STORMWATER QUALITY
SANDIA NATIONAL LABORATORIES, NM

Regulated by the US Environmental Protection Agency (EPA)
National Pollutant Discharge Elimination System (NPDES):

- Municipal Separate Storm Sewer System (MS4) Permit
- Multi-Sector General Permit (MSGP)
- Construction General Permit (CGP)

- Regular inspections at over 40 locations
- Water quality sampling at over 20 locations
- Annual reporting to EPA, NM Environment Department, and Isleta Pueblo

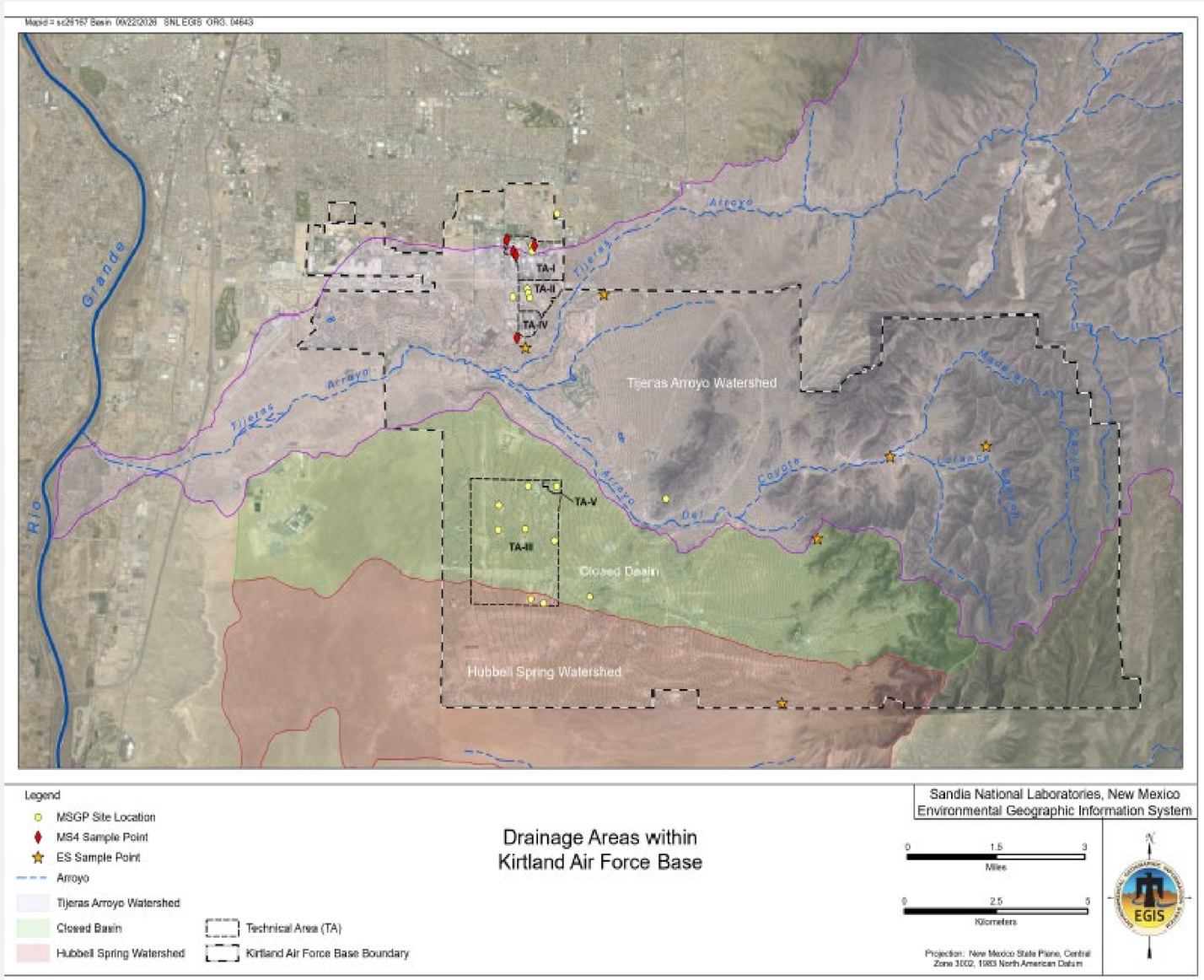
Control Measure Programs:

- Construction Site Runoff
- Post-Construction Site Runoff
- Pollution Prevention and Good Housekeeping
- Illicit Discharge Detection and Elimination
- Control of Floatables
- Public Education and Outreach
- Public Involvement and Participation

All EPA deliverables are available through the UNM Digital Repository:
http://digitalrepository.unm.edu/snl_ms4/





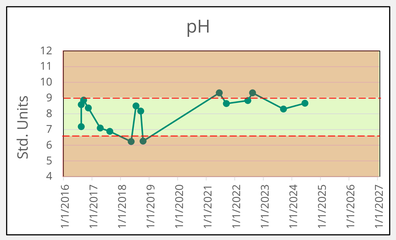



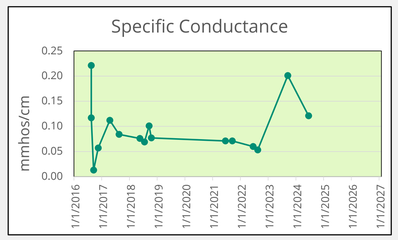
Sandia National Laboratories
U.S. DEPARTMENT of ENERGY NNSA

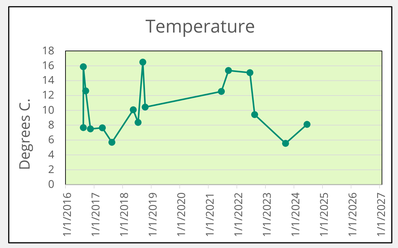
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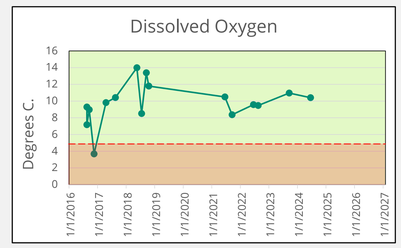
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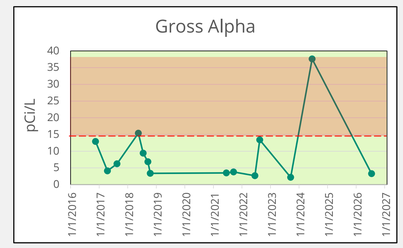
STORMWATER QUALITY AT SWSP-05
SANDIA NATIONAL LABORATORIES, NM

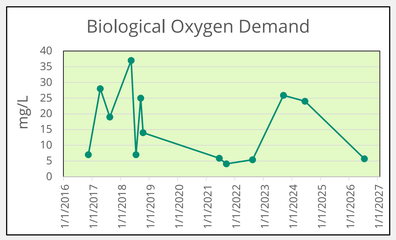


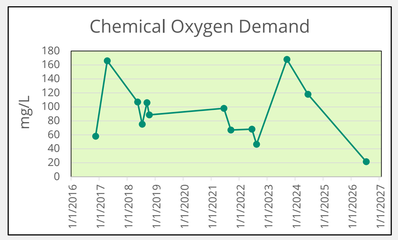


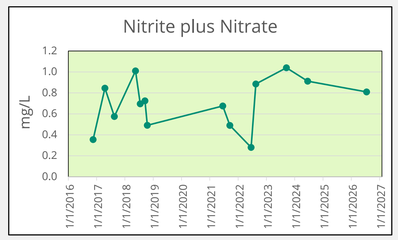


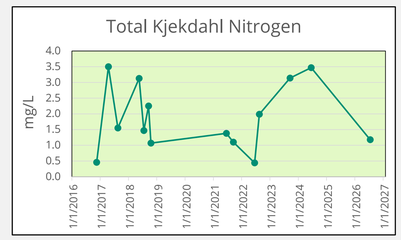


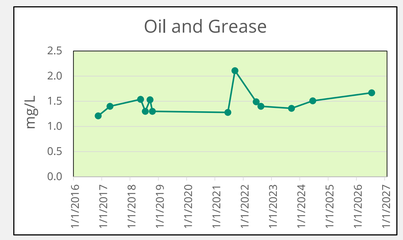


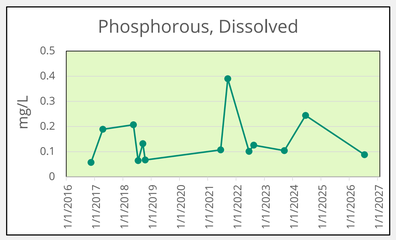


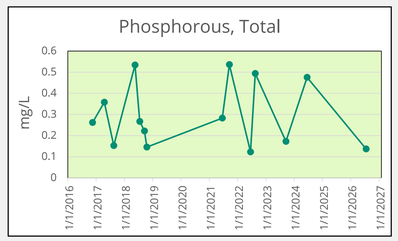


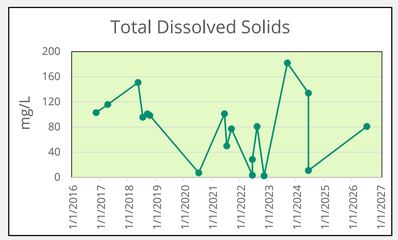


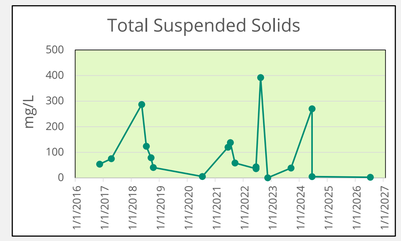


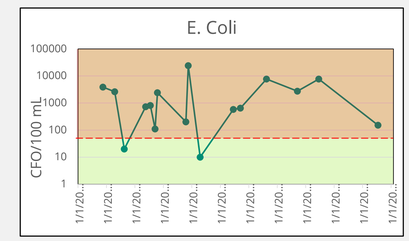


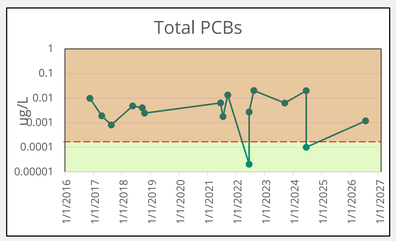












<u>E. Coli Characterization and Reduction</u>:

- Similar to E. Coli concentration elsewhere in Metro area and NM
- Source Tracking Study ruled out human, canine, avian sources
- Suspect skunks, raccoons, other rodents
- Implementing wildlife preclusion and decreasing attractants

<u>PCB Characterization and Reduction</u>:

- Similar to PCB concentrations elsewhere in Metro area and NM
- Fingerprinting study identified potential point source upgradient of MS4. Atmospheric samplers find ~50% from deposition in rain.
- Suspect historic sources and atmospheric transport
- Reducing sediment load to the stormdrain system

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