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OR

# Environmental Impact Statement for Remediation of Area IV and the Northern Buffer Zone

Santa Susana Field Laboratory

#### NO ACTION

Radionuclides naturally decay

Some chemicals naturally decompose

# **CONSERVATION OF** NATURAL RESOURCES



Remove 148,000 yd<sup>3</sup> of soil that presents a risk to human health



11,100 truckloads to remove soil



Use 8 million gallons of water

### **CLEANUP TO REVISED LUT VALUES**



Remove 148,000 yd<sup>3</sup> of soil that presents a risk to human health



Remove an additional 44,000 yd<sup>3</sup> of soil based on risk-based levels for chemicals



14,400 truckloads to remove soil



Use 8.3 million gallons of water

#### **CLEANUP TO AOC LUT VALUES\***



Remove 148,000 yd<sup>3</sup> of soil that presents a risk to human health



Remove an additional **44,000 yd**<sup>3</sup> of soil based on risk-based levels for chemicals



Remove an additional **741,000 yd**<sup>3</sup> of soil that is below risk-based levels but chemicals are above AOC LUT values; Radionuclides are at or below AOC LUT values



70,000 truckloads to remove soil



Use 40 million gallons of water

2 Years

2.5 Years

#### 10 Years

# NO ACTION

Limited monitoring

OR

#### MONITORED NATURAL ATTENUATION



Active monitoring for:

- Trichloroethylene (TCE) plumes—10-50 years
- Strontium-90 source—up to 150 years
- Perchloroethylene (PCE) plume—20 years
- Tritium plume—8 years

#### TREATMENT & MONITORED NATURAL ATTENUATION



Onsite treatment for TCE & PCE plumes



Dig down to bedrock to remove strontium-90 source



Closely monitor small TCE and tritium plumes

#### NO ACTION

18 buildings remain onsite

#### **BUILDING REMOVAL**

Remove 18 buildings

OR

1,500 truckloads to remove material

2 Years

