

PNM San Juan Generating Station Decommissioning

USWAG Decommissioning Conference

May 21, 2025

E.J. Anderson, CHMM

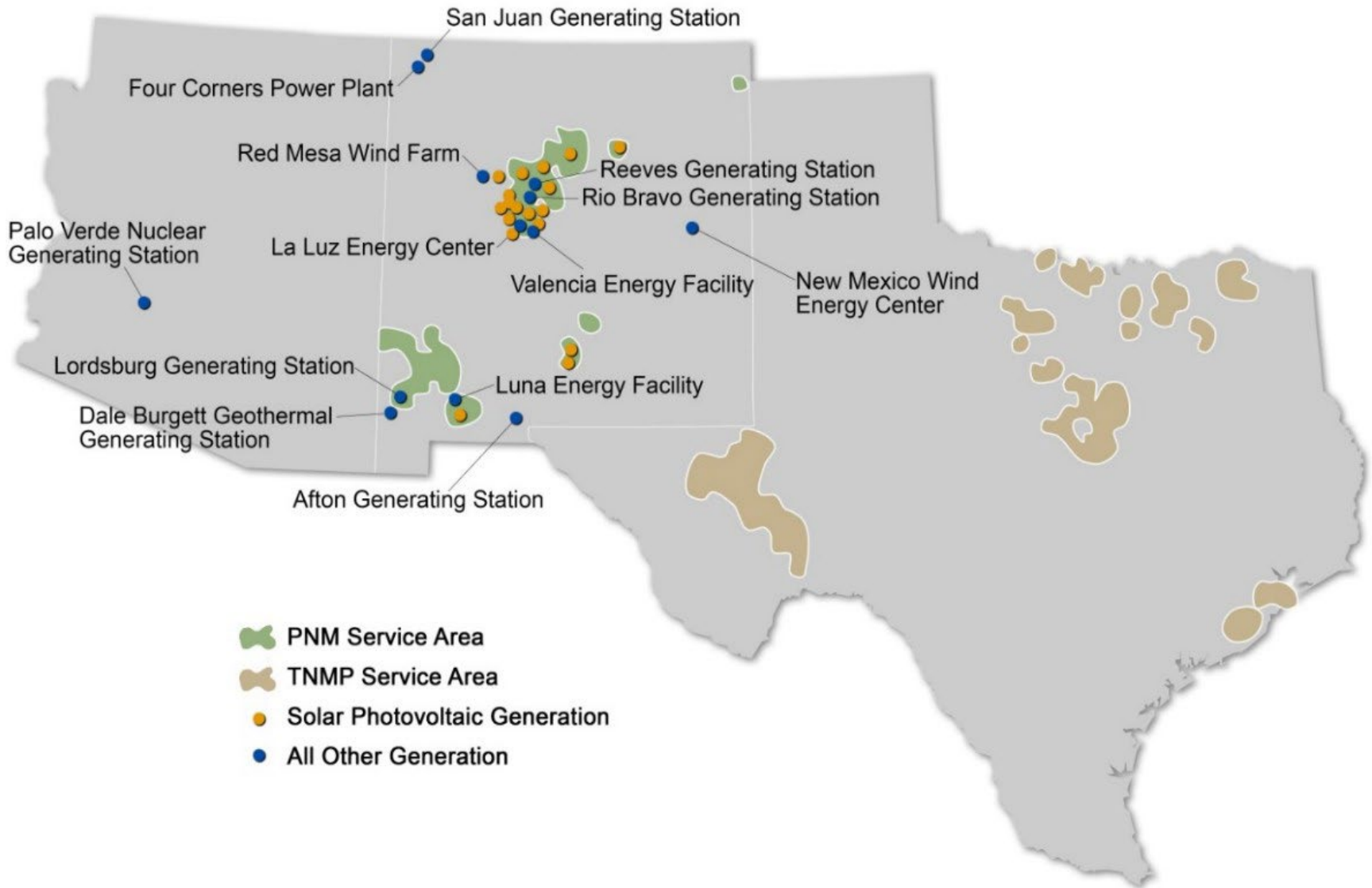
TXNM Energy

Environmental Manager-

Facility Compliance

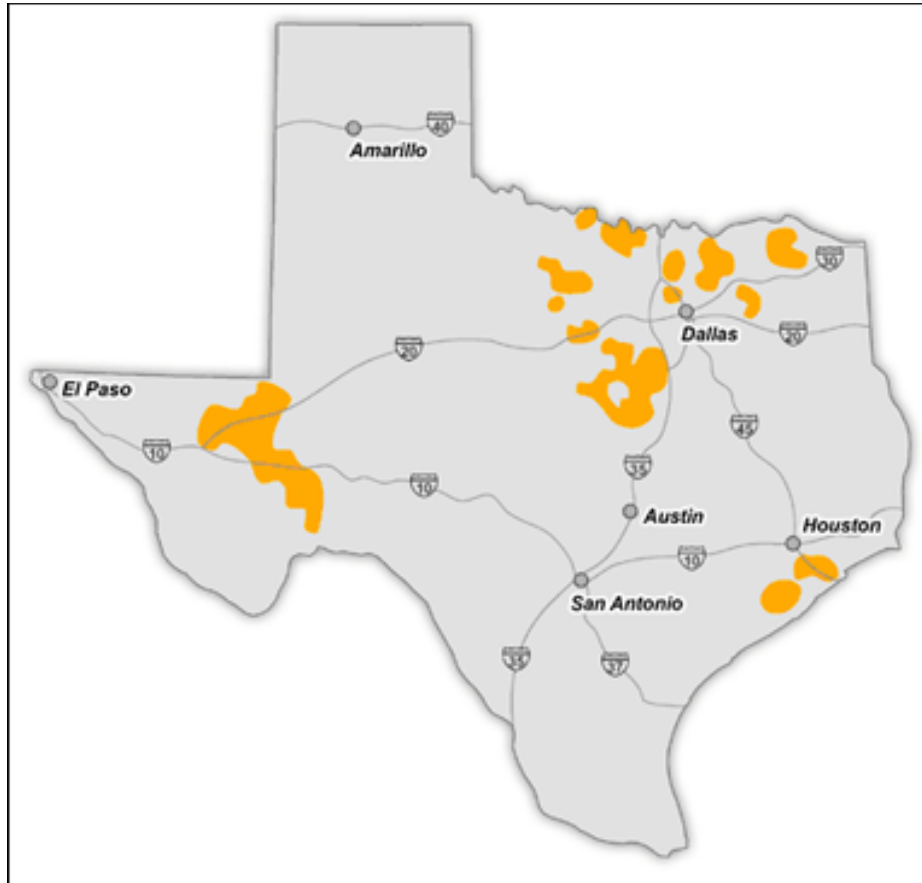


- Who we are
 - TXNM Energy
- San Juan Generating Station Overview
- Demolition Plan
- Challenges
- Current Demolition Status
- Regulatory Environment
- Future Site Uses
- Questions



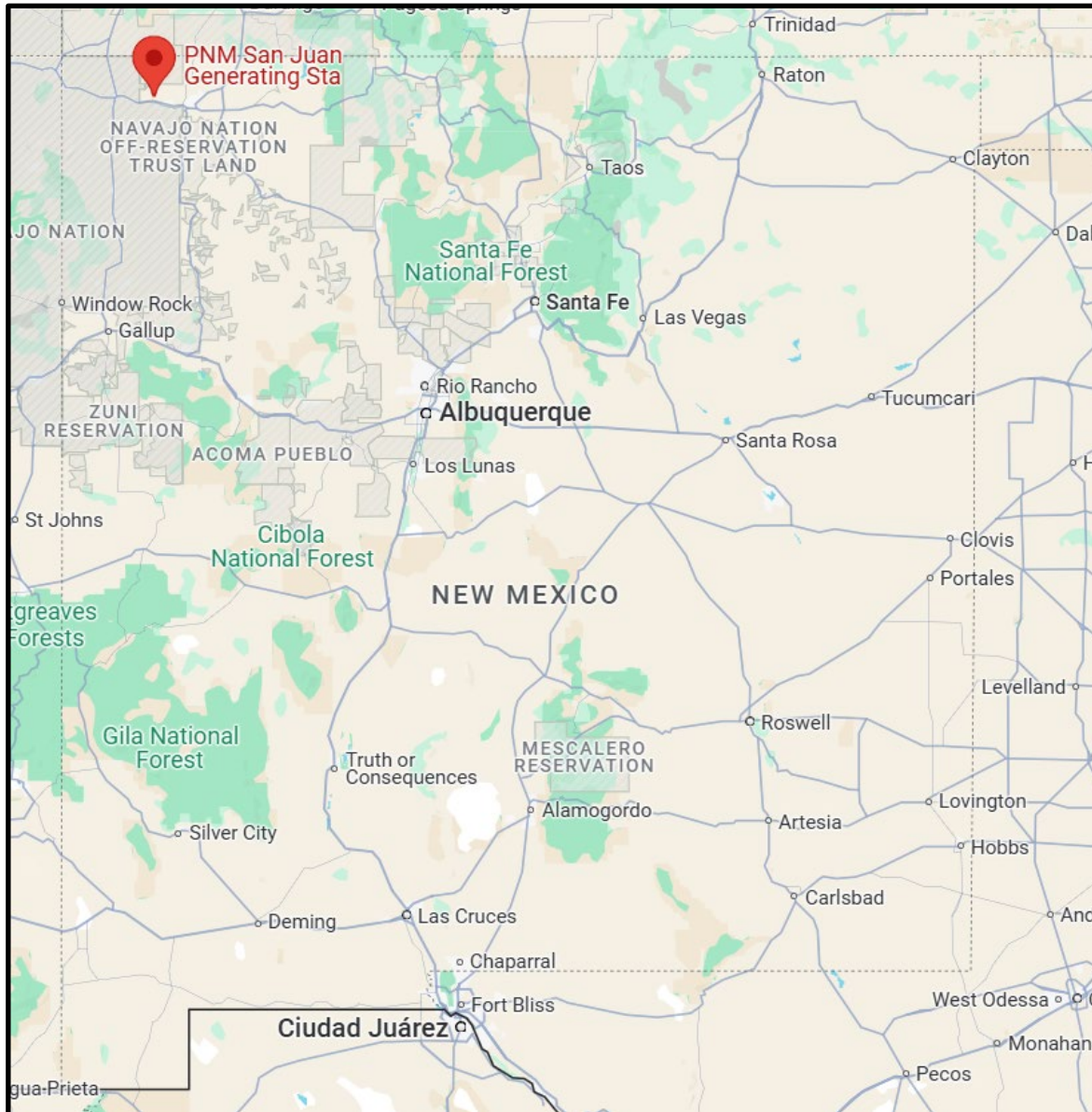


- Approximately 550,000 Customers
- Largest Electricity Provider in NM
- Generating Fleet:
 - 6 Natural Gas Plants
 - Partial Ownership in a Coal Plant
 - Partial Ownership in a Nuclear Plant
 - Numerous PNM Owned Solar Fields
 - Several Solar PPAs
 - Several Windfarm PPAs
 - 1 Natural Gas Plant PPA
 - 1 Geothermal PPA
 - Battery Energy Storage Systems



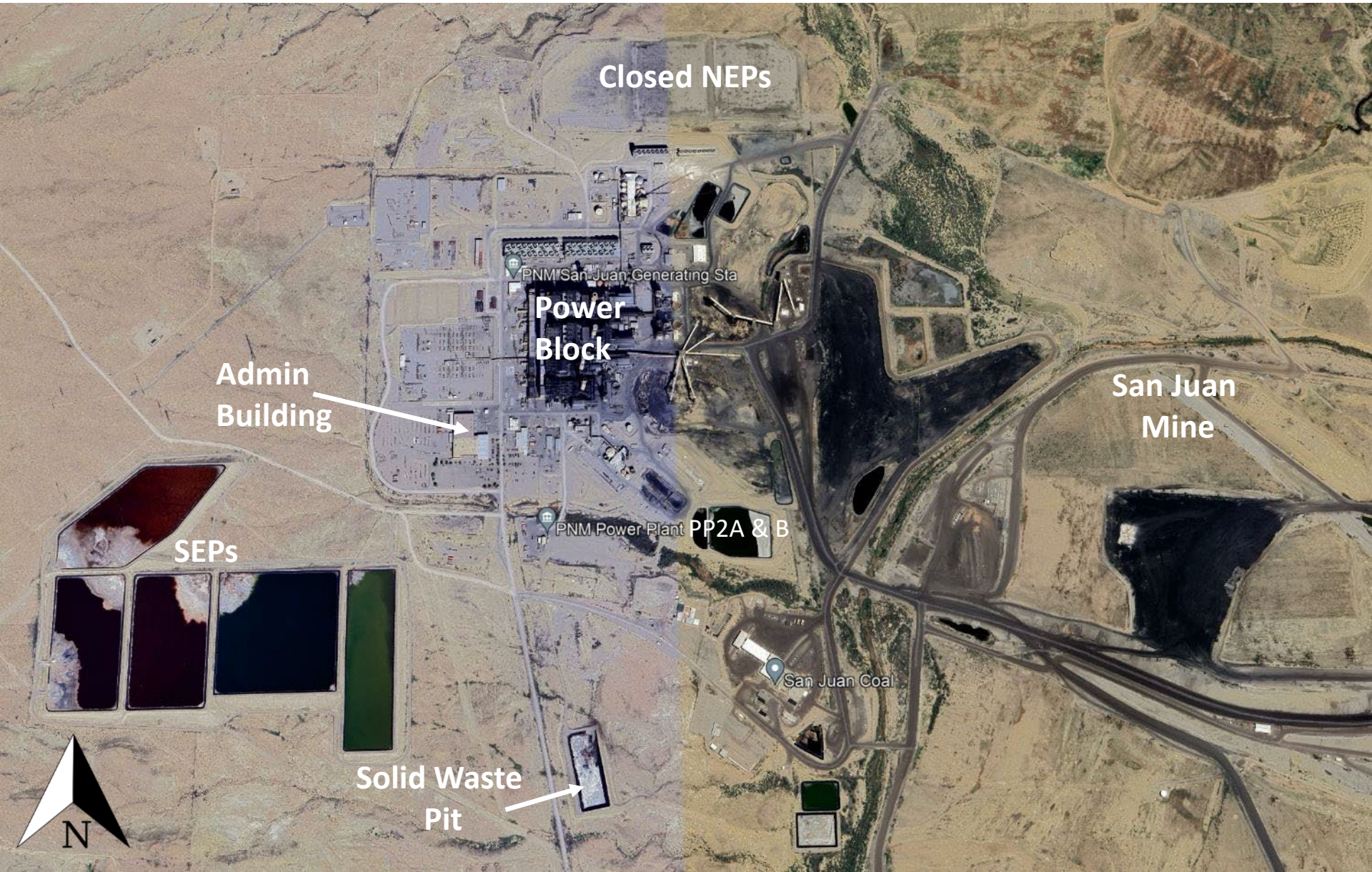
- Approximately 270,000 customers
- “Wires Only” Company
- Deregulated Market

San Juan Generating Station Overview



- Located in Waterflow, NM
Population 1,700
- Near the 4-Corners
- Exceptionally dry area of NM

San Juan Generating Station Overview Continued



Plant History

- Unit 1 Commissioned 1973: 369 MW
- Unit 2 Commissioned 1976: 369 MW
- Unit 3 Commissioned 1979: 555 MW
- Unit 4 Commissioned 1982: 555 MW
- 9 Owners
- Employed Approximately 700 People
- Total 1,848 MW that served approximately 2 million customers
- Units 2 & 3 Operated Until December 2017
- Units 1 (June 30) & 4 (September 30) Operated until 2022



History Continued

- 2012 Sierra Club Sued: Consent Decree (Expired 2022, struck down by a Federal Judge in 2023)
- 2019 NM Legislature Passed the Energy Transition Act (PNM Carbon Free by 2045)
- 2020 The NM PRC voted to allow PNM to shut down San Juan
- 2021 Ordinance 121 Passed by San Juan County (plant must be demolished to ground level)
- 2023 NM Legislature Passed HB142 (NMED Investigation of the SJGS)
- June 2023 Demolition Began
- Anticipated completion December 2025?

Demolition Plan



Milestones

- June 2023- Demolition Began on the SJGS
- February 10, 2024- Baghouse U2, U3, & U4
- May 4, 2024- Absorbers U3 & U4
- May 25, 2024- Absorbers U1 & U2
- August 24, 2024- Stacks U1-U4 & U1 Baghouse
- November 16, 2024- Air Heaters U1-U4
- December 19, 2024- Precipitators U1 & U2
- February 15, 2025- Precipitators
- April 5, 2025- U1 and U2 Boilers
- Q2 2025- SEP Cells & Process Ponds Should be closed
- July 26, 2025- U3 and U4 Boilers, and the Coal Silos (Final Implosion of the Project)
- December 31, 2025- Demolition Should be 100% Complete



Material

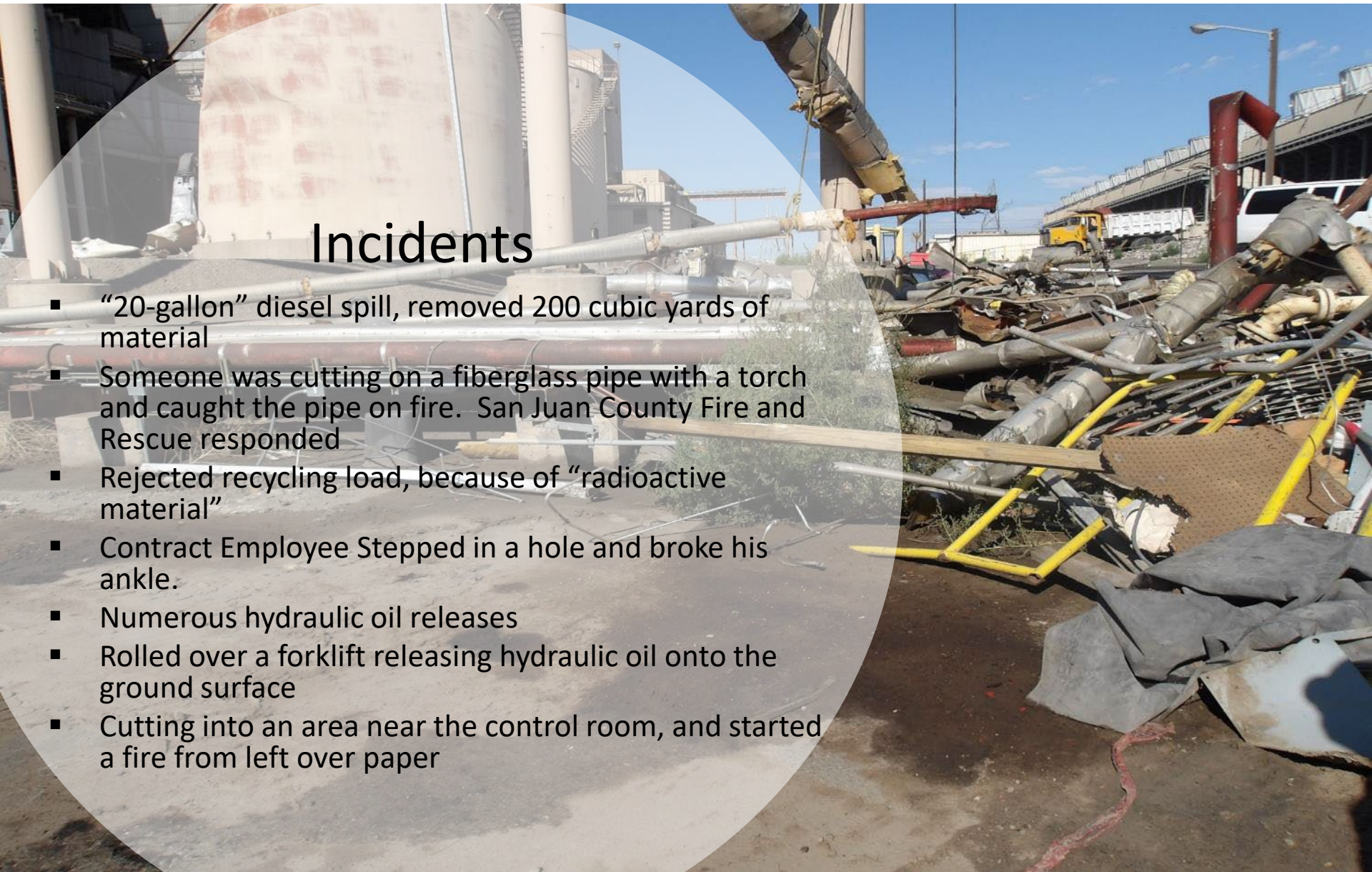
- Asbestos- 392 Tons
- Contaminated Dirt- 486 Tons
- Ferrous Metal- 54,175 Tons
- Non-Ferrous Metal- 3,859 Tons
- Scrap Equipment- 800 Tons
- Trash- 7,700 Tons
- Treat Lumber- 2,045 Tons
- Used Oil- 77,750 Gallons
- Batteries- 82 Tons
- Halon/ CFCs- 18,820 Pounds
- Fluorescent Bulbs- 16,540 Pounds
- PCB Ballasts- 8,500 Pounds
- E-Waste- 54,100 Pounds
- Baghouse Filters- 32 Tons
- Labpack Wastes- 4 Tons
- PCB Contaminated Oil- 5,040 Gallons

As of February 28, 2025

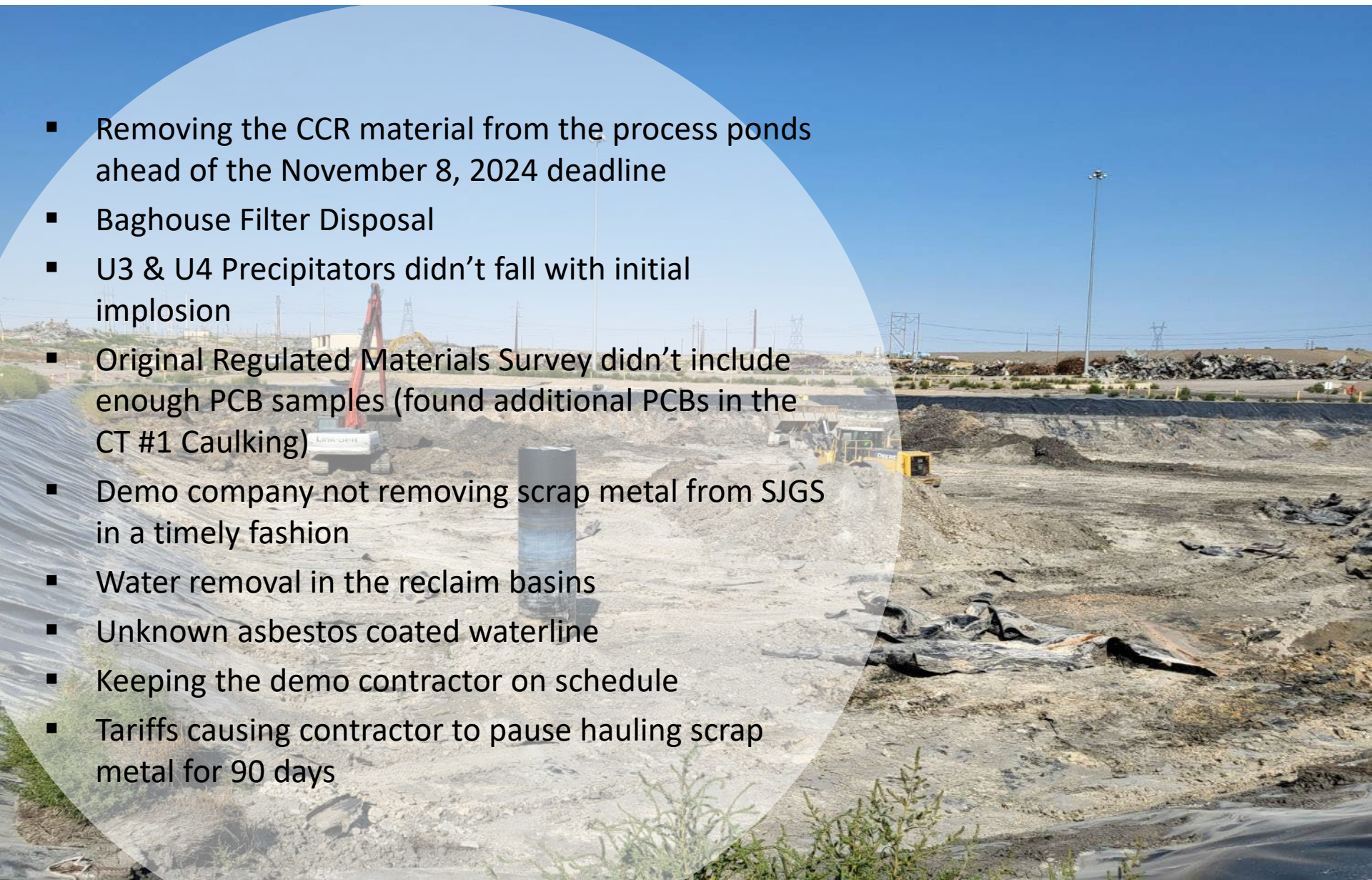


Incidents

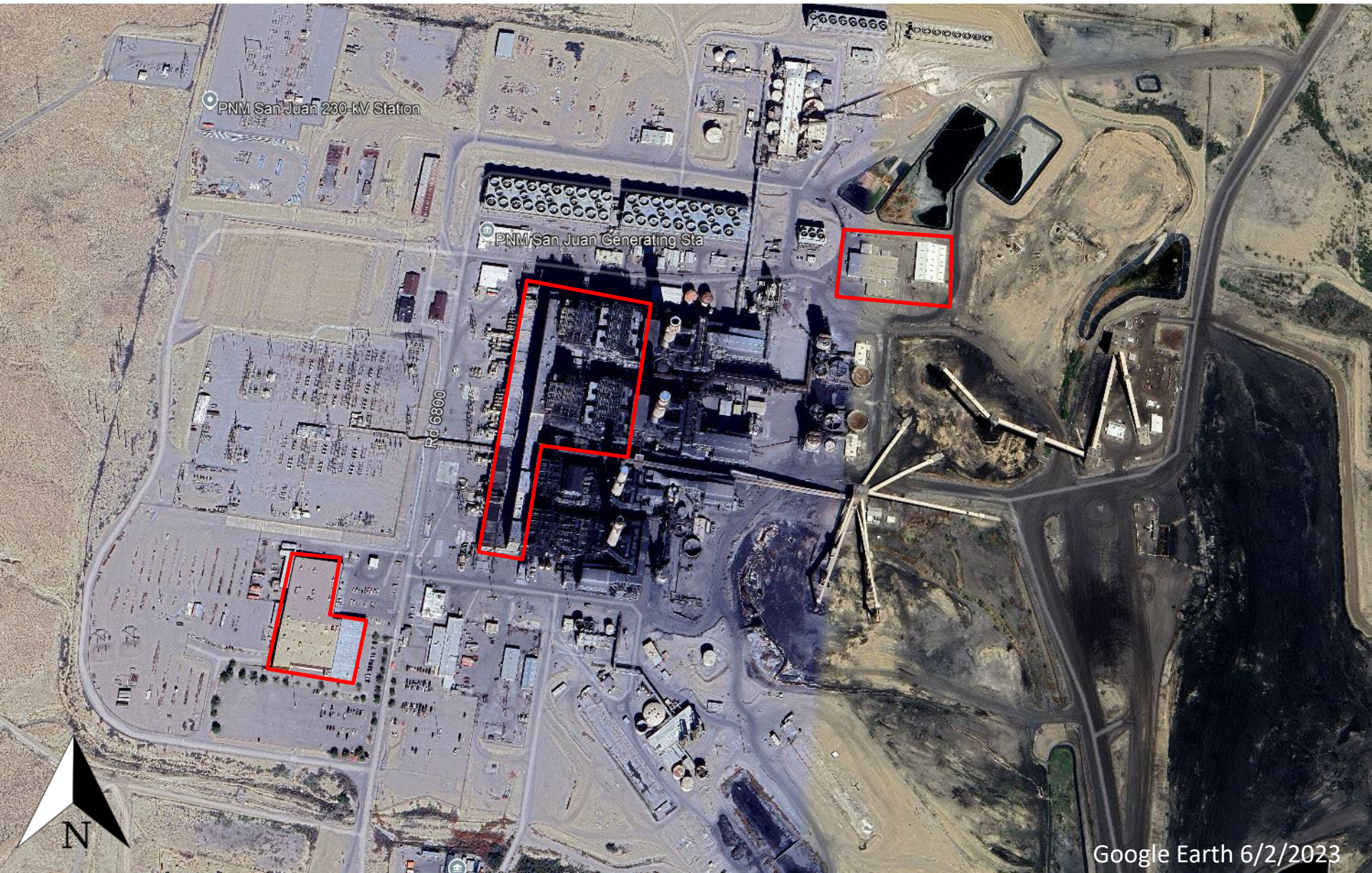
- “20-gallon” diesel spill, removed 200 cubic yards of material
- Someone was cutting on a fiberglass pipe with a torch and caught the pipe on fire. San Juan County Fire and Rescue responded
- Rejected recycling load, because of “radioactive material”
- Contract Employee Stepped in a hole and broke his ankle.
- Numerous hydraulic oil releases
- Rolled over a forklift releasing hydraulic oil onto the ground surface
- Cutting into an area near the control room, and started a fire from left over paper



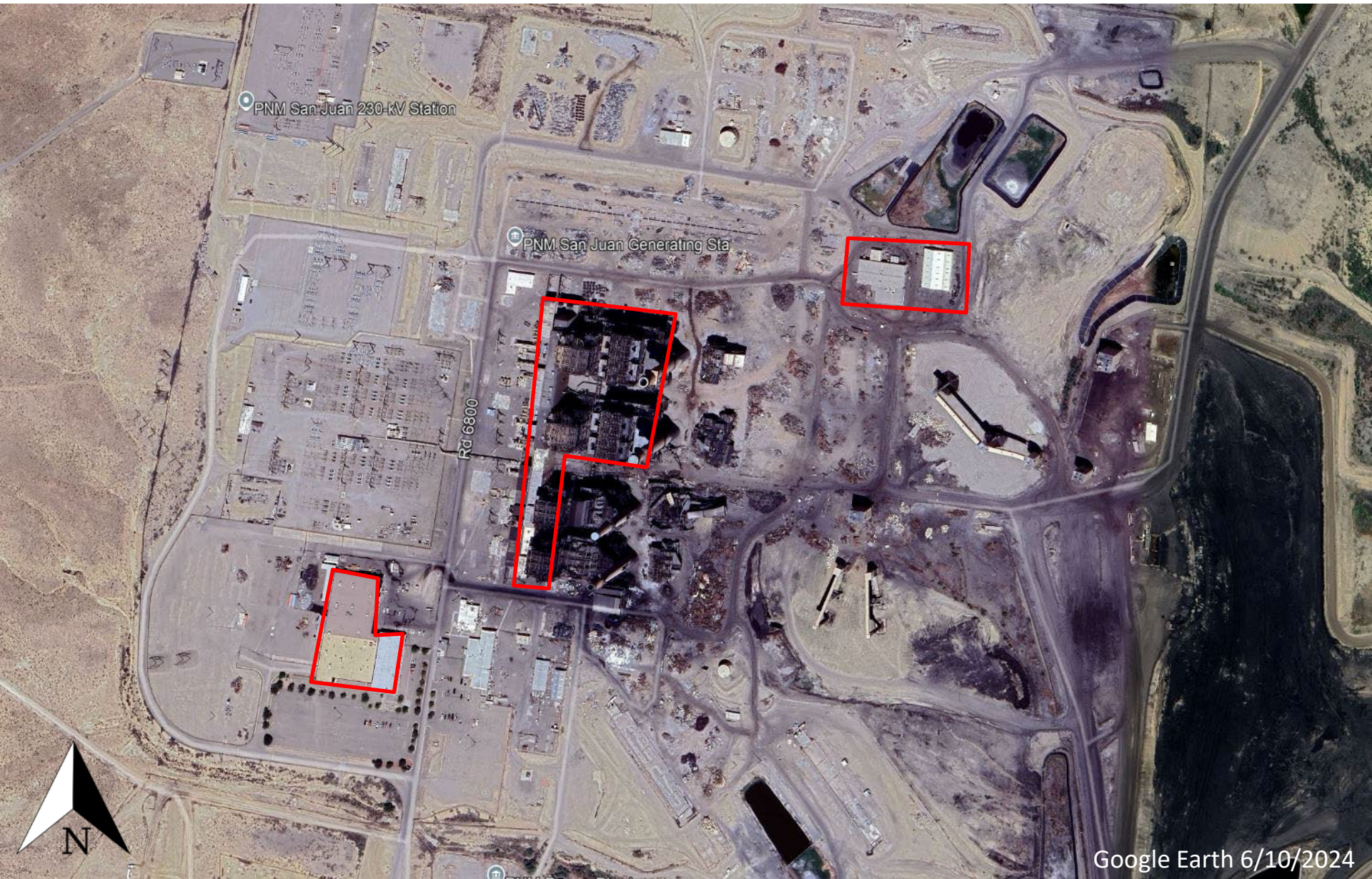
- Removing the CCR material from the process ponds ahead of the November 8, 2024 deadline
- Baghouse Filter Disposal
- U3 & U4 Precipitators didn't fall with initial implosion
- Original Regulated Materials Survey didn't include enough PCB samples (found additional PCBs in the CT #1 Caulking)
- Demo company not removing scrap metal from SJGS in a timely fashion
- Water removal in the reclaim basins
- Unknown asbestos coated waterline
- Keeping the demo contractor on schedule
- Tariffs causing contractor to pause hauling scrap metal for 90 days




SJGS Remaining Demolition



SJGS Remaining Demolition



Schedule for Remaining Tasks

- 
- The background image shows a large industrial facility, likely a power plant, in the process of being demolished. A large, multi-story building with a corrugated metal roof is the central focus. To the right, there are several tall, metal structures, possibly part of a power transmission system. The ground in the foreground is dirt and gravel, with some tire tracks visible. The sky is clear and blue. A large, semi-transparent white circle is overlaid on the left side of the image, containing the list of tasks.
- July 26, 2025: Remaining portions of the power block to be imploded
 - July 31, 2025: Admin Building to be vacated
 - August 2025: Begin Demolition of the Admin Building
 - December 31, 2025 (?): Demolition Completed
 - Q1 2026 (?): Final Site Grading Begins
 - Q2 2026 (?): Final Site Grading Completed

SJGS Prior to Demolition (May 2023)





Post Demolition Challenges

- NMED HB142 and Discharge Permit Renewals
- County Ordinance 121
- Sierra Club
- San Juan Citizens Alliance
- One Grumpy Neighbor

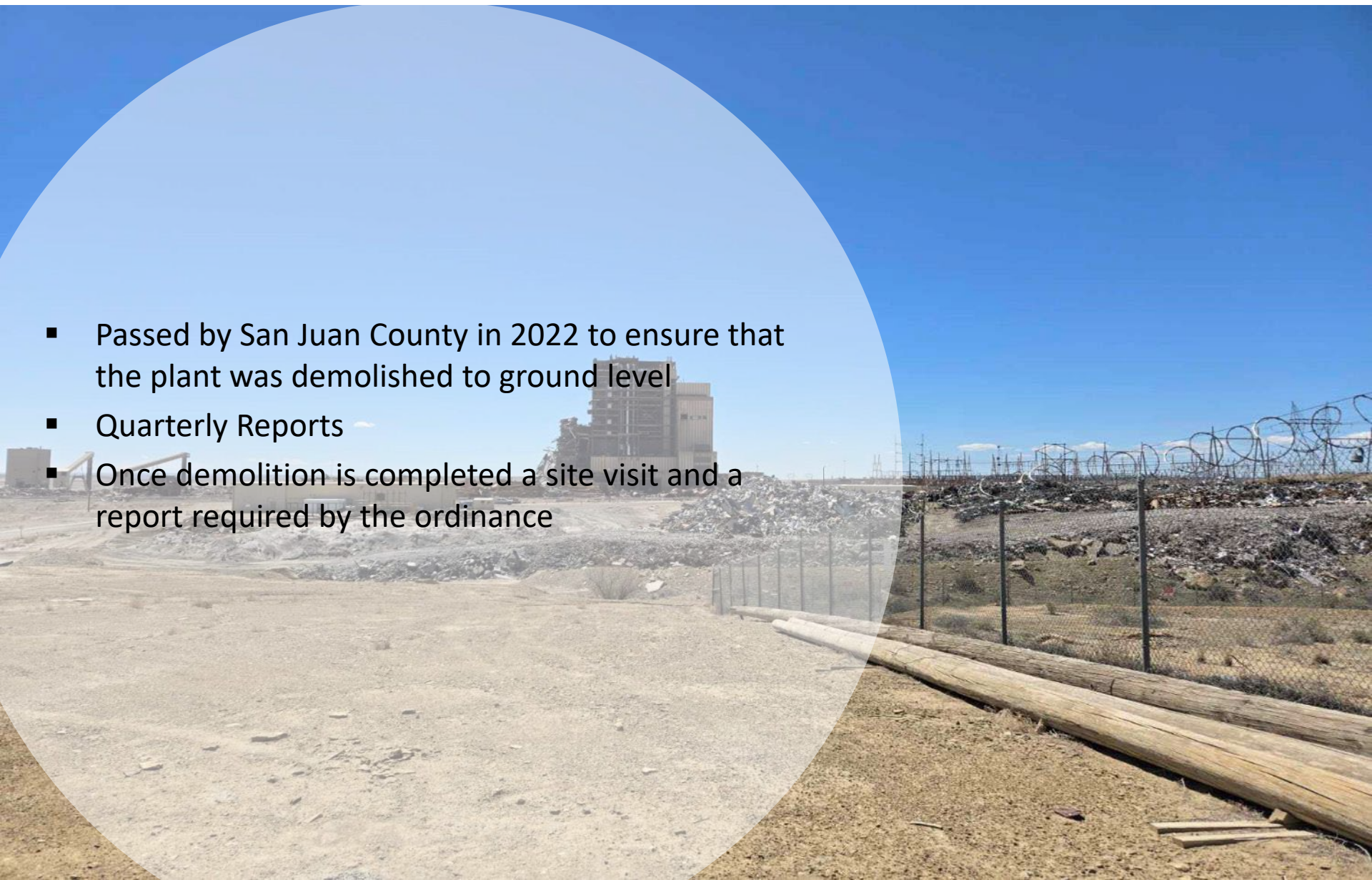


- HB142: NMED & EMNRD led investigation of the SJGS and the adjacent SJ Mine
- NMED & EMNRD are required to present their findings to the NM Legislature in July 2025
- Want to drill wells (6) onsite as a part of their investigation, state funded (none drilled as of yet)
- Public meeting in June in Farmington, NM (as of yet unscheduled)

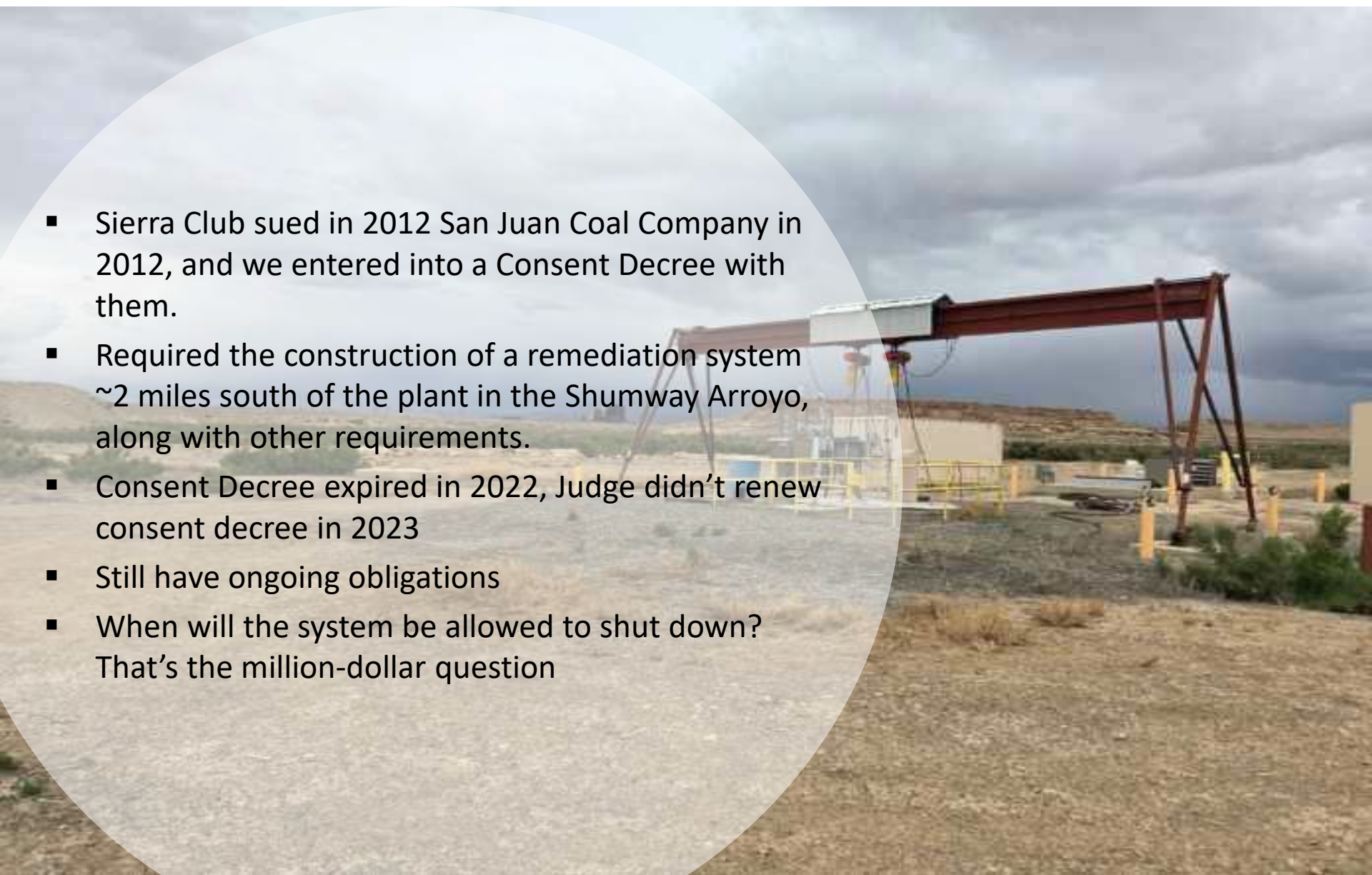


- DP-306: Solid Waste Pit, submitted renewal in December 2025. Unknown when to expect the draft permit. Solid Waste Pit to be closed Q3 2025.
- DP-1327: Regulated water going in the SEPs, contains 1 remediation system, 20 well monitoring network, renewal application due in October 2025
- DP-1843: Shumway Recovery System, submitted renewal in June 2023, draft permit expected in August 2025, assuming no hearing requested final permit expected December 2025

- Passed by San Juan County in 2022 to ensure that the plant was demolished to ground level
- Quarterly Reports
- Once demolition is completed a site visit and a report required by the ordinance

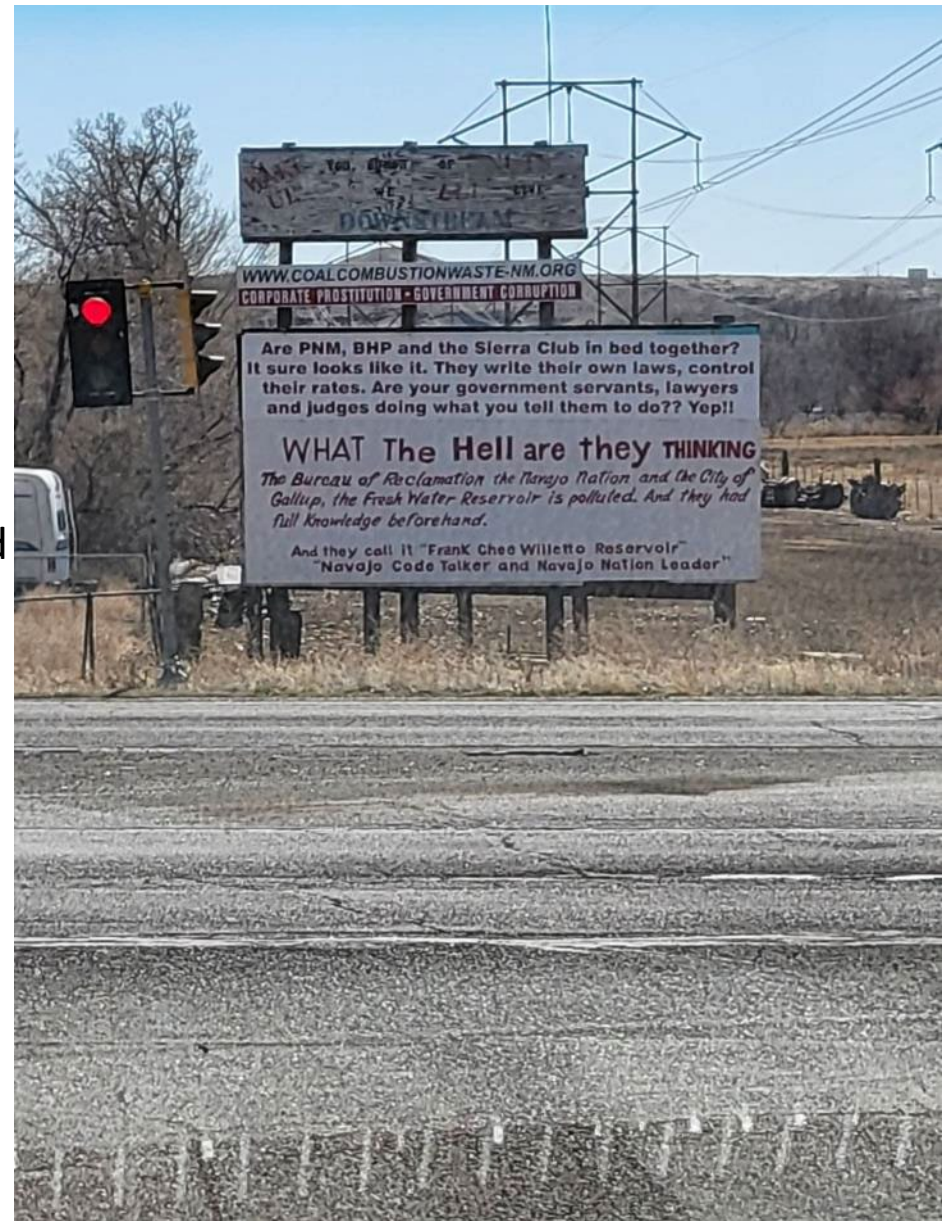


- Sierra Club sued in 2012 San Juan Coal Company in 2012, and we entered into a Consent Decree with them.
- Required the construction of a remediation system ~2 miles south of the plant in the Shumway Arroyo, along with other requirements.
- Consent Decree expired in 2022, Judge didn't renew consent decree in 2023
- Still have ongoing obligations
- When will the system be allowed to shut down?
That's the million-dollar question



Grumpy Neighbor

- Very Adversarial to PNM
- Owns large amount of land near the intersection of CR6800 and US64, ~3 miles south of the plant
- Attends all regulatory meetings involving the SJGS
- Claims PNM killed hundreds of his sheep, NMED says he didn't feed them (PNM settled with him, he never cashed the check)
- Emails NMED regulators profanity filled tirades on a weekly basis
- And the list goes on...



- Solar?
- Substation?
- Hydrogen?
- Not definitive future plants for the SJGS site



Stack Drop Video Link

<https://www.youtube.com/watch?v=HYq7r56IYDU>

Questions?

