Box 13-1-24 1662

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

Jack Buddenbaum / K-25 SR

Requestor — Document Center (is requested to provide the following document)

Date of request 3/22/95 — Expected receipt of document 4/7/95

Document number _____ — Date of document ~~Sept~~ 1980 - 1989

Title and author (if document is unnumbered)

Monthly Air Sample Reports for 1980 - 1989 ~~Sept 1987~~

Please Copy only sample pages (marked w/stickies)

(This section to be completed by Document Center)

Date request received 3/27/95

Date submitted to ADC 4/3/95

Date submitted to HSA Coordinator 3/27/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 4/3/95

Date received from CICO 4/24/95

Date submitted to ChemRisk/Shonka and DOE 4/25/95

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received _____

Signature _____

Copied sample pages

K/EM-110

MONTHLY AIR SAMPLE REPORTS FOR 1980-1989

Indoor

(From Box #13-1-24)

Compiled by
S. G. Thornton
Environmental Management Division
OAK RIDGE K-25 SITE
for the Health Studies Agreement

April 1, 1995

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7101
managed by MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the U.S. DEPARTMENT OF ENERGY
under Contract DE-AC05-84OR21400

This document has been approved for release to the public by:

Technical Information Officer 4/23/95
Date
Oak Ridge K-25 Site

LONG TERM AIR SAMPLES - MONTHLY SUMMARY Sept. 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	20	741			7.7	0.4	0.9
K-402-9 Alum Trap	20	741			31.5	1.6	6.5
K-402-9 Naf Trap	20	740.5			12.3	0.6	2.4
K-402-9 Scrubber	20	740.2			33.1	1.7	9.6
K-402-9 Cell Flr	20	740.3			18.9	0.9	3.6
K-1423 N Transfer	20	749			20.2	1.0	3.6
K-1423 Autoclave	20	749			13.9	0.7	2.8
K-1420 C East	20	743			14.1	0.7	3.8
K-1420 Pigtail	20	743			26.5	1.3	6.8
K-1420 C-Pan	20	743			8.5	0.4	1.3
K-1037 EB #1	20	744			8.6	0.4	1.9
K-1413	20	749			8.5	0.4	3.7
K-1004-A Rm 23	20	744			44.4	2.2	10.5
K-1004-L Rm 25	20	748			3.8	0.2	1.1
K-1004-L Rm 105	20	748			7.8	0.4	3.5
K-1413 Special	20	749			5.6	0.3	1.2
K-1037 GB Area	20	744			5.2	0.3	0.8
K-1210 A D/S	20	744			2.8	0.1	1.0
K-1419 Sludge	20	743			2.5	0.1	0.4
K-1037 Mech. Lab	20	744			5.8	0.3	2.1
K-1037 GB Room	20	744			10.0	0.5	3.0
K-1037 CTC AREA	20	745			3.8	0.2	0.5
K-1413 GLOVE BOX	12	734.2			1.7	0.1	0.3
TOTAL	452	17,110.2			297.2	0.7	10.5

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

Bobby Hodge

LONG TERM AIR SAMPLES - MONTHLY SUMMARY AUGUST 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	23	745			7.9	0.3	1.4
K-402-9 Alum Trap	22	745			15.8	0.7	4.3
K-402-9 Naf Trap	22	745			6.4	0.3	1.8
K-402-9 Scrubber	22	745			13.5	0.6	4.2
K-402-9 Cell Flr	22	745			8.5	0.4	2.3
K-1423 N Transfer	23	738			10.7	0.5	2.9
K-1423 Autoclave	23	738			8.9	0.4	2.4
K-1420 C East	22	746			5.3	0.2	0.6
K-1420 Pigtail	22	746			11.7	0.5	3.8
K-1420 C-Pan	22	746			4.6	0.2	0.6
K-1037 EB #1	22	744			5.5	0.3	1.3
K-1413	23	743			3.7	0.2	0.7
K-1004-A Rm 23	23	746			31.8	1.4	12.4
K-1004-L Rm 25	23	744			2.3	0.1	0.2
K-1004-L Rm 105	23	744			2.7	0.1	0.5
K-1413 Special	23	743			6.5	0.3	1.3
K-1037 GB Area	22	744			3.6	0.2	0.8
K-1210 A D/S	23	744			2.3	0.1	0.3
K-1419 Sludge	22	746			2.4	0.1	0.4
K-1037 Mech. Lab	22	744			1.8	0.08	0.1
K-1037 GB Room	22	744			10.5	0.5	2.7
K-1037 C.T.C.	22	744			2.6	0.1	0.4
TOTAL	493	16,369			169.0	0.3	12.4

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

B. Hodge

LONG TERM AIR SAMPLES - MONTHLY SUMMARY JULY 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	17	647.0			6.7	0.4	1.4
K-402-9 Alum Trap	18	651.7			21.4	1.2	5.5
K-402-9 Naf Trap	18	651.2			5.8	0.3	1.9
K-402-9 Scrubber	18	651.8			12.6	0.7	4.4
K-402-9 Cell Flr	18	651.8			9.9	0.6	2.6
K-1423 N Transfer	16	654.3			12.2	0.8	4.4
K-1423 Autoclave	16	654.3			10.3	0.6	4.4
K-1420 C East	19	646.6			5.4	0.3	0.8
K-1420 Pigtail	19	646.7			4.6	0.2	0.8
K-1420 C-Pan	19	646.8			6.7	0.4	1.2
K-1037 EB #1	19	647.8			6.3	0.3	2.1
K-1413	16	649.0			3.4	0.2	1.1
K-1004-A Rm 23	17	647.0			5.1	0.3	1.3
K-1004-L Rm 25	16	649.0			1.6	0.1	0.4
K-1004-L Rm 105	16	649.0			2.4	0.2	1.0
K-1413 Special	16	649.0			6.3	0.4	1.3
K-1037 GB Area	19	648.0			4.3	0.2	1.6
K-1210 A D/S	17	646.8			1.5	0.09	0.2
K-1419 Sludge	19	645.4			2.1	0.1	0.4
K-1037 Mech. Lab	19	648.0			3.0	0.2	0.8
K-1037 GB Room	19	648.0	1	5%	193.1	10.2	180.3
K-1037 CTC Area	9	311.4			1.5	0.2	0.6
TOTAL	380	13,941.0	1	<1%	326.2	1.0 ~~1.2~~ BH 8/14/89	180.3

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

LONG TERM AIR SAMPLES - MONTHLY SUMMARY JUNE 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	20	817.4			5.4	0.3	0.8
K-402-9 Alum Trap	22	816.7			15.3	0.7	4.4
K-402-9 Naf Trap	22	816.7			4.5	0.2	1.2
K-402-9 Scrubber	22	816.7			8.1	0.4	2.8
K-402-9 Cell Flr	22	816.8			6.8	0.3	1.7
K-1423 N Transfer	22	813.7			8.0	0.4	2.1
K-1423 Autoclave	22	813.6			7.9	0.4	1.9
K-1420 C East	22	817.9			4.9	0.2	0.6
K-1420 Pigtail	22	817.9			4.1	0.2	1.0
K-1420 C-Pan	22	817.8			5.9	0.3	1.1
K-1037 EB #1	23	866.0			5.1	0.2	0.9
K-1413	22	813.5			2.5	0.1	0.5
K-1004-A Rm 23	21	817.0			9.0	0.4	4.5
K-1004-L Rm 25	22	815.9			2.1	0.1	0.3
K-1004-L Rm 105	22	815.9			2.9	0.1	0.4
K-1413 Special	22	813.6	2	9%	21.2	1.0	4.3
K-1037 GB Area	22	816.3			2.5	0.1	0.4
K-1210 A D/S	22	816.1			2.1	0.1	0.3
K-1419 Sludge	22	819.1			1.9	0.09	0.3
K-1037 Mech. Lab	22	818.0			3.4	0.2	1.3
K-1037 GB Room	22	818.0	1	4%	12.4	0.6	7.5
TOTAL	460	17,195.0	3	<1%	136.0	0.3	7.5

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

LONG TERM AIR SAMPLES - MONTHLY SUMMARY May 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	20	741.0			6.6	0.3	0.8
K-402-9 Alum Trap	20	744.7			11.3	0.6	2.3
K-402-9 Naf Trap	20	744.9			3.5	0.2	0.6
K-402-9 Scrubber	20	744.8			8.9	0.5	2.3
K-402-9 Cell Flr	20	744.7			7.8	0.4	1.7
K-1423 N Transfer	20	745.9			8.7	0.4	2.1
K-1423 Autoclave	20	746.0			7.7	0.4	1.5
K-1420 C East	20	743.0			5.2	0.3	0.8
K-1420 Pigtail	20	743.0			3.6	0.2	0.8
K-1420 C-Pan	20	743.0			4.8	0.2	0.5
K-1037 EB #1	20	742.2			5.5	0.3	1.0
K-1413	20	745.8			4.0	0.2	0.9
K-1004-A Rm 23	20	741.0			3.4	0.2	0.6
K-1004-L Rm 25	20	743.0			2.1	0.1	0.3
K-1004-L Rm 105	20	743.0			3.0	0.2	0.6
K-1413 Special	20	746.0			19.9	1.0	2.5
K-1037 GB Area	20	743.9			2.8	0.1	0.4
K-1210 A D/S	20	742.3			2.2	0.1	0.3
K-1419 Sludge	20	741.8			2.0	0.1	0.3
K-1037 Mech. Lab	20	742.2			4.0	0.2	0.9
K-1037 GB Room	20	742.2			3.0	0.2	0.5
TOTAL	420	15,614.4			120.0	0.3	2.5

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

Hodge 6/25/89

LONG TERM AIR SAMPLES - MONTHLY SUMMARY APRIL 1989

Sample Location	Number Taken	Total Duration (hr)	Number >IAL	% IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	12	649.8			5.2	0.4	0.8
K-402-9 Alum Trap	12	673.8			8.3	0.7	1.5
K-402-9 Naf Trap	12	672.8			3.0	0.3	0.6
K-402-9 Scrubber	12	672.9			7.1	0.6	2.0
K-402-9 Cell Flr	12	672.9			6.0	0.5	1.2
K-1423 N Transfer	12	672.9			7.2	0.6	1.6
K-1423 Autoclave	12	672.9			6.3	0.5	1.4
K-1420 C East	12	672.9			3.1	0.3	0.6
K-1420 Pigtail	12	672.9			3.4	0.3	0.6
K-1420 C-Pan	12	672.9			2.1	0.2	0.4
K-1037 EB #1	13	650.0			3.8	0.3	0.7
K-1413	12	672.0			1.8	0.2	0.5
K-1004-A Rm 23	12	673.8			3.7	0.3	0.9
K-1004-L Rm 25	12	673.8			0.8	0.07	0.2
K-1004-L Rm 105	12	673.8			2.1	0.2	0.3
K-1413 Special	12	672.9			8.3	0.7	1.8
K-1037 GB Area	12	674.0			1.9	0.2	0.3
K-1210 A D/S	12	673.8			1.0	0.08	0.2
K-1419 Sludge	12	673.8			0.9	0.08	0.3
K-1037 Mech. Lab	12	673.9			1.1	0.09	0.3
K-1037 GB Room	12	650.0	1	7/20/89 8%	15.3	1.3	12.2
TOTAL	253	14,068.5	1	<1%	92.4	0.4	12.2

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

LONG TERM AIR SAMPLES - MONTHLY SUMMARY March 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	11	785.2			8.4	0.8	3.9
K-402-9 Alum Trap	11	787.9			5.4	0.5	1.3
K-402-9 Naf Trap	11	787.1			2.0	0.2	0.6
K-402-9 Scrubber	11	787.0			6.5	0.6	1.7
K-402-9 Cell Flr	11	786.8			3.6	0.3	0.9
K-1423 N Transfer	11	787.0			6.8	0.6	1.9
K-1423 Autoclave	11	788.0			4.1	0.4	1.2
K-1420 C East	15	787.0			4.3	0.3	0.8
K-1420 Pigtail	15	787.0			3.3	0.2	0.5
K-1420 C-Pan	15	787.0			3.0	0.2	0.4
K-1037 EB #1	15	787.0			4.2	0.3	0.9
K-1413	15	787.0			3.3	0.2	0.9
K-1004-A Rm 23	11	787.3			4.7	0.4	1.9
K-1004-L Rm 25	11	787.3			0.60	0.05	0.2
K-1004-L Rm 105	11	787.3			1.4	0.1	0.4
K-1413 Special	15	787.0	2	13%	35.8	2.4	13.2
K-1037 Grit Blast Area	8	503.0			1.0	0.1	0.3
K-1210A Down Stairs	9	577.4			0.80	0.09	0.2
K-1419 Sludge Fixation	6	454.2			0.50	0.08	0.3
K-1037 Mechanical Lab	6	431.7			0.60	0.10	0.3
K-1037 Grit Blast Room	0	0			0	0	0
					100.3 PBL	.4 PBL	
TOTAL	229	14,559.2	2	<1%	~~925.2~~	~~4.04~~	13.2

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

Technician: B. Hodge
Date: 4/14/89

LONG TERM AIR SAMPLES - MONTHLY SUMMARY February 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	12	676.5			4.4	0.3	0.7
K-402-9 Alum Trap	12	676.6			7.4	0.6	1.5
K-402-9 Naf Trap	12	676.4			3.8	0.3	1.4
K-402-9 Scrubber	12	676.5			7.9	0.7	2.0
K-402-9 Cell Flr	12	676.7			5.1	0.4	1.3
K-1423 N Transfer	12	676.6			7.7	0.6	1.5
K-1423 Autoclave	12	676.5			5.9	0.5	1.0
K-1420 C East	19	676.5			7.2	0.4	1.0
K-1420 Pigtail	19	676.5			17.7	0.9	4.1
K-1420 C-Pan	19	676.5			9.3	0.5	2.2
K-1037 EB #1	19	676.5			7.7	0.4	1.1
K-1413	19	676.5			11.1	0.6	2.5
K-1004-A Rm 23	12	676.5			3.7	0.3	0.9
K-1004-L Rm 25	12	676.4			0.7	0.06	0.2
K-1004-L Rm 105	12	676.5			1.6	0.1	0.4
K-1413 Special	19	676.5			29.6	1.6	8.7
TOTAL	234	10,824.2			130.8	0.56	8.7

Activity - d/m/m3

Air Samples are 24 hours or longer in duration

LONG TERM AIR SAMPLES - MONTHLY SUMMARY Jan. 1989

Sample Location	Number Taken	Total Duration(hr)	Number >IAL	% >IAL	Total Activity	Average Activity	Max.
K-1015 Laundry	13	695.7			6.6	0.5	1.0
K-402-9 Alum Trap	13	695.0			12.6	1.0	2.0
K-402-9 Naf Trap	13	695.0			6.6	0.5	1.2
K-402-9 Scrubber	13	695.0			13.6	1.0	2.6
K-402-9 Cell Flr	13	695.0			9.3	0.7	2.0
K-1423 N Transfer	13	695.0			11.7	0.9	1.8
K-1423 Autoclave	13	695.0			12.6	1.0	2.3
K-1420 C East	21	695.0			9.6	0.5	1.1
K-1420 Pigtail	21	695.0			42.9	2.0	5.2
K-1420 C-Pan	21	695.0			38.6	1.8	9.9
K-1037 EB #1	21	695.0			13.5	0.6	3.6
K-1413	21	695.0			21.3	1.0	3.0
K-1004-A Rm 23	13	695.0			17.0	1.3	12.4
K-1004-L Rm 25	13	695.0			1.1	0.08	0.2
K-1004-L Rm 105	13	695.0			2.1	0.2	0.4
K-1413 Special	21	695.0			47.8	2.3	8.9
TOTAL	256	11,120.7			266.9	1.0	12.4

Activity - d/m/m3

Air Samples are 24 hours or longer in duration