

UNIVERSITY OF CALIFORNIA  
LOS ALAMOS SCIENTIFIC LABORATORY  
(CONTRACT W-7405-ENG-36)  
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LOS ALAMOS, NEW MEXICO 87545

IN REPLY  
REFER TO: H12-79-263  
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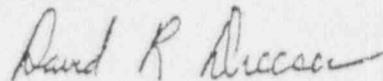
June 26, 1979

Mr. Ross A. Scarano, Section Leader  
New Facilities Section, Uranium  
Recovery Licensing Branch  
Division of Waste Management  
US Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Scarano:

I am writing to summarize the sampling trip made by Los Alamos Scientific Laboratory (LASL) personnel to Canon City, Colorado to investigate possible trace element contamination near the Cotter Corporation uranium mill. Frnie Gladney and Dan Perrin from LASL were assisted by Ken Weaver of the Colorado Department of Health during the week of June 10 in obtaining surface and ground water, surface and subsoils as well as vegetation samples. Enclosed is a list of samples collected with an accompanying map to illustrate sampling locations. A total of 12 water, 17 soils, and 10 vegetation samples were collected. As of June 25, uranium, sulfate, chloride and some molybdenum and selenium analyses were completed. Within a few days you should be receiving the initial set of LASL analytical results. If you have any questions please let me know (FTS-843-3004).

Sincerely,



David R. Dreesen  
Group H-12  
Environmental Sciences Group

DRD:tj (F217)

Enc: a/s

xc: Mr. Ray Cooperstein, NRC (enc. LA-UR-78-2147)

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### Water Samples

1. Sand Creek Dam - pond behind dam
2. Sand Creek Dam - seep below dam
3. Bosco House Well - pumped
4. Bosco Field Well - bailed
5. Ransom Well - pumped
6. Peterson Well - pumped
7. Dye Irrigation Ditch - near Peterson house
8. McKellar Well - hand pumped
9. Interception Trench - below Cotter Mill above Sand Creek Dam
10. Arkansas River - background station (same as used by Cotter Corp.)
11. Boughton Well
12. Arkansas River - downstream at Fourmile Bridge

### Soil Samples

1. Sand Creek Dam - base of dam 15cm depth
2. Sand Creek Dam - base of dam 45cm depth
3. 100m Downstream from Sand Creek Dam - 15cm depth
4. 100m Downstream from Sand Creek Dam - 45cm depth
5. Bosco Field - 15cm depth
6. Bosco Field - 45cm depth
7. Ransom Field - 15cm depth
8. Ransom Field - 45cm depth
9. Peterson Flower Bed - 15cm depth
10. McKellar Pasture - dry channel in pasture - 15cm depth
11. McKellar Pasture - dry channel in pasture - 45cm depth
12. May Residence - 15cm depth
13. May Residence - 45cm depth
14. Boughton Residence - 15cm depth
15. Boughton Residence - 45cm depth
16. Chase Residence (1429 Cedar) - 15cm depth
17. Chase Residence (1429 Cedar) - 45cm depth

### Vegetation Samples

1. Rye Grass - Bosco field
2. Grama Grass - Ransom field
3. Grass - Peterson flower bed
4. Grass - Dye irrigation ditch
5. Vegetation - May residence
6. Apples - Boughton residence
7. Cherries - Boughton residence
8. Asparagus - Chase residence (1429 Cedar)
9. Cherries - Chase residence (1429 Cedar)
10. Apples - Shane residence (1427 Cedar)

