Project No.
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US DOE RFETS L14 Support
0008805

(1)

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By: Janet Nesheim, Derivative Classifier
DOE, EMCBC
Date: 03-03-09
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OK for public release.

DM-90
NMSL-E4439

Bldg 707
Mod. B.

NEW OVERHEAD STORAGE CHAINVEYOR : 7B-523

REQUEST FROM DAVE OLIVAS FOR LIMITS TO BE ESTABLISHED FOR THE NEW MOD B. STORAGE CHAINVEYOR. FOLLOWING A REVIEW BY HEALTH PHYSICS, DAVE REQUESTS A BIRDCAGE SPACING OF 36" PENDANT-TO-PENDANT. THE REQUEST IS FOR (1) ONE APPROVED CASTING OR (2) ONE APPROVED PART OR (3) TWO BLANKS ROLLED FROM THE SAME INGOT PER POSITION. LIMITS WILL BE WRITTEN FOR STANDARD BIRDCAGES WHICH WILL COVER ALL OF THE ABOVE ITEMS.

THIS CHAINVEYOR WAS INSPECTED AFTER INSTALLATION BY D. MAYFIELD AND D. OLIVAS. THE CHAINVEYOR WAS IN GOOD SHAPE EXCEPT THE 1" HIGH BARS AT THE TOP OF TWO SCOPED SECTIONS WERE NOT INSTALLED. THESE HAVE NOW BEEN INSTALLED. THE CHAINVEYOR IS NOW WAITING FOR LIMITS SO THE BIRDCAGES CAN BE INSTALLED. THEN THE CHAINVEYOR WILL "GO HOT."

THIS CHAINVEYOR WAS DESIGNED TO USE THE STANDARD BIRDCAGES FOR BLDG 707 AND IS ACCEPTABLE FOR LIMITS CONSISTENT WITH OTHER 707 CHAINVEYORS. 7B-523 WILL BE ADDED TO THE APPROVED CHAINVEYORS ON Pg 95 (MOD B) AND Pg 366 A OF THE 707 NMSL. (Pg 95 WILL BE SPLIT ONTO Pgs 94 & 95.)

THE CONNECTING SECTION HAS 2" WATERWALL ON THE SIDES AND BOTTOM. THE CHAINVEYOR DRYBOX HAS 2" WATERWALL ON THE LOWER 1/2 OF THE BOX SIDEWALLS AND ON THE BOTTOM.

DM 13 Nov 84
J.A. Quin-Zamora 11/13/84

NOTE: WATERWALL ANALYSIS REQUIRED.
CONTINUED TO Pg. 29, DLM-DB #3
DM

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Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

(2)

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Page 207
Mod K

DM-103
NMSL-84505

REQUEST FROM PAUL SIDEMAKER FOR TEMPORARY LIMITS TO MOVE BIRDCAGES INSIDE THE X-Y RETRIEVER VAULT BY HAND. THIS IS NECESSARY WHILE THE RETRIEVER IS DOWN FOR EXTENDED MAINTENANCE AND RETROFITTING OF THE CONTROL SYSTEM.

HANDCARRY LIMIT IN BUILDING 707 WOULD ACTUALLY COVER THIS OPERATION. HOWEVER SINCE IT IS AN UNUSUAL PLACE FOR HANDCARRY OPERATIONS, A TEMPORARY LETTER LIMIT WILL BE WRITTEN.

LIMIT CONDITIONS:

1) ONE (1) APPROVED X-Y RETRIEVER BIRDCAGE AT A TIME MAY BE HANDCARRIED FROM ANY APPROVED STORAGE LOCATION TO THE SHUTTLE.
2) THE BIRDCAGE BEING HANDCARRIED MAY BE TEMPORARILY PLACED ON THE VAULT FLOOR IN A ONE-LAYER PLANAR ARRAY WITH THE APPROVED STORAGE LOCATIONS. THIS MAY BE NECESSARY SINCE THE HANDCARRY OPERATION WILL BE PERFORMED WHILE IN A SUPPLIED AIR SUIT.
3. ONLY ONE (1) BIRDCAGE CONTAINING FISSILE MATERIAL MAY BE OUT OF AN APPROVED STORAGE LOCATION AT ANY TIME.
4. BIRDCAGES MUST NOT BE STACKED.
5. IF A BIRDCAGE, INGOT CASE OR MAT CARRIER COMES OPEN DURING HANDCARRY AND FISSILE MATERIAL IS DROPPED AMONG THE OTHER STORAGE POSITIONS, THE OPERATION MUST BE STOPPED AND CRITICALITY ENGINEERING MUST BE CONTACTED FOR ADDITIONAL GUIDANCE.

THESE CONDITIONS ARE CONSISTENT WITH THE CURRENT LIMITS FOR THE RETRIEVER BIRDCAGES AND ARE SAFE FOR NORMAL AND ABNORMAL CONDITIONS.

20 DEC 1984

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Witnessed & Understood by me,	Date	Invented by J. A. Irwin-Zarecka	Date 12/21/84
		Recorded by	