

Final Status Survey Report Review

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Licensee: US Dept of the Air Force Kirtland OT-10 training sites	License No. <u>42-23539-01AF</u> Docket No. <u>030-28041</u> Control No. <u>470562</u>
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Acceptance Criteria

- Overview of the results of the FSS
- Summary of the DCGLs for the facility (if DCGLs are used)

Th-232 + progeny - primary
U-238 + progeny
U-235 + progeny
- Discussion of any changes that were made in the FSS from what was proposed in the DP or other prior submittals

Remove Bunker 28005 in T58 from DP and transfer to DTRA (DoD) ∴ not released - This was approved.
- Description of the method by which the number of samples was determined for each survey unit

- Sat. ~ met Marssim.
- Summary of the values used to determine the number of samples and a justification for these values

- Sat. - met Marssim
- The survey results for each survey unit includes the following:
 - Number of samples taken for the survey unit. *Yes*
 - Description of the survey unit, including (a) map or drawing of the survey unit showing the reference system and random start systematic sample locations for Class 1 and 2 survey units, and random locations shown for Class 3 survey units and reference areas, (b) discussion of remedial actions and unique features, and (c) areas scanned for Class 2 and 3 survey units. *Yes*
 - Measured sample concentrations, in units that are comparable to the DCGLs. *- Yes*
 - Statistical evaluation of the measured concentrations *- Yes*
 - Judgemental and miscellaneous sample data set reported separately from those samples collected for performing the statistical evaluation. *Yes*
 - Discussion of anomalous data including any areas of elevated direct radiation detected during scanning that exceeded the investigation level or any measurement locations in excess of DCGLw; and

Yes - there was one sample which exceeded DCGLw, but not DCGLEMC and it satisfactorily passed WRS test. This is discussed in the Final SER. (ML 053460250)

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✓ Statement that a given survey unit satisfied the DCGLw and the elevated measurement comparison if any sample points exceeded the DCGLw.

✓ Description of any changes in initial survey unit assumptions relative to the extent of residual radioactivity (e.g., material not accounted for during site characterization.) *Yes, the areas were expanded and the invest-level was lowered: more conservative.*

✓ Description of how ALARA practices were employed to achieve final activity levels.

No Are there site-specific issues or complex technical topics for which additional information from the licensee may be needed to evaluate the FSSR?
The FSSR adequately addressed the items required by the DP and SER.

Minimal Technical Review

✓ Review previous inspection and confirmatory surveys to confirm the licensee has properly implemented the FSSP and associated procedures. *The NRC inspection process adequately evaluated the implementation of the DP and regulations.*

✓ Review the licensee's QA/QC program, if it has not been previously reviewed.

None at this point. Review changes to the DP or LTP, if not previous reviewed, to confirm that the changes are not significant and are technically correct.
Changes to the DP were implemented by License Condition during the process.

N/A Review any submittals to the DP or LTP which affect the FSSP, if they have not already been reviewed. (Such data may include supplemental characterization results, basis for final surrogate ratios for multiple radionuclide, or other data collected to specifically support the FSS.)

N/A Issues identified by intervenors and stakeholders or raised in allegations, to assure such issues have been satisfactorily resolved.

None Descriptions of survey units, to determine if any special survey situations are present. (Please refer to Appendix G of Volume 2).

Yes - Satisfactorily Results of elevated measurement comparisons, to confirm that small areas of residual radioactivity do not exceed the appropriate limits (e.g., DCGL_{EMC}).
The FSSR adequately addressed the survey units.

Yes Results of elevated measurement comparisons, to confirm that small areas of residual radioactivity do not exceed the appropriate limits (e.g., DCGL_{EMC}).
Yes, there was one sample out of 859 soil samples. This was sat. addressed in FSSR + documented in FSR.

Yes Result of the appropriate statistical tests to confirm that results indicate compliance.

Performed By: Kachel S. Browder Date: 12/9/05

The review of the FSSR is documented in the Final Safety Evaluation Report, dtd 12/9/05; located at ML053460250.
 RSB