



Allied Corporation
P.O. Box 430
Metropolis, Illinois 62960 USA
(618) 524-2111
Telex 204367

April 10, 1987

Certified Mail:
P-476-280-598

Mr. W. D. Shafer, Chief
Emergency Preparedness and
Radiological Protection Branch
US NRC Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Subject: UF₆ Cylinder Stiffening
Ring Investigation

Dear Mr. Shafer:

We have reviewed our records as requested in your Confirmatory Action Letter of April 3, 1987.

It should be clarified that we have only 100 cylinders that were manufactured by W. H. Stewart in 1975. We have mentioned 200 cylinders in our conversations with you and other N.R.C. personnel, but the other 100 were manufactured in 1974.

Our records review and cylinder inspection revealed the following information regarding the cylinders manufactured in 1975:

1. The 100 cylinders manufactured in 1975 by the W. H. Stewart Company were originally purchased by Allied General Nuclear Services (A.G.N.S.) and subsequently purchased by Allied Chemical.
2. The 100 A.G.N.S. cylinders have stiffening rings that were fabricated from Grade A-36 plate according to Mr. Bob Feistel of the W. H. Stewart Company as stated during a telephone conversation on April 7, 1987.
3. The metallurgical test reports that accompanied the 100 A.G.N.S. cylinders when purchased indicate that the material used was carbon plate ASTM A-36 70A (copy attached).

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REG3 SUBJ PDR

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Mr. W. D. Shafer, Chief

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4. A visual inspection of 99 of the 100 cylinders revealed no cracks in the stiffening rings. One of the cylinders has been shipped to Urenco; therefore, we were unable to personally inspect it. We did request an inspection of the stiffening rings on this cylinder (No. AG-099) by telex (copy attached). Urenco inspected this cylinder and notified us by telex (copy attached) that there were no cracks in the stiffening rings.

It is requested that the administrative "hold" on the 100 cylinders manufactured in 1975 be removed based on the information listed.

It is also requested that the administrative "hold" on the 100 cylinders manufactured in 1974 be removed since they were erroneously included in this investigation due to our misunderstanding.

If there is any additional information required, please contact me.

Very truly yours,

J. E. Honey / JEP

J. E. Honey
Manager-Regulatory Affairs

JEH/sm

Attachments



REPORT OF M R PLATES
FAIRFIELD U.S.S. ORDER NO. AT02235 LOAD TALLY OR INVOICE NO. P61866
 U.S. ORDER NO. 6084 2/5/75
 A TRUCK NO. LN34415 SHIPPER NO. & DATE 05/21/75 052275038

14 STATE OF ALABAMA
COUNTY OF JEFFERSON

SWORN TO AND SUBSCRIBED BEFORE ME
THIS 22 DAY OF May, 1975

NOTARY PUBLIC Mary C. Moore

BEING DULY SWORN ACCORDING TO LAW, DEPOSES AND SAYS THAT THE CHEMICAL ANALYSIS AND/OR TESTS SHOWN ON THIS REPORT ARE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY.

J. M. EDGE
CHIEF METALLURGIST

SIGNATURE [Signature]
DATE

STEWART CO W H
420 EAST GRAND AVE
OKLAHOMA CITY OKLA 73104

SHIP TO

STEWART CO W H
420 EAST GRAND AVE
OKLAHOMA CITY OKLA

PLATE CARBON
ASTM A-36-70A

MILL SWORN T/R - ANALYSIS - REPORT TEST RESULTS PER SPEC

IN	HEAT NO.	TEST OR PIECE IDENTITY NO.	MATERIAL DESCRIPTION					YIELD ST. PSI	TENSILE STR. PSI	ELONGATION %		% RED OF AREA	S.I. M. D. I. O.
			NO. PCS.	THICKNESS OR SECTION	WIDTH, DIA. OR FT. WT.	LENGTH	WEIGHT			IN 8"	IN 2"		
01	X01700	0822	2	5/8	84	302	IN 8984	* 45700	71600	29.0			B
01	X01715	0886	2	5/8	84	302	IN 8984	* 43300	67900	27.0			B
01	X01791	0481	5	5/8	84	302	IN 22460	* 39700	68700	25.0			B
02	X01671	0215	6	3/4	72	240	IN 22032	* 38600	64800	30.0			B
02	X01684	0585	4	3/4	72	240	IN 14688	* 41600	69000	27.5			B

AGNS CYLINDERS

ALL SIZE TESTED ACCORDING TO COMPANY RECORDS CONFORMS TO THE REQUIREMENTS OF THE SPECIFICATION LISTED ABOVE

YIELD POINT AT 0.0050 EXT

HEAT NO.	TYPE	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	V	B	Ti	Co	Co
X01700	L	24	0.6	008	015													
X01715	L	24	1.07	018	021													
X01791	L	24	0.6	015	017													
X01671	L	24	0.6	020	015													
X01684	L	2	0.6	029	016													



easylink #0
/ITX 851847366+

URENCO LTD.
18, OXFORD ROAD
MARLOW, BUCKS SL7 2NL
ENGLAND

ATTN: S. WELLS, CONTRACT ADM.

RE: ALLIED CYLINDER

ACCORDING TO OUR RECORDS, YOU HAVE IN YOUR POSSESSION OUR 48X
CYLINDER NUMBER AG 099.

WOULD YOU BE KIND ENOUGH TO INSPECT THIS CYLINDER FOR CRACKS IN
THE STIFFENING RINGS AND REPORT YOUR FINDING BY RETURN TELEX
(NUMBER 204367).

THANK YOU FOR YOUR COOPERATION.

REGARDS,

GEORGE E. YATES
SUPVR. ACCTG. SERVICES
ALLIED CORPORATION
METROPOLIS, IL 62960

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EASYLINK 3041853C001 13APR87 10:31/10:38 EST
VIA: 204367

TO: 62931155

RCA APR 13 1128
ALCMETA MTRP

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ALCMETA MTRP

3929 87-04-13 16:28

13/04/87

TELEX NO: 0498/JAS

TO: MR. G.E. YATES ACCOUNTING SERVICES,
ALLIED CORPORAION

FROM: S.E. WELLS URENCO LTD, MARLOW

SUBJECT: INSPECTION OF ALLIED CYLINDER NO. AG099

WITH REGARD TO THE ALLIED CYLINDER NO AG099, OUR URENCO (UK) PLANT
HAVE ADVISED THAT THE CONTAINER HAS BEEN INSPECTED AND THAT NO CRACKS
IN THE STIFFENING RING HAVE BEEN DETECTED. THE CONTAINER HAS BEEN
EMPTIED BY FEEDING TO THE PLANT AND IS AVAILABLE FOR COLLECTION.

SHOULD YOU REQUIRE ANY FURTHER DETAILS PLEASE DO NOT HESITATE TO
CONTACT ME.

REGARDS

S.E. WELLS

CONTRACT ADMINISTRATION

ALCMETA MTRP

847366 URENCO G

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