

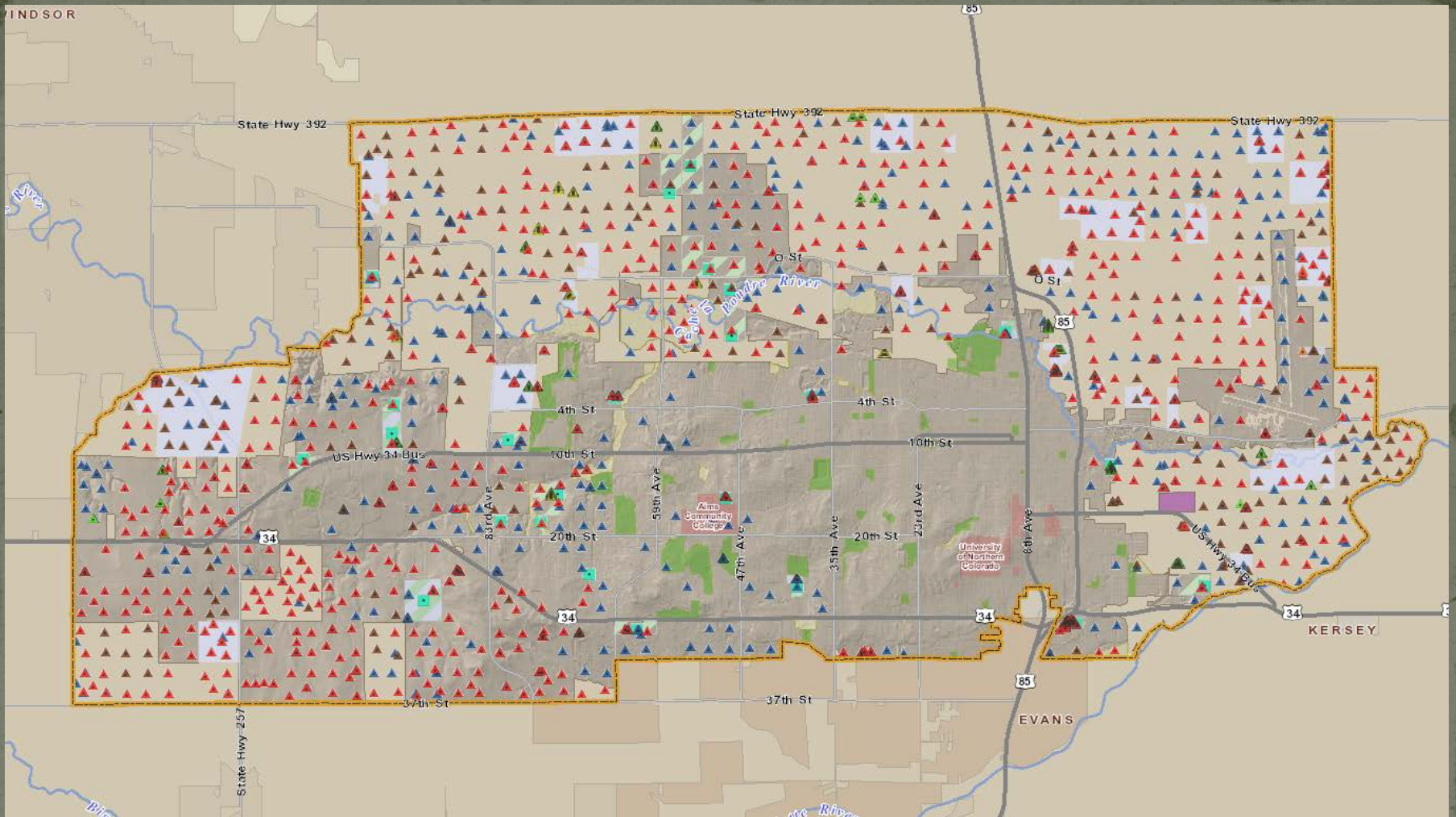


**City of Greeley
Oil & Gas Fire Inspection
Program**

**Why did the City of
Greeley develop an Oil &
Gas Fire Inspection
Program?**

Oil & Gas Fire Inspection Program

- ✓ Address citizen concerns for oil & gas development in urbanized areas.
- ✓ Address citizen concerns for community development near existing oil & gas locations.
- ✓ Become familiar with oil & gas locations in our response jurisdiction
- ✓ Preplan fire department response to these locations in the event of an emergency
- ✓ Safety Advocate for the Community - extra set of eyes on these locations in addition to the state inspections



City Limits: 483 active wells

City Limits & Long Range Expected Growth Area: 1,373 wells

**What steps did we take
to develop an Oil & Gas
Fire Inspection
Program?**

Oil & Gas Fire Inspection Program

- ✓ Developed and implemented an inspection program (fire code violations, inspection form, etc.)
 - First comprehensive oil and gas fire inspection program that we are aware of
 - Trained with COGCC and CDPHE Inspectors
 - Incorporated inspection practices used by COGCC and CDPHE Inspectors that are relevant to fire inspections
 - Modified existing fire inspection practices so they are relevant to the oil & gas industry

Oil & Gas Fire Inspection Program

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Oil & Gas Fire Inspection Program

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Oil & Gas Fire Inspection Program

- ✓ Established and developed principled relationships with our local operators in the oil and gas community
 - ❖ Met mandatory training requirements the local operators required for all personnel on their locations:
 - SafeLand Training
 - Operator Specific Training Requirements
 - H₂S Awareness Training

**How does the
International Fire Code
pertain to Oil & Gas
Facilities?**

International Fire Code





2015 IFC

sections 5706.3 – 5706.3.8

**How do we prioritize
our Oil & Gas Fire
Inspections?**

Risk Factor Areas

| | | Higher (5) | (4) | (3) | (2) | Lower (1) | RF Weight |
|---|--|---|--|----------------------|----------------------|----------------------|--------------|
| 1 | <i>Population Density & Urbanization</i> | >25 p/mi2 Within Municipal Boundary | 6-25 p/mi2 Within Municipal Boundary | 1-6 p/mi2 | 0.5 -1 p/mi2 | <0.5 p/mi2 | 10% |
| 2 | <i>Environment (Wildlife & Water)</i> | Multiple Criteria | Multiple Criteria | Multiple Criteria | Multiple Criteria | Multiple Criteria | 20% |
| 3 | <i>Time Since Last Inspection</i> | >5 yrs | 3-5 | 2-3 | 1-2 | <1 | 15% |
| 4 | <i>Years In Service</i> | >20 yrs | 10-20 | 3-10 | 0-3 | 0 | 30% |
| 5 | <i>Reported Spills (Location)</i> | >4 | 3-4 | 2 | 1 | 0 | 10% |
| 6 | <i>Corrective Actions (Location)</i> | >3 | | 1-3 | | 0 | 15% |

| | |
|---|-------------------------|
|  | People |
|  | Environment |
|  | Time |
|  | History (Site-specific) |



Greeley Fire Department

Oil & Gas Site

Target Hazard Assessment Form

| | | 1 point | 2 points | Score |
|-------------------------------|--|---------------------------------|---------------------------------|-------|
| 1 | Population Density & Urbanization | <25 people within a square mile | >25 people within a square mile | |
| 2 | History of Violations at location | No Violations | 1 or more on last inspection | |
| 3 | Size of the location | Small pad site | Large multi-well pad site | |
| 4 | Time since last inspection | Less than 3 years | 3 years or more | |
| 5 | Overall Impression "Potential for Community Impact" | Low | High | |
| Total Score: | | | | |
| Risk Assessment Rating | | High Priority: Score > 6 | Low Priority: 6 or less | |

Oil & Gas Fire Inspection Program

Fire Inspection Prioritization Schedule:

- ✓ The oil & gas facilities are pre-planned and ranked during their initial fire inspection, and re-evaluated during subsequent inspections.
- ❖ High priority locations are inspected at least annually, but often more frequently.
- ❖ Low priority locations are inspected every 3 years.

Oil & Gas Fire Inspection Program

Complaint Based Inspections:

- ✓ Inspections resulting from a citizen complaint or a professional referral.
- ✓ Multiple City of Greeley Departments work closely together on these complaints and provide a coordinated response to address these concerns:
 - Greeley Fire Department Fire Inspectors
 - City of Greeley Planning & Zoning officials
 - City of Greeley Code Compliance officers
 - City of Greeley Police Department officers

**After the fire inspection
is completed**

Oil & Gas Fire Inspection Program

Reporting process for Fire Inspections results:

- ✓ An inspection report is sent to the operator that includes results and findings of the fire inspection and any corrective actions that are required.
- ✓ The operator *and* appropriate state regulatory agency are immediately notified of a significant / serious violation and/or a health and safety concern and immediate corrective action is required.

**Identified results and
benefits of our fire
inspection**

Oil & Gas Fire Inspection Program

- ✓ Improved knowledge of the oil & gas facilities in our community that has allowed the fire department to be prepared in the event of an emergency incident at these locations.
- ✓ Developed Principled Relationships with local operators and state regulatory agencies
- ✓ Significant decrease in fire code violations

**The future of the
Greeley Fire Department's
Oil & Gas Fire Inspection
Program**

City of Greeley

Oil & Gas Resources and GIS Map

www.greeleygov.com

- ✓ All of the Oil & Gas locations within the City of Greeley and the City of Greeley Long Range Expected Growth Area.
- ✓ Well and location information (Name, owner, etc.)
- ✓ Links to the COGCC website for specific details regarding the well and location.
- ✓ Links to the COGCC inspections conducted at the location.
- ✓ In the near future, there are plans to add a link to the Greeley Fire Department's fire inspections conducted at the location.

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