

APPENDIX I

NOISE DATA

Project: Murietta Hot Springs at Jefferson
 Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	Daytime hours (7 am to 7 pm)	8
	Evening hours (7 pm to 10 pm)	0
	Nighttime hours (10 pm to 7 am)	0
Leq to L10 factor		3

	Receptor (Land Use)	Distance (feet)	Shielding	Direction
1	Hotel	540	0	E
2	Hotel	570	0	E
3	Single-Family Residential	750	0	W

Construction Phase	Equipment Type	No. of Equip.	Reference Acoustical Usage Factor	Reference Noise Level at 50ft per Unit, Lmax	RECEPTOR 1		RECEPTOR 2		RECEPTOR 3	
					Noise Level at Receptor 1, Lmax	Noise Level at Receptor 1, Leq	Noise Level at Receptor 2, Lmax	Noise Level at Receptor 2, Leq	Noise Level at Receptor 3, Lmax	Noise Level at Receptor 3, Leq
Site Preparation	Tractor	4	40%	84	69.4	65.4	68.9	64.9	66.5	62.5
	Dozer	3	40%	82	65.8	61.8	65.3	61.4	62.9	59.0
	Combined LEQ					67.0		66.5		64.1
Grading	Excavator	2	40%	81	63.0	59.1	62.6	58.6	60.2	56.2
	Grader	1	40%	85	64.3	60.4	63.9	59.9	61.5	57.5
	Scraper	2	40%	84	65.9	62.0	65.5	61.5	63.1	59.1
	Tractor	2	40%	84	66.3	62.4	65.9	61.9	63.5	59.5
	Dozer	1	40%	82	61.0	57.1	60.6	56.6	58.2	54.2
	Combined LEQ					67.6		67.1		64.7
Building Construction	Crane	1	16%	81	59.9	52.0	59.5	51.5	57.1	49.1
	All Other Equipment > 5 HP	3	50%	85	69.1	66.1	68.6	65.6	66.2	63.2
	Generator	1	50%	81	59.9	56.9	59.5	56.5	57.1	54.1
	Tractor	3	40%	84	68.1	64.1	67.6	63.7	65.2	61.3
	Welder/Torch	1	40%	74	53.3	49.4	52.9	48.9	50.5	46.5
	Combined LEQ					68.7		68.2		65.8
Paving	Paver	2	50%	77	59.5	56.5	59.1	56.1	56.7	53.7
	All Other Equipment > 5 HP	2	50%	85	67.3	64.3	66.9	63.9	64.5	61.5
	Roller	2	20%	80	62.3	55.4	61.9	54.9	59.5	52.5
	Combined LEQ					65.4		65.0		62.6
Architectural Coating	Compressor (air)	1	40%	78	57.0	53.1	56.6	52.6	54.2	50.2
	Combined LEQ					53.1		52.6		50.2

Source for Ref. Noise Levels: RCNM, 2005