

July 27, 2000

Department of the Army
ATTN: Colonel Patricia L. Nilo
Commandant
U. S. Army Chemical School
Fort Leonard Wood, Missouri 65473-8926

SUBJECT: TRANSMITTAL AND EXPLANATION OF AMENDMENT TO LICENSE NO. 01-02861-05 (REFERENCE CONTROL NO. 258979; DOCKET NO. 030-17584)

Dear Colonel Nilo:

Enclosed please find Amendment No. 15 to your NRC materials license. This action was taken in response to your letter dated June 12, 2000, providing additional survey data obtained at the former Chemical School (Building 1081) at Fort McClellan, Alabama. This information, and the information provided in your March, 2000 Final Survey Report, was compared to the NRC's data obtained during an inspection completed on October 1, 1999. The inspection results were documented in Inspection Report No. 01-02861-05/99-01 issued on March 1, 2000. Additional survey results from the survey conducted in Building 1081 are contained in Enclosure 2 to this letter. The results of this review confirm that Building 1081 meets the criteria for unrestricted release delineated in 10 CFR 20.1402. Accordingly it has been removed from your license. A survey of Alpha Field was not required since the only licensed materials used there were plated U-233 sources and your report indicated that there was no contamination found when the plates were tested.

The following is an update of the remaining issues concerning the burial mound at Pelham Range.

1. The Environmental Assessment for the Decommissioning Plan for the contaminated soil in the burial mound at Pelham Range is under final review and will be published in the Federal Register for public review and comment shortly.
2. We are awaiting your response to our letter dated May 4, 1999. In it we asked what assurance you can provide that contamination is limited to the area of the burial mound. We understand that you plan to address this concern by performing an aerial fly over of the area and have received your fax dated July 12, 2000, which delineates the areas to be considered. Please ensure that the area to be surveyed contains the areas used for radiological exercises at the Pelham Range.
3. We have received your letter dated July 6, 2000, containing information regarding the hydro geologic conditions at the Pelham Range. It will be used to help determine whether the groundwater in the area has been affected by the burial mound.
4. We are also awaiting your response to our letter dated March 1, 2000, asking you to discuss your method of securing any licensed material that may be removed from the mound or accumulated as the work continues.

We have reviewed your November, 1999, Radiological Historical Assessments of the Pelham Range and Main Post as well as your March, 2000, Commodity Site Survey Report. Based on the information provided in these documents and previous NRC inspection activities at Fort McClellan we have determined that the following areas identified in the Commodity Site Survey Report do not require additional attention from the NRC; Buildings 337, 338, 339, 341, 3181, 345, 335, 228, 303-A, 812-1/2, 257, 4416, 256, 3182, and 350, Bromine Field, and Alpha Field. We have no further radiological concerns regarding the use or control of these areas.

No further action is required based on the adequacy and thoroughness of your final surveys, your conservative assessment of the appropriate MARSSIM Class of the areas to be surveyed, your findings that no residual contamination remained, and for the following reasons.

1. Inspectors from the Alabama Department of Radiological Safety and the Federal Environmental Protection Agency were present during the final survey of Building 3181, and based on discussions with them, and review of your report, we have determined that the survey was appropriate and adequate.
2. The materials used in Buildings 228, 256, 257, 303A, 335, 337, 338, 339, 341, 345, 350, 812-1/2, and 4416 were in sealed source form with no history of leaking or contamination or were material not regulated by the NRC.
3. The material used at Bromine Field, Br-82, has a half life of 2.4 days, no contamination can remain, and no survey is required.

We have received your Sampling Plan dated July 20, 2000 for the remaining areas to be surveyed as follows: Buildings T-810, 811, 812, 836 and 837 which housed the original Chemical School in the 1950s; three additional burial or use sites in the Rattlesnake Gulch area, two near the Summerall Gate area and one in the northeast corner of the Anniston Community Center Property; a room in Building 3182, and a location at Range 25 which was used for the testing of prototype actuators.

We will observe the decommissioning and survey activities as time and work load permit. Please advise us if you deviate from the schedule provided in the Sampling Plan.

If you have any questions please call me at (404) 562-4739.

Sincerely,

/RA/

Orysia Masnyk Bailey, License Reviewer
Division of Nuclear Materials Safety

Enclosures: 1. Amendment No. 15
License No. 01-02861-05
2. Building 1081 Survey Results

cc w/encls: (See page 3)

cc w/encls:

Richard G. Button, Jr.
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Bldg. 141A 13th Ave.
ATTN: ATZN-EM
Fort McClellan, AL 36205

*see previous concurrence

| | | | | | | | |
|--------------|-------------|-------------|----------|----------|----------|----------|----------|
| OFFICE | RII:DNMS | RII:DNMS | | | | | |
| SIGNATURE | JLH 7/27/00 | TRD 7/27/00 | | | | | |
| NAME | JHenson* | TDecker* | | | | | |
| DATE | 7/ /2000 | 7/ /2000 | 7/ /2000 | 7/ /2000 | 7/ /2000 | 7/ /2000 | 7/ /2000 |
| E-MAIL COPY? | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO |

OFFICIAL RECORD COPY

DOCUMENT NAME: C:\258979.wpd

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|-----------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| Building 1081 Room 0 | | | | |
| 4N | 79 | 0 | -0.1 | -1.3 |
| 6M | 150 | 0 | -0.1 | 0.7 |
| 7L | 32 | 0 | -0.1 | 0.7 |
| 6N | 150 | -1 | 0.9 | -1.3 |
| 5N | 339 | 0 | -0.1 | -0.3 |
| 9H | 336 | -1 | -0.1 | -0.3 |
| 9I | 107 | 0 | -0.1 | -1.3 |
| 8G | 382 | 0 | -0.1 | 0.7 |
| 9E | 161 | -1 | -0.1 | 1.7 |
| 8D | 7 | 0 | -0.1 | -1.3 |
| 10F | 232 | 0 | 0.9 | 1.7 |
| 7G | 68 | -1 | 0.9 | -0.3 |
| 5B | 50 | -1 | -0.1 | -0.3 |
| 4C | 89 | -1 | -0.1 | -0.3 |
| 4A | 107 | 0 | -0.1 | 1.7 |
| 6B | 196 | 0 | -0.1 | -0.3 |
| 2D | 207 | -1 | -0.1 | -0.3 |
| 2E | 139 | -1 | -0.1 | 2.7 |
| 3G | 286 | -1 | -0.1 | 3.7 |
| 3I | 218 | -1 | 0.9 | -1.3 |
| 1I | 171 | -1 | -0.1 | -1.3 |
| 4D | 14 | 0 | -0.1 | 1.7 |
| 5E | 57 | -1 | -0.1 | -1.3 |
| 6F | -46 | -1 | -0.1 | -0.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|-------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| 7G | 79 | -1 | 0.9 | -0.3 |
| 6I | 1282 | -1 | -0.1 | 2.7 |
| 5K | 32 | -1 | -0.1 | -0.3 |
| 5I | 657 | -1 | -0.1 | -0.3 |
| 6H | -57 | -1 | -0.1 | -0.3 |
| 6D | 504 | 0 | -0.1 | -0.3 |
| BUILDING 1081 PREP LAB | | | | |
| Inside Fume Hood | -50 | 0 | -0.1 | 17.70 |
| Floor Surrounding Fume Hood | scan only | -- | -0.1 | 1.7 |
| 6B | 118 | 0 | -0.1 | 3.7 |
| 4C | 175 | 0 | -0.1 | -0.3 |
| 9C | 257 | -2 | -0.1 | 2.7 |
| 13F | 268 | 2 | -0.1 | -0.3 |
| 12H | 361 | -1 | -0.1 | -0.3 |
| 14I | 307 | 0 | 0.9 | -1.3 |
| 9M | 221 | 3 | -0.1 | 1.7 |
| 10L | 61 | 2 | 0.9 | -0.3 |
| 6M | 314 | 3 | -0.1 | 0.7 |
| 2I | 211 | 2 | -0.1 | -1.3 |
| 4I | 14 | 1 | -0.1 | -0.3 |
| 1G | 100 | 0 | -0.1 | -1.3 |
| 5F | 0 | 0 | -0.1 | 2.7 |
| 2D | 239 | -1 | -0.1 | 0.7 |
| 5E | -57 | 0 | -0.1 | -1.3 |
| 8F | -21 | -1 | -0.1 | -1.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|---------------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| 9I | 79 | -1 | -0.1 | 1.7 |
| 6K | -14 | -1 | -0.1 | 0.7 |
| 10D | -50 | -1 | -0.1 | 0.7 |
| 8E | 557 | -1 | -0.1 | -1.3 |
| 8I | 579 | -1 | -0.1 | -0.3 |
| 6K | 575 | 0 | -0.1 | 0.7 |
| BUILDING 1081 AREA V -VAULT | | | | |
| 9G | 1411 | -1 | -0.1 | 2.7 |
| 9J | -96 | 0 | 0.9 | -0.3 |
| 6I | -21 | 0 | -0.1 | -0.3 |
| 4D | -4 | 0 | -0.1 | 0.7 |
| 6E | 18 | 1 | -0.1 | -0.3 |
| 11I | 7 | -1 | 0.9 | -0.3 |
| 13G | 179 | 0 | -0.1 | -1.3 |
| 9F | 182 | 0 | -0.1 | -1.3 |
| 9I | 146 | 0 | -0.1 | -1.3 |
| 8M | 29 | 0 | -0.1 | 0.7 |
| 5L | 36 | 0 | -0.1 | -0.3 |
| 2I | 221 | 0 | 0.9 | -0.3 |
| 3F | 61 | 1 | -0.1 | 1.7 |
| 4B | 154 | 1 | -0.1 | -1.3 |
| 7F | 643 | 0 | -0.1 | 2.7 |
| 9G | -61 | 0 | -0.1 | -0.3 |
| 8I | 557 | 0 | -0.1 | 0.7 |
| BUILDING 1081 - AREA P - LAB 1 | | | | |
| 16D | 43 | 0 | 0.9 | 3.7 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|---------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| 15G | 68 | -1 | -0.1 | 0.7 |
| 14F | 18 | -1 | -0.1 | 1.7 |
| 11H | 7 | -1 | -0.1 | 0.7 |
| 12E | 39 | -1 | -0.1 | -1.3 |
| 10G | 57 | -1 | -0.1 | -1.3 |
| 7H | 57 | -1 | -0.1 | 0.7 |
| 6J | 75 | -1 | -0.1 | -0.3 |
| 6F | 100 | -1 | -0.1 | -0.3 |
| 4G | 107 | -1 | -0.1 | -1.3 |
| 10A | 246 | -1 | -0.1 | 1.7 |
| 12B | 246 | 0 | -0.1 | 1.7 |
| 14C | 232 | 1 | -0.1 | -0.3 |
| 15B | 293 | 1 | -0.1 | 2.7 |
| 6L | 114 | -1 | 0.9 | -0.3 |
| 7K | 296 | -1 | -0.1 | -0.3 |
| 13L | 296 | 0 | -0.1 | -1.3 |
| 16M | 271 | 0 | -0.1 | -1.3 |
| 19H | 418 | 0 | -0.1 | 0.7 |
| 18D | 243 | 0 | -0.1 | 0.7 |
| 2I | 296 | -1 | -0.1 | -1.3 |
| 3D | 250 | -1 | -0.1 | 0.7 |
| 4F | 571 | -1 | -0.1 | 0.7 |
| 8H | 579 | -1 | -0.1 | 1.7 |
| 12D | 425 | 0 | -0.1 | 5.7 |
| 15F | 650 | 0 | -0.1 | -0.3 |
| 14I | 582 | 0 | -0.1 | -0.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|--------------------------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| BUILDING 1081 - AREA Q - LAB HALLWAY | | | | |
| 5E | -14 | 0 | -0.1 | 0.7 |
| 8D | 61 | -1 | -0.1 | -0.3 |
| 11D | -143 | 0 | -0.1 | 1.7 |
| 15E | -46 | -1 | -0.1 | 1.7 |
| 17B | 171 | 0 | -0.1 | 1.7 |
| 7F | 50 | -1 | -0.1 | -1.3 |
| 7B | 207 | -1 | -0.1 | -0.3 |
| 10C | 121 | -1 | -0.1 | -1.3 |
| BUILDING 1081 - AREA I - JANITOR'S CLOSET | | | | |
| 3C | 96 | 0 | -0.1 | 0.7 |
| 3D | -14 | -1 | -0.1 | -0.3 |
| 4G | 311 | 0 | -0.1 | -1.3 |
| 5C | 161 | 0 | 0.9 | -0.3 |
| 3D | 146 | 0 | -0.1 | -0.3 |
| 2D | -232 | -1 | -0.1 | 0.7 |
| BUILDING 1081 - LAB #4 | | | | |
| 7E | 46 | -1 | -0.1 | 0.7 |
| 3D | 4 | -1 | -0.1 | -1.3 |
| 5A | 150 | 0 | -0.1 | -0.3 |
| 3B | 129 | 0 | -0.1 | 0.7 |
| 2F | 157 | 3 | -0.1 | -0.3 |
| 3I | 304 | 0 | -0.1 | -0.3 |
| 7H | 157 | -1 | -0.1 | 0.7 |
| 10E | 214 | -1 | 0.9 | 0.7 |
| 14B | 111 | -1 | -0.1 | -1.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|-------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| 7C | 207 | -2 | -0.1 | -1.3 |
| 2G | 264 | 3 | -0.1 | -0.3 |
| 6L | 164 | -1 | -0.1 | 0.7 |
| 13M | 393 | -1 | -0.1 | 1.7 |
| 18H | 286 | -1 | 0.9 | -0.3 |
| 14H | 61 | -2 | -0.1 | -1.3 |
| 10J | -18 | -1 | -0.1 | -0.3 |
| 7E | -86 | -1 | -0.1 | -1.3 |
| 13E | -36 | -2 | -0.1 | -0.3 |
| BUILDING 1081 - LAB #2 | | | | |
| 13F | 157 | -1 | -0.1 | -0.3 |
| 12Q | 196 | -1 | .09 | .07 |
| 10Q | -82 | -2 | -0.1 | -0.3 |
| 8W | 243 | -1 | -0.1 | -1.3 |
| 7S | 100 | -1 | -0.1 | -0.3 |
| 3R | 129 | -1 | -0.1 | -0.3 |
| 5R | -32 | -2 | -0.1 | -1.3 |
| 6O | -71 | -1 | -0.1 | -1.3 |
| 2G | 264 | 0 | -0.1 | 0.7 |
| 6F | -118 | -1 | -0.1 | 2.7 |
| 8C | 264 | -1 | 0.9 | 3.7 |
| 9F | 7 | -1 | 0.9 | 1.7 |
| 7H | -21 | -1 | -0.1 | -1.3 |
| BUILDING 1081 - LAB #7 | | | | |
| 7E | -14 | -2 | -0.1 | 0.7 |
| 1E | 161 | -1 | -0.1 | -1.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|----------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| 4F | -18 | -1 | -0.1 | -0.3 |
| 9L | 200 | -1 | 0.9 | -0.3 |
| 10I | -54 | -1 | -0.1 | -0.3 |
| 11F | 43 | -2 | -0.1 | 0.7 |
| BUILDING 1081 VAULT | | | | |
| 9G | 429 | | | |
| 9G | 364 | | | |
| LSC SMEARS FOR H-3 | | | | |
| WATER BACKGROUND | | | 138 | |
| 9G | | | 13 | |
| 9J | | | -4 | |
| 6I | | | -51 | |
| 4D | | | 42 | |
| 6E | | | -5 | |
| 9F | | | 5 | |
| 5L | | | 7 | |
| 9G | | | 27 | |
| 8H | | | 4 | |
| BUILDING 1081 - TANK ROOM | | | | |
| 5D | 96 | -3 | -0.1 | 4.7 |
| 7E | 293 | -3 | -0.1 | 2.7 |
| 7C | 75 | -3 | -0.1 | 4.7 |
| BUILDING 2281- LAB #1 | | | | |
| NORTH WALL - 1 LOW | -136 | -3 | -0.1 | 2.7 |
| NORTH WALL - 5 LOW | 339 | -1 | -0.1 | 2.7 |
| NORTH WALL - 8 LOW | -30 | -4 | -0.1 | 8.7 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|---------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| WEST WALL - A LOW | -171 | -6 | -0.1 | 2.7 |
| WEST WALL - C LOW | -150 | -5 | -0.1 | 2.7 |
| WEST WALL - F LOW | -86 | -5 | -0.1 | 5.7 |
| SOUTH WALL - 8 LOW | 500 | 1 | 0.9 | 4.7 |
| SOUTH WALL - 5 LOW | 532 | -1 | -0.1 | 1.7 |
| SOUTH WALL - 2 | 707 | 0 | -0.1 | 1.7 |
| EAST WALL - G | 671 | 2 | -0.1 | 0.7 |
| EAST WALL - D | 729 | 3 | -0.1 | 3.7 |
| EAST WALL - A | 764 | -1 | -0.1 | 5.7 |
| BUILDING 22 81 - HP LAB | | | | |
| NORTH - RIGHT OF LIGHT SWITCH | -243 | -3 | -0.1 | -1.3 |
| WEST WALL - 8 FT SOUTH - LOW | -239 | -5 | -0.1 | 0.7 |
| WEST WALL - 14 FT SOUTH | -96 | -6 | -0.1 | 0.7 |
| WEST WALL - 22 FT SOUTH | -286 | -8 | 1.9 | 1.7 |
| SOUTH WALL - BETWEEN WINDOWS | -343 | -8 | -0.1 | -0.3 |
| EAST WALL - 20 FT SOUTH | 575 | -1 | -0.1 | -0.3 |
| EAST WALL - 14 FT SOUTH | -46 | -1 | -0.1 | -0.3 |
| EAST WALL - 6 FT SOUTH | 464 | 0 | -0.1 | 0.7 |
| FLOOR - 6 FT NORTH - 3 FT EAST | -164 | 7 | -0.1 | -0.3 |
| FLOOR - 10 FT NORTH - 4 FT EAST | -211 | -5 | -0.1 | -1.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|-------------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| FLOOR - 18 FT NORTH - 1 FT EAST | -136 | -4 | -0.1 | 1.7 |
| FLOOR - 22 FT NORTH - 4 FT EAST | -114 | -6 | -0.1 | -0.3 |
| FLOOR - 20 FT NORTH - 8 FT EAST | -246 | -5 | 0.9 | 2.7 |
| FLOOR - 12 FT NORTH - 6 FT EAST | -239 | -6 | -0.1 | 2.7 |
| BUILDING 2281 - DECON ROOM A | | | | |
| WEST WALL - 4 FT SOUTH | 246 | -6 | -0.1 | -0.3 |
| WEST WALL - 22 FT NORTH | -143 | -7 | -0.1 | 5.7 |
| SOUTH WALL - 5 FT EAST - HIGH | -93 | -7 | -0.1 | -0.3 |
| SOUTH WALL - 16 FT EAST - LOW | 161 | -4 | -0.1 | -0.3 |
| SOUTH WALL - 22 FT EAST - LOW | 161 | -6 | -0.1 | 1.7 |
| EAST WALL - 6 FT NORTH | -179 | -5 | -0.1 | -0.3 |
| EAST WALL - 16 FT NORTH | -293 | -5 | -0.1 | -0.3 |
| EAST WALL - 22 FT NORTH | -246 | -4 | -0.1 | -0.3 |
| EAST WALL - XX FT NORTH | -239 | -3 | -0.1 | -0.3 |
| NORTH WALL - 3 FT EAST | 489 | -3 | -0.1 | -0.3 |
| NORTH WALL - 8 FT WEST | 621 | -3 | -0.1 | 0.7 |
| BUILDING 2281 - DECON ROOM B | | | | |
| WEST WALL - 2 FT SOUTH | -161 | -4 | -0.1 | -0.3 |
| WEST WALL - 12 FT SOUTH | -407 | -4 | 1.9 | 5.7 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|---------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| WEST WALL - 20 FT SOUTH | -225 | -4 | -0.1 | -0.3 |
| WEST WALL - 24 FT SOUTH | -279 | -4 | -0.1 | 1.7 |
| SOUTH WALL - 4FT WEST | -186 | 06 | -0.1 | -0.3 |
| SOUTH WALL - 4 FT NORTH | -425 | -4 | -0.1 | -0.3 |
| EAST WALL - 10 FT NORTH | -171 | -6 | -0.1 | 0.7 |
| EAST WALL - 20 FT NORTH | -68 | -4 | 0.9 | 2.7 |
| EAST WALL - 24 FT NORTH | -161 | -4 | -0.1 | 0.7 |
| EAST WALL - 28 FT NORTH | -207 | -4 | -0.1 | -0.3 |
| NORTH WALL - 4 FT EAST | 489 | -2 | -0.1 | 2.7 |
| NORTH WALL - 16 FT EAST | 189 | -2 | -0.1 | -0.3 |
| BUILDING 2281 - PREP LAB | | | | |
| NORTH WALL - 3 FT EAST | 832 | -4 | -0.1 | 0.7 |
| NORTH WALL - 15 FT EAST | 432 | -5 | -0.1 | 1.7 |
| WEST WALL - 7 FT SOUTH | -132 | -4 | -0.1 | -0.3 |
| WEST WALL - 14 FT SOUTH | -296 | -5 | -0.1 | -0.3 |
| WEST WALL - 23 FT SOUTH | -239 | -5 | -0.1 | 2.7 |
| SOUTH WALL - 6 FT EAST | 118 | -5 | -0.1 | -0.3 |
| SOUTH WALL - 15 FT EAST | -82 | -5 | -0.1 | -0.3 |
| EAST WALL - 2 FT NORTH | 757 | -4 | -0.1 | 0.7 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|----------------------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| EAST WALL - 7 FT NORTH | 800 | -4 | -0.1 | -0.3 |
| EAST WALL - 13 FT NORTH | -61 | -3 | 0.9 | -0.3 |
| EAST WALL - 23 FT NORTH | 564 | 2 | -0.1 | -0.3 |
| BUILDING 2281 - LAB 2 | | | | |
| T1 | -332 | -5 | -0.1 | -1.3 |
| S1 | -75 | -5 | -0.1 | -1.3 |
| M2 | -396 | -4 | -0.1 | -1.3 |
| L6 | -407 | -3 | -0.1 | -1.3 |
| R9 | -143 | -3 | -0.1 | -0.3 |
| R11 | 39 | -3 | -0.1 | 0.7 |
| O1 | -46 | -6 | -0.1 | -0.3 |
| L11 | -300 | -4 | -0.1 | -1.3 |
| N9 | -261 | -4 | -0.1 | 0.7 |
| BUILDING 2281 - HALLWAY OUTSIDE LAB 2 | | | | |
| X11 | -307 | -3 | -0.1 | -1.3 |
| V9 | -229 | -4 | -0.1 | 0.7 |
| BB11 | 493 | -3 | -0.1 | -0.3 |
| FF10 | -64 | -3 | -0.1 | 0.7 |
| BUILDING 2281 - LAB 2 OFFICE | | | | |
| V5 | -289 | -5 | -0.1 | -0.3 |
| U4 | -282 | -4 | -0.1 | -0.3 |
| V1 | -71 | -4 | 0.9 | 0.7 |
| U8 | -179 | -6 | -0.1 | 2.7 |
| X7 | 421 | -3 | -0.1 | 2.7 |
| X6 | 564 | -4 | 0.9 | -1.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| X3 | 400 | -4 | -0.1 | 0.7 |
| U1 | -257 | -4 | -0.1 | -0.3 |
| U4 | -336 | -6 | -0.1 | 1.7 |
| V1 | -139 | -5 | -0.1 | 0.7 |
| BUILDING 2281 - VAULT | | | | |
| JJ5 TOP | 150 | -3 | -0.1 | -1.3 |
| JJ7 BOTTOM | 754 | -3 | -0.1 | 1.7 |
| JJ5 BOTTOM | -79 | 4 | 0.9 | 0.7 |
| LL6 BOTTOM | -29 | -2 | -0.1 | -1.3 |
| LL8 BOTTOM | -314 | -2 | -0.1 | 0.7 |
| LL8 TOP | -139 | -2 | -0.1 | -1.3 |
| LL8 FLOOR | -164 | -3 | -0.1 | 0,7 |
| JJ5 FLOOR | -64 | -2 | -0.1 | -1.3 |
| DD1 | 582 | -4 | -0.1 | 2.7 |
| 1AA BOTTOM | 704 | 3 | 0.9 | -0.3 |
| 1AA TOP | 457 | 3 | 0.9 | -0.3 |
| 3Y BOTTOM | 486 | 3 | -0.1 | 2.7 |
| 4Y BOTTOM | 436 | -4 | | -1.3 |
| 5Y TOP | -207 | 2 | -0.1 | 0.7 |
| BB8 TOP | 132 | -4 | -0.1 | -0.3 |
| CC8 BOTTOM | -354 | -4 | -0.1 | -0.3 |
| Y8 BOTTOM | 471 | 3 | 0.9 | 1.7 |
| GG8 BOTTOM | 582 | 3 | -0.1 | -1.3 |
| II5 BOTTOM | -221 | 2 | -0.1 | -0.3 |
| II2 BOTTOM | -286 | 4 | -0.1 | -0.3 |
| II1 | -136 | 5 | -0.1 | -0.3 |

| Location/Grid | Fixed Point Measurement (dpm/100 cm ²) | uRem/Hr at one meter | Wipe Test Alpha (dpm/100 cm ²) | Wipe Test Beta (dpm/100 cm ²) |
|------------------------------|----------------------------------------------------|----------------------|--------------------------------------------|-------------------------------------------|
| BUILDING 2281 - LAB 2 | | | | |
| A8 | 136 | 0 | -0.1 | 2.7 |
| A2 | -7 | -2 | -0.1 | -1.3 |
| D1 | -189 | -2 | 0.9 | 0.7 |
| J1 | -318 | -4 | -0.1 | 0.3 |
| H1 | 57 | -1 | -0.1 | -0.3 |
| K-6 | -504 | -4 | 0.9 | 1.7 |
| G-11 | -64 | -2 | -0.1 | 0.7 |
| J-11 | -236 | -2 | -0.1 | -0.3 |
| J-7 | -296 | -4 | -0.1 | -1.3 |
| I-3 | -111 | -1 | -0.1 | 0.7 |
| F-1 | -32 | -2 | -0.1 | 0.7 |
| G-5 | -107 | -3 | -0.1 | 0.7 |
| C-9 | -32 | -2 | -0.1 | -1.3 |
| A-3 TOP | -136 | -2 | -0.1 | 0.7 |
| A-3 BOTTOM | -196 | -2 | -0.1 | 0.7 |
| A-9 | 218 | -2 | -0.1 | 1.7 |
| C-11 | -86 | -1 | -0.1 | 0.7 |