



**Caltrans  
Transportation and  
Construction  
Vibration Guidance  
Manual**

**Project Name:** PG&E L-057A-1 Decommissioning  
**Scenario:** Onshore pipe removal (Bellhole #8 on west side of Bacon Island)

**Select Input Values**

**Source Levels (PPV)**

Vibratory roller	0.210
Large bulldozer	0.089
Caisson drilling	0.089
Loaded trucks	0.076
Jackhammer	0.035
Small bulldozer	0.003
Crack & seat operations	2.4

**Soil Material Values**

Weak, soft, loose soil	1.4
Competent soils	1.3
Hard compacted soils	1.1
Hard competent bedrock	1.0

**Project Data**

<b>Source Level</b>	0.076
<b>Soil material (n):</b>	1.3
<b>Distance to receptor(feet)</b>	30

**Results**

<b>PPV at receptor</b>	0.05996
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**Damage Criteria (Lv)**

Human: continous, frequent intermittent sources

Barely perceptible	0.01
Distinctly perceptible	0.04
Strongly perceptible	0.1
Severe	0.4

Structures: continous, frequent intermittent sources

Fragile buildings	0.1
Historic & some old buildings	0.25
Older residential	0.3
New residential	0.5
Modern comecial & industrial	0.5