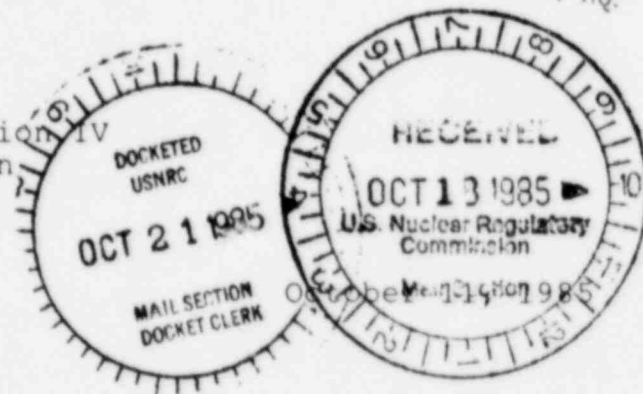


40-8681

RETURN ORIGINAL TO PDR, HQ.

Mr. Harry J. Pettengil, Chief
 License Branch 2
 Uranium Recovery Field Office, Region IV
 U. S. Nuclear Regulatory Commission
 730 Simms Street, Suite 100A
 Denver, CO. 80225



Dear Mr. Pettengil:

The purpose of this letter is to provide you with additional information relating to the seven leach tanks at the White Mesa Mill at Blanding, Utah. In a telephone conversation with Mr. J. F. (Jack) Lindeman, District Sales Manager of Chicago Bridge and Iron Company, San Francisco office, the specifications to which the tanks were built was discussed. Mr. Lindeman, who had the C. B. and I. file in front of him, stated that tanks of this nature were generally built to the A. P. I. 650 standard. He stated that if other standards were involved, that they would be included on the drawing. The portion of the drawing that deals with specifications is included.

Mr. Lindeman stated that for fittings including manholes, magnetic particle examination is used instead of x-rays because of the difficulty in obtaining pictures around flanges, etc.

If there is any further information that is needed, please contact us and we will endeavor to provide it.

Very truly yours,

John S. Hamrick

John S. Hamrick
 Metallurgical Engineer
 White Mesa Mill
 Blanding, Utah

xc: Don Sparling

8512050087 851011
 PDR ADOCK 04008681
 C PDR

DESIGNATED ORIGINAL

Certified By *Mary C. Hood*

RECEIVED
 85 NOV 25 P1:34
 U.S. NUC. REG. COM.
 LIC. FEE MGMT. BRANCH

FILE EXEMPT

Add Info To
 Insper # 85-003

026

↓
DEAD LOAD = 777 #/FT
(COVER, ASG
& TANK)
↑
MAX EQ = 1562 #/FT

2475 #/FT

NO WIND

TANKS TO BE RUBBER LINED.

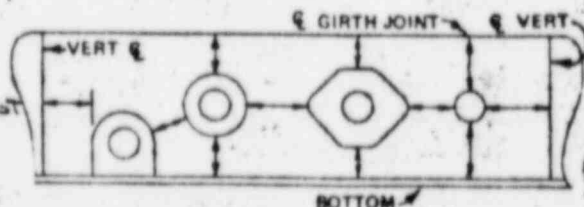
DESIGN TEMP. 200°F
SPECIFIC GRAVITY-
SOLIDS - 2.626
SLURRY - 1.507

FOUNDATION - BY OTHERS
CONSTRUCTION - BY CBI
SERVICE - LEACH PULP
CAPACITY - 95465 U.S. GAL.
SPECIFICATIONS - API 650

MATERIAL SPEC - PLATES - A283-C STRUCTURAL - A36

CORROSION ALLOWANCE - NONE
INSPECTION - MILL - CTR
SHOP - CBI
FIELD - CBI & CUST

SURFACE
PREPARATION - } SEE PAINT
PAINTING - } SHEETS



FITTINGS - TO BE LOCATED AS SHOWN ON DRAWING. IF FITTING LOCATIONS ARE NOT GIVEN, LOCATE IN FIELD TO SUIT CUSTOMER MAINTAINING MINIMUM SPACING SHOWN IN SKETCH ABOVE

FLANGE BOLT HOLES TO STRADDLE VERTICAL CENTERLINE

ALL ARC DIMENSIONS ARE GIVEN ON OUTSIDE 1ST SHELL RING

TEST - DURING WATER TEST DO NOT FILL TANK ABOVE MAXIMUM HEIGHT OF _____
OVERFILLING MAY CAUSE DAMAGE.

SURFACES TO BE RUBBER LINED REQUIRE NO SPECIAL GRINDING
HOWEVER WELD SPLATTER & METAL PROJECTIONS EXCEEDING
1/8" TO BE REMOVED.
DETAILED & BILLED FOR SEVEN TANKS ~ SEVEN PERO

NO.	DATE	BY	REMARKS
1	1-10-78	W. J. H. H.	ADDED ELEVATION NOTE E. CONT. TANKS 100' E. APPROX NEW MONUMENT (100)
2	1-10-78	W. J. H. H.	ADDED NOTE

Chicago Bridge & Iron Company CBI

GENERAL PLAN

7~ 25-04 x 77-Q - OPEN TOP

LEACH TANK

ENERGY FUELS NUCLEAR INC
BLANDING UTAH

Purchase Order No. 438 Date 6-22-79

Copyright No.
94287

J.S. BATHMAN
Engineering Supervisor

Draw **1A** Rev. **2**

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NOTATION DESIGN

1562 $\frac{\text{kg}}{\text{m}^3}$

PERIPHERY LOAD
TANK MOM = 767 K-FT

PRESSURE DISTRIBUTION
FR. HYDRODYNAMIC LOADS
ACTING ON TANK BOTTOM
MOM = 77.7 K-FT

OVERTURNING LOAD
+ EARTHQUAKE

[illegible]

RECEIVED

AUG 2 1979

FACT NO. C
C. 6

CERTIFIED CORRECT
CHICAGO BRIDGE & IRON COMPANY
BY: Edith E. J. 8-2-79 D/13

▶ INDICATES CHANGE FROM PREVIOUS ISSUE