

SWANA Western Regional Symposium

April 5, 2022

Design Considerations for an MSW and Organics Waste Transfer Station

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North Area Recovery Station (NARS) Background



- 1970s Construction
- Upgrades in 1980s
- Residential and Commercial
- Program Growth
- Massive Regional Growth

NARS : Present Conditions



- Traffic Conditions
- Scales
- Shed Capacity
- Layout Conflicts
- Safety Concerns
- Odor Issues

Site Requirements

- Complete Site Transformation
- Address Increased Waste Quantities
- Separate Self Haul and Commercial Customers
- Improve Efficiencies at NARS
- Comply with CA Senate Bill 1383

→ New Commercial Waste Building

Design Considerations

- **County Retained Jacobs/JRMA Team**
 - **Fast Track Design**
 - **Completed Design in 11 Months**
 - Included 50%, 95%, and Final Design Packages
 - **Conducted 3 Design Workshops at Onset of Project**
 - Provided Clear Direction
 - Performed Odor Control Dispersion Modeling
 - Developed Basis of Design Report

Design Considerations

Facility Component	Comment	Criteria
Total Organics and MSW Quantities	Average Tons per Year	276,847
	Average Tons per Day	1,065
	Peak Tons per Hour	416
	Average Vehicles per Day	128
	Peak Vehicles per Hour	50
County and Commercial MSW Quantities	Average Tons per Year	186,188
	Average Tons per Day	716
	Peak Tons per Hour	280
	Average Vehicles per Day	77
	Peak Vehicles per Hour	30
Organics Quantities	Average Tons per Year	90,659
	Average Tons per Day	349
	Peak Tons per Hour	136
	Average Vehicles per Day	51
	Peak Vehicles per Hour	20







Thank You!!



