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Title: FTWC Dose Calculation Locations & Regional Air Monitoring Sites

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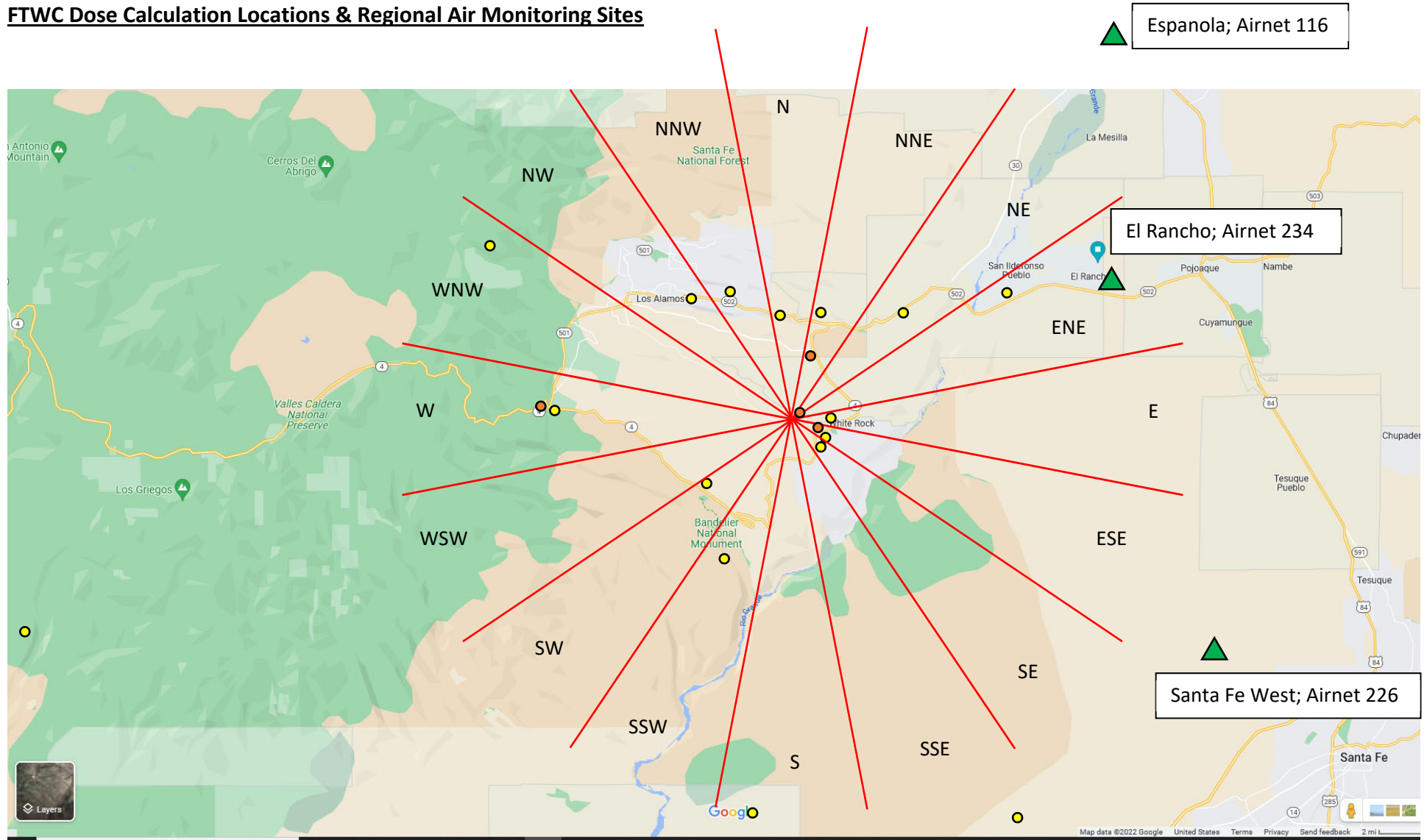
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FTWC Dose Calculation Locations & Regional Air Monitoring Sites



-  Red: TA-54 Building 1028, FTWC Vent Location; 16-sector grid centered on that location. Vent stack is monitored for tritium releases.
-  Yellow dots: CAP88 dose calculation locations, closest public receptor in each sector. Options for Maximum Exposed Individual (MEI) locations.
-  Orange dots: Field bubblers, used to monitor for tritium in both water vapor and elemental gas form.
-  Green Triangles: Regional Airnet stations, CAP88 dose is also calculated at these locations. All Airnet stations measure tritium in water vapor form.

CAP88 Evaluation Locations, Sorted by Direction
CAP88 Dose Calcs: Predicted Daytime Winds

Location	Distance	Direction	Sector#	Dose if 100% release 93,000 Ci (2023 Decay)	Dose with "bad case" release of 40,000 Ci
Airnet 395 (East Gate Tank)	4858 m	N	1	1.86 mrem	0.80 mrem
Holiday Inn Express	5240 m	NNW	2	0.64 mrem	0.28 mrem
Airnet 328 (DP Road - Monitor)	6560 m	NW	3	0.33 mrem	0.14 mrem
Pajarito Ski Area	15050 m	WNW	4	0.13 mrem	0.06 mrem
Ponderosa Campground	10800 m	W	5	0.41 mrem	0.18 mrem
Ponderosa Post Office	40920 m	WSW	6	0.07 mrem	0.03 mrem
Airnet 391 (Bandelier Gate)	4820 m	SW	7	2.33 mrem	1.00 mrem
Bandelier Visitor's Center	6270 m	SSW	8	1.21 mrem	0.52 mrem
La Bajada Village	30140 m	S	9	0.07 mrem	0.03 mrem
Santa Fe Riders	25685 m	SSE	10	0.07 mrem	0.03 mrem
Residence on Karen Circle	2308 m	SE	11	3.63 mrem	1.56 mrem
La Vista Nazarene Church	2195 m	ESE	12	3.44 mrem	1.48 mrem
Regional Airnet 226 (Santa Fe West)	24380 m	ESE	12	0.08 mrem	0.04 mrem
White Rock Visitor's Center	3050 m	E	13	2.33 mrem	1.00 mrem
Airnet 294 (San Ildefonso Village)	12000 m	ENE	14	0.30 mrem	0.13 mrem
Regional Airnet 234 (El Rancho)	16660 m	ENE	14	0.18 mrem	0.08 mrem
Totavi Gas Station	7622 m	NE	15	1.02 mrem	0.44 mrem
Regional Airnet 116 (Espanola)	24060 m	NE	15	0.17 mrem	0.07 mrem
LA County Water - South	4759 m	NNE	16	3.26 mrem	1.40 mrem

Downwind Advanced Tritium Monitoring

Field Bubbler: Area G North	400 m	NNE	
Field Bubbler: Airnet 392, WR Pajarito Road	2034 m	ESE	
Field Bubbler; Airnet 137 Well PM-1	3533 m	NNE	
Field Bubbler; Airnet 390 West Gate	225 m	SW of tritium facility (WETF); operated during transportation events only	