

Monthly Report for Air Quality Projects

Jonah Interagency Office and Pinedale Anticline Project Office

DEQ/Air Quality Division

June 2010

Project Name: **American Recovery and Reinvestment Act (ARRA) Diesel Emissions Reduction Act (DERA)** – This project involves changing out older engines on non-road equipment with new engines (Tier 1 to Tier 4) – twenty (20) repowers. In some instances, older engines are provided with engine upgrades (EUGs), which raise the tier level – fourteen (14) EUGs. The intent of the project is to reduce diesel emissions from older, non-road heavy equipment operating in the Upper Green River Basin.

Work Completed: 34 engines have been identified for repowers or EUGs. Work has been completed on all fourteen (14) EUGs and twelve (12) repowers. Invoices have been received and reimbursement requests have been sent to the State.

Opportunities for all of the funds (including federal dollars, as well as JIO and PAPO matching funds) have been identified.

Upcoming Activities: There are currently four (4) engine repowers being worked on at Wyoming Machinery and four (4) engine repowers being worked on at a different vendor (Smith PPI). 100% of the work must be completed by September 1, 2010. Everyone is actively working towards this goal.

Budget: \$225k earmarked for JIO, \$262,470.00 earmarked for PAPO.

Schedule on Target? Yes.

Other Comments: The federal reports we have been submitting have been on time, accepted, and accurate.

Project Name: **Non-Road Equipment Muffler Change-Out (Heavy Machinery)** - This project involves changing out mufflers on non-road equipment with new mufflers equipped with technology to reduce nitrogen oxides, particulate matter, hydrocarbons, and carbon monoxide. The intent of the project is to reduce diesel emissions in the Upper Green River Basin.

Work Completed: This Program is in full swing. Forty-six (46) \$2500 vouchers have been given away to owners of eligible non-road equipment for the purchase and installation of a diesel oxidation catalyst (a fancy muffler, basically). All of the Project Agreements have been tailored to the recipients - TEPPCO, WYDOT, Noble Construction, M&N Equipment, Anticline Disposal, KSI, FCC, and Teletractors.

Twenty-eight (28) vouchers have been redeemed for payment (so far). Eighteen (18) vouchers are in various stages of completion.

Upcoming Activities: The remaining eighteen (18) vouchers will be redeemed and paid.

Budget: \$150k earmarked and approved; only using \$115k, however.

Schedule on Target? Yes.

Other Comments: No other comments at this time.

Project Name: **Community Outreach Effort – “What Can I Do?” Campaign** - This project involves providing opportunities for Sublette County citizens to lessen their contribution to environmental pollution in the Upper Green River Basin.

Work Completed: The 2010 ozone season has ended; therefore no more environmental messages will be put into the local newspapers.

Upcoming Activities: Environmental messages will be supplied until the funds are expended (likely winter 2011).

Budget: \$7.4k has been spent of the \$10.3k earmarked. Approximately \$2.9k remains.

Schedule on Target? Yes.

Other Comments: No other comments.

Project Name: **2010 Wood Stove Change-Out Program** – this project involves changing out 100 old, dirty wood stoves with EPA-certified stoves. The intent of the project is to reduce wood smoke emissions going into the Upper Green River Basin’s Airshed.

Work Completed: This project is in full swing and we have already had feedback from a few people that have newly-installed stoves! They are completely happy!

Upcoming Activities: On-going work throughout the summer to get everyone's stove in by October 2010.

Budget: \$106,104.00 (JIO) and \$103,750.00 (PAPO)

Schedule on Target? Yes.

Other Comments: No other comments.

Project Name: **Koch DOCs** – this project involves providing \$50,000 to Koch Construction for the purchase and installation of DOCs on non-road, heavy equipment.

Work Completed: The grant agreements have been signed and equipment has been identified that will receive the DOCs.

Upcoming Activities: Work is scheduled to begin.

Budget: \$25,000.00 (JIO) and \$25,000.00 (PAPO)

Schedule on Target? Yes.

Other Comments: No other comments.

Project Name: **A Spatial Measurement and Survey Approach for Improving Emission Inventory Factors and Input Data for Ozone Modeling Associated with the PAPA** (AKA: UW PASQUA) – this project involves research performed by the University of Wyoming to improve the air quality emissions inventory and ozone modeling data through an approach that combines fixed site measurements, spatial pollutant surveys, and data analysis techniques.

Work Completed: The Interagency Agreement has been put in place. Jim Lucas (PAPO Project Coordinator) signed 1/7/2010 and Dorothy Yates (University of Wyoming Associate Vice President for Research) signed 1/4/2010. An amendment to the agreement was signed by both parties fixing a date discrepancy.

Upcoming Activities: Field work shall commence.

Budget: \$273,001.00 has been approved.

Schedule on Target? Yes.

Other Comments: Ken Rairigh, WYDEQ/AQD is serving as the Project Manager. There are bi-monthly phone calls scheduled on Fridays for project updates.

Completed Projects:

Project Name: **2009 Wood Stove Change-Out Program** – this project involved changing out 41 old, dirty wood stoves with EPA-certified wood stoves. The intent of the project was to reduce wood smoke emissions going into the Upper Green River Basin.

Work Completed: 41 EPA-certified stoves have been installed and vendor invoices have been paid. Approximately 10 TPY of pollution has been reduced.

Upcoming Activities: None.

Budget: \$147k has been spent of the earmarked \$150k. Project came in \$3k under budget.

Schedule on Target? Yes, project is complete.

Other Comments: Surveys were sent out and about 20 were returned. The majority of recipients responded “excellent” to the overall program. The majority of respondents also stated that they have become more environmentally aware and may be changing their own habits to benefit the environment. Other comments were received and can be made available upon request.

Project Name: **Environmental Book Donation for Sublette County Citizens** – this project involved providing the Sublette County School System and various county-sponsored daycare centers environmental literature (books, DVDs, etc.) so that they may educate citizens about environmental issues.

Work Completed: Project is complete.

Upcoming Activities: None.

Budget: All \$8k earmarked has been spent.

Schedule on Target? Yes, complete.

Other Comments: No other comments.

Project Name: **Dust Suppression for High Meadow Ranch Property Owners Subdivision** – this project involved applying road base and magnesium chloride to at least 7.2 miles of highly traveled roads in Sublette County’s most densely populated subdivision.

Work Completed: This project began on 5/1/2010 and took three (3) weeks to complete.

Budget: \$324,000 has been approved, invoiced, and paid.

Schedule on Target? Yes.

Other Comments: The full report (including pictures and matching funds) is available upon request.

Project Name - JIO	Committed	Earmarked	Requested Payments	Remaining Balance
ARRA DERA Contribution (Project in Progress)	\$225,000.00	\$225,000.00	\$160,573.78	\$64,426.22
Non-Road DOC Muffler Change-Out (Project in Progress)	\$115,000.00	\$115,000.00	\$70,201.36	\$44,798.64
Environmental Campaign - Community Outreach (Project in Progress)	\$10,312.00	\$10,312.00	\$7,635.12	\$2,676.88
Dust Suppression for HMRPO (Completed Project)	\$324,000.00	\$324,000.00	\$ 323,856.39	\$ -
2010 Wood Stove Change Out Program (Project in Progress)	\$106,104.00	\$106,104.00	\$105,485.00	\$619.00
Koch DOCs (Project in Progress, No Invoices Received)	\$25,000.00	\$25,000.00	\$ -	\$25,000.00
2009 Wood Stove Change Out Program (Completed Project)	\$146,903.11	\$150,000.00	\$146,903.11	\$ -
Environmental Book Donation (Completed Project)	\$8,000.00	\$ 8,000.00	\$ 8,000.00	\$ -
Ozone Study - 2007 (Completed Project)	\$442,000.00	\$442,000.00	\$ 442,000.00	\$ -
TOTAL	\$ 1,402,319.11			

Project Name - PAPO	Committed	Earmarked	Requested Payments	Remaining Balance
ARRA DERA Contribution (Project in Progress)	\$262,470.00	\$262,470.00	\$166,573.75	\$95,896.25
2010 Wood Stove Change Out Program (Project in Progress)	\$103,750.00	\$103,750.00	\$103,750.00	\$ -
Koch DOCs (Project in Progress, No Invoices Received)	\$25,000.00	\$25,000.00	\$ -	\$25,000.00
UW PASQUA (Project in Progress)	\$273,001.00	\$273,001.00	\$273,001.00	\$ -
TOTAL	\$664,221.00			