

AIKE.

NUCLEAR  
DIVISION  
Baltimore,  
Maryland  
21203

**MARTIN COMPANY**

January 27, 1965

Refer to: ACC-366  
Mail No. 807

U. S. Atomic Energy Commission  
Division of Material Licensing  
Washington, D. C.

Attention: Mr. Alexander Aikens, Jr.  
Chief, Fuels Processing Branch

Subject: Proposed Amendment to Byproduct License  
19-1398-29

Gentlemen:

Enclosed are six (6) copies each of revised pages 95 and 96 for Byproduct License 19-1398-29 which, with revised page 105 previously submitted, correct air system pressure differentials to more feasible and proper minimum values.

Very truly yours,

MARTIN-MARIETTA CORPORATION

*C. W. Keller*

C. W. Keller  
Nuclear Accountability  
& Licensing Representative

CWK:mal

B-53

A DIVISION OF  
**MARTIN**  
**MARIETTA** 

TABLE 6.3

PRESSURE DIFFERENTIALS

<u>READING</u>	<u>GAGE-ACCURACY</u>	<u>MINIMUM</u>
1. Operations Area to Cell 4	Hays $\pm$ .02	0.3
2. Operations Area to Other Cells	Hays $\pm$ .02	0.4
3. Cell 4 to Process Box	Magnehelic (0-.5) $\pm$ .01	0.1
4. Service Area to Isolation Room 4	Hays $\pm$ .02	0.1
5. Service Area to Other Isolation Rooms	Hays $\pm$ .02	0.1
6. Isolation Room 4 to Cell 4	Hays $\pm$ .02	0.1
7. Other Isolation Rooms to respective Cells	Hays $\pm$ .02	0.1
8. Operations Area to Outer SOTS	Magnehelic (0-2) $\pm$ .04	0.1
9. Outer to Inner SOTS	Magnehelic (0-.5) $\pm$ .01	0.1
10. Inner SOTS to 4B (Process Box)		0.05
11. Cell 3 to Downcomer in Cell 3	Magnehelic (0-2) $\pm$ .02	0.0

NOTE: (a) All readings, in inches of water.

(b) Above pressure differentials apply with isolation room to service area door closed.

(c) During operations, item number 11. will have a pressure differential of 0.05.

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TABLE 6.4  
MINIMUM AIR VELOCITIES (NORMAL OPERATION)

	VELOCITY (feet/second)
1. Operations Area to Cell 4	38.7
2. Operations Area to Other Cells	42.3
3. Cell 4 to Process Box	21.1
4. Service Area to Isolation Room 4	21.1
5. Service Area to Other Isolation Rooms	21.1
6. Isolation Room 4 to Cell 4	21.1
7. Isolation Rooms to Other Cells (Example cell No. 1 to Isolation No. 1)	21.1
8. Outer to Inner SOTS	21.1
9. Inner SOTS to 4B (Process Box)	14.9
10. 4B to 4A (in Process Box)	3.77
11. Cell 3 to Downcomer in Cell 3	0.0

NOTE: (a) During operations, Item Number 11. will have an air velocity of 14.9 feet/second.