	RA-210	10/5/00	0	0	4	0	0	0
B-31	RA-210	10/7/00	0	0	5	0	0	0
B-31	RA-210	10/15/00	0	0	0	0	0	5
B-31	RA-210	10/20/00	0	0	0	0	0	5
B-31	RA-210	10/20/00	0	0	0	0	0	5
B-31	RA-210	10/21/00	0	0	5	0	0	0
B-31	RA-210	10/25/00	0	0	0	0	0	5
B-31	RA-217	2/1/00	1.6	0	0	0	0	0
B-31	RA-217	2/2/00	1.6	0	0	0	0	0
B-31	RA-217	2/10/00	1.6	0	0	0	0	0
B-31	RA-217	2/23/00	4.8	0	0	0	0	0
B-31	RA-217	2/24/00	3.2	0	0	0	0	0
B-31	RA-217	2/25/00	3.2	0	0	0	0	0
B-31	RA-217	2/29/00	3.2	0	0	0	0	0
B-31	RA-217	3/1/00	3.2	0	0	0	0	0
B-31	RA-217	3/13/00	3.2	0	0	0	0	0
B-31	RA-217	3/14/00	4.8	0	0	0	0	0
B-31	RA-217	3/21/00	4.8	0	0	0	0	0
B-31	RA-217	3/22/00	4.8	0	0	0	0	0
B-31	RA-217	3/29/00	4.8	0	0	0	0	0
B-31	RA-217	6/22/00	4.8	0	0	0	0	0
B-31	RA-217	6/28/00	3.2	0	0	0	0	0
B-31	RA-217	7/6/00	1	0	0	0	0	0
B-31	RA-217	7/10/00	3.2	0	0	0	0	0
B-31	RA-217	9/29/00	2	0	0	0	0	0
B-31	RA-217	10/6/00	1.5	0	0	0	0	0
B-31	RA-217	10/10/00	1.5	0	0	0	0	0

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B-31	RA-217	10/11/00	2	0	0	0	0	0
B-31	RA-217	10/12/00	3	0	0	0	0	0
B-31	RA-217	10/19/00	5.2	0	0	0	0	0
B-31	RA-217	11/1/00	3.2	0	0	0	0	0
B-31	RA-217	11/16/00	1	0	0	0	0	0
B-31	RA-217	11/30/00	1.6	0	0	0	0	0
B-31	RA-217	12/7/00	1.6	0	0	0	0	0
B-31	RA-217	12/11/00	2	0	0	0	0	0
B-31	RA-217	12/13/00	1.5	0	0	0	0	0
B-31	RA-217	12/20/00	2.4	0	0	0	0	0
B-31	RA-267	10/13/00	5	0	0	0	0	0
B-31	RA-267	11/7/00	5	0	0	0	0	0
B-31	RA-313	4/3/00	0	0	0	50	0	0
B-31	RA-313	9/20/00	5	0	0	0	0	0
B-31	RA-323	1/4/00	0	0	0	0	15	0
B-31	RA-323	1/18/00	0	0	0	75	0	0
B-31	RA-323	1/23/00	0	0	0	75	0	0
B-31	RA-323	2/8/00	0	0	0	80	0	0
B-31	RA-323	2/16/00	0	0	0	0	2	0
B-31	RA-323	2/18/00	0	0	0	90	0	0
B-31	RA-323	2/20/00	0	0	0	75	0	0
B-31	RA-323	2/21/00	0	0	0	0	5	0
B-31	RA-323	3/27/00	0	0	0	0	1	0
B-31	RA-323	3/31/00	0	0	0	1	0	0
B-31	RA-323	4/5/00	0	0	0	0	1	0
B-31	RA-323	4/10/00	0	0	0	0	1	0
B-31	RA-323	4/13/00	0	0	0	0	1	0
B-31	RA-323	5/9/00	0	0	0	0	5	0
B-31	RA-323	5/17/00	0	0	0	0	1	0
B-31	RA-323	5/19/00	0	0	0	0	1	0
B-31	RA-323	5/25/00	0	0	0	0	1	0
B-31	RA-323	6/8/00	0	0	0	0	1	0
B-31	RA-323	7/14/00	0	0	0	0	1	0
B-31	RA-323	7/17/00	0	0	0	0	5	0
B-31	RA-323	7/24/00	0	0	0	0	1	0
B-31	RA-323	9/1/00	0	0	0	0	1	0
B-31	RA-323	10/3/00	0	0	0	0	1	0
B-31	RA-323	10/31/00	0	0	0	0	1	0
B-31	RA-323	11/9/00	0	0	0	0	1	0
B-31	RA-323	11/21/00	0	0	0	0	1	0
B-31	RA-323	12/7/00	0	0	0	0	1	0
B-31	RA-357	1/4/00	18	0	0	0	22	0
B-31	RA-357	1/5/00	1	0	0	180	0	30
B-31	RA-357	1/6/00	38	0	0	220	0	0
B-31	RA-357	1/7/00	0	0	0	440	0	84.5
B-31	RA-357	1/10/00	0	0	0	216	0	0
B-31	RA-357	1/11/00	3	0	0	0	0	0
B-31	RA-357	1/12/00	3	0	0	207	25	60
B-31	RA-357	1/13/00	0	0	0	216	23	30
B-31	RA-357	1/14/00	172	0	0	0	0	0
B-31	RA-357	1/17/00	116	0	0	216	0	51
B-31	RA-357	1/18/00	20	0	0	189	20	74

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B-31	RA-357	1/19/00	0	0	0	0	0	53
B-31	RA-357	1/20/00	0	0	0	75	0	0
B-31	RA-357	1/21/00	0	0	0	0	0	30
B-31	RA-357	1/21/00	0	0	0	108	0	0
B-31	RA-357	1/24/00	0	0	0	324	0	77
B-31	RA-357	1/25/00	5	0	0	0	0	25
B-31	RA-357	1/26/00	0	0	0	0	0	54
B-31	RA-357	1/27/00	0	0	0	0	0	39
B-31	RA-357	1/28/00	0	0	0	108	0	40
B-31	RA-357	1/31/00	0	0	0	18	0	1
B-31	RA-357	2/1/00	5	20	0	27	9	16
B-31	RA-357	2/2/00	0	0	0	0	5	0
B-31	RA-357	2/3/00	5	5	0	45	0	0
B-31	RA-357	2/4/00	0	0	0	54	0	40
B-31	RA-357	2/7/00	0	0	0	466	0	30
B-31	RA-357	2/8/00	22	0	0	306	22	40
B-31	RA-357	2/9/00	0	0	0	0	30	5
B-31	RA-357	2/10/00	5	0	0	0	100	0
B-31	RA-357	2/14/00	238	0	0	170	0	64
B-31	RA-357	2/15/00	0	0	0	270	0	80
B-31	RA-357	2/16/00	0	0	0	90	0	160
B-31	RA-357	2/16/00	5	0	0	0	0	0
B-31	RA-357	2/17/00	15	0	0	0	0	0
B-31	RA-357	2/18/00	0	0	0	0	0	10
B-31	RA-357	2/21/00	0	0	0	210	0	160
B-31	RA-357	2/22/00	55	0	0	0	0	70
B-31	RA-357	2/23/00	0	0	0	0	0	95
B-31	RA-357	2/24/00	0	0	0	0	0	21.3
B-31	RA-357	2/24/00	12.5	0	0	0	0	0
B-31	RA-357	2/25/00	0	0	0	0	0	30
B-31	RA-357	2/25/00	0	0	0	75	0	0
B-31	RA-357	2/28/00	0	0	0	135	0	15
B-31	RA-357	2/28/00	45	45	0	0	0	0
B-31	RA-357	2/29/00	0	0	0	0	0	1.5
B-31	RA-357	3/1/00	0	0	0	0	0	48
B-31	RA-357	3/2/00	0	0	0	0	0	21.5
B-31	RA-357	3/3/00	0	0	0	680	0	11
B-31	RA-357	3/6/00	0	0	0	0	0	4
B-31	RA-357	3/7/00	0	0	0	0	0	62
B-31	RA-357	3/7/00	75	0	0	0	0	0
B-31	RA-357	3/8/00	0	0	0	400	0	125
B-31	RA-357	3/9/00	0	0	0	0	0	13
B-31	RA-357	3/10/00	20	0	0	0	0	30
B-31	RA-357	3/13/00	0	0	0	0	0	20
B-31	RA-357	3/14/00	0	0	0	0	320	28
B-31	RA-357	3/15/00	1.5	41.6	0	0	550	0
B-31	RA-357	3/16/00	0	0	0	0	0	8
B-31	RA-357	3/17/00	0	12.5	0	0	0	0
B-31	RA-357	3/17/00	0	33.5	0	0	0	10
B-31	RA-357	3/20/00	0	5	0	0	0	0
B-31	RA-357	3/20/00	0	45	0	0	0	14
B-31	RA-357	3/21/00	0	50	0	0	0	0

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B-31	RA-357	3/22/00	250	33.5	0	0	400	60
B-31	RA-357	3/23/00	0	135	0	0	0	2.5
B-31	RA-357	3/24/00	0	0	0	0	0	25
B-31	RA-357	3/27/00	0	122	0	0	0	130
B-31	RA-357	3/28/00	0	125	0	2.4	250	21
B-31	RA-357	3/29/00	0	123	0	3	320	107.5
B-31	RA-357	3/30/00	0	122	0	47	0	0
B-31	RA-357	3/31/00	0	122	0	0	0	0
B-31	RA-357	4/3/00	0	0	0	0	0	40
B-31	RA-357	4/4/00	0	113	0	10	320	43
B-31	RA-357	4/5/00	0	122	0	20	0	2
B-31	RA-357	4/6/00	0	122	0	10	0	85
B-31	RA-357	4/7/00	0	122	0	0	0	1
B-31	RA-357	4/10/00	0	129	0	410	0	140
B-31	RA-357	4/11/00	0	122	0	20	0	46
B-31	RA-357	4/12/00	0	80	0	0	80	45
B-31	RA-357	4/13/00	0	0	0	0	0	30
B-31	RA-357	4/14/00	0	0	0	0	0	2
B-31	RA-357	4/17/00	4	0	0	0	0	10
B-31	RA-357	4/18/00	0	0	0	0	0	46
B-31	RA-357	4/19/00	0	0	0	10	0	20
B-31	RA-357	4/20/00	0	0	0	568	100	100
B-31	RA-357	4/24/00	200	0	0	0	0	10
B-31	RA-357	4/25/00	0	0	0	0	0	24
B-31	RA-357	4/26/00	1	14	0	0	112	12
B-31	RA-357	4/27/00	0	0	0	5	0	74
B-31	RA-357	4/28/00	0	0	0	5	0	60
B-31	RA-357	5/1/00	0	0	0	0	0	100
B-31	RA-357	5/2/00	40	2.5	0	10	72	101
B-31	RA-357	5/3/00	0	0	0	10	0	0
B-31	RA-357	5/3/00	114	0	0	80	0	0
B-31	RA-357	5/4/00	20	0	0	20	10	130
B-31	RA-357	5/8/00	0	0	0	0	0	4
B-31	RA-357	5/9/00	0	0	0	0	0	224
B-31	RA-357	5/10/00	327	0	0	0	0	224
B-31	RA-357	5/12/00	0	117	0	0	0	120
B-31	RA-357	5/15/00	300	0	0	0	0	100
B-31	RA-357	5/16/00	0	117	0	0	0	120
B-31	RA-357	5/17/00	0	117	0	0	0	4
B-31	RA-357	5/18/00	0	59	0	0	0	0
B-31	RA-357	5/19/00	0	0	0	0	0	120
B-31	RA-357	5/23/00	250	0	0	0	0	46
B-31	RA-357	5/25/00	0	32	0	0	0	124
B-31	RA-357	5/30/00	0	0	0	15	0	0
B-31	RA-357	6/2/00	0	0	0	0	0	12
B-31	RA-357	6/5/00	0	35	0	40	0	4
B-31	RA-357	6/6/00	0	0	0	15	0	60
B-31	RA-357	6/7/00	390	0	0	0	0	31
B-31	RA-357	6/8/00	2	0	0	0	270	124
B-31	RA-357	6/9/00	2	0	0	0	0	80
B-31	RA-357	6/12/00	2	9.25	0	0	0	0
B-31	RA-357	6/13/00	141.5	0	0	32	650	54

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B-31	RA-357	6/14/00	2.6	0	0	38	0	14
B-31	RA-357	6/15/00	0	11.75	0	32.3	40	0
B-31	RA-357	6/16/00	0	0	0	0	0	5
B-31	RA-357	6/17/00	0	0	0	0	0	1.24
B-31	RA-357	6/19/00	0	0	0	0	0	26
B-31	RA-357	6/20/00	211.3	0	0	0	0	79.2
B-31	RA-357	6/21/00	560	0	0	0	0	74.8
B-31	RA-357	6/22/00	0	0	0	0	0	50.5
B-31	RA-357	6/23/00	0	0	0	0	0	5
B-31	RA-357	6/27/00	452	0	0	0	200	10
B-31	RA-357	6/28/00	324	0	0	0	0	10
B-31	RA-357	6/29/00	105	0	0	0	0	1
B-31	RA-357	6/30/00	20	0	0	0	0	0
B-31	RA-357	7/3/00	40	0	0	0	0	0
B-31	RA-357	7/5/00	520	0	0	18	0	120
B-31	RA-357	7/6/00	102	0	0	0	0	0
B-31	RA-357	7/7/00	0	0	0	0	0	5
B-31	RA-357	7/10/00	59	0	0	30	0	0
B-31	RA-357	7/11/00	670	1	0	15	0	8
B-31	RA-357	7/12/00	72	0	0	0	0	0
B-31	RA-357	7/14/00	0	0	0	25	0	0
B-31	RA-357	7/17/00	140	0	0	0	0	0
B-31	RA-357	7/18/00	115	0	0	0	0	0
B-31	RA-357	7/19/00	450	0	0	0	0	0
B-31	RA-357	7/20/00	200	0	0	0	0	0
B-31	RA-357	7/21/00	0	0	0	0	0	1
B-31	RA-357	7/24/00	650	0	0	0	0	1
B-31	RA-357	7/26/00	0	0	0	10	0	3.5
B-31	RA-357	7/27/00	300	0	0	10	0	3.5
B-31	RA-357	7/31/00	8	0	0	0	0	0
B-31	RA-357	8/1/00	18.5	0	0	0	0	0
B-31	RA-357	8/3/00	0	0	0	0	0	1
B-31	RA-357	8/3/00	0	0	0	0	0	2
B-31	RA-357	8/4/00	1.5	0	0	0	0	0
B-31	RA-357	8/7/00	0	0	0	0	0	1
B-31	RA-357	8/7/00	17	0	0	0	0	0
B-31	RA-357	8/8/00	27	0	0	0	0	0
B-31	RA-357	8/8/00	400	0	0	50	0	0
B-31	RA-357	8/9/00	8	0	0	0	0	0
B-31	RA-357	8/9/00	400	0	0	0	0	3
B-31	RA-357	8/10/00	170	0	0	0	0	0
B-31	RA-357	8/14/00	10	0	0	0	0	3
B-31	RA-357	8/15/00	976	0	0	0	0	0
B-31	RA-357	8/16/00	13	0	0	0	0	0
B-31	RA-357	8/18/00	24	0	0	0	0	21
B-31	RA-357	8/21/00	272	0	0	0	0	0.5
B-31	RA-357	8/22/00	176	0	0	0	0	0
B-31	RA-357	8/23/00	0	0	0	0	0	0.5
B-31	RA-357	8/24/00	0	0	0	0	0	34
B-31	RA-357	8/29/00	519	0	0	0	0	0
B-31	RA-357	8/31/00	326	0	0	60	0	0
B-31	RA-357	9/5/00	0	0	0	20	0	0

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B-31	RA-357	9/6/00	15	0	0	20	0	2
B-31	RA-357	9/7/00	0	0	0	20	0	0.7
B-31	RA-357	9/12/00	0	0	0	0	0	1.5
B-31	RA-357	9/16/00	39	0	0	0	0	50
B-31	RA-357	9/17/00	79	0	0	0	0	0
B-31	RA-369	1/13/00	0	0	0	100	0	0
B-31	RA-369	1/18/00	0	0	0	100	0	0
B-31	RA-369	5/11/00	0	0	0	0	0	0
B-31	RA-369	5/12/00	13	0	0	0	0	0
B-31	RA-369	5/15/00	2	0	0	0	0	0
B-31	RA-369	5/16/00	40	0	0	0	0	0
B-31	RA-369	5/17/00	13.7	0	0	0	0	0
B-31	RA-369	5/18/00	13.7	0	0	0	0	0
B-31	RA-369	5/20/00	0	1	0	0	0	0
B-31	RA-369	5/22/00	13	0	0	0	0	0
B-31	RA-369	5/23/00	9	0	0	0	0	0
B-31	RA-369	5/24/00	0	1	0	0	0	0
B-31	RA-369	5/25/00	1	0	0	0	0	0
B-31	RA-369	5/25/00	8	0	0	0	0	0
B-31	RA-369	5/25/00	100	0	0	0	0	0
B-31	RA-369	6/5/00	20	0	0	0	0	0
B-31	RA-369	6/6/00	20	0	0	0	0	0
B-31	RA-369	6/9/00	80	0	0	0	0	0
B-31	RA-369	6/14/00	7	0	0	0	0	0
B-31	RA-369	6/22/00	8	0	0	0	0	0
B-31	RA-369	6/30/00	20	0	0	0	0	0
B-31	RA-369	7/5/00	0	0	0	20	0	0
B-31	RA-369	7/6/00	18	0	0	0	0	0
B-31	RA-369	7/10/00	0	1	0	0	0	0
B-31	RA-369	7/12/00	0	0	0	10	0	0
B-31	RA-369	7/18/00	0	0	0	3	0	0
B-31	RA-369	7/18/00	0	0	0	10	0	0
B-31	RA-369	7/26/00	0	0	0	70	0	0
B-31	RA-369	8/1/00	0	0	0	10	0	0
B-31	RA-369	8/1/00	420	0	0	0	0	80
B-31	RA-369	8/2/00	0	0	0	20	0	0
B-31	RA-369	8/4/00	0	0	0	20	0	0
B-31	RA-369	8/4/00	1	0	0	0	0	0
B-31	RA-369	8/10/00	0	0	0	10	0	0
B-31	RA-369	8/14/00	0	0	0	15	0	0
B-31	RA-369	8/15/00	0	0	0	10	0	0
B-31	RA-369	8/17/00	0	0	0	0	0	74
B-31	RA-369	8/17/00	75	0	0	0	0	0
B-31	RA-369	9/8/00	0	0	0	20	0	0

	3-H	14-C	32-P	33-P	35-S	125-I
B-31 TOTAL	12403	2369	15	8010	4078	5594

B-36 SEWER RELEASE - 2000

B-36 3-H 14-C 32-P 33-P 35-S 125-I **ISOTOPE**
 3292 0 0 13060 0 160 **uCi**

Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I
B-36	SINK	9/28/00	140	0	0	59	0	0
B-36	SINK	9/29/00	0	0	0	36	0	0
B-36	SINK	10/3/00	300	0	0	0	0	0
B-36	SINK	10/4/00	0	0	0	67	0	0
B-36	SINK	10/5/00	0	0	0	51	0	0
B-36	SINK	10/6/00	0	0	0	47	0	0
B-36	SINK	10/9/00	0	0	0	12	0	0
B-36	SINK	10/10/00	0	0	0	400	0	0
B-36	SINK	10/11/00	0	0	0	834	0	0
B-36	SINK	10/12/00	11.5	0	0	56	0	0
B-36	SINK	10/13/00	0	0	0	69	0	0
B-36	SINK	10/16/00	0	0	0	420	0	0
B-36	SINK	10/18/00	5	0	0	1	0	28
B-36	SINK	10/19/00	0	0	0	1000	0	25
B-36	SINK	10/20/00	0	0	0	0	0	15
B-36	SINK	10/24/00	0	0	0	500	0	0
B-36	SINK	10/25/00	0	0	0	300	0	0
B-36	SINK	10/26/00	0	0	0	300	0	0
B-36	SINK	10/30/00	1	0	0	0	0	72.42
B-36	SINK	10/31/00	1	0	0	800	0	0
B-36	SINK	11/2/00	0	0	0	8	0	1
B-36	SINK	11/3/00	0	0	0	31	0	0
B-36	SINK	11/5/00	1	0	0	0	0	0.65
B-36	SINK	11/6/00	320	0	0	0	0	0
B-36	SINK	11/7/00	0	0	0	30	0	0
B-36	SINK	11/8/00	1062	0	0	280	0	0
B-36	SINK	11/9/00	8	0	0	0	0	0
B-36	SINK	11/14/00	400	0	0	0	0	0
B-36	SINK	11/15/00	800	0	0	250	0	0
B-36	SINK	11/20/00	0	0	0	0	0	0.55
B-36	SINK	11/21/00	1	0	0	660	0	1.98
B-36	SINK	11/22/00	0	0	0	250	0	1.4
B-36	SINK	11/27/00	20	0	0	0	0	0.4
B-36	SINK	11/28/00	0	0	0	550	0	0.5
B-36	SINK	11/29/00	132	0	0	0	0	0
B-36	SINK	11/30/00	0	0	0	1080	0	0.4
B-36	SINK	12/1/00	0	0	0	0	0	1
B-36	SINK	12/4/00	0	0	0	0	0	1.92

B36_SEWER2000.XLS

B-36	SINK	12/5/00	0	0	0	709	0	0
B-36	SINK	12/6/00	0	0	0	500	0	3.2
B-36	SINK	12/7/00	0	0	0	450	0	1
B-36	SINK	12/9/00	0	0	0	0	0	2.8
B-36	SINK	12/11/00	0	0	0	450	0	0
B-36	SINK	12/12/00	40	0	0	280	0	2.8
B-36	SINK	12/13/00	0	0	0	600	0	0.4
B-36	SINK	12/14/00	1	0	0	80	0	0
B-36	SINK	12/18/00	0	0	0	500	0	0
B-36	SINK	12/20/00	1.7	0	0	1400	0	0
B-36	SINK	12/21/00	8.2	0	0	0	0	0
B-36	SINK	12/27/00	16.3	0	0	0	0	0
B-36	SINK	12/28/00	22.7	0	0	0	0	0

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	1999	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings B-31 and B-24

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

Average gal/month:	627,577.6
Average gal/day:	20,644.0
Average ml/day:	7.81E+07

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	1.00	15,676.00	15,677.00	5.50E-07	1.0E-02	5.50E-05	0.00550%
C-14	0.00	36.00	36.00	1.26E-09	3.0E-04	4.21E-06	0.00042%
P-32	0.00	307.00	307.00	1.08E-08	9.0E-05	1.20E-04	0.01197%
P-33	0.00	4,174.00	4,174.00	1.46E-07	8.0E-04	1.83E-04	0.01830%
S-35	1.00	84.00	85.00	2.98E-09	1.0E-03	2.98E-06	0.00030%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00000%
I-125	0.00	10,851.00	10,851.00	3.81E-07	2.0E-05	1.90E-02	1.90323%

SUM of M.A.C. fractions:
(must not exceed unity)

1.94E-02

3.) Water usage: Building A-21

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	<i>No radioactive materials were released from this facility during calendar year 1999</i>
Average gal/day:	
Average ml/day:	

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	#DIV/0!	1.0E-02	#DIV/0!	#DIV/0!
P-32	0.00	0.00	0.00	#DIV/0!	9.0E-05	#DIV/0!	#DIV/0!
P-33	0.00	0.00	0.00	#DIV/0!	8.0E-04	#DIV/0!	#DIV/0!
S-35	0.00	0.00	0.00	#DIV/0!	1.0E-03	#DIV/0!	#DIV/0!

SUM of M.A.C. fractions:
(must not exceed unity)

#DIV/0!

(#DIV/0! = "0" no calculations performed due to no discharge of RAM.)

5.) Compliance with 10CFR20.2003 (a)(4)

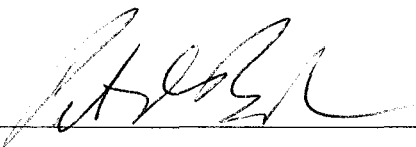
Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 1999 through December 31, 1999.

TOTAL H-3:	15,677.00 uCi	0.3135 % OF YEAR'S LIMIT
TOTAL C-14:	36.00 uCi	0.0036 % OF YEAR'S LIMIT
ALL OTHERS:	15,417.00 uCi	1.5417 % OF YEAR'S LIMIT

Evaluated By:

PETER D. BABIN

Signature:



Date: 7-6-00

Bldgs B24-B31

(Microcones)

NO B36 Bld at this
time - not
in operation
yet.

1999 SEWER DISPOSAL								
Building	Room	Date	3-H	14-C	32-P	33-P	35-S	125-I
B-24	RB-010B	5/19/99	1	0	0	0	0	0
B-24	RB-010B	10/30/99	0	0	0	0	1	0
B-24	RB-131	7/19/99	0	30	0	0	0	0
B-24	RB-212	12/28/99	0	0	0	0	0	56
B-24	RB-212	12/29/99	0	0	0	0	0	65
B-24	RB-212C	3/9/99	0	0	0	0	0	24
B-24	RB-212C	3/11/99	4	0	0	0	0	24
B-24	RB-212C	3/25/99	1	0	0	0	0	3
B-24	RB-212C	3/30/99	1	0	0	0	0	3
B-24	RB-212C	4/7/99	4	0	0	0	0	3
B-24	RB-212C	5/11/99	0	0	0	0	0	100
B-24	RB-212C	6/18/99	0	0	0	0	0	3
B-24	RB-212C	6/29/99	0	0	0	0	0	48
B-24	RB-212C	6/30/99	0	0	0	0	0	40
B-24	RB-212C	7/12/99	0	0	0	0	0	42
B-24	RB-212C	7/25/99	0	0	0	0	0	44
B-24	RB-212C	7/26/99	0	0	0	0	0	39
B-24	RB-212C	7/30/99	0	0	0	0	0	15
B-24	RB-212C	8/13/99	0	0	0	0	0	25
B-24	RB-212C	8/17/99	0	0	0	0	0	58
B-24	RB-212C	8/27/99	0	0	0	0	0	3
B-24	RB-212C	9/1/99	0	0	0	0	0	64
B-24	RB-212C	9/14/99	0	0	0	0	0	1
B-24	RB-212C	9/16/99	0	0	0	0	0	30
B-24	RB-212C	9/22/99	0	0	0	0	0	4
B-24	RB-212C	9/30/99	0	0	0	0	0	5
B-24	RB-212C	10/5/99	0	0	0	0	0	33
B-24	RB-212C	10/6/99	0	0	0	0	0	10
B-24	RB-212C	10/13/99	0	0	0	0	0	25
B-24	RB-212C	10/25/99	0	0	0	0	0	20
B-24	RB-212C	10/25/99	0	0	0	0	0	30
B-24	RB-212C	10/26/99	0	0	0	0	0	53
B-24	RB-212C	10/27/99	0	0	0	0	0	1
B-24	RB-212C	10/28/99	0	0	0	0	0	10
B-24	RB-212C	10/28/99	0	0	0	0	0	35
B-24	RB-212C	10/29/99	0	0	0	0	0	2
B-24	RB-212C	11/1/99	0	0	0	0	0	28
B-24	RB-212C	11/2/99	0	0	0	0	0	2
B-24	RB-212C	11/3/99	0	0	0	0	0	27
B-24	RB-212C	11/5/99	0	0	0	0	0	2
B-24	RB-212C	11/8/99	0	0	0	0	0	50
B-24	RB-212C	11/9/99	0	0	0	0	0	4
B-24	RB-212C	11/11/99	0	0	0	0	0	25
B-24	RB-212C	11/12/99	0	0	0	0	0	30
B-24	RB-212C	11/12/99	0	0	0	0	0	70
B-24	RB-212C	11/16/99	0	0	0	0	0	15
B-24	RB-212C	11/17/99	0	0	0	0	0	30
B-24	RB-212C	11/19/99	0	0	0	0	0	34

B-24	RB-212C	11/22/99	0	0	0	0	0	18
B-24	RB-212C	11/23/99	0	0	0	0	0	16
B-24	RB-212C	11/29/99	0	0	0	0	0	22
B-24	RB-212C	12/1/99	0	0	0	0	0	17
B-24	RB-212C	12/2/99	0	0	0	0	0	22
B-24	RB-212C	12/6/99	0	0	0	0	0	45
B-24	RB-212C	12/7/99	0	0	0	0	0	25
B-24	RB-212C	12/10/99	0	0	0	0	0	3
B-24	RB-212C	12/13/99	0	0	0	0	0	1
B-24	RB-212C	12/14/99	0	0	0	0	0	25
B-24	RB-212C	12/14/99	0	0	0	0	0	98
B-24	RB-212C	12/15/99	0	0	0	0	0	59
B-24	RB-212C	12/17/99	0	0	0	0	0	20
B-24	RB-214C	1/20/99	0	0	0	0	0	78
B-24	RB-214C	1/21/99	0	0	0	0	0	10
B-24	RB-214C	1/27/99	0	0	0	0	0	4
B-24	RB-214C	1/29/99	0	0	0	0	0	30
B-24	RB-214C	2/8/99	0	0	0	0	0	75
B-24	RB-214C	3/5/99	0	0	0	0	0	25
B-24	RB-214C	3/9/99	0	0	0	0	0	75
B-24	RB-214C	3/24/99	0	0	0	0	0	50
B-24	RB-214C	3/31/99	0	0	0	0	0	50
B-24	RB-214C	4/8/99	0	0	0	0	0	100
B-24	RB-214C	4/15/99	0	0	0	0	0	100
B-24	RB-214C	4/26/99	0	0	0	0	0	80
B-24	RB-214C	5/5/99	0	0	0	0	0	4
B-24	RB-214C	5/7/99	0	0	0	0	0	10
B-24	RB-214C	5/10/99	5	0	0	0	0	0
B-24	RB-214C	5/11/99	12	0	0	0	0	0
B-24	RB-214C	5/12/99	0	0	0	0	0	4
B-24	RB-214C	5/14/99	0	0	0	0	0	3
B-24	RB-214C	5/18/99	5	0	0	0	0	0
B-24	RB-214C	5/25/99	10	0	0	0	0	0
B-24	RB-214C	5/26/99	10	0	0	0	0	0
B-24	RB-214C	6/7/99	0	0	0	0	0	20
B-24	RB-214C	6/17/99	0	0	0	0	0	10
B-24	RB-214C	6/30/99	5	0	0	0	0	0
B-24	RB-214C	7/1/99	0	0	0	0	0	40
B-24	RB-214C	7/7/99	15	0	0	0	0	40
B-24	RB-214C	7/22/99	5	0	0	0	0	0
B-24	RB-214C	7/26/99	0	0	0	0	0	40
B-24	RB-214C	7/28/99	0	0	0	0	0	20
B-24	RB-214C	7/30/99	2	0	0	0	0	14
B-24	RB-214C	8/3/99	5	0	0	0	0	0
B-24	RB-214C	8/5/99	5	0	0	0	0	0
B-24	RB-214C	8/11/99	0	0	0	0	0	89
B-24	RB-214C	8/12/99	10	0	0	0	0	0
B-24	RB-214C	8/19/99	8	0	0	0	0	0
B-24	RB-214C	8/30/99	0	0	0	0	0	60
B-24	RB-214C	8/31/99	0	0	0	0	0	30
B-24	RB-214C	9/10/99	0	0	0	0	0	93
B-24	RB-214C	9/13/99	0	0	0	0	0	10

B-24	RB-214C	9/17/99	0	0	0	0	0	15
B-24	RB-214C	9/20/99	0	0	0	0	0	85
B-24	RB-214C	9/22/99	0	0	0	0	0	11
B-24	RB-214C	9/27/99	0	0	0	0	0	30
B-24	RB-214C	9/30/99	65	0	0	0	0	5
B-24	RB-214C	10/1/99	0	0	0	0	0	50
B-24	RB-214C	10/4/99	0	0	0	0	0	2
B-24	RB-214C	10/5/99	0	0	0	0	0	20
B-24	RB-214C	10/6/99	0	0	0	0	0	5
B-24	RB-214C	10/11/99	0.5	0	0	0	0	0
B-24	RB-214C	10/15/99	56	0	0	0	0	0
B-24	RB-214C	10/19/99	0	0	0	0	0	20
B-24	RB-214C	10/22/99	0	0	0	0	0	18
B-24	RB-214C	10/27/99	5	0	0	0	0	36
B-24	RB-214C	11/4/99	6	0	0	0	0	0
B-24	RB-214C	11/10/99	0	0	0	0	0	80
B-24	RB-214C	11/11/99	20	0	0	0	0	0
B-24	RB-214C	11/17/99	0	0	0	0	0	2
B-24	RB-214C	11/23/99	2	0	0	0	0	0
B-24	RB-214C	12/2/99	3	0	0	0	0	0
B-24	RB-214C	12/8/99	5	0	0	0	0	0
B-24	RB-214C	12/9/99	29	0	0	0	0	0
B-24	RB-214C	12/10/99	0	0	0	0	0	25
B-24	RB-214C	12/14/99	9	0	0	0	0	0
B-24	RB-214C	12/15/99	4	0	0	0	0	0
B-24	RB-214C	12/16/99	0	0	0	0	0	38
B-24	RB-214C	12/20/99	5	0	0	0	0	20
B-24	RB-214C	12/27/99	15	0	0	0	0	0
B-24	RB-214C	12/28/99	5	0	0	0	0	0
B-24	RB-214C	12/29/99	30	0	0	0	0	0
B-24	RB-221	1/25/99	1	0	0	0	0	0
B-24	RB-221	2/5/99	10	0	0	0	0	0
B-24	RB-221	2/25/99	10	0	0	0	0	0
B-24	RB-221	3/24/99	10	0	0	0	0	0
B-24	RB-221	4/12/99	0	0	0	0	0	10
B-24	RB-221	4/13/99	0	0	0	0	0	10
B-24	RB-221	4/16/99	0	0	0	0	0	5
B-24	RB-221	4/24/99	0	0	0	0	0	5
B-24	RB-221	4/28/99	0	0	0	0	0	10
B-24	RB-221	4/30/99	0	0	0	0	0	10
B-24	RB-221	5/21/99	0	0	0	0	0	10
B-24	RB-221	5/25/99	0	0	0	0	0	5
B-24	RB-221	6/30/99	0	0	0	0	0	20
B-24	RB-221	7/7/99	0	0	0	0	0	10
B-24	RB-221	7/29/99	0	0	0	0	0	10
B-24	RB-221	8/11/99	0	0	0	0	0	20
B-24	RB-221	8/13/99	0	0	0	0	0	20
B-24	RB-221	9/19/99	0	0	0	0	0	25
B-24	RB-221	10/27/99	0	0	0	0	0	25
B-24	RB-221	11/24/99	0	0	0	0	0	25
B-24	RB-221	12/22/99	0	0	0	0	0	25
B-24	RB-221C	1/11/99	0	0	0	0	0	50

B-24	RB-221C	4/6/99	1	0	0	0	0	0
B-24	RB-221C	4/7/99	1	0	0	0	0	0
B-24	RB-221C	5/5/99	0	0	0	0	0	5
B-24	RB-221C	9/16/99	0	0	0	0	0	10
B-24	RB-221C	9/27/99	0	0	0	0	0	77
B-24	RB-221C	10/28/99	0	0	0	0	5	0
B-24	RB-221C	11/3/99	0	0	0	0	25	0
B-24	RB-221C	11/12/99	0	0	0	0	0	25
B-24	RB-221C	11/15/99	0	0	0	0	0	30
B-24	RB-221C	12/20/99	0	0	0	0	0	30
B-24	RB-222C	1/19/99	1	0	0	0	0	0
B-24	RB-222C	3/12/99	0	0	0	0	0	50
B-24	RB-222C	3/18/99	0	0	1	0	0	0
B-24	RB-222C	5/4/99	0	0	0	0	0	1
B-24	RB-222C	5/5/99	0	0	0	0	0	1
B-24	RB-222C	5/7/99	0	0	0	0	0	1
B-24	RB-222C	5/19/99	0	0	0	0	0	1
B-24	RB-222C	5/27/99	0	0	40	0	0	0
B-24	RB-222C	6/12/99	0	0	50	0	0	0
B-24	RB-222C	6/30/99	0	0	30	0	0	0
B-24	RB-222C	7/1/99	0	0	20	0	0	0
B-24	RB-222C	7/2/99	0	0	10	0	0	0
B-24	RB-222C	7/8/99	0	0	5	0	0	0
B-24	RB-222C	7/13/99	0	0	5	0	0	0
B-24	RB-222C	7/28/99	0	0	5	0	0	0
B-24	RB-222C	7/30/99	0	0	10	25	0	0
B-24	RB-222C	8/17/99	0	0	8	0	0	0
B-24	RB-222C	8/18/99	0	0	0	0	0	1
B-24	RB-222C	8/21/99	0	0	0	70	0	0
B-24	RB-222C	8/27/99	0	0	0	0	0	1
B-24	RB-222C	9/3/99	0	0	10	0	0	0
B-24	RB-222C	9/5/99	0	0	40	30	0	0
B-24	RB-222C	9/8/99	0	0	0	0	0	1
B-24	RB-222C	10/12/99	0	0	0	8	0	0
B-24	RB-222C	10/20/99	0	0	0	3	0	0
B-24	RB-222C	11/3/99	0	0	50	0	0	0
B-24	RB-231	1/12/99	0	0	0	0	0	10
B-24	RB-231	1/14/99	0	0	0	0	0	20
B-31	RA-210	10/22/99	0	0	0	0	0	10
B-31	RA-210	11/1/99	0	0	0	0	0	10
B-31	RA-210	11/3/99	0	0	0	0	0	3
B-31	RA-210	11/9/99	0	0	0	0	0	1
B-31	RA-210	11/10/99	0	0	0	0	0	2
B-31	RA-210	11/11/99	0	0	1	0	0	0
B-31	RA-210	11/12/99	0	0	1	0	0	2
B-31	RA-262	1/6/99	0	0	0	0	0	1
B-31	RA-269	4/23/99	1	0	0	0	0	0
B-31	RA-313	7/2/99	0	0	0	10	0	0
B-31	RA-313	12/20/99	0	0	0	50	0	0
B-31	RA-323	3/26/99	0	0	20	0	0	0
B-31	RA-323	4/26/99	0.5	0	0	0	0	0
B-31	RA-323	6/15/99	0	0	1	0	0	0

B-31	RA-323	7/1/99	0	0	0	0	2	0
B-31	RA-323	7/7/99	0	0	0	0	2	0
B-31	RA-323	8/12/99	0	0	0	0	2	0
B-31	RA-323	8/17/99	0	0	0	0	2	0
B-31	RA-323	8/19/99	0	0	0	0	2	0
B-31	RA-323	8/26/99	0	0	0	0	2	0
B-31	RA-323	10/11/99	0	0	0	0	5	0
B-31	RA-323	11/2/99	0	0	0	0	2	0
B-31	RA-323	11/15/99	0	0	0	0	2	0
B-31	RA-323	11/17/99	0	0	0	0	6	0
B-31	RA-357	1/8/99	0	0	0	0	0	60
B-31	RA-357	1/11/99	0	0	0	0	0	50
B-31	RA-357	1/12/99	110	0	0	0	0	0
B-31	RA-357	1/13/99	2	0	0	0	0	0
B-31	RA-357	1/14/99	0	0	0	0	0	2
B-31	RA-357	1/15/99	55	0	0	0	0	22
B-31	RA-357	1/18/99	0	0	0	400	0	0
B-31	RA-357	1/19/99	0	0	0	0	0	10
B-31	RA-357	1/20/99	79	0	0	200	0	100
B-31	RA-357	1/21/99	79	0	0	0	0	101
B-31	RA-357	1/25/99	0	0	0	0	0	100
B-31	RA-357	1/26/99	70	0	0	0	0	0
B-31	RA-357	1/28/99	70	0	0	0	0	0
B-31	RA-357	2/1/99	18	0	0	0	0	0
B-31	RA-357	2/3/99	20	0	0	0	0	0
B-31	RA-357	2/4/99	10	0	0	0	0	4
B-31	RA-357	2/5/99	10	0	0	0	0	0
B-31	RA-357	2/9/99	0	0	0	0	0	20
B-31	RA-357	2/11/99	261	1	0	0	0	0
B-31	RA-357	2/12/99	81	0	0	0	0	0
B-31	RA-357	2/16/99	800	0	0	0	0	0
B-31	RA-357	2/18/99	70	0	0	0	0	0
B-31	RA-357	2/19/99	70	0	0	0	0	0
B-31	RA-357	2/24/99	60	0	0	0	0	0
B-31	RA-357	2/25/99	0	0	0	0	0	1
B-31	RA-357	2/26/99	30	0	0	0	0	0
B-31	RA-357	3/1/99	33	0	0	0	0	0
B-31	RA-357	3/2/99	0	0	0	0	0	1
B-31	RA-357	3/3/99	0	0	0	0	0	4
B-31	RA-357	3/4/99	52	0	0	0	0	0
B-31	RA-357	3/8/99	160	0	0	0	0	2
B-31	RA-357	3/9/99	160	5	0	0	0	0
B-31	RA-357	3/10/99	160	0	0	3	0	0
B-31	RA-357	3/11/99	160	0	0	0	0	4
B-31	RA-357	3/16/99	23	0	0	0	0	1
B-31	RA-357	3/17/99	25	0	0	0	0	45
B-31	RA-357	3/18/99	42	0	0	0	0	4
B-31	RA-357	3/19/99	160	0	0	0	0	3
B-31	RA-357	3/22/99	660	0	0	0	0	4
B-31	RA-357	3/23/99	160	0	0	0	0	3
B-31	RA-357	3/24/99	0	0	0	15	0	0
B-31	RA-357	3/25/99	209	0	0	0	0	0

B-31	RA-357	3/26/99	160	0	0	0	0	0
B-31	RA-357	3/29/99	160	0	0	8	0	0
B-31	RA-357	3/30/99	0	0	0	8	0	0
B-31	RA-357	3/31/99	160	0	0	21	0	0
B-31	RA-357	4/5/99	160	0	0	0	0	0
B-31	RA-357	4/7/99	0	0	0	8	0	2
B-31	RA-357	4/8/99	30	0	0	0	0	0
B-31	RA-357	4/9/99	30	0	0	0	0	0
B-31	RA-357	4/12/99	160	0	0	0	0	140
B-31	RA-357	4/13/99	160	0	0	0	0	0
B-31	RA-357	4/14/99	87	0	0	0	0	2
B-31	RA-357	4/15/99	160	0	0	1	0	0
B-31	RA-357	4/19/99	0	0	0	0	0	110
B-31	RA-357	4/21/99	6	0	0	2	0	0
B-31	RA-357	4/23/99	30	0	0	0	0	15
B-31	RA-357	4/26/99	4	0	0	0	0	1
B-31	RA-357	4/27/99	4	0	0	0	0	29
B-31	RA-357	4/28/99	0	0	0	8	0	0
B-31	RA-357	4/29/99	0	0	0	0	0	40
B-31	RA-357	4/30/99	0	0	0	0	0	240
B-31	RA-357	5/4/99	0	0	0	0	0	120
B-31	RA-357	5/5/99	0	0	0	0	0	1
B-31	RA-357	5/6/99	0	0	0	0	0	1
B-31	RA-357	5/7/99	40	0	0	0	0	0
B-31	RA-357	5/10/99	0	0	0	4	0	0
B-31	RA-357	5/11/99	0	0	0	0	0	120
B-31	RA-357	5/15/99	0	0	0	0	0	80
B-31	RA-357	5/17/99	0	0	0	0	0	16
B-31	RA-357	5/18/99	0	0	0	0	0	120
B-31	RA-357	5/19/99	0	0	0	0	0	240
B-31	RA-357	5/21/99	40	0	0	0	0	30
B-31	RA-357	5/25/99	0	0	0	0	0	120
B-31	RA-357	5/28/99	3	0	0	0	0	120
B-31	RA-357	6/1/99	0	0	0	2	0	0
B-31	RA-357	6/4/99	0	0	0	0	0	1
B-31	RA-357	6/7/99	0	0	0	0	0	6.5
B-31	RA-357	6/8/99	1	0	0	0	0	0
B-31	RA-357	6/9/99	0	0	0	0	0	1
B-31	RA-357	6/15/99	105	0	0	0	0	2
B-31	RA-357	6/17/99	15	0	0	0	0	0
B-31	RA-357	6/22/99	0	0	0	0	0	2
B-31	RA-357	6/23/99	0	0	0	0	0	10
B-31	RA-357	6/29/99	0	0	0	0	0	1.75
B-31	RA-357	7/2/99	9	0	0	0	0	0
B-31	RA-357	7/6/99	0	0	0	0	0	20
B-31	RA-357	7/8/99	529	0	0	0	0	141
B-31	RA-357	7/9/99	0	0	0	0	0	120
B-31	RA-357	7/12/99	0	0	0	0	0	122
B-31	RA-357	7/14/99	200	0	0	0	0	0
B-31	RA-357	7/15/99	10	0	0	0	0	0
B-31	RA-357	7/16/99	8	0	0	0	0	0
B-31	RA-357	7/19/99	0	0	0	171	0	0

B-31	RA-357	7/20/99	15	0	0	0	0	277
B-31	RA-357	7/21/99	0	0	0	0	0	95
B-31	RA-357	7/22/99	18	0	0	0	0	0
B-31	RA-357	7/23/99	753	0	0	0	0	40
B-31	RA-357	7/27/99	17	0	0	0	0	125
B-31	RA-357	7/28/99	0	0	0	0	0	200
B-31	RA-357	7/29/99	4	0	0	0	0	200
B-31	RA-357	7/30/99	2.5	0	0	0	0	0
B-31	RA-357	8/1/99	1	0	0	0	0	0
B-31	RA-357	8/2/99	8	0	0	0	0	1
B-31	RA-357	8/3/99	22	0	0	0	0	400
B-31	RA-357	8/6/99	0	0	0	0	0	2
B-31	RA-357	8/9/99	25	0	0	0	0	310
B-31	RA-357	8/10/99	19	0	0	0	0	0
B-31	RA-357	8/11/99	0	0	0	0	0	200
B-31	RA-357	8/12/99	0	0	0	200	0	0
B-31	RA-357	8/16/99	0	0	0	0	0	404
B-31	RA-357	8/16/99	2	0	0	250	0	2
B-31	RA-357	8/17/99	22	0	0	250	0	112
B-31	RA-357	8/18/99	0	0	0	200	0	7.5
B-31	RA-357	8/19/99	24	0	0	0	0	0
B-31	RA-357	8/23/99	20	0	0	450	0	0
B-31	RA-357	8/24/99	40	0	0	250	0	35
B-31	RA-357	8/25/99	43.5	0	0	0	0	0
B-31	RA-357	8/26/99	5	0	0	0	0	15
B-31	RA-357	8/27/99	64.2	0	0	0	0	0
B-31	RA-357	8/31/99	79.2	0	0	300	0	0
B-31	RA-357	9/1/99	79.2	0	0	0	0	45
B-31	RA-357	9/2/99	99	0	0	400	0	0
B-31	RA-357	9/7/99	0	0	0	400	0	36
B-31	RA-357	9/8/99	0	0	0	0	0	10
B-31	RA-357	9/9/99	307	0	0	0	0	0
B-31	RA-357	9/10/99	0	0	0	0	0	32
B-31	RA-357	9/13/99	5	0	0	0	0	0
B-31	RA-357	9/14/99	128	0	0	0	0	150
B-31	RA-357	9/15/99	0	0	0	0	0	40
B-31	RA-357	9/20/99	117	0	0	0	0	60
B-31	RA-357	9/21/99	60	0	0	0	0	0
B-31	RA-357	9/22/99	117	0	0	0	0	30
B-31	RA-357	9/23/99	196	0	0	0	0	2
B-31	RA-357	9/24/99	2	0	0	0	0	30
B-31	RA-357	9/27/99	139	0	0	0	0	26
B-31	RA-357	9/28/99	137	0	0	0	0	50
B-31	RA-357	9/29/99	0	0	0	0	0	20
B-31	RA-357	9/30/99	137	0	0	0	0	2
B-31	RA-357	10/1/99	137	0	0	0	0	0
B-31	RA-357	10/4/99	130	0	0	0	0	0
B-31	RA-357	10/6/99	57	0	0	0	0	60
B-31	RA-357	10/7/99	50	0	0	0	0	52
B-31	RA-357	10/8/99	2	0	0	0	0	10
B-31	RA-357	10/11/99	50	0	0	0	0	20
B-31	RA-357	10/13/99	70	0	0	0	0	70

B-31	RA-357	10/14/99	97	0	0	0	0	60
B-31	RA-357	10/18/99	2	0	0	0	0	125
B-31	RA-357	10/19/99	0	0	0	0	0	30
B-31	RA-357	10/20/99	43	0	0	0	0	30
B-31	RA-357	10/21/99	30	0	0	0	0	0
B-31	RA-357	10/22/99	211	0	0	0	0	40
B-31	RA-357	10/25/99	2	0	0	0	0	0
B-31	RA-357	10/26/99	294	0	0	200	0	30
B-31	RA-357	10/28/99	303	0	0	0	0	50
B-31	RA-357	10/29/99	2	0	0	0	0	50
B-31	RA-357	11/1/99	108	0	0	0	0	40
B-31	RA-357	11/2/99	18	0	0	0	0	0
B-31	RA-357	11/3/99	300	0	0	0	0	32
B-31	RA-357	11/4/99	30	0	0	0	0	102
B-31	RA-357	11/5/99	0	0	0	0	0	40
B-31	RA-357	11/7/99	15	0	0	0	0	0
B-31	RA-357	11/8/99	60	0	0	0	0	0
B-31	RA-357	11/9/99	432	0	0	0	0	27
B-31	RA-357	11/10/99	11	0	0	0	0	0
B-31	RA-357	11/11/99	0	0	0	60	0	120
B-31	RA-357	11/12/99	340	0	0	0	0	0
B-31	RA-357	11/15/99	400	0	0	50	0	30
B-31	RA-357	11/16/99	60	0	0	0	0	0
B-31	RA-357	11/17/99	0	0	0	0	0	1
B-31	RA-357	11/18/99	65	0	0	0	0	0
B-31	RA-357	11/23/99	648	0	0	0	0	0
B-31	RA-357	11/24/99	0	0	0	0	0	10
B-31	RA-357	11/29/99	0	0	0	0	0	40
B-31	RA-357	11/30/99	0	0	0	0	0	25
B-31	RA-357	12/1/99	0	0	0	5	0	60
B-31	RA-357	12/2/99	342	0	0	0	0	0
B-31	RA-357	12/3/99	20	0	0	0	0	0
B-31	RA-357	12/4/99	153	0	0	0	0	0
B-31	RA-357	12/7/99	213	0	0	0	0	40
B-31	RA-357	12/8/99	5	0	0	0	0	40
B-31	RA-357	12/9/99	0	0	0	0	0	20
B-31	RA-357	12/10/99	567	0	0	0	0	0
B-31	RA-357	12/13/99	0	0	0	0	0	27
B-31	RA-357	12/14/99	500	0	0	20	0	30
B-31	RA-357	12/15/99	28.5	0	0	10	0	0
B-31	RA-357	12/17/99	215	0	0	24	0	30
B-31	RA-357	12/20/99	1.5	0	0	53	0	30
B-31	RA-357	12/22/99	0	0	0	5.4	0	112
B-31	RA-357	12/28/99	0	0	0	0	0	20
B-31	RA-357	12/29/99	0	0	0	0	27	0
B-31	RA-369	1/4/99	55	0	0	0	0	0
B-31	RA-369	1/14/99	1	0	0	0	0	0
B-31	RA-369	1/25/99	70	0	0	0	0	0
B-31	RA-369	2/1/99	70	0	0	0	0	0
B-31	RA-369	2/8/99	2	0	0	0	0	0
B-31	RA-369	2/9/99	81	0	0	0	0	0
B-31	RA-369	2/15/99	2	0	0	0	0	0

B-31	RA-369	2/22/99	70	0	0	0	0	0
B-31	RA-369	3/2/99	1.6	0	0	0	0	0
B-31	RA-369	3/3/99	30	0	0	0	0	0
B-31	RA-369	6/24/99	0	0	0	0	0	30
B-31	RA-369	7/23/99	0	0	0	0	0	20
B-31	RA-369	8/2/99	1.5	0	0	0	0	0
B-31	RA-369	12/6/99	0	0	0	0	0	4
	Total in uCi		3-H	14-C	32-P	33-P	35-S	125-I
	RSO		1	0	0	0	1	0
	B-24		400.5	30	284	136	30	3801
	B-31		15275	6	23	4038	54	7050
	Total		15677	36	307	4174	85	10851

BAYER CORPORATION, WEST HAVEN, CT
EVALUATION OF DISCHARGE INTO THE SANITARY SEWER
IN COMPLIANCE WITH 10 CFR 20.2003
(All activities in uCi)
[FINAL REPORT]

CALENDAR YEAR:	1998	MONTHS:	12	DAYS PER MONTH:	30.4
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1.) Water usage: Buildings B-31 and B-24

Effluent rates are calculated from data generated by the Utilities department.

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Heffernan Drive sanitary sewer line is as follows:

*No Individual
Lab Disposal
Logs exist for
1998.*

Average gal/month:	524,065.6
Average gal/day:	17,239.0
Average ml/day:	6.53E+07

2.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	358.20	0.00	358.20	1.50E-08	1.0E-02	1.50E-06	0.00015%
C-14	0.00	0.00	0.00	0.00E+00	3.0E-04	0.00E+00	0.00000%
P-32	104.08	0.00	104.08	4.37E-09	9.0E-05	4.86E-05	0.00486%
P-33	13.94	0.00	13.94	5.86E-10	8.0E-04	7.32E-07	0.00007%
S-35	0.00	0.00	0.00	0.00E+00	1.0E-03	0.00E+00	0.00000%
CA-45	0.00	0.00	0.00	0.00E+00	2.0E-04	0.00E+00	0.00000%
I-125	4,261.42	0.00	4,261.42	1.79E-07	2.0E-05	8.95E-03	0.89507%

SUM of M.A.C. fractions:
(must not exceed unity)

9.00E-03

3.) Water usage: Building A-21

- a. The calculated discharge to the Town of West Haven's POTW by Bayer Corporation through the Morgan Lane sanitary sewer line is as follows:

Average gal/month:	
Average gal/day:	
Average ml/day:	

*No radioactive materials were
released from this facility during
calendar year 1998*

4.) Compliance with 10CFR20.2003 (2)(3)(i)(ii)

ISOTOPE	LIQ DISPOSED BY R.S.O.	LAB SINK DISPOSAL	TOTAL LIQUID TO SEWER (uCi)	MONTHLY uCi/ml	M.A.C. uCi/ml	FRACTION of M.A.C.	%
H-3	0.00	0.00	0.00	#DIV/0!	1.0E-02	#DIV/0!	#DIV/0!
P-32	0.00	0.00	0.00	#DIV/0!	9.0E-05	#DIV/0!	#DIV/0!
P-33	0.00	0.00	0.00	#DIV/0!	8.0E-04	#DIV/0!	#DIV/0!
S-35	0.00	0.00	0.00	#DIV/0!	1.0E-03	#DIV/0!	#DIV/0!

SUM of M.A.C. fractions:
(must not exceed unity)

#DIV/0!

(#DIV/0! = "0" no calculations performed due to no discharge of RAM.)

5.) Compliance with 10CFR20.2003 (a)(4)

Totals for all radionuclides released by the Bayer Corporation, West Haven facility
for the period January 1, 1998 through December 31, 1998.

TOTAL H-3:	358.20 uCi	0.0072 % OF YEAR'S LIMIT
TOTAL C-14:	0.00 uCi	0.0000 % OF YEAR'S LIMIT
ALL OTHERS:	4,379.44 uCi	0.4379 % OF YEAR'S LIMIT

Evaluated By: PETER D. BABIN

Date: May 9, 1999

Signature: [Signature]

Date: 7-1-99

The units on all sewer disposal logs are MicroCuries.

Bayer HealthCare

Pharmaceuticals
400 Morgan Lane
West Haven CT 06516
Phone: 203-812-2245
Fax: 203-812-2608



August 3, 2007

License No. 06-13053-04
Control No. 140429

Mr. Dennis Lawyer
Health Physicist
Commercial and R&D Branch
Divisions of Nuclear Regulatory Commission
Region 1
475 Allendale Road
Control #140429
King of Prussia, PA 19406-1415

SUBJECT: Bayer Pharmaceuticals Corporation, request for additional information. Concerning application for amendment to license, control no. 140429

Dear Mr. Lawyer,

As the senior executive manager for Bayer Pharmaceuticals Corporation associated with NRC license number 06-13053-04, I concur with the request for license termination and the release of the facility for unrestricted use that was sent to you on April 17, 2007 by Mr. Peter D. Babin.

Sincerely,

Dr. Joseph Catino
Senior Vice President
Bayer Pharmaceuticals Corporation

The Bayer facility located at 400 Morgan Lane in West Haven, Connecticut never had a leaking sealed source.

Surveys for RB-107C are not needed. This room was principally a storage room that was being surveyed because of it's proximity to commissioned lab RB-107. There was no active radioactivity work conducted in this room. Surveys conducted were done so to only verify that nothing was being tracked into this room and there was never any data generated to suggest that tracking did occur.

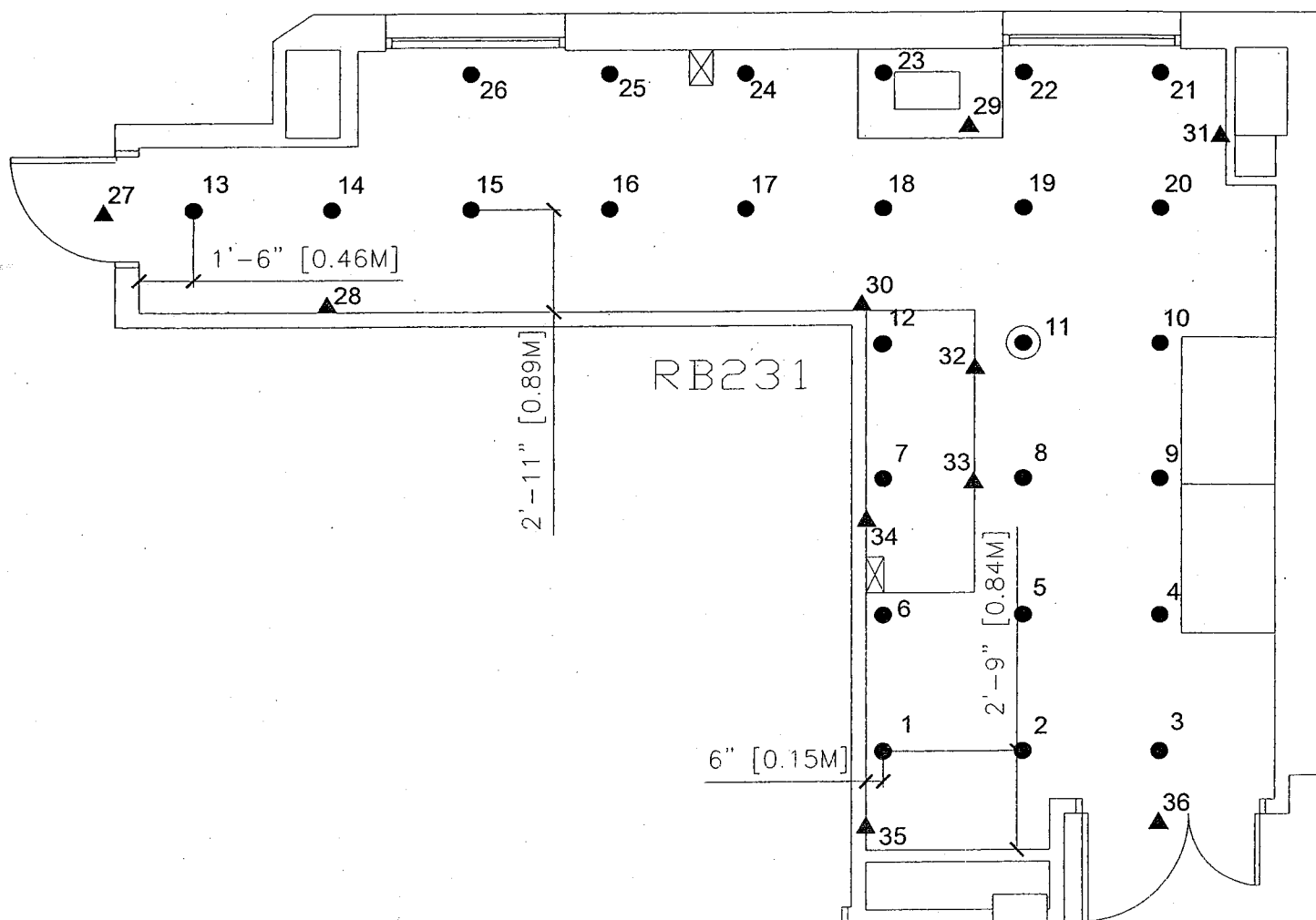
Bayer Pharmaceuticals Corporation

Radiation Contamination Survey Report

Building: B24 Survey Unit: 13 Room(s): RB231 Date: 1/24/2007 Class: 2

Instruments: Bicron Electra 1A (Ser.#5057), BP19DD Detector, Calibrated on 10/5/06
 Bicron Electra 1A (Ser.#4807), GP13B Detector, Calibrated on 2/17/06
 Ludlum 2221 (Ser. #149981), w/ 43-37 Detector, Calibrated on 6/16/06

Surveyor: Tracie M. Clemons, Vicki Litton



Philotechnics Analytical Worksheet

Appendix G

Bayer Pharmaceuticals
400 Morgan Lane, West Haven, CT 06516

6	B12	430	5170	27	232	1500 ± 57	1497 ± 197	<DCGL
7	B12	428	5460	25	522	1389 ± 57	3368 ± 200	<DCGL
8	B12	468	5590	65	652	3611 ± 58	4206 ± 201	<DCGL
9	B12	452	4850	49	-88	2722 ± 57	-568 ± 194	<DCGL
10	B12	328	4860	-75	-78	-4167 ± 53	-503 ± 194	<DCGL
11	B12	360	5000	-43	62	-2389 ± 54	400 ± 195	<DCGL
12	B12	366	4170	-37	-768	-2056 ± 54	-4955 ± 187	<DCGL
13	B12	330	3710	-73	-1228	-4056 ± 53	-7923 ± 182	<DCGL
14	B12	474	4560	71	-378	3944 ± 58	-2439 ± 191	<DCGL
15	B12	298	2640	-105	-2298	-5833 ± 52	-14826 ± 171	<DCGL
16	B12	390	4770	-13	-168	-722 ± 55	-1084 ± 193	<DCGL
17	B12	350	3430	-53	-1508	-2944 ± 54	-9729 ± 179	<DCGL
18	B12	406	5630	3	692	167 ± 56	4465 ± 201	<DCGL
19	B12	572	8400	169	3462	9389 ± 61	22335 ± 226	<DCGL
20	B12	444	5710	41	772	2278 ± 57	4981 ± 202	<DCGL

Survey Unit 13		Beta Background 342				Gamma Background 1970				
Sample	Type	Gross CPM Beta	Gross CPM Gamma	Net CPM Beta Gamma		DPM / 100 CM2 Beta	± 1.96 Sig Beta	DPM / 100 CM2 Gamma	± 1.96 Sig Gamma	
1	B13	318	2096	-24	126	-1333	± 50	813	± 125	<DCGL
2	B13	328	2238	-14	268	-778	± 51	1729	± 127	<DCGL
3	B13	336	2370	-6	400	-333	± 51	2581	± 129	<DCGL
4	B13	320	2330	-22	360	-1222	± 50	2323	± 129	<DCGL
5	B13	332	2222	-10	252	-556	± 51	1626	± 127	<DCGL
6	B13	272	2374	-70	404	-3889	± 49	2606	± 129	<DCGL
7	B13	290	878	-52	-1092	-2889	± 49	-7045	± 105	<DCGL
8	B13	392	2330	50	360	2778	± 53	2323	± 129	<DCGL
9	B13	314	2342	-28	372	-1556	± 50	2400	± 129	<DCGL
10	B13	320	2428	-22	458	-1222	± 50	2955	± 130	<DCGL
11	B13	340	2486	-2	516	-111	± 51	3329	± 131	<DCGL
12	B13	254	978	-88	-992	-4889	± 48	-6400	± 106	<DCGL
13	B13	260	2402	-82	432	-4556	± 48	2787	± 130	<DCGL
14	B13	278	2350	-64	380	-3556	± 49	2452	± 129	<DCGL
15	B13	310	2376	-32	406	-1778	± 50	2619	± 129	<DCGL
16	B13	322	2358	-20	388	-1111	± 51	2503	± 129	<DCGL
17	B13	318	2356	-24	386	-1333	± 50	2490	± 129	<DCGL
18	B13	340	2206	-2	236	-111	± 51	1523	± 127	<DCGL
19	B13	340	2612	-2	642	-111	± 51	4142	± 133	<DCGL
20	B13	262	2338	-80	368	-4444	± 48	2374	± 129	<DCGL
21	B13	330	2434	-12	464	-667	± 51	2994	± 130	<DCGL
22	B13	382	2362	40	392	2222	± 53	2529	± 129	<DCGL
23	B13	402	2186	60	216	3333	± 53	1394	± 126	<DCGL
24	B13	388	1288	46	-682	2556	± 53	-4400	± 112	<DCGL
25	B13	328	2638	-14	668	-778	± 51	4310	± 133	<DCGL
26	B13	380	2676	38	706	2111	± 53	4555	± 134	<DCGL
27	B13	292	1250	-50	-720	-2778	± 49	-4645	± 111	<DCGL
28	B13	250	1190	-92	-780	-5111	± 48	-5032	± 110	<DCGL
29	B13	334	1398	-8	-572	-444	± 51	-3690	± 114	<DCGL
30	B13	252	1230	-90	-740	-5000	± 48	-4774	± 111	<DCGL
31	B13	258	1340	-84	-630	-4667	± 48	-4065	± 113	<DCGL
32	B13	292	1274	-50	-696	-2778	± 49	-4490	± 112	<DCGL
33	B13	326	1698	-16	-272	-889	± 51	-1755	± 119	<DCGL
34	B13	266	948	-76	-1022	-4222	± 48	-6594	± 106	<DCGL
35	B13	260	1138	-82	-832	-4556	± 48	-5368	± 109	<DCGL
36	B13	258	1232	-84	-738	-4667	± 48	-4761	± 111	<DCGL

Survey Unit 14	Beta Background 416	Gamma Background 3280
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Bayer will follow the 10 CFR 31.5 requirements for the transfer of the generally licensed items remaining at the site that are being transferred to the new owner.