

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A
Requestor Document Center (is requested to provide the following document)

Date of request ~~6/14/96~~ 6/14/96 Expected receipt of document ~~6/14/96~~ 7/14/96

Document number _____ Date of document 1957

Title and author (if document is unnumbered) Air Pollution Study Documents
See in folder V. Plant Safety Program

⇒ copy marked documents (4)

(This section to be completed by Document Center)

Date request received 6/19/96

Date submitted to ADC 7/3/96

Date submitted to HSA Coordinator 6/19/96

(This section to be completed by HSA Coordinator)

Date submitted to CICO 7/3/96

Date received from CICO 7/22/96

Date submitted to ChemRisk/Shonka and DOE 7/31/96

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

Date document received _____

Signature _____

2939

RECEIVED
D.M.LANG

INTER-COMPANY CORRESPONDENCE
UNION CARBIDE NUCLEAR COMPANY
Division of Union Carbide Corporation

51
1958 JAN -2 AM 10:29

To: E. C. Bollinger
✓ D. M. Lang
H. G. P. Snyder

Plant: Oak Ridge Gaseous Diffusion
Date: December 30, 1957

Copies To: A. L. Allen J. B. Nuchols
R. H. Dyer C. M. Preston
J. Dykstra H. M. Preuss
J. M. Ellis G. T. E. Sheldon
H. L. Fellers S. H. Smiley
I. C. Flanders A. Varlan
R. L. Newton ORGDP Medical Dept. RC

Subject: Plant Air Effluent Emission

RECEIVED
WORKS
LABORATORY

1958 JAN 7 PM 3:40

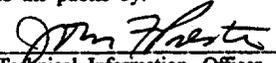
Attached is a schedule of dates on which effluent data is needed for the ORGDP Air Pollution Study. This information is needed from 4 P.M. on the days listed until 4 P.M. on the following day. In order to standardize the data and make it more meaningful, it would be appreciated if you could report this information in terms of pounds of contaminant per shift. Evaluation of this data will be expedited if the reports could be prepared and forwarded to the Industrial Hygiene Department immediately after the sampling period.


T. L. Ray, M.D.

TLR:nrd

Attachment

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

 7/24/86
Technical Information Officer Date
Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

AIR POLLUTION SAMPLING SCHEDULE

JANUARY 8
16
24

FEBRUARY 1
9
17
25

MARCH 5
13
21
29

APRIL 6
14
22
30

MAY 8
16
24

JUNE 1
9
17
25

JULY 3
11
19
27

AUGUST 4
12
20
28

SEPTEMBER 5
13
21
29

OCTOBER 7
15
23
31

NOVEMBER 8
16
24

DECEMBER 2
10
18
26

1957 DEC 24 PM 1:10

Mailed 1/3

1.3.1

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: December 24, 1957

Copies To: Mr. J. C. Barton
Mr. P. R. Vanstrum
Mr. W. J. Wilcox
File /

Subject: Air Pollution Study

Following are our best estimates of the quantities of HF, F₂, ClF₃, and UF₆ discharged to the atmosphere from K-1413, K-1401, and K-1004-L on December 15, 1957. This concludes the information requested in your letter of November 11, 1957.

Location	Estimated Effluent to Atmosphere, Grams			
	HF	F ₂	ClF ₃	UF ₆
K-1413	0	0	0	0
K-1401 Furnace Stands. All on 8-4 Shift. Vented through K-1302 Stack.	0	0	250	10 (tails)
K-1401 Pilot Plant	In stand-by condition. Will not be included in future reports.			
K-1004-L Pilot Plant	0	0	0	0

D. M. Lang
D. M. Lang

JCB:bds

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

John Th... 7/24/86
Technical Information Officer Date
Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

1.3.1.

INTER-COMPANY CORRESPONDENCE
UNION CARBIDE NUCLEAR COMPANY
Division of Union Carbide Corporation

To: **Dr. T. L. Ray**
K-1003

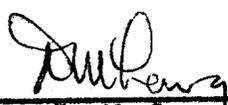
Plant: **Oak Ridge Gaseous Diffusion**

Date: **December 11, 1957**

Copies To: **Mr. J. C. Barton**
Mr. P. R. Vanstrum
Mr. W. J. Wilcox
File —

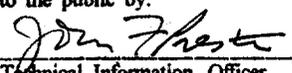
Subject: **AIR POLLUTION STUDY**
(dml cv.
only)
lf

The attached table shows our best estimates of the quantities of HF, F₂, ClF₃, and UF₆ discharged to the atmosphere from K-1413, K-1401, and K-1004-L on November 5, November 13, November 21, November 29, and December 7, 1957.



D. M. Lang

DML:JCB:ae
Attachment

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

7/24/96
7551 John F. Hester Technical Information Officer Date
Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

Dr. T. L. Ray

Location	Date	Estimated Effluent to Atmosphere, Grams			
		HF	F ²	ClF ₃	UF ₆
K-1413	11- 5-57	0	0	0	0
	11-13-57	0	0	0	0
	11-21-57	0	0	0	0
	11-29-57	0	0	0	0
	12- 7-57	0	0	0	0
K-1401 Furnace Stands All on 8-4 shift Vented through K-1302 Stack	11- 5-57	0	0	0	0
	11-13-57	8	450	0	0
	11-21-57	16	675	0	0
	11-29-57	0	0	0	0
	12- 7-57	0	0	0	0
K-1401 Pilot Plant	11- 5-57	0	135(4-12)	500(4-12)	0
	11-13-57	0	0	0	0
	11-21-57	0	0	0	0
	11-29-57	0	0	0	0
	12- 7-57	0	0	0	0
K-1004-L	11- 5-57	0	135(12-8)	1000(12-8) 1000(8-4)	0
	11-13-57	0	0	1000(12-8) 1000(8-4)	0
	11-21-57	0	0	1000(8-4)	0
	11-29-57	0	0	1000(12-8)	0
	12- 7-57	0	0	0	0

RECEIVED
D.M.LANG

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

1957 NOV -5 PM 1:45

To: Mr. E. C. Bollinger
Mr. D. M. Lang
Mr. H. G. P. Snyder

Plant: ORGDP
Date: November 4, 1957

Copies To: File:RC

Subject:

where is it? file

The ORGDP Air Pollution Study began November 5, 1957. Enclosed is the air sampling schedule for the first eight weeks of this program. Samples will be taken from 4:00 P. M. on the date designated until 4:00 P. M. on the following day.

It is requested that the Industrial Hygiene Department be provided with information regarding operations and stack emission rates so that the air sampling data can be correlated with actual plant operations. Table I lists the areas and contaminants from which this information is specifically desired. The success of this study is dependent upon obtaining this information for the periods during which air analyses are being taken and the program would be greatly aided if this information could also be made available for days other than those scheduled for sampling. It is not expected that special stack analyses or extensive studies be made since this program is subject to so many variables that mathematically exact correlation cannot be expected, but the more accurate the data which can be provided, the more dependable will be the results of this study.

Sampling dates: November 5, November 13, November 21, November 29, December 7, and December 15, 1957.

T. L. Ray, M. D.

TLR/pp
ORGDP:RC Ind. Hygiene Dept.

*only 6 days here
4 PM - 8 PM*

4 PM to 4 PM

*11/27/57
Martin handled.*

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

John Houston 7/24/96
Technical Information Officer Date
Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

TABLE I.

AREAS AND CONTAMINANTS FOR WHICH DATA IS REQUESTED

<u>BUILDING</u>	<u>CONTAMINANT</u>	<u>SUPERVISOR</u>
<u>Division Head, E. C. Bollinger</u>		
K-1311	UF ₆ , F ₂	A. Varian
K-1231	HF	Dykstra
K-1302	HF, F ₂	Dykstra
K-1420	F ₂ , NO ₂	Allen & Dykstra
<u>Division Head, H. G. P. Switzer</u>		
K-31	F ₂ , HF, UF ₆	J. M. Ellis
K-33	F ₂ , HF, UF ₆	Newton
K-701	SO ₂	J. B. Nichols
K-1501	SO ₂	Hark Fellars
K-311-1	Cl ₂ , ClF ₃ , F ₂	Fruess
K-312-1	Cl ₂ , ClF ₃ , F ₂	Shelton
K-312-3	Cl ₂ , ClF ₃ , F ₂	Shelton
<u>Division Head, D. H. Lang</u>		
K-1001-1	ClF ₃ , F ₂ , UF ₆	Flanders
K-1101	ClF ₃ , F ₂ , UF ₆	Preston
K-1113	UF ₆ , F ₂	Smiley

WJ3

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

(This section to be completed by subcontractor requesting document) (Box 2)

J. Lamb / 1034A
Requestor Document Center (is requested to provide the following document)

Date of request ~~6/14/96~~ 6/14/96 Expected receipt of document ~~7/14/96~~ 7/14/96

Document number _____ Date of document 1/4/60

Title and author (if document is unnumbered)
Air Pollution Folder: 5.1 Medical / Health Program

⇒ copy marked page only

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Date request received 6/19/96

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(This section to be completed by HSA Coordinator)

Date submitted to CICO 7/3/96

Date received from CICO 7/22/96

Date submitted to ChemRisk/Shonka and DOE 7/31/96

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

Date document received _____

Signature _____

5.1



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P, OAK RIDGE, TENNESSEE

To (Name) Mr. R. L. Stoddard Date January 4, 1960
 Company ERNDP
 Location K-1003 Originating Dept. Technical Services
 Answering letter date
 Copy to Mr. J. C. Barton Subject Air Pollution
 Mr. P. R. Vanstrom
 Mr. W. J. Wilcox
 File

Below are shown the estimated quantities of HF, F₂, ClF₃, and UF₆ discharged to the atmosphere from K-1401 from 4:00 p.m. Tuesday, December 29 to 4:00 p.m. Wednesday, December 30.

Location	Estimated Effluent to Atmosphere, lbs.			
	HF	F ₂	ClF ₃	UF ₆
K-1401 4-12	0	0	0	0
Furnace Area 12-8	0	5.	0	0
8-4	0	4.	0	0

None of the above gases were vented to the atmosphere from K-1004-1 or K-1413 during this period.

D. R. Lang

DRL:JAM:jeb

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

John J. Rosta 7/24/96
 Technical Information Officer Date
 Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.