

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

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

Date of request 9/14/95 Expected receipt of document 10/14/95

Document number RP-1044<sup>1044</sup>(com) Date of document 6/26/56

Title and author (if document is unnumbered)  
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Date request received \_\_\_\_\_

Date submitted to ADC \_\_\_\_\_ 10/17/95

Date submitted to HSA Coordinator \_\_\_\_\_

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This document consists of 1 pages  
No. 5 of 6 copies, Series A.

~~INTER-COMPANY CORRESPONDENCE~~

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Mr. A. A. Forseman  
K-303-8

Plant: Oak Ridge Gaseous Diffusion

Date: August 13, 1956

UNCLASSIFIED

Subject: Losses Incurred from Mis-feeding Cold Trap Material

Copies To: Mr. W. F. Elder  
Mr. S. J. Senatore  
Mr. R. D. Shaffer  
✓ Mr. H. G. P. Snyder  
File (S. S. Stief)

KP-1044 - Correction

KP 1044 COR 5 A



\*KP 1044 COR 5 A\*

PLANT RECORDS DEPT.  
CENTRAL FILES  
REC. 76136K  
FILED  
K-REF.  
K-REF.

An error was found to have existed in the procedure used in determining the losses that were reported in KP-1044 of June 26, 1956. This letter presented the losses that would have been incurred from misfeeding cold trap material to the K-311-1 side purge facility, an operation that would result in a considerable cost reduction with the shutting down of K-302-5 cold traps. The following table presents a summary of the materials that were cold trapped during the past three years and the corrected losses that would be experienced if these materials had been fed to the K-311-1 side purge. The magnitude of the loss is determined by the amount of the feed material, the assay differential between the feed and cascade feed point, and the concentration of the diffusion plant tails stream. It should be noted that if the material considered for 1956 had been fed at a future date when the tails concentration had been increased, as anticipated, to 0.300%, the mixing loss would increase to \$12,240. (double 1956 expenses)

This document has been approved for release to the public by:  
Date: 8/15/56  
Technical Information Officer  
Oak Ridge K-25 Site

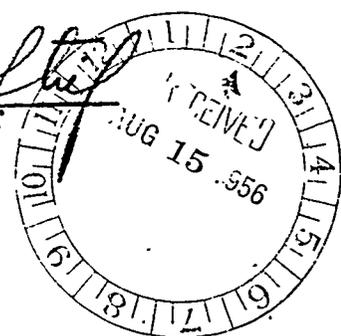
Cold Trap Material Source	1954		1955		1956	
	Feed (Kg. U)	Loss (\$)	Feed (Kg. U)	Loss (\$)	Feed (Kg. U)	Loss (\$)
K-302	884	17,011	733	6,145	73	1,071
K-303	-	-	-	-	95	3,969
K-301	-	-	-	-	583	962
K-310 and K-309	-	-	973	435	-	-
<b>Total</b>	<b>884</b>	<b>17,011</b>	<b>1,706</b>	<b>6,580</b>	<b>751</b>	<b>6,002</b>

slightly double for tails of 0.300

plant Tails Concentration 0.327% 0.204% 0.146%

K25PC

NOTED FROM S. S. Stief  
PLANT RECORDS K-1034



WFE:mmk

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of 1954 its transmission or the disclosure of its contents in any manner to an unauthorized person is prohibited.

WCX-163 (8-55)

This form for Inter-Company Correspondence only

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

Classification changed to: Unclassified  
(level and category)  
By authority of: CG-F6-D-4  
(classification guide)  
ADC or ADD signature (first reviewer) [Signature] Date 8/1/54  
ADC signature (final reviewer) Sam W. Wohlfort Date 9/1/54

QA 7/26/95  
G. W. Hall