

**TABLE 9. SUMMARY OF NITRATE DECAY RATES
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Dairy	Well	Nitrate Decay Rate (Days ⁻¹)	Nitrate Decay Rate (Years ⁻¹)	Estimated Half Life (Years) ^a	Estimated Time to Reach Nitrate Cleanup Level (Years) ^a
NORTHERN AREA					
Organ	126-13	31	0.0839	8.3	8.3
Mountain View	70-01	52	0.1426	4.9	6.7
Mountain View	70-02	48	0.1316	5.3	9.5
Dominguez 2	42-06	149	0.4095	1.7	7.2
Abatement Plan	DAD-12	9	0.0251	27.6	13.4
Average				9.5	9.0
CENTRAL AREA					
Big Sky	833-02	57	0.1567	4.4	14.0
Big Sky	833-05	13	0.0354	19.6	21.0
Abatement Plan	DAD-08	6	0.0156	44.4	92.0
Average				22.8	42.3

Notes:

^a - Years from November 2020.

Nitrate decay rate was calculated for all wells with decreasing trends that also have concentrations above the New Mexico Water Quality Control Commission standard of 10 milligrams per liter.