

Rocky Flats ETS

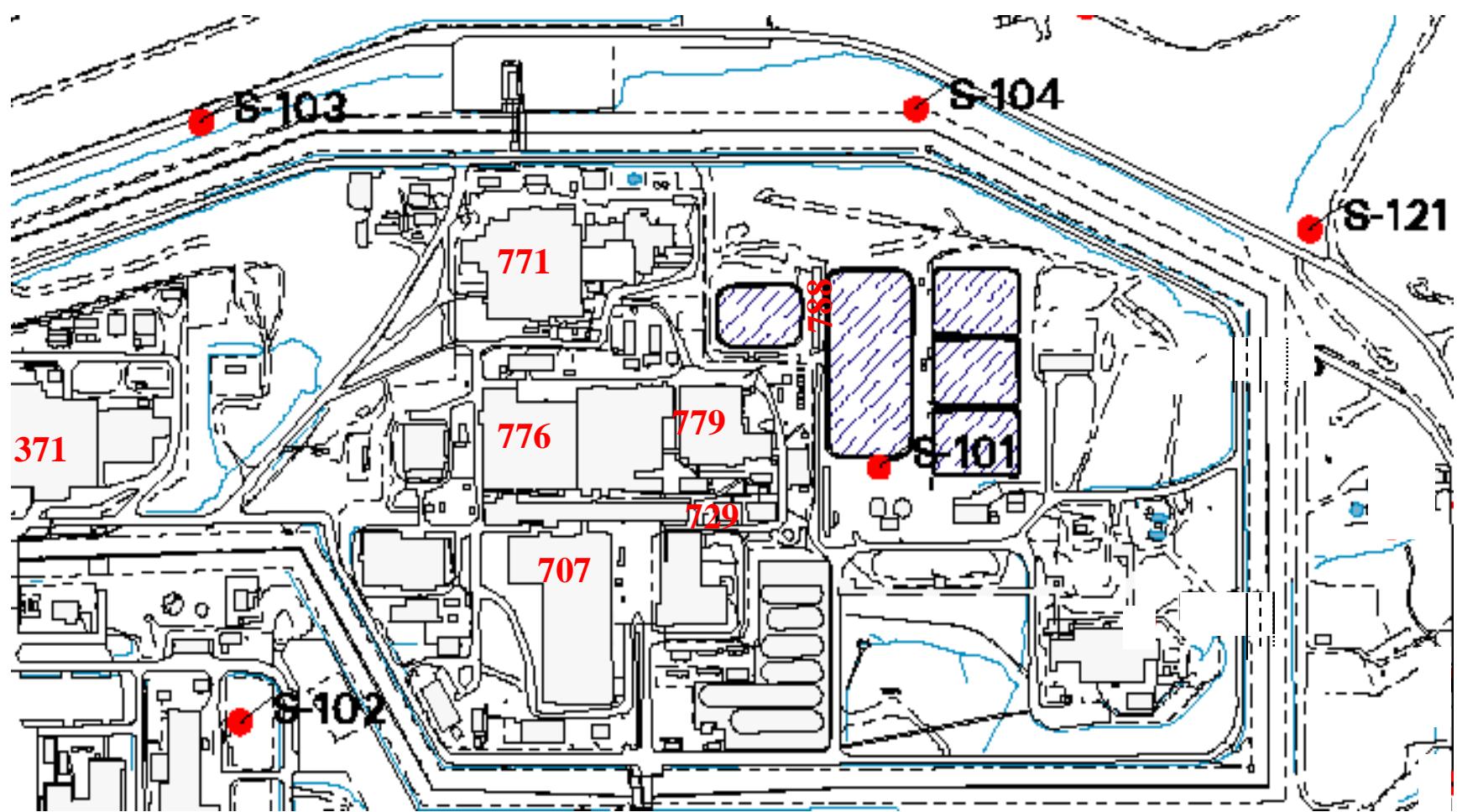
Ambient Air Monitoring Program



1999 Special Project Monitoring:

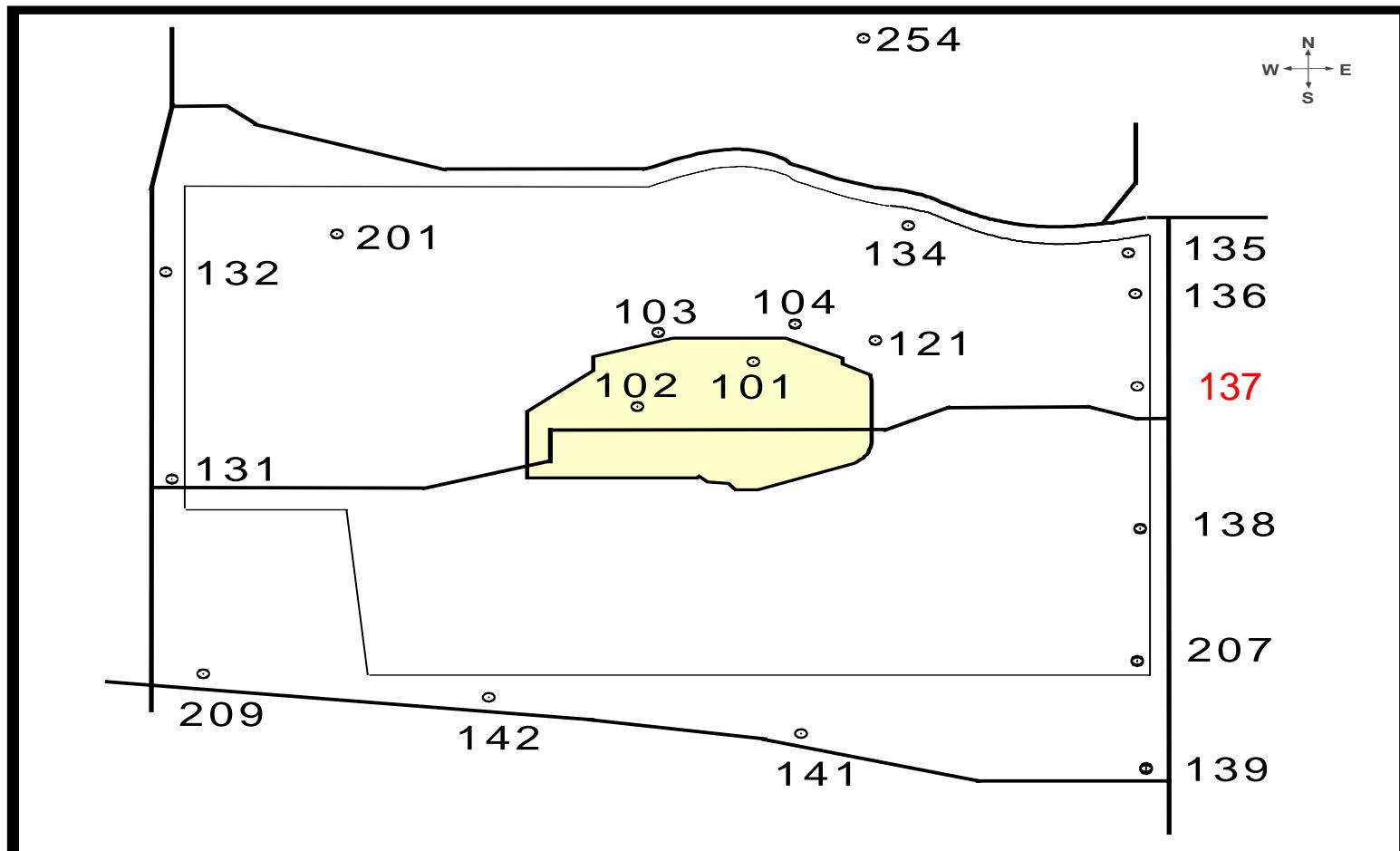
Concentrations of radionuclides in the ambient air around RFETS decommissioning & demolition projects.

Ambient Air Monitors at RFETS: *Special Project Monitors and PA Buildings*



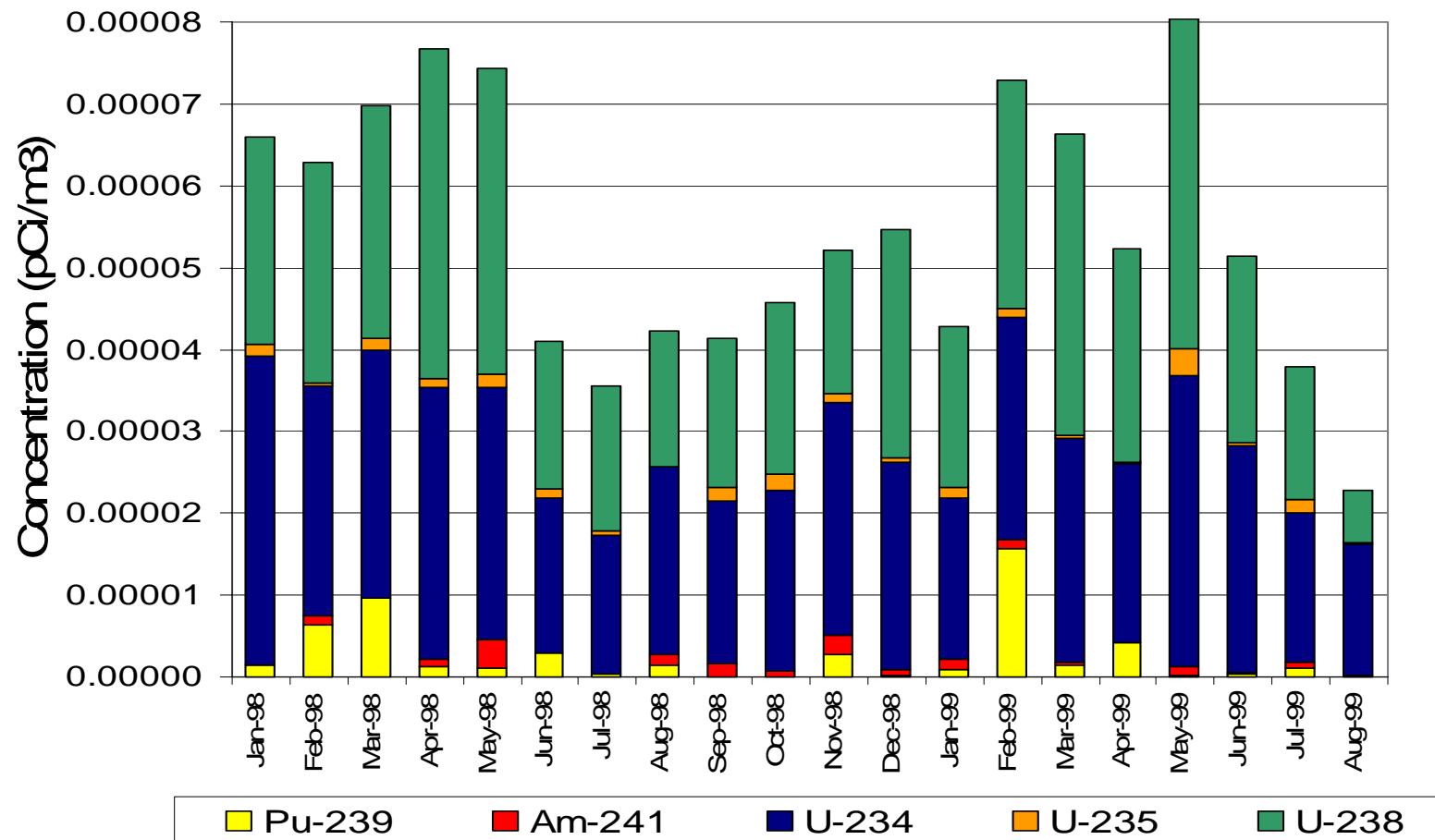
Ambient Air Monitors at RFETS:

Special Project Monitors & Perimeter Monitors



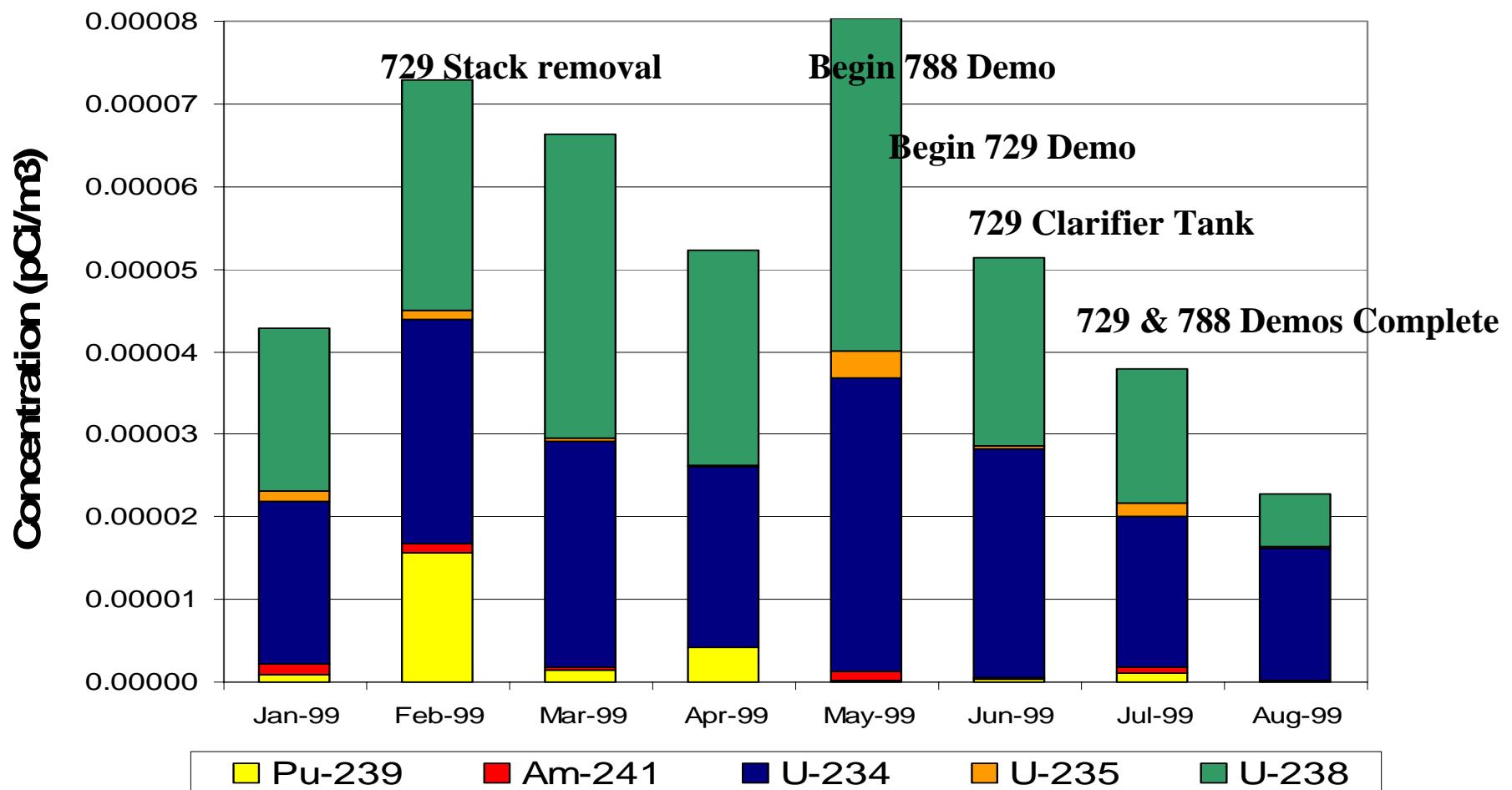
Special Monitoring Reference:

Fenceline Ambient Monitor S-137



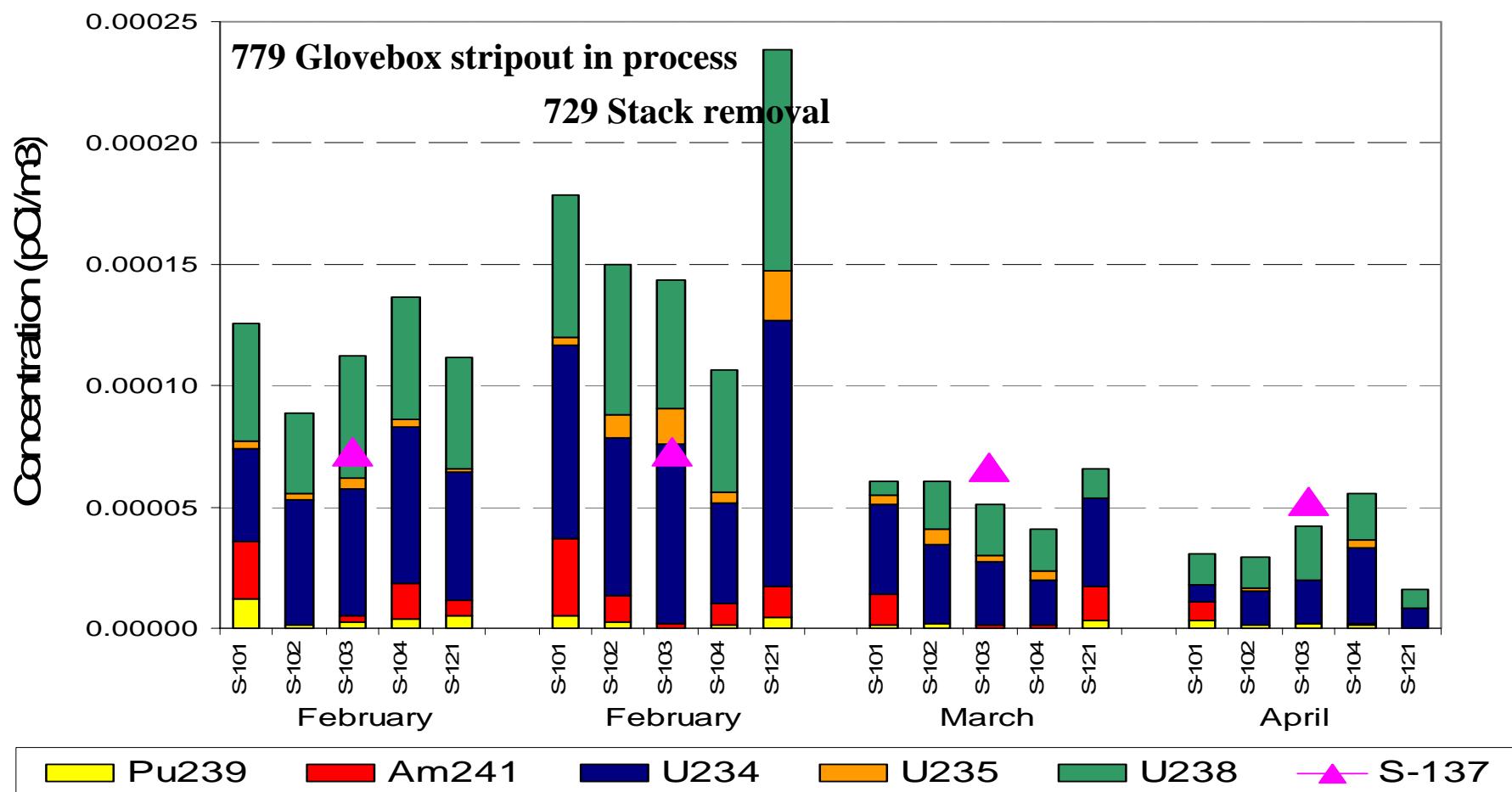
Special Monitoring Reference:

Fenceline Ambient Monitor S-137



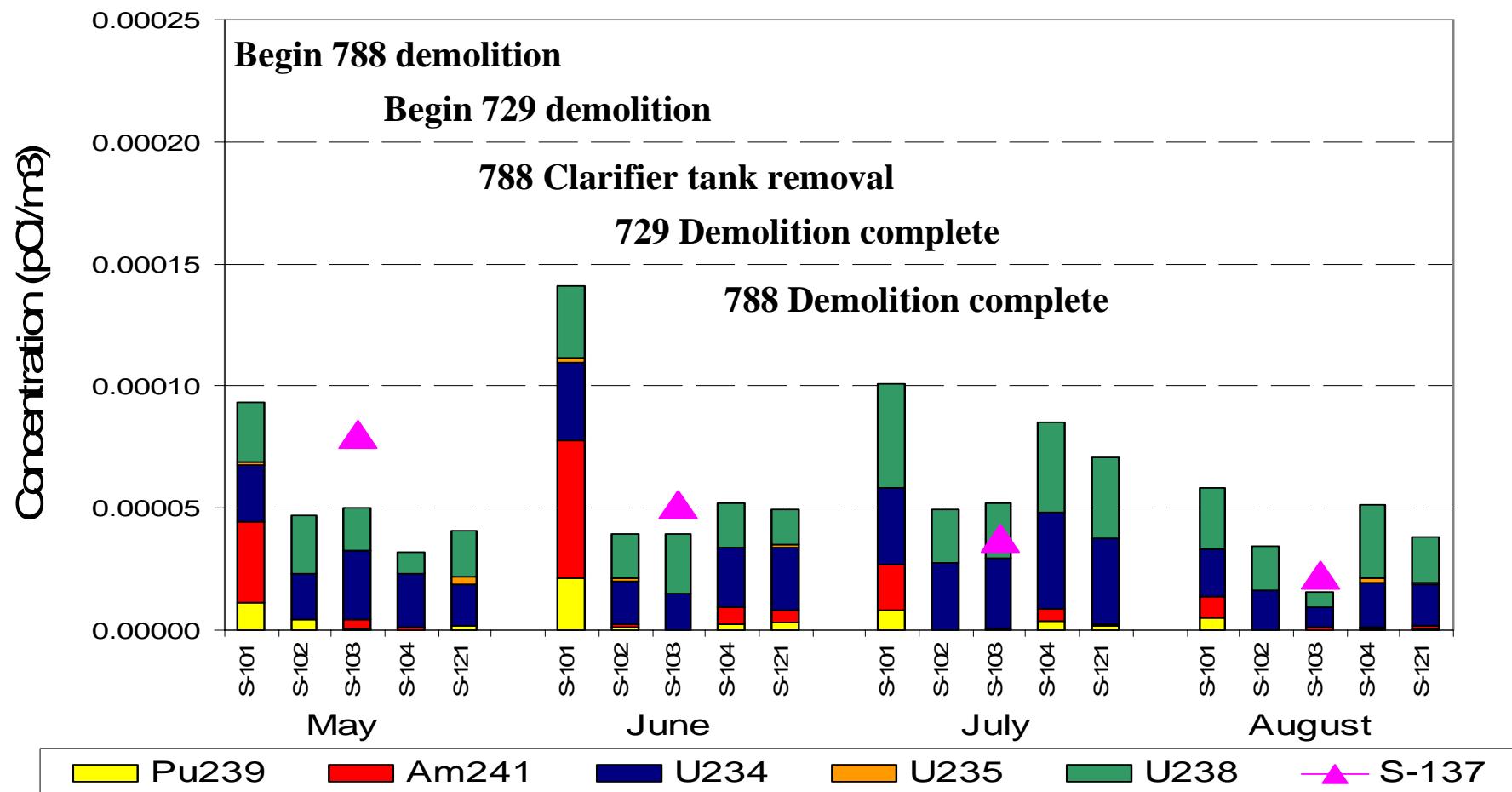
Special Project Monitoring Results:

February-April, 1999



Special Project Monitoring Results: *April-August, 1999*

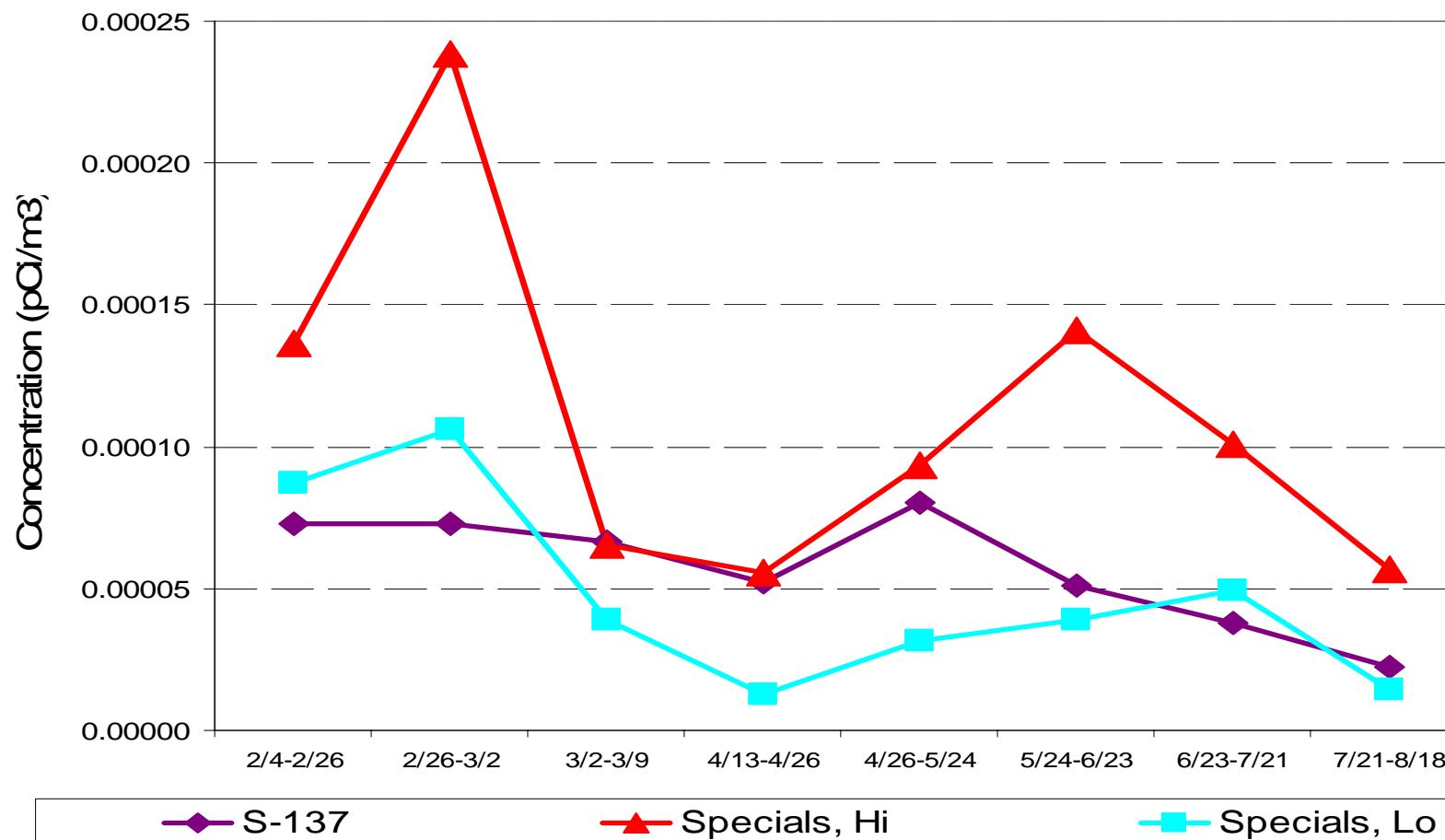




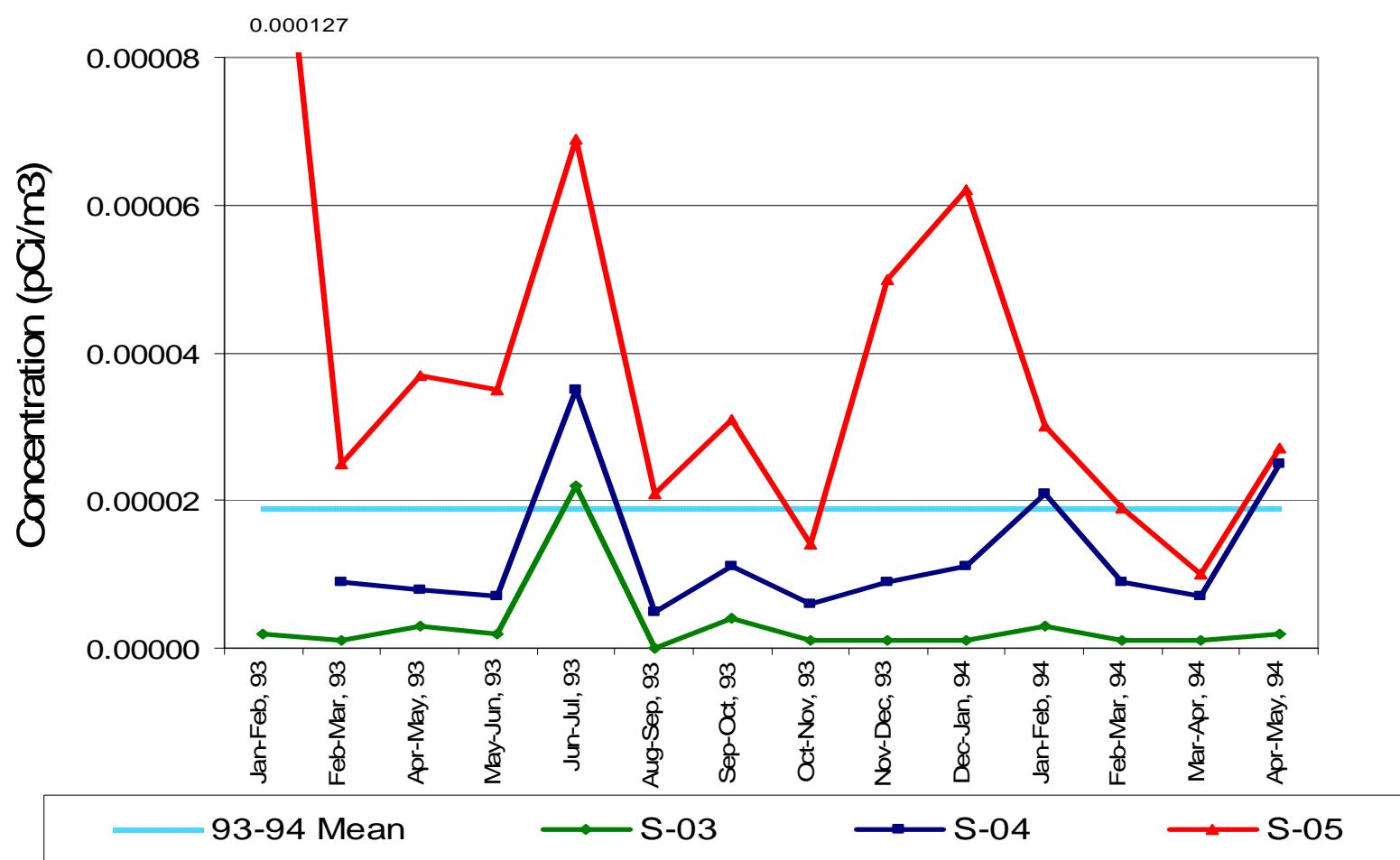
Summary of Ambient Concentration of Radionuclides, 1999 Special Monitoring

- 1999 "Special" Isotopic Concentrations:
- (Units are pCi/m³)
 - Lowest observed: 1.25×10^{-5} , in April 1999, at sampler S-121
 - Highest observed: 2.38×10^{-4} , in Late February 1999, at sampler S-121
 - Average, sum of all isotopes, 1999 specials: 7.37×10^{-5} for all samplers

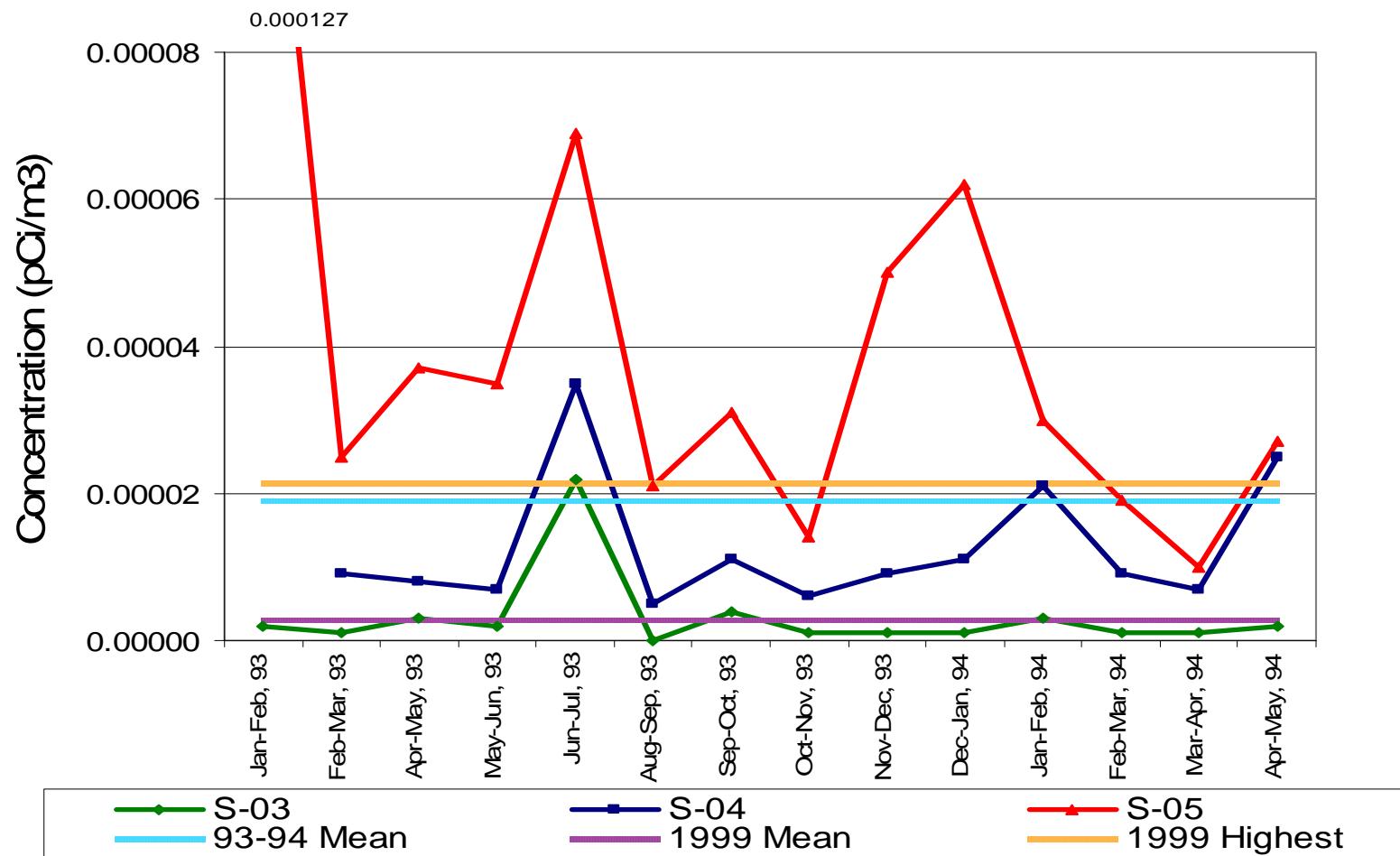
Summary Comparison of S-137 vs. Special Projects Monitoring, 1999



1993-1994 Ambient Concentration of Pu239 at Special Monitoring Sites



Comparison of 1993-1994 Ambient Concentration of Pu239 to 1999 Data



Special Project Monitoring:

Conclusions



- The special monitors are capable of identifying isotopic activity resulting from D&D projects on Site.
- Current project impacts are not significantly different from historic periods of inactivity, based on comparisons of 1993, 1994, and 1999 on-Site data.