



**Table 2**  
**Equipment Noise Levels**

**Engineering Report for Part 360 C&D Transfer Facility Permit**  
**Lardon Disposal Facility, Inc.**

Equipment Description <sup>1</sup>			Decibel Level dB(A)			
Type	Make	Model	Source <sup>1</sup>	Outside Building <sup>2</sup>	Distance from Building <sup>3</sup>	
					300 feet <sup>4</sup>	750 feet <sup>5</sup>
Loader	Ljungby	L12	80	65	50	42
Loader	Ljungby	L13	80	65	50	42
Mini Excavator	Hitachi	EX8	85	70	55	47
Mini Excavator	Hitachi	EX10	85	70	55	47
Track Loader (skid steer)	CASE	430B	95	80	65	57
Track Loader (skid steer)	CASE	855	95	80	65	57
<b>Cumulative<sup>6</sup></b>			<b>92</b>	<b>75</b>	<b>60</b>	<b>51</b>

**Notes:**

1. Sound level obtained from U.S DOT Construction Noise Handbook, manufacturer literature or average of similar machines make/models.
2. Sound level outside the building; closed doors and windows reduce the sound level by 15 dB.
3. Sound level is reduced by 6 dB at 50 feet. At distances greater than 50 feet from a sound source, every doubling of the distance produces a 6 dB reduction in the sound.
4. Approximate distance from south end of building to property line in the direction of the nearest receptor (residence) is 300 feet.
5. Approximate distance from source of sound to first residential property is 750 feet.
6. Cumulative per DEP-00-1 Table A - Approximate Addition of Sound Levels.

Land Use <sup>1</sup>	L <sub>eq</sub> Energy Equivalent Sound Levels, dB(A) <sup>2</sup>	
	7 am to 10 pm	10 pm to 7 am
Rural	57	47
Suburban	62	52
Urban	67	57

**Notes:**

1. Assumes a one-mile radius from facility
2. Allowable sound levels per 6NYCRR 360.19(j)