



48 WEST YOUNG ST. • PO BOX 886 • MORGAN, UT 84050

Ms. Karen Lynch
U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration
Office of Pipeline Safety (PHP-20)
1200 New Jersey Avenue, SE, E22-230
Washington, D.C. 20590

RE: Morgan County Technical Assistance Grant, Agreement No. DTPH5615GPPT13

Dear Ms. Lynch,

Morgan County, Utah has completed a successful Pipeline Safety Assessment project in their community funded by the USDOT Pipeline and Hazardous Materials Safety Administration's Technical Assistance Grant program. This Final Report details the completed tasks included in this project.

FINAL REPORT

Morgan County Technical Assistance Grant
Pipeline Safety Assessment, GIS Mapping and Public Awareness

Background

Morgan County is a rural county located on the eastern side of the Wasatch Range in the State of Utah. The County consists of 611 sq. miles of land area, with a population of 11,065. Within the County there are six major transmission pipelines that carry various hazardous materials which include natural gas, jet fuel, crude oil, and other petroleum products. These pipelines include Kern River, Questar, Plains Pipeline, and Phillips 66. The pipelines are located along, over and/or under the main transportation corridors, rivers and waterways, residential areas, and major economic and education hubs within the County.

To prevent and be prepared for emergencies associated with the hazardous pipelines, the Morgan County Emergency Services requested a Technical Assistance Grant from PHMSA.

Task 1 Project Kickoff Meeting

A kickoff meeting was held wherein specific needs and details of the project were discussed among County personnel and consultants. County staff determined the information that would need to be collected to be most useful to meet pipeline safety goals. It also outlined the data needed to create emergency evacuation maps. This meeting charted the course for an effective and efficient project.

Task 2 GPS Data Collection

GIS Specialists collected existing GIS data from Morgan County, utility data from Morgan City and private utility companies. They also worked with pipeline operators to gather data from pipeline companies and map locations of hazardous pipelines in GIS. Locations of schools, churches, civic buildings, parks, public gathering areas were also added to the maps. To aid in emergency response, fire hydrant locations, river diversions, and bridges were also mapped and characteristics were included in the database.

Task 3 GIS-Based Hazard Management System

A hazard management base map was created in ArcGIS with data workflow designed for the hazard management system. An emergency event tracking layer was created in GIS. Network tracing abilities were set up to model emergency response capabilities.

These maps were published to ArcGIS online and a web-based application was created for the County Emergency and Hazard Management Team. The maps and information are available in the field via secure login as well as in a disconnected and backed-up environment on the provided laptop computer.

Task 4 Pipeline Safety Analysis and Emergency Scenarios

A pipeline safety analysis was conducted to determine the proximity of hazardous pipelines in relation to existing infrastructure and the Weber River. Problem areas/ "hot spots" were identified in the network of hazardous pipelines, existing infrastructure, and river. Evacuation areas were developed for different scenarios. Deficiencies in emergency response routes were identified along with potential evacuation routes & shelters. This information was included in the final maps and database to be updated regularly.

A pdf version of this map is attached to this report.

Task 5 Educational Community Outreach

Meetings were held with the Emergency Services department, school officials and pipeline operators to discuss the findings of the pipeline safety analysis so the information could be incorporated into other emergency response plans.

To inform the public of the "811 Call Before You Dig" program, an informational postcard was mailed to each household in the County. The information was also posted as a banner on the County website.

The public information postcard is attached to this final report.

Task 6 Software Installation and Training

An ArcGIS license and laptop computer were purchased with grant funds and GIS Specialists installed the ArcGIS software onsite for the Emergency Services Department.

County personnel were trained on using and updating the maps and on using the mobile apps and the hazard management system.

Summary

Morgan County appreciated this opportunity to work with the Pipeline and Hazardous Materials Safety Administration on this successful project. We now have a better understanding of the locations of critical infrastructure and utilities in the community in relation to the pipelines, a hazard management system with evacuation routes and zones identified, and improved public awareness of the "811 Call Before You Dig" program to prevent accidental damage to hazardous pipelines in our community. With this foundation in place, our County will be able to keep this information up-to-date and continue making safety a priority in our community.

Sincerely,

A handwritten signature in black ink that reads "Bonnie Thomson". The signature is written in a cursive, flowing style.

Bonnie Thomson
Morgan County Treasurer

Enclosures: Morgan County Evacuation Zone Map and Hazardous Pipeline Evacuation Area Map
Morgan County Public Information Postcard

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted US Department of Transportation - Pipeline and Hazardous Materials Safety Administration	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) DTPH5615SN0002	Page of 1 1 pages
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3. Recipient Organization (Name and complete address including Zip code)
 Morgan County, 48 West Young Street, Morgan, UT 84050

4a. DUNS Number 50406461	4b. EIN 87-6000306	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) DTPH5615GPPT13	6. Report Type <input type="checkbox"/> Quarterly <input checked="" type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Project/Grant Period (Month, Day, Year) From: 9/30/2015 To: 9/30/2016	9. Reporting Period End Date (Month, Day, Year) 9/30/2016
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10. Transactions Cumulative

(Use lines a-c for single or combined multiple grant reporting)

Federal Cash (To report multiple grants separately, also use FFR Attachment):

a. Cash Receipts	75,895.00
b. Cash Disbursements	75,895.00
c. Cash on Hand (line a minus b)	0

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:

d. Total Federal funds authorized	75,895.00
e. Federal share of expenditures	75,895.00
f. Federal share of unliquidated obligations	0.00
g. Total Federal share (sum of lines e and f)	75,895.00
h. Unobligated balance of Federal funds (line d minus g)	0

Recipient Share:

i. Total recipient share required	0
j. Recipient share of expenditures	0
k. Remaining recipient share to be provided (line i minus j)	0

Program Income:

l. Total Federal share of program income earned	0
m. Program income expended in accordance with the deduction alternative	0
n. Program income expended in accordance with the addition alternative	0
o. Unexpended program income (line l minus line m or line n)	0

11.	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
Indirect Expense							
g. Totals:					0	0	0

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

13. Certification: By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and intent set forth in the award documents. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official Bonnie Thomson, Treasurer	c. Telephone (Area code, number, and extension) (801) 845-4030
bc Signature of Authorized Certifying Official 	d. Email Address bthomson@morgan-county.net
e. Date Report Submitted (Month, Day, Year) 10/28/2016	14. Agency use only:

Standard Form 425 - Revised 10/11/2011
 OMB Approval Number: 0348-0061
 Expiration Date: 2/28/2015

Paperwork Burden Statement
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