



Reports

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Refer to: ENV-MAQ:05-320

Recipients of the 2004 ESR, "Environmental Surveillance at Los Alamos National Laboratory during 2004":

We regret that there is an error in the text in chapter 5 of the ESR for 2004. The error occurred during final formatting of the document and resulted in omission of part of a sentence and an incorrect paragraph break. The two paragraphs on the bottom of page 133 should read:

Alluvial groundwater in DP and Los Alamos canyons continues to show strontium-90 at up to 4.6 times the 8-pCi/L EPA MCL (Figure 5-9). The strontium-90 value in LAO-3A was also 90% of the 4-mrem DOE DCG for drinking water dose. A few other LANL-derived radionuclides were found in alluvial groundwater at values well below the 4-mrem DCGs.

Tritium levels in alluvial groundwater in these two canyons have fallen sharply since the cessation of discharges. In Los Alamos Canyon alluvial groundwater, low-detection-limit tritium values ranged from 81 pCi/L upstream of the former Omega West Reactor to 208 pCi/L downstream of DP Canyon. Intermediate groundwater values were 8 pCi/L at LAOI(A)-1.1, 250 pCi/L at R-9i, and 48 pCi/L at Basalt Spring. R-9 in the regional aquifer showed 16 pCi/L and O-4 showed 1.5 pCi/L, whereas results from other regional wells (R-7, TW-3, and LA-5) were nondetections. Duplicates, reanalyses, and other samples from O-4 were nondetections.

The versions of the ESR that are posted on the web (<http://www.airquality.lanl.gov/pdf/ESR/LA-14239-ENV.pdf>) have been corrected. To correct your copy, you may:

- 1) cover the incorrect text on page 133 with the correction sticker that is enclosed;
- 2) print page 133 from the web to insert into your copy; or
- 3) bring your copy of the document to our offices in White Rock and we will make a correction to your copy.

We can also replace your CD with a corrected version if you return it to us.

We apologize for this error. Please contact Terry Morgan at 665-0636 or t1m@lanl.gov if you have any questions or Delilah Baldonado at 665-8856 to obtain corrected materials.

Meteorology and Air Quality Group

TLM:db

Enc: a/s

Cy:
ENV-MAQ File



Alluvial groundwater in DP and Los Alamos canyons continues to show strontium-90 at up to 4.6 times the 8-pCi/L EPA MCL (Figure 5-9). The strontium-90 value in LAO-3A is also 90% of the 4-mrem DOE DCG for drinking water use. A few other LANL-derived radionuclides were found in alluvial groundwater at values well below the 4-mrem DCGs.

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