



**Larimer County Analysis –  
Technical Memorandum No. 14  
Conveyance Pipeline Noise Analysis**

Prepared for:  
**Larimer County**

Prepared by:  
**Northern Integrated Supply Project  
Water Activity Enterprise**

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This analysis addresses requirements of the 1041 Permit noise analysis for conveyance pipelines being proposed as part of the Northern Integrated Supply Project (NISP). It discusses the anticipated noise impacts related to the NISP conveyance facilities that are within unincorporated parts of Larimer County. Such facilities include:

- Northern Tier Pipeline
- Poudre Delivery Pipeline (including the Glade Release)
- Poudre Diversion Pipeline
- County Line Pipeline
- Glade Reservoir Pump Station
- Poudre Diversion Pump station

**Larimer County Code:**

Per Larimer County’s current Noise Level Policy (Larimer county Code of Ordinances Article V) construction projects shall limit construction noise to the following maximum permissible noise levels for daytime and nighttime activity:

Maximum Noise [db(A)] 7:00 a.m. to next 7:00 p.m.	Maximum Noise [db(A)] 7:00 p.m. to next 7:00 a.m.
80 db(A)	75 db(A)

And the noise levels permitted for long-term residential property land uses are limited to the following maximum permissible noise levels for daytime and nighttime activity:

Maximum Noise [db(A)] 7:00 a.m. to next 7:00 p.m.	Maximum Noise [db(A)] 7:00 p.m. to next 7:00 a.m.
55 db(A)	50 db(A)

Larimer County’s policy indicates that noise occurring within the county shall be measured at a distance of at least 25-feet from the source located within the public right-of-way, and if the noise source is located on private property or public property other than the public right-of-way, the noise shall be measured at or within the property boundary of the residential property where the measurement is taken.

**NISP Construction**

The noise effects from construction of the NISP conveyance systems would be minimal because the noise increase would only be temporary and construction activities would be subject to the

county noise ordinance. Permanent increases in noise from pump stations would also be minimal because the building design would maintain noise levels below noise standards. As such, the NISP conveyance facilities are expected to have only short-term unavoidable adverse impacts from construction noise. No long-term (permanent) adverse noise impacts will result from this project for residential and commercial properties adjacent to the pipe alignment and pump station locations. Monitoring of construction noise and coordination with Larimer County would ensure that noise levels are within the limits of the ordinance.

Work hours shall be limited to 7:00 a.m. to 7:00 p.m. unless prior authorization from Larimer County is granted. Such times may include extending work hours to minimize impacts to traffic, minimize business impacts, or specific tasks that cannot be interrupted.