

Noise Monitoring & Exposure

Guy's Construction
123 Main Street, Anytown, CA 90210

Ontology-Backed Safety Document

Effective Date: June 08, 2026

SAMPLE DOCUMENT - NOT FOR COMPLIANCE USE

JURISDICTION AND REGULATORY FRAMEWORK

STATE-SPECIFIC: California has the following requirements:

- hearing protection and monitoring
- hearing protection and noise monitoring
- hearing conservation program required (monitoring, audiometric testing, hearing protectors, training)
- hearing conservation program when exposure at or above 85 dBA TWA

T8 CCR 5095-5100

- hearing conservation program at 85 dBA TWA (federal construction triggers at 90 dBA)

T8 CCR 5095-5100

- reporting requirements of § 264.1090 applicable to surface impoundments and/or closed-vent systems and control devices associated with a surface impoundment
- appropriate for the threat and the pipeline segment being assessed
- approved emergency preparedness plan under part 239
- 12 feet
- hearing officer to conduct hearings on applications for variances
- sections 99, 101, 102
- processing by NVLAP certified laboratory; USACE personnel use Army Dosimetry Center provided dosimetry
- dosimetry provided by the Army Dosimetry Center
- personnel dosimetry
- personnel dosimetry
- one of the following analytical methods: OSHA ID-142; NMAM 7500; NMAM 7602; NMAM 7603; MSHA P-2; or MSHA P-7
- airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed a PEL
- quality control procedures when performing analysis required under Section 1532.3 (d)(2)(E)
- in any spraying area during spraying operations
- 1 3/4 × 2 3/4 in
- Subpart D
- Engineering and Administrative Noise Controls
- Hearing Conservation Program
- Subpart E - PPE
- as free as practicable of accumulations of lead
- by vacuuming or other methods that minimize the likelihood of lead becoming airborne wherever possible
- the director
- diameters of 6 inches or greater that could affect high-consequence areas or are located in high consequence areas (HCA), installed after April 10, 2023
- the use of reclaimed water in oil and gas operations
- 0.1 fiber/cc
- 0.2 ?g/m³ calculated as an 8-hour TWA

- 0.2 ?g/m³ as an 8-hour TWA
- 2 ?g/m³ as 8-hour TWA
- 5 µg/m³ (8-hour TWA)
- third physician to conduct examinations, consultations, laboratory tests and discussions with prior physicians as necessary to resolve disagreement
- fiberboard box (4G) or fiber drum (1G) with plastic inner packaging not exceeding 5 kg (11 lbs) and maximum net mass not more than 25 kg (55 lbs)
- the overall status of implementation of the provisions of this Part relating to the identification, inventory, and removal of underwater obstructions
- a diagrammatic sketch of the mechanical installation along with a detailed explanation of the flow, procedures and frequency of well tests, calibration/proving of metering devices and allocation formulas
- a list of interested parties (those with interests in the leases and/or units from which production is to be commingled for which the applicant has no existing commingling authority)

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FEDERAL OSHA REQUIREMENTS

- 85 dBA 8-hour TWA action level for hearing conservation program including monitoring, audiometric testing, hearing protectors, training

29 CFR 1910.95(c)

- hearing conservation program required (monitoring, audiometric testing, hearing protectors, training)

29 CFR 1910.95(c)

- hearing protection when noise exposure reaches 90 dBA (8-hr TWA PEL); hearing conservation program at 85 dBA action level

29 CFR 1926.101 + 1926.52

- jet engine testing, riveting, grinding, and composite layup create noise levels 90-140 dBA; hearing conservation program at 85 dBA action level; engineering controls (sound barriers, isolation), hearing protection, annual audiometric testing per 29 CFR 1910.95

29 CFR 1910.95 (Occupational noise exposure)

- personal dosimetry required for: adults likely to exceed 10% of 20.1201 limits (500 mrem TEDE); minors likely to exceed 100 mrem deep-dose, 150 mrem lens, or 500 mrem skin; declared pregnant women likely to exceed 100 mrem during entire pregnancy; anyone entering high or very high radiation area

10 CFR 20.1502(a)(1)-(4)

- NRC 10 CFR 20/30/39 compliance when radioactive logging sources used, 10-meter hot zone around source, radiation safety officer, personnel dosimetry

NRC 10 CFR 20, 30, 39

- radiographic inspection (X-ray, gamma) of aerospace components requires radiation safety program per 29 CFR 1910.1096 or NRC license; controlled access areas, dosimetry, exposure monitoring, radiation safety officer; fluoroscopy and computed tomography exposure limits apply

29 CFR 1910.1096 + NRC 10 CFR 34 (Industrial Radiography)

- construction at NRC-licensed facilities requires OSHA 1926 compliance PLUS NRC radiation protection for workers entering radiation areas; dual training required: OSHA construction safety + radiation worker training; dosimetry badges for all workers in controlled areas

29 CFR 1926 + 10 CFR 20 + NRC Construction Inspection Program

- NRC 10 CFR 20/30/39 compliance for radioactive logging sources; 10-meter hot zone; radiation safety officer; personnel dosimetry; transportation per DOT 49 CFR 173

NRC 10 CFR 20/30/39

- formula $TWA = 16.61 \log_{10} (D/100) + 90$

29 CFR 1910.95

- Hearing Protection Requirement

1926.52(a)

- MDA action level controls; PEL = 10 ppb TWA

29 CFR 1926.60(b)

- MDA Action Level Controls

1926.60(b)

COMPANY PROCEDURES

Guy's Construction implements the following procedures for noise monitoring & exposure:

- Guy's Construction shall: hearing protection when noise exposure reaches 90 dBA (8-hr TWA PEL); hearing conservation program at 85 dBA action level

29 CFR 1926.101 + 1926.52

- Guy's Construction shall: jet engine testing, riveting, grinding, and composite layup create noise levels 90-140 dBA; hearing conservation program at 85 dBA action level; engineering controls (sound barriers, isolation),...

29 CFR 1910.95 (Occupational noise exposure)

- Guy's Construction shall: NRC 10 CFR 20/30/39 compliance when radioactive logging sources used, 10-meter hot zone around source, radiation safety officer, personnel dosimetry

NRC 10 CFR 20, 30, 39

- Guy's Construction shall: radiographic inspection (X-ray, gamma) of aerospace components requires radiation safety program per 29 CFR 1910.1096 or NRC license; controlled access areas, dosimetry, exposure monitoring,...

29 CFR 1910.1096 + NRC 10 CFR 34 (Industrial Radiography)

- Guy's Construction shall: construction at NRC-licensed facilities requires OSHA 1926 compliance PLUS NRC radiation protection for workers entering radiation areas; dual training required: OSHA construction safety + radiation...

29 CFR 1926 + 10 CFR 20 + NRC Construction Inspection Program

TRAINING REQUIREMENTS

- All employees involved in this scope of work must receive initial training before beginning work
- Refresher training when procedures change or deficiencies are observed
- Training must be documented with date, topic, trainer, and attendees

RECORDKEEPING

- Training records: duration of employment
- Inspection/monitoring records: project duration + 3 years
- Incident reports: 5 years

California STATE-SPECIFIC REQUIREMENTS (FULL)

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