

Table OP-A6-5b Noise Levels versus Distance from Machinery (Page 1 of 2)

Equipment	Location	Comment	Noise Level in Decibels		
			Low	High	Average
Background	Northwest Hi-Vol Station	Hi-Vol station off and no other equipment running; light breeze	60.1	70.1	65.7
Pulling Unit (swabbing)	100 feet upwind	Light breeze blowing east; unit running	60.0	70.0	65.0
	50 feet upwind	Light breeze blowing east; unit running	60.0	68.0	65.0
	At operators station at end of truck	Light breeze blowing east; unit running	66.0	77.0	70.0
	50 feet downwind	Light breeze blowing east; unit running	64.0	70.0	67.0
	100 feet downwind	Light breeze blowing east; unit running	64.0	67.0	65.0
Eu 6500is Honda Generator	100 feet upwind	Light breeze blowing east; unit running	65.0	65.0	65.0
	50 feet upwind	Light breeze blowing east; unit running	65.0	65.8	65.2
	At unit	Light breeze blowing east; unit running			80.9
	50 feet downwind	Light breeze blowing east; unit running	65.0	66.1	65.3
	100 feet downwind	Light breeze blowing east; unit running	65.0	65.1	65.0
110KeV 75 HP Generator	100 feet upwind	Light breeze blowing east; unit running	65.0	65.1	65.1
	50 feet upwind	Light breeze blowing east; unit running	65.0	65.0	65.0
	At fender of unit	Light breeze blowing east; unit running			76.6
	50 feet downwind	Light breeze blowing east; unit running	65.0	65.3	65.0
	100 feet downwind	Light breeze blowing east; unit running	65.0	65.2	65.1

Table OP-A6-5b Noise Levels versus Distance from Machinery (Page 2 of 2)

Equipment	Location	Comment	Noise Level in Decibels		
			Low	High	Average
John Deere 710J Backhoe (idling)	100 feet upwind	Light breeze blowing east; unit running	65.0	65.0	65.0
	50 feet upwind	Light breeze blowing east; unit running	65.0	65.1	65.1
	At unit	Light breeze blowing east; unit running			81.5
	50 feet downwind	Light breeze blowing east; unit running	65.0	65.7	65.4
	100 feet downwind	Light breeze blowing east; unit running	65.0	65.0	65.0
Water Truck (idling)	100 feet upwind	Light breeze blowing east; unit running	65.0	65.1	65.0
	50 feet upwind	Light breeze blowing east; unit running	65.0	65.8	65.1
	At front left fender	Light breeze blowing east; unit running			76.6
	50 feet downwind	Light breeze blowing east; unit running	65.0	65.2	65.1
	100 feet downwind	Light breeze blowing east; unit running	65.0	65.0	65.0

Notes: Surveys were performed by Ahmad Jodeh on February 6, 2009. The instrument was checked against a calibrated standard both before and after the spot surveys were completed and found to be within 0.1 decibels (Db) of the standard. The standard had been calibrated within the past year by the manufacturer. It appears that the wind is the dominant source of noise once the meter is greater than 50 feet away from these specific pieces of equipment.