1447

SUMMARY OF HEALTH PHYSICS DATA
SHIFT-LENGTH AIR SAMPLES-1967

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

D B Gillilan 4/17/95
Technical Information Officer Date
Oak Ridge K-25 Site

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7314
managed by
MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the U.S. DEPARTMENT OF ENERGY
under Contract DE-AC05-84OR21400

ChemRisk Document No. 1447

4th Quarter, 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	234	0	0	23.18	0.10
K1413	234	0	0	23.18	0.10
MAINTENANCE	183	0	0	14.99	0.08
K-1401	No valid readings				
K-131	183	0	0	14.99	0.08
All Others					
PRODUCTION	2194	2	0.09	376.[illegible]	0.17
K-1420 Bldg.	1040	1	0.10	271.33	0.26
K-413 Bldg.	194	0	0.	17.74	0.07
K-601 Sampling Room	303	1	0.49	35.78	0.17
K-1131 Building	251	0	0.	16.36	0.07
K-631 Building	375	0	0.	30.48	0.08
All Others K3141	130	0.	0	9.93	0.08
PLANT	2611	2	0.08	414.69	0.16

This document has been reviewed for classification and has been determined to be UNCLASSIFIED.
J. C. Johnson
ADC Signature
4-5-95
Date

December, 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	80	0	0	9.73	0.14
K-1413 West Room	80	0	0	9.73	0.14
MAINTENANCE	—	—	—	—	—
K-1401	No valid Readings				
K-131	Taken out of Service (Painting of Shop)				
All Others					
PRODUCTION	565	0	0	108.98	0.19
K-1420 Bldg.	313	0	0	87.31	0.28
K-413 Bldg.	37	0	0	3.30	0.09
K-601 Sampling Room	25	0	0	5.81	0.23
K-1131 Building	69	0	0	4.56	0.07
K-631 Building (10 Ton Rm Shipping Rm)	121	0	0	7.99	0.07
All Others					
PLANT	645	0	0	118.41	0.18

November, 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	90	0	0	8.05	0.09
K-1413 West Rm -	90	0	0	8.05	0.09
MAINTENANCE	90	0	0	14.49	0.16
K-1401 No valid readings					
K-131	90	0	0	14.49	0.16
All Others					
PRODUCTION	738	1	0.1	106.33	0.14
K-1420 Bldg.	355	0	0	73.74	0.21
K-413 Bldg.	64	0	0	2.59	0.04
K-601 Sampling Room	90	1	1.11	13.40	0.15
K-1131 Building	89	0	0	4.93	0.06
K-631 Building 10 Ton & 2 Ton Cylinder Rm	99	0	0	7.94	0.08
All Others K-311-1 Operating Fl.	41	0	0	3.73	0.09
~~K-[illegible]~~ - Storage Area	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
PLANT	918	1	0.1	128.87	0.14

Oct. 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	64	0	0	5.90	0.09
K-1413	64	0	0	5.90	0.09
MAINTENANCE	93	0	0	0.50	0.005
K-1401	No valid readings				
K-131	93	0	0	0.50	0.005
All Others					
PRODUCTION	891	1	0.1	161.21	0.18
K-1420 Bldg.	372	1	0.3	110.67	0.30
K-413 Bldg.	93	0	0	6.85	0.74
K-601 Sampling Room	88	0	0	16.07	0.18
K-1131 Building	93	0	0	6.87	0.07
K-631 Building 10 TON & 2 TON Cyl. Rms.	155	0	0	14.55	0.09
All Others					
K-311-1	90	0	0	6.20	0.07
PLANT	1048	1	0.1	167.61	0.16

3rd Quarter '67

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL					
K-1413	No valid Readings				
MAINTENANCE	255	0	0.00	12.05	0.05
K-1401	No valid Readings				
K-131	255	0	0.00	12.05	0.05
All Others					
PRODUCTION	2358	4	0.17	377.17	0.16
K-1420 Bldg.	1060	1	0.09	196.13	0.19
K-413 Bldg.	241	0	0.00	29.70	0.12
K-601 Sampling Room	90	1	1.11	20.12	0.22
K-1131 Building	260	2	0.77	57.32	0.22
K-631 Building with Bravoe Cus 10 Tons Rm	366	0	0.00	38.41	0.10
~~All Others~~ K 311-1 Opr Floor	157	0	0.00	13.02	0.08
Vault 8A-	162	0	0.00	20.26	0.13
K-1423	22	0	0.00	2.21	0.10
PLANT	2613	4	0.15	389.22	0.15

Sept. 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL					
K-1413	No Valid Readings				
MAINTENANCE	90	0	0	0.79	0.009
K-1401	No Valid readings				
K-131	90	0	0	0.79	0.009
All Others					
PRODUCTION	838	1	0.001	144.46	0.17
K-1420 Bldg.	347	0	0	73.33	0.21
K-413 Bldg.	86	0	0	12.34	0.14
K-601 Sampling Room	90	1	1	20.12	0.22
K-1131 Building	90	0	0	7.64	0.08
K-631 Building - withdrawal & 10 Ton Cy. Room	161	0	0	25.68	0.16
All Others K-311-1	64	0	0	5.35	0.08
PLANT	928	1	0.001	145.25	0.16

August 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL K-1413	No valid readings				
MAINTENANCE	73	0	0	5.64	0.08
K-1401	No valid readings				
K-131	73.	0	0	5.64	0.08
All Others					
PRODUCTION	870	1	0.17	118.65	0.14
K-1420 Bldg.	363	1	0.28	74.76	0.21
K-413 Bldg.	93	0	0	9.47	0.10
K-601 Sampling Room	No valid readings				
K-1131 Building	97	0	0	9.99	0.11
K-631 Building Withdrawer line 10 Ton Rm	117	0	0	7.29	0.06
~~All Others~~ K311-1 Operating Fl.	93	0	0	7.67	0.08
Vault 8-A	70	0	0	7.76	0.10
K-1473	27	0	0	2.21	0.10
PLANT	923	1	0.11	124.29	0.13

July 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL					
K-1413	No Valid Readings				
MAINTENANCE	97	0	0	5.62	0.06
K-1401	No Valid Readings				
K-131	97	0	0	5.62	0.06
All Others					
PRODUCTION	670	2	0.30	114.06	0.17
K-1420 Bldg.	350	0	0	48.04	0.14
K-413 Bldg.	62	0	0	7.89	0.13
K-601 Sampling Room	No Valid Readings				
K-1131 Building	78	2	2.5	39.69	0.51
K-631 Building	88	0	0	5.44	0.06
All Others Vault 8-A	97	0	0	13.00	0.14
PLANT	762	2	0.26	119.68	0.16

2nd Quarter '67

SHIFT-LENGTH AIR SAMPLES

LOCATION		No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	K-1413	No Valid Readings				
MAINTENANCE		463	0	0	90.39	0.21
K-1401		194	0	0	66.28	0.34
K-131		269	0	0	24.11	0.09
All Others						
PRODUCTION		2042	0	0	329.28	0.16
K-1420 Bldg.		1010	0	0	183.75	0.18
K-413 Bldg.		181	0	0	26.94	0.15
K-601 Sampling Room		137	0	0	10.12	0.07
K-1131 Building		193	0	0	32.99	0.17
K-631 Building		231	0	0	41.55	0.18
All Others	K-33 Transfer station	179	0	0	16.97	0.09
	Vault 8-A	111	0	0	39.13	0.35
PLANT		2505	0	0	419.67	0.17

Jan 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION		No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	K-1413	No Valid Readings				
MAINTENANCE		113	0	0	8.41	0.08
K-1401		23	0	0	0.58	0.03
K-131		90	0	0	8.03	0.09
All Others						
PRODUCTION		665	0	0	108.94	0.16
K-1420 Bldg.		334	0	0	48.80	0.15
K-413 Bldg.		No Valid Readings				
K-601 Sampling Room		No Valid Readings				
K-1131 Building		90	0	0	24.70	0.27
K-631 Building		74	0	0	2.53	0.03
All Others	K-33 Transfer St.	77	0	0	4.96	0.06
	Vault 8A	90	0	0	27.95	0.31
PLANT		778	0	0	117.55	0.15

MAY-196

SHIFT-LENGTH AIR SAMPLES

LOCATION		No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	KWIE	NO VALID READINGS				
MAINTENANCE		171	0	0	64.46	0.38
K-1401		84	0	0	59.70	0.70
K-131		89	0	0	6.46	0.07
All Others						
PRODUCTION		666	0	0	99.76	0.15
K-1420 Bldg.		354	0	0	64.00	0.18
K-413 Bldg.		91	0	0	11.33	0.12
K-601 Sampling Room		62	0	0	4.30	0.07
K-1131 Building		44	0	0	3.39	0.08
K-631 Building		67	0	0	5.47	0.08
All Others	K-33 Transfer Station	27	0	0	2.09	0.08
	VAULT 8A	21	0	0	11.18	0.53
PLANT		837	0	0	164.07	0.20

April 196[illegible]

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL K1412	No [illegible]				
MAINTENANCE	179	0	0	17.52	0.10
K-1401	89	0	0	8.00	0.09
K-131	90	0	0	9.52	0.11
All Others					
PRODUCTION	711	1	0.14	120.58	0.17
K-1420 Bldg.	322	0	0	72.95	0.23
K-413 Bldg.	90	1	1.11	15.61	0.17
K-601 Sampling Room	75	0	0	5.82	0.08
K-1131 Building	59	0	0	4.90	0.08
K-631 Building	90	0	0	11.38	0.13
All Others - K-33 Transfer Station	75	0	0	9.92	0.13
PLANT	890	1	0.11	138.10	0.16

1st Quarter '67

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL K1413	47	0	0	2.86	0.06
MAINTENANCE	527	1	0.19	85.59	0.16
K-1401	264	0	0	35.90	0.14
K-131	263	1	0.38	49.69	0.19
All Others					
PRODUCTION	1876	9	0.48	311.73	0.17
K-1420 Bldg.	1027	2	0.19	205.78	0.20
K-413 Bldg.	234	0	0	8.63	0.04
K-601 Sampling Room	35	0	0	6.24	0.18
K-1131 Building	169	0	0	21.08	0.12
K-631 Building	194	0	0	22.69	0.12
All Others K-33 Transfer Station	217	7	3.23	47.31	0.22
PLANT	2450	10	0.41	400.18	0.16

March 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION		No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL	K1413	47	0	0	2.86	0.06
MAINTENANCE		183	0	0	21.24	0.12
K-1401		90	0	0	4.37	0.05
K-131		93	0	0	16.87	0.18
All Others						
PRODUCTION		649	8	1.23	146.42	0.23
K-1420 Bldg.		368	1	0.27	89.79	0.24
K-413 Bldg.		61	0	0	3.02	0.05
K-601 Sampling Room		35	0	0	6.24	0.18
K-1131 Building		36	0	0	3.04	0.08
K-631 Building		56	0	0	3.84	0.07
All Others	K-33 TRANSFER STATION	93	7	7.53	40.51	0.44
PLANT		879	8	0.91	170.54	0.19

February 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL K-1413 NO VALID SAMPLES					
MAINTENANCE	165	1	0.61	32.02	0.19
K-1401	81	0	0	16.23	0.20
K-131	84	1	1.19	15.79	0.19
All Others					
PRODUCTION	574	1	0.17	81.14	0.14
K-1420 Bldg.	314	1	0.32	62.58	0.20
K-413 Bldg.	81	0	0	2.25	0.03
K-601 Sampling Room	NO VALID SAMPLES				
K-1131 Building	54	0	0	7.03	0.13
K-631 Building	45	0	0	5.59	0.12
All Others K33 Trans. Station	80	0	0	3.69	0.05
PLANT	739	2	0.27	113.16	0.15

January 1967

SHIFT-LENGTH AIR SAMPLES

LOCATION	No. Taken	No. > PAL	% > PAL	Tot. Act. (c/m/ft^3)	Av. Act. (c/m/ft^3)
TECHNICAL K-1413 NO VALID SAMPLES					
MAINTENANCE	179	0	0	32.33	0.18
K-1401	93	0	0	15.30	0.16
K-131	86	0	0	17.03	0.20
All Others					
PRODUCTION	653	0	0	84.17	0.13
K-1420 Bldg.	345	0	0	53.41	0.15
K-413 Bldg.	92	0	0	3.36	0.04
K-601 Sampling Room NO VALID SAMPLES					
K-1131 Building	79	0	0	11.01	0.14
K-631 Building	93	0	0	13.28	0.14
All Others K-33 Trans-Station	44	0	0	3.11	0.07
PLANT	832	0	0	116.50	0.14