



Supplied Industrial Solutions

Granite City, IL 62040

Contract: Weldon Springs-Natural Gas Conversion

Location: The site for this project is on the southeastern side of the Weldon Spring Training Area, 88th Regional Readiness Command, in St. Charles County, Missouri.

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| Contract Amount: | Original Contract Amount | \$ 348,790.00 |
| | Final Contract Amount | \$ 362,485.00 |

Period of Performance: 03/12/2019 – 03/11/2020. Work was substantially complete in late November 2019.

Client: USACE Louisville District

SCOPE OF WORK AND PROJECT SUMMARY

The project involved the conversion of seven buildings at the Weldon Springs 88th RD Reserve Center campus from propane to natural gas.

The local gas utility company extended a new gas main to the campus and provided new gas meters at each of the buildings receiving new gas service.

Supplied Industrial Solutions was responsible for installing new underground service laterals from the new main to each building, completing work on the new gas meters and regulators, making final building gas service connections, and modifying and adjusting existing fuel fired equipment from propane to natural gas. Fuel-fired equipment included air handling units, heating units, boilers, water heaters, and kitchen equipment.

Challenges/Solutions

The work included the removal of existing underground and exposed propane piping. Underground piping that remained was purged of propane using nitrogen. Supplied Industrial Solutions was responsible to coordinate utility locates and the installation of new underground lateral gas feeds from the new gas main to each building using directional boring. Directional boring across the site included crossings under roadways, concrete pavement and sidewalk, and other existing utilities. This challenge was overcome through close coordination with local utility locate services. Once the new laterals were completed, Supplied Industrial Solutions coordinated

the final connections to the new main with the local gas utility. Working with local utility providers is always challenging as they have their own schedules to meet. This challenge again was overcome through communication and coordination.

To reduce impact to the ongoing operations, the work was performed during the Summer months while building heating was not an issue. One way Supplied Industrial Solutions reduced the overall schedule was to work inside the buildings to convert the fuel-fired equipment over to natural gas concurrently with the exterior utility work. Once the new gas service was available at each building the interior fuel-fired equipment was tested and adjusted by equipment technicians. Additionally, each building regulator was tested and adjusted to meet the required gas loads.

Frequent coordination meetings were held during the project with the entire Team to discuss issues and present strategies to maintain schedule or accelerate the work where possible. The campus and job site(s) were remote which required comprehensive planning and scheduling of work by the project staff so that delays would not occur. These efforts allowed the project to be substantially completed four months ahead of schedule and more importantly before the heating season.









