

Environmental Noise, Air Quality, Odor, & Greenhouse Gas

San Juan Island Transfer Station
Replacement Project EIS
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- Environmental Noise



- Air Quality



- Odor



- Greenhouse Gas (GHG)

Environmental Noise Analysis

- Sound Level Measurements (SLMs) at each project alternative location
- Noise source measurements at existing Transfer Station
- Noise prediction modeling using the Cadna/A noise model
- Comparison of results with applicable limits
- Determination of potential for noise impacts
- If impacts are predicted, will perform a qualitative evaluation of noise mitigation
- Documentation



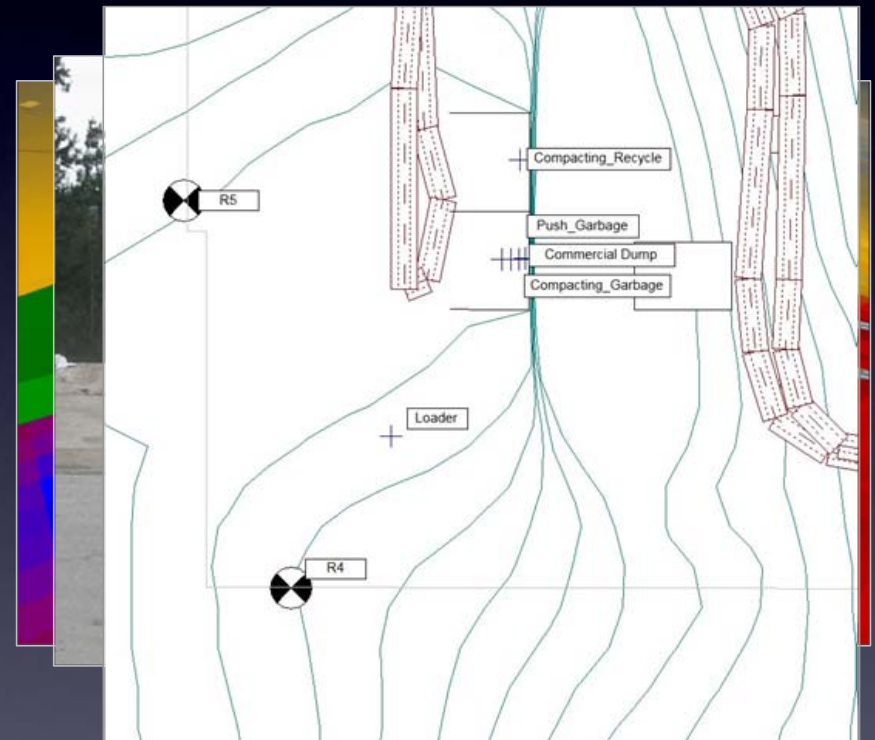
Sound Level Measurements

- SLMs taken of Ambient Conditions
- SLMs taken of Noise Sources for use in Cadna/A Noise Model



Noise Modeling

- Modeled sources use measured and published source sound level data
- Receptors are sensitive receiving locations – usually residences
- Cadna/A model calculates sound levels, compared with applicable sound level limits



Air Quality

- Review of Existing Air Quality Conditions
- Qualitative evaluation of potential for impacts related to construction and operation
- Analysis focuses on dust and vehicle tailpipe emissions
- Best Management Practices reduces potential for AQ impacts



Odor

- Most transfer stations have sources of odor
- Sources of odor likely to include refuse and composting
- Potential for odor impacts minimized with Best Management Practices



Greenhouse Gas (GHG)

- Growing evidence suggest global climate impact as a result of GHG
- Potential GHG emissions tabulated for SJITS Project



Questions?

