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Aerospace Cancer Museum of Education (acmela.org)

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**REQUEST FOR ADDITIONAL SAMPLING/ANALYSIS
SANTA SUSANA FIELD LABORATORY – RFI GROUP 8
AREA OF CONCERN: BLDG 56 LANDFILL/EXCAVATION AREA
OUTFALL 7**

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Cleanuprocketdyne.org CUROC

- CUROC is a community collaboration. It is through interviews, discussion, and collaborative research that we have been able to better understand the challenges in proper characterization and clean-up of the Santa Susana Field Laboratory.
- Through our photographs, and extensive research, both on the ground, from the air, and in reading these reports, we hope to provide insight and information that will assist in finding the most problematic areas that require corrective measures, as well as interim remediation measures, as needed by the surrounding communities, which we refer to as the “people below.”
 - Christina Walsh
 - William Preston Bowling (also Founder, ACMELA.org)
- Community Collaboration: it’s through our interaction with other interested people in the community, as well as, within the regulatory body, that we have been able to match the data to the visuals. We feel that if you can physically see evidence that is indicative of contaminated soils and waterways, then it must be considered within the scope of the NPDES permitted water-quality efforts with regard to the Santa Susana Field Laboratory
- Thank you in advance for your consideration.

Outfall 7 Location

- We believe that the location of outfall 7, while providing for water-quality testing of effluent stormwater runoff that may come from Building 100 specifically, the stormwater runoff that carries surficial soil erosion from other important potential point-source locations is not being captured.
 - It does not adequately address the stormwater runoff from Buildings 462/463 (SPTF and CHCF).
 - Building 100 Trench which is described as having been used for burning of potentially hazardous wastes (SAIC 91).
 - Building 56 Landfill and Excavation areas which are described as the location where materials from the D&D operations from the SCTI reactor facility was deposited.

89 Drums of hazardous waste was stored “on top” of the landfill, DOE report states this area qualifies as a potential CERCLA site under DOE order 5400.4

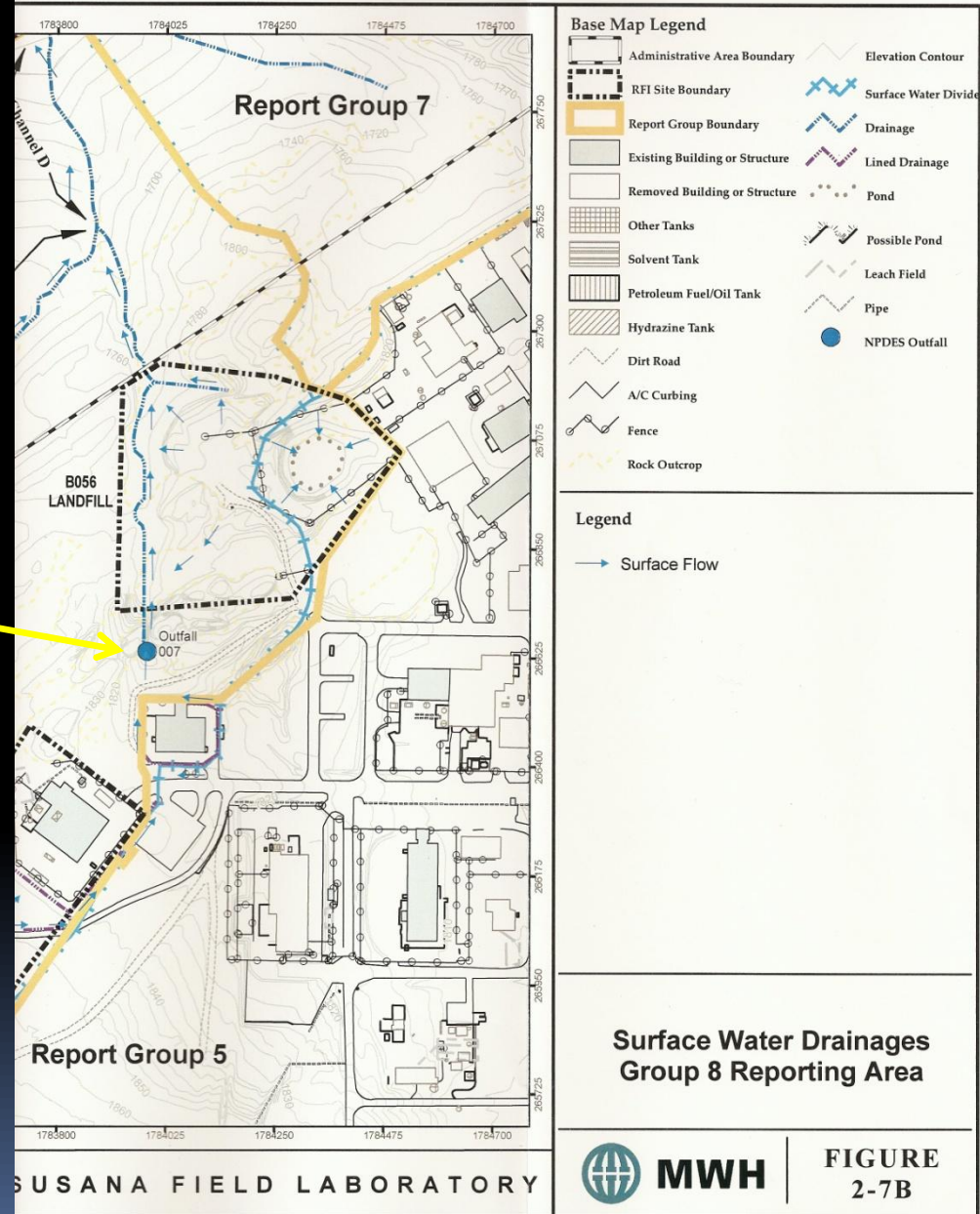
This hole is 50 feet deep and the fill sediment thickness is “unknown”



Location of Outfall 7 is intended, based on bmp structural solution, to deal with water draining from the Building 100 lower slope, but misses all effluent water draining from the Building 100 landfill and excavation areas.

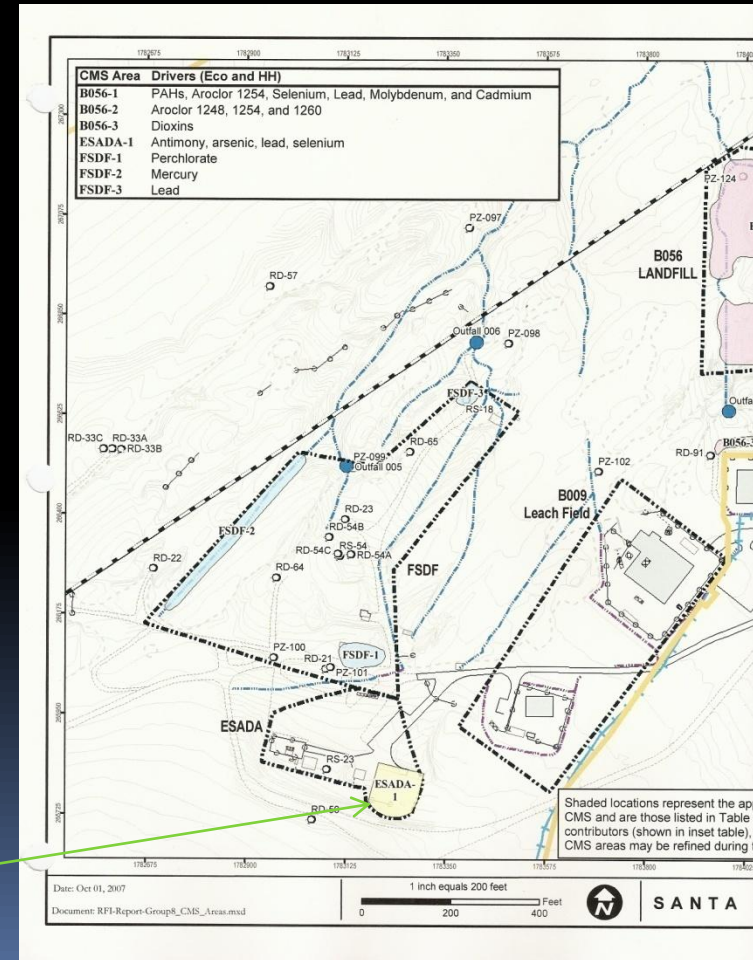
The drums stored on top of the Bldg 56 Landfill area are described as having contained hazardous wastes including reaction products and TCE and other VOCs.

Oil and Grease up to 1100 mg/kg and groundwater impacts in RD7 at 130ppb TCE



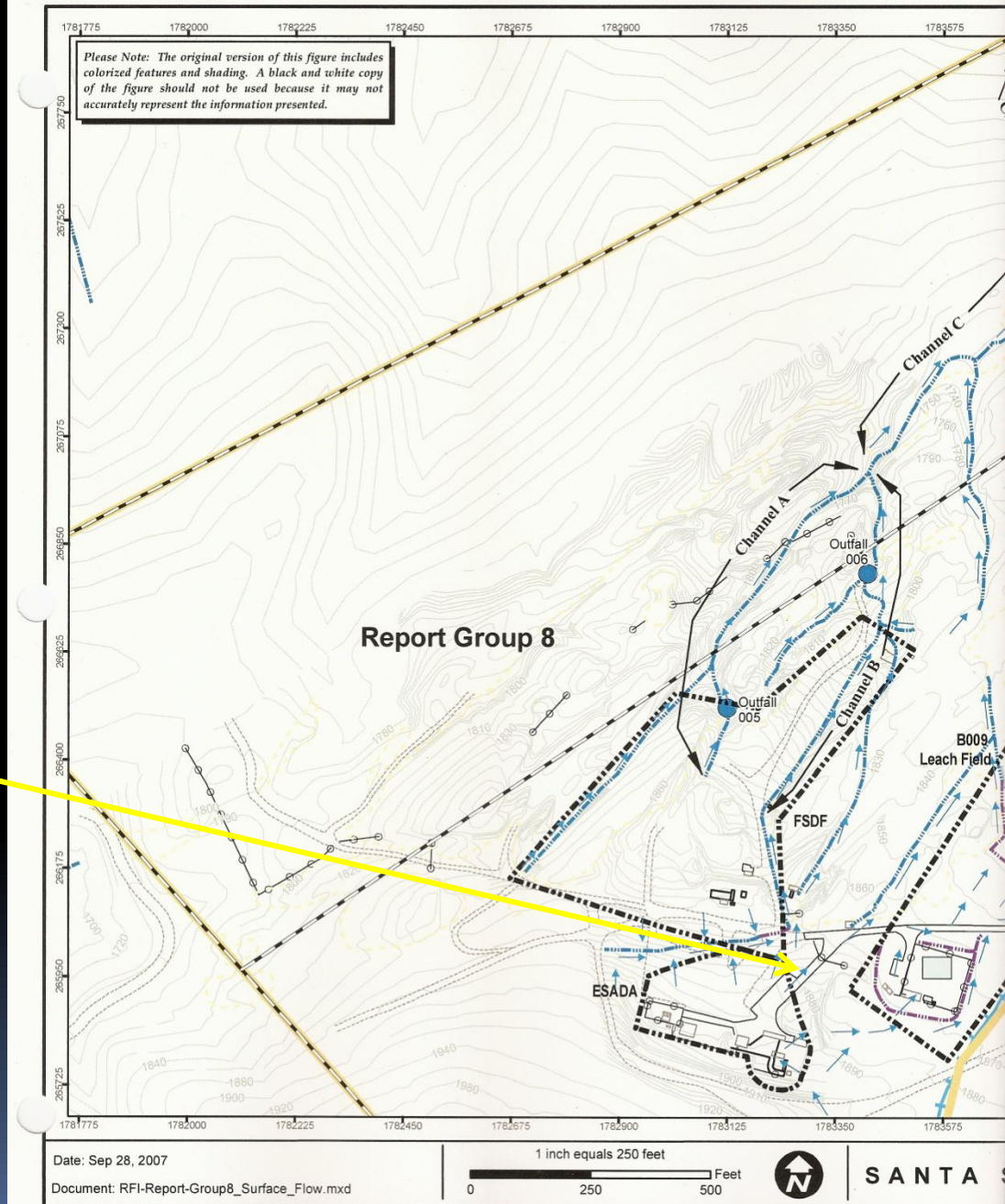
Outfall 6 also misses contaminants from ESADA:

Through the use of drainage culverts, we believe that drainage from the ESADA by-passes the outfall 6 location, going under the road and following the water-divide toward Building 9 leachfield area.

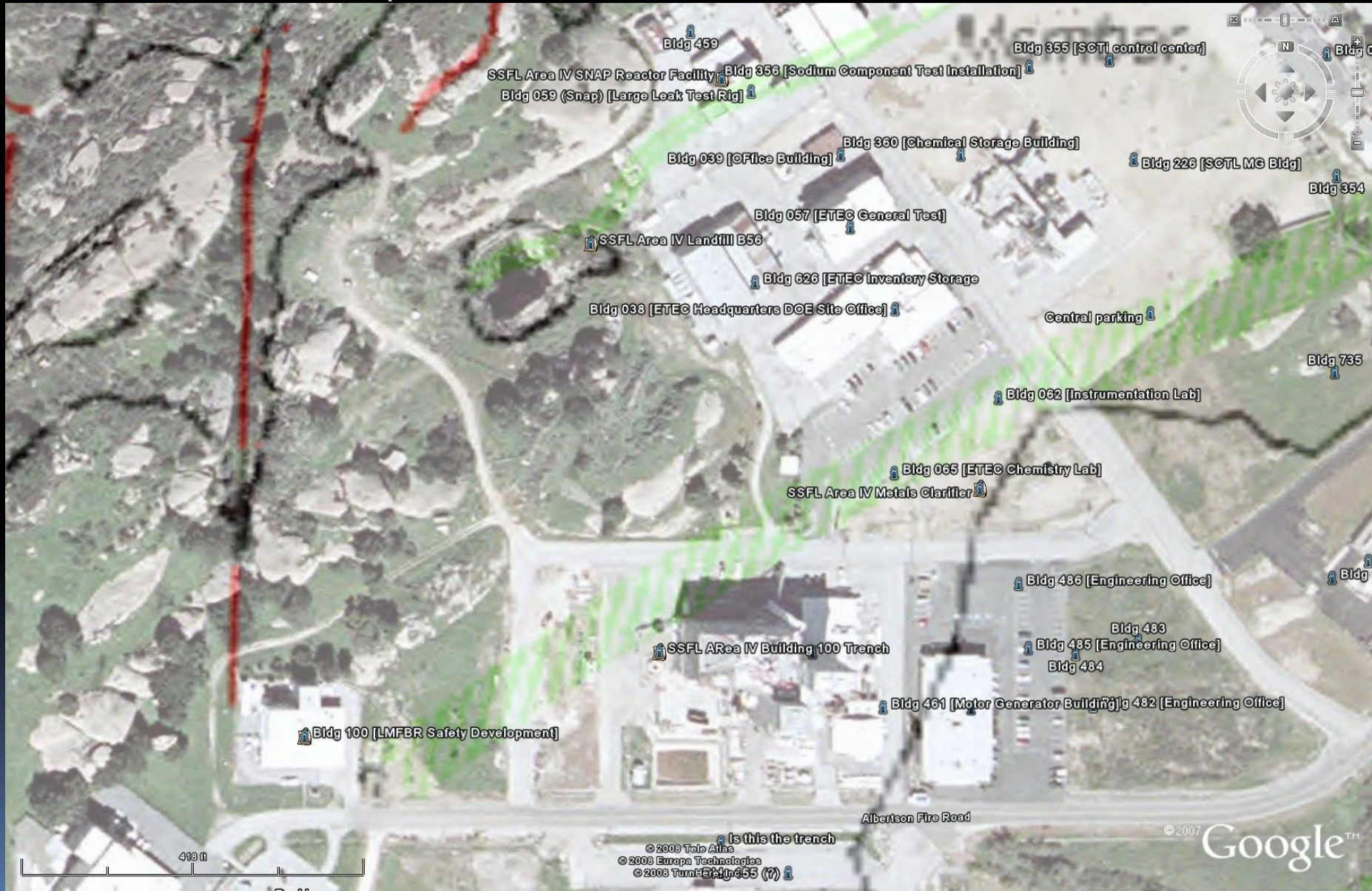


Water Divides:

This area shows under-road culvers that direct storm-water runoff:



Fault runs from south to north (overlay of Fig 2-5 of known faults shown in red), beginning from Building 100 down the drainage. This area of the B56 Landfill is not showing sampling even though sediment fill was deposited here as well as in the excavation hole.



Bldg 56 Landfill area:



Building 56 Landfill:

Connection to groundwater is also important and presents a migration pathway continuous release, generation of subsurface gas, making it a continuous threat to groundwater and also a potential source for release to air.



Outfall 7 location:



Conclusion:

- We believe that a sampling program is appropriate for this area based on the historical uses of the landfill itself, as well as long-term storage of 89 drums of hazardous wastes on top of the landfill (removed in 1980/1981). SAIC 91
- Pursuant to Section 13267 of the California Water Code it is appropriate to employ a monitoring program for these locations to determine if further action is needed.
- Thank you in advance for your consideration.