

**Dave Heineman**  
Governor

# STATE OF NEBRASKA

DEPARTMENT OF NATURAL RESOURCES  
**Ann Bleed**  
Acting Director

April 17, 2007

IN REPLY TO:

TO: Jack Wergin

FROM: Steve Gaul *Steve*

SUBJECT: Request for Reimbursement on Agreement No. 03FC601826 for Improved Hydrologic Data Collection Systems for Drought Monitoring and Submission of Final Report

Attached is the final request for reimbursement on Agreement No. 03FC601826 for Improved Hydrologic Data Collection Systems for Drought Monitoring as well as a copy of our final report for that project. The request is in the amount of \$23,892.71 and is contained on a form SF 270. I have also enclosed separate sheets providing expenditures to date on the agreement and billings by billing category. Finally, I have included the amounts to each landowner on each meter. Our expenditures by category for the Period of April 4, 2006 to February 8, 2007 were:

\$23,892.71                      Meter Cost Share for South Platte NRD

\$23,892.71                      Total

One item about the meter cost share being billed is noteworthy. In going through our records of billings for eligible South Platte Meter cost share we found that the amounts we paid on March 22, 2005 were not charged. We have included a sheet providing total billings by meter and sheets breaking out individual meter payments for both the March 22, 2005 billing and the April 4, 2006 to February 8, 2007 periods. March 22, 2005 was the day one previous billing period ended and it appears possible that the amounts may have been entered in our records after the billing amount was calculated earlier in the day.

Jack, I am unsure what you need on the final report, so if you need additional information, please let me know. The final expenditure table included with the report should help explain how funds on the project were expended.

Attachments

# REQUEST FOR ADVANCE OR REIMBURSEMENT

(See instructions on back)

OMB APPROVAL NO. PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES  
**0348-0004**

1. TYPE OF PAYMENT REQUESTED

a. \*X\* one or both boxes  
 ADVANCE     REIMBURSEMENT

b. \*X\* the applicable box  
 FINAL     PARTIAL

2. BASIS OF REQUEST

CASH  
 ACCRUAL

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH THIS REPORT IS SUBMITTED  
**U.S. Bureau of Reclamation, Kansas-Nebraska Area**

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY

5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST

6. EMPLOYER IDENTIFICATION NUMBER  
**47-0491233**

7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER

8. PERIOD COVERED BY THIS REQUEST

FROM (month, day, year) **April 4, 2006** TO (month, day, year) **February 8, 2007**

9. RECIPIENT ORGANIZATION

Name: **NE Department of Natural Resources**

Number and Street: **301 Centennial Mall South, P.O. Box 94676**

City, State and ZIP Code: **Lincoln, NE 68509-4676**

10. PAYEE (Where check is to be sent if different than item 9)

Name:

Number and Street:

City, State and ZIP Code:

## 11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED

PROGRAMS/FUNCTIONS/ACTIVITIES	(a) Meter Cost-Share for South Platte NRD	(b)	(c)	TOTAL
a. Total program outlays to date (As of date)	\$ 23,892.71	\$	\$	\$ 23,892.71
b. Less: Cumulative program income				0.00
c. Net program outlays (Line a minus line b)	23,892.71	0.00	0.00	23,892.71
d. Estimated net cash outlays for advance period				0.00
e. Total (Sum of lines c & d)	23,892.71	0.00	0.00	23,892.71
f. Non-Federal share of amount on line e				0.00
g. Federal share of amount on line e				0.00
h. Federal payments previously requested				0.00
i. Federal share now requested (Line g minus line h)	23,892.71	0.00	0.00	23,892.71
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances	1st month			0.00
	2nd month			0.00
	3rd month			0.00

## 12. ALTERNATE COMPUTATION FOR ADVANCES ONLY

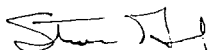
a. Estimated Federal cash outlays that will be made during period covered by the advance	\$
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period	
c. Amount requested (Line a minus line b)	\$ 0.00

**CERTIFICATION**

13.

I certify that to the best of my knowledge and belief the data on the reverse are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.

SIGNATURE OR AUTHORIZED CERTIFYING OFFICIAL



DATE REQUEST SUBMITTED

APR 17  
March 7, 2007 56

TYPED OR PRINTED NAME AND TITLE

Robert Stephen Gaul  
Supervisor, Planning and Assistance Division

TELEPHONE (AREA CODE, NUMBER, EXTENSION)

This space for agency use

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0004), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**INSTRUCTIONS**

Please type or print legibly. Items 1, 3, 5, 9, 10, 11e, 11f, 11g, 11i, 12 and 13 are self-explanatory; specific instructions for other items are as follows:

<u>Item</u>	<u>Entry</u>	<u>Item</u>	<u>Entry</u>
2	Indicate whether request is prepared on cash or accrued expenditure basis. All requests for advances shall be prepared on a cash basis.		activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, functions, or activities should be shown in the "total" column on the first page.
4	Enter the Federal grant number, or other identifying number assigned by the Federal sponsoring agency. If the advance or reimbursement is for more than one grant or other agreement, insert N/A; then, show the aggregate amounts. On a separate sheet, list each grant or agreement number and the Federal share of outlays made against the grant or agreement.	11a	Enter in "as of date," the month, day, and year of the ending of the accounting period to which this amount applies. Enter program outlays to date (net of refunds, rebates, and discounts), in the appropriate columns. For requests prepared on a cash basis, outlays are the sum of actual cash disbursements for goods and services, the amount of indirect expenses charged, the value of in-kind contributions applied, and the amount of cash advances and payments made to subcontractors and subrecipients. For requests prepared on an accrued expenditure basis, outlays are the sum of the actual cash disbursements, the amount of indirect expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for goods and other property received and for services performed by employees, contracts, subgrantees and other payees.
6	Enter the employer identification number assigned by the U.S. Internal Revenue Service, or the FICE (institution) code if requested by the Federal agency.	11b	Enter the cumulative cash income received to date, if requests are prepared on a cash basis. For requests prepared on an accrued expenditure basis, enter the cumulative income earned to date. Under either basis, enter only the amount applicable to program income that was required to be used for the project or program by the terms of the grant or other agreement.
7	This space is reserved for an account number or other identifying number that may be assigned by the recipient.	11d	Only when making requests for advance payments, enter the total estimated amount of cash outlays that will be made during the period covered by the advance.
8	Enter the month, day, and year for the beginning and ending of the period covered in this request. If the request is for an advance or for both an advance and reimbursement, show the period that the advance will cover. If the request is for reimbursement, show the period for which the reimbursement is requested.	13	Complete the certification before submitting this request.
<p>Note: The Federal sponsoring agencies have the option of requiring recipients to complete items 11 or 12, but not both. Item 12 should be used when only a minimum amount of information is needed to make an advance and outlay information contained in item 11 can be obtained in a timely manner from other reports.</p>			
11	The purpose of the vertical columns (a), (b), and (c) is to provide space for separate cost breakdowns when a project has been planned and budgeted by program, function, or		

**Total Expenditures on Agreement 03 FC 601826  
Improved Hydrologic Data Collection Systems for Drought Monitoring  
Period of 9/27/05 to 2/2/06**

<u>Item</u>	<u>Spent This Period</u>	<u>Spent To Date</u>	<u>Budgeted</u>	<u>Expected Final Expenditure</u>	<u>Completed</u>
Assistance to Republican Irrigation Districts	0	\$151,500.00	\$151,500.00	\$151,500.00	Yes
Assistance to Republican Irrigation Districts 05	0	169,650.00	169,650.00	169,650.00	Yes
Lake McConaughy Water Set Aside	0	47,310.59	50,000.00	47,310.59	Yes
Improved Distribution of Streamflow Information via Internet	15,662.27	124,065.77	113,500.00	124,075.77	Yes
Upgrade six Big Blue Gaging Stations and Two Platte gages to DCPs (CR Fullerton Loup Power Ret), six Ord Gages, and four Norfolk Gages to DCPs		86,500.00	86,500.00	86,500.00	Yes
Purchase DCS Processing Tool Kit with Install/Training	0	4,000.00	(6,500)	4,000.00	Yes
Hydrological Data Manager Administrative Package	0	5,202.00	(6,000)	5,202.00	Yes
Sewer to House Hydro Manager Software and Data		5,339.50	(6,000)	5,339.50	Yes
Consulting Contract on Web Page Upgrade and Data Collection	0	0	(8,500)	0	
*In House Training in Use of WISKI Hydrologic Software	0	7,372.00	----	7,372.00	Yes
*Satellite Data Collection Platforms/loggers	15,662.27	15,652.27	----	15,662.27	Yes

<b>Equip DNR with Flow Measurement Equipment</b>	<b>2,500.14</b>	<b>19,956.14</b>	<b>16,500</b>	<b>19,956.14</b>	<b>Yes</b>
2 Ultrasonic Open Channel Flow Meters	9,000.00	9,000.00	(9,000)	9,000.00	Yes
1 Doppler Meter for Lincoln Field Office	0	1,138.00	(1,150)	1,138.00	Yes
3 Aqua-Calcs	0	5,110.00	(6,350)	5,110.00	Yes
1 Additional AquaCalc*	0	2,208.00	---	2,208.00	Yes
A Digital GPS Camera for Field Office Use*	1,362.14	1,362.14	---	1,362.14	Yes
1 Additional Doppler Meter	1,138.00	1,138.00	---	1,138.00	Yes
<b>Upgrade Gaging Equipment in Republican Basin</b>	<b>0</b>	<b>15,682.20</b>	<b>16,850.00</b>	<b>15,682.20</b>	<b>Yes</b>
5 Satellite Links	0	13,310.00	(13,500)	13,310.00	Yes
Walking Bridge at Cambridge & Ladder at Medicine Creek	0	2,372.20	(3,500)	2,372.20	Yes
<b>Meter Cost-Share for South Platte NRD</b>	<b>23,892.71</b>	<b>10,000.00</b>	<b>100,000</b>	<b>100,000.00</b>	<b>Yes</b>
<b>On-Site Computer Capabilities for Surface Water Distribution (14 systems)</b>	<b>0</b>	<b>37,211.14</b>	<b>37,000</b>	<b>37,211.14</b>	<b>Yes</b>
Place a New Gage on South Platte River near Paxton	0	4,589.84	15,000	4,589.84	Yes
Update Drought Mitigation Plan	0	25,000.00	25,000	25,000.00	Yes
<b>TOTAL</b>	<b>\$19,316.22</b>	<b>\$694,975.68</b>	<b>\$695,000</b>	<b>\$694,975.68</b>	<b>No</b>
Initial Grant in 2003 (which included \$200,000 in Republican Meter Funds)	0	238,000	238,000	238,000	Yes
<b>GRAND TOTAL</b>	<b>\$19,316.22</b>	<b>\$932,975.68</b>	<b>\$933,000.00</b>	<b>\$932,975.68</b>	

\*New categories provided in a November 3, 2005 memo to Jack Wergin, USBR and subsequently approved. The satellite data collection platforms/loggers category is a combination of three categories provided in that letter.

Final Program Performance Report – Agreement 03FC601826  
Improved Hydrologic Data Collection Systems for Drought Monitoring

A) Comparison of Actual Accomplishments with Goals and Objectives

Assistance to Republican Irrigation Districts

Reclamation assistance totaling \$151,500 was passed through to four irrigation districts in the Republican River Basin for the 2004 irrigation season and \$169,650 for the 2005 irrigation season. This resulted in those districts not calling for water from Swanson Lake, Hugh Butler Lake, Enders Reservoir and Harlan County Lake when the reservoirs were below specified levels. This in turn provided fish and wildlife and recreation benefits to the area.

Lake McConaughy Water Set Aside

This project paid \$47,310.59 to irrigators that rely on Lake McConaughy surface water not to rely on that water during the 2004 irrigation season thereby leaving more water in the lake as a benefit for recreation, hydropower production, power plant cooling purposes, and fish and wildlife habitat. The project accomplished those objectives.

Improved Distribution of Streamflow Information via the Internet

The goal of this project was to give the Department the capability to provide more timely “real time” stream gaging data over the internet. That goal has been partially met in that real time data is now available internally for most stations. In the next year it is expected to also become available on the internet. Because of this project NDNR has upgraded Big Blue Basin gaging stations, two Platte River gaging stations, stations run by the DNR Norfolk office and stations run by the DNR Ord office to satellite data collection platforms, purchased data collection processing software and purchased software and a server to quickly aggregate and display stream gaging data in more useful graphical formats. There was additional training contracted for use of this software. This software has been adopted throughout the DNR field offices. DNR staff has also developed a system for integrating DNR and USGS gage records on the DNR site pending implementation of the real time effort. The major issue standing in the way of implementing a system for placing all data on the web in a near real time or at least once per day posting is integrating field office working and confirmation of records. This will be an agency focus in the coming year.

Equip DNR with Flow Measurement Equipment

In times of drought the number of calls for water administration increase and the objectives in obtaining new equipment included reducing the likelihood of miscalculations, providing more timely streamflow measurement, reduced checking time, easier data storage and uniformity of equipment. The purchase equipment helped in each of these regards. It included two Ultrasonic open channel flow meters, two dopler meters, four Aqua-Calcs, and one GPS camera for field office use.

### Upgrade Gaging Equipment in Republican Basin

This equipment has been used to help in management of a basin that is implementing an interstate settlement and where accurate and timely measurement is very important. It is also a basin with significant Reclamation interests. Purchase included five satellite links for gages and materials for DNR staff to construct a walking bridge at the Cambridge gage and a ladder at the Medicine Creek gage.

### Meter Cost Share for South Platte Natural Resources District

The objectives for this project included assisting landowners in better managing their water through meters and assisting in implementation of the District's Integrated Water Management Plan. Metering allows better management at all times but is especially important in drought years.

This was the final item in the entire grant agreement to be completed, with all other funds being expended by April 3, 2006 and the final meter on this project being billed on February 7, 2007. Billing to Reclamation needed to wait until the District was able to find landowners willing to take the cost share and begin the installation process. A total of 138 meters were installed at a program cost of \$100,000. This constituted 50% cost-share.

### On-Site Computer Capabilities for Surface Water Distribution

This project provided NDNR field staff with laptop computer systems and accessories or PDAs to eliminate the burden of carrying maps, assist record keeping and reduce calculation errors. This enables more work to be done in the field. A total of 15 systems were purchased.

### Place a New Gage on South Platte River Near Paxton

This particular gage has been placed in an important reach of a river subject to an interstate cooperative agreement. The data generated is likely to be very useful in future management, particularly in times of drought.

### Update Drought Mitigation Plan

This plan was completed on \_\_\_\_\_ and copies were delivered to NDNR. Reclamation should already have copies of this plan, but if not, we can provide them.

### B) Where Project Output Can be Quantified, A Compilation of the Cost Per Unit of Output

The one portion of the project most easily subject to this type of quantification is the South Platte meters project. A total of 98 records for 138 meters were paid for the \$100,000 project cost. This total program cost per meter was \$724.63. This constituted 50% cost-share. The expenditures table accompanying this report provided additional information on numbers of various types of equipment purchased as well as cost.

### Other Pertinent Data

Because we were able to complete some portions of the grant at amounts less than originally anticipated, a request was made on November 3, 2005 to expend funds on similar but different items within the scope of the grant. That change was subsequently approved and the final categories and amounts included on the total expenditures chart reflect that change.



Nebraska Soil and Water Conservation Fund Status Report  
Period 12/1/04 thru 2/8/07

South Platte NRD		
12/8/2004	CLIFF FARMS INC	\$1,056.06
12/21/200	JOHNSON, KENNETH V & JAMES C	\$570.50
1/10/2005	JOHNSON, KENNETH V & JANE M	\$757.23
1/21/2005	MISEGADIS, PAUL	\$641.00
2/18/2005	C O ATKINS TRUST	\$1,676.28
2/18/2005	FLOYD DERRY FARMS INC	\$1,646.49
2/18/2005	KFKV FARMS INC	\$2,195.32
2/25/2005	DERRY FARMS INC	\$1,846.97
2/25/2005	DERRY FARMS INC	\$2,787.87
2/25/2005	DERRY FARMS INC	\$1,654.19
2/25/2005	OLSEN JOINT VENTURE	\$690.37
3/2/2005	CHILDERS, IOAN E.	\$494.84
3/14/2005	SHARMAN, DON	<u>\$1,818.00</u>
3/22/2005	DOWD, EUGENE	\$498.49
3/22/2005	ELIAS, FLORINE	\$800.00
3/22/2005	KIELIAN FAMILY TRUST	\$1,515.32
3/22/2005	MOSER, BONNIE LINDENFELD	\$1,044.46
3/22/2005	PHYLLIS BAIRD TRUST	\$2,230.28
3/22/2005	STEELE, BILLY D.	\$1,136.00
3/22/2005	FERGUSON AND SON, INC.	\$536.47
3/29/2005	FAESSLER, JOHN	\$2,314.00
4/5/2005	MCMILLEN, PAUL H.	<u>\$536.47</u>
4/5/2005	RUNGE, ROBERT H.	\$2,413.18
4/5/2005	SCOTT, RICHARD J.	\$587.64
4/12/2005	DVORAK, SCOTT	\$1,152.06
4/22/2005	STECHEER, JARED	\$591.99
4/22/2005	VOWERS, MACK	\$551.24
4/22/2005	KRUEGER, RICHARD G.	\$643.00
4/26/2005	PHELPS, DANIEL B.	\$735.70
4/26/2005	GORANSON, LAVERNE FRANCIS	\$592.92
4/26/2005	BOOTH JR., FIRTH E.	\$578.50
4/26/2005	BOOTH, DAN D.	\$630.50
4/26/2005	BOOTH, DAN D.	\$630.50
4/26/2005	BOOTH, JR., FIRTH E.	\$630.50
4/26/2005	ANTHONY FARMS A PARTNERSHIP	\$1,133.07
4/28/2005	EVANS, MARLEEN E.	\$953.72
5/4/2005	HARROUN FARMS	\$1,540.56
5/9/2005	TERRESTRIAL LLC	\$3,611.28
5/9/2005	MOEHR, MIKE	\$601.88
5/9/2005	WILLIAMSON, CURTIS L.	\$681.28
5/11/2005	CANLEY, DENNIS	\$1,805.64
5/11/2005	CANLEY, DENNIS	\$1,805.64
5/11/2005	WALZ, LEE	\$287.91

12/1/04 - 3/22/05  
\$17,835.12

3/22/05

7761.02

3/23/05 - 6/15/05  
\$29,380.68

5/11/2005	WALZ, JANICE	\$287.92	
5/25/2005	BURBACK, ELIZABETH	\$524.87	
5/25/2005	JOHNSON, KENNETH V & JANE M JOHNSON	\$548.77	
6/3/2005	LOCKWOOD, SCOTT	\$524.87	
6/13/2005	VINCENT, ELSIE SIMMS	\$535.42	
6/13/2005	WILLIAMS, WAYNE	\$1,347.77	
6/14/2005	DOUG GUNDERSON FARMS INC	\$601.88	
6/20/2005	ADAMSON, ALAN	\$1,094.50	
6/20/2005	SCHNELL, FLOYD	\$2,004.50	
6/21/2005	JAMES, ROD	\$563.90	
6/23/2005	EVERTSON, DONALD	\$1,200.87	
6/23/2005	EVERTSON, IOLA	\$800.00	
6/23/2005	IOLA EVERSON TRUSTEE, ET AL	\$524.87	
6/27/2005	NIELSEN & SONS INC	\$1,095.37	
7/11/2005	FRERICHS, EVERETT	\$607.00	
7/11/2005	LUEHRS, ELBERNE	\$615.50	
7/11/2005	PEETZ LAND & CATTLE CO	\$1,192.00	25,187.98
7/20/2005	DUDNEY, GREGORY	\$1,139.40	
7/20/2005	KRIESEL, LEON	\$619.79	
7/20/2005	REUTER, MICHAEL	\$3,009.40	
7/20/2005	REUTER, MICHAEL	\$1,203.76	
7/21/2005	DEER RUN LLC	\$622.90	
7/28/2005	MCCLUNG, HAROLD & JEANETTE	\$575.01	
7/21/2005	NE LAND HOLDINGS LLC	\$623.11	
7/28/2005	HINRICHS, JOHN	\$512.57	
8/24/2005	MCCASLIN, LUCILLE	\$1,712.02	
8/24/2005	SHAW, CLINTON L	\$616.12	
8/24/2005	SHAW, TERRELL	\$593.44	
8/24/2005	MUELLER CATTLE COMPANY	\$519.59	
8/24/2005	RMS INC	\$600.30	
8/29/2005	PAULSEN, ROBERT M	\$1,468.03	
9/7/2005	FROM, MERRILL M & MARY JO	\$1,157.60	
9/26/2005	GAWITH HAYING & HAULING	\$516.43	
11/15/2005	GREGORY, JERRY	\$1,595.98	9/27/05 - 2/2/06
11/16/2005	MARLEEN E EVANS ETAL	\$953.72	\$2549.70
2/17/2006	FERGUSON & SONS INC	\$536.00	2/2/06 - 3/30/06
3/14/2006	NIENHUESER FARMS	\$617.81	1153.21
4/5/2006	ERWIN WILKE TRUST	\$601.89	
5/17/2006	WILKE, TODD	\$601.89	
6/9/2006	HALLIGAN, WILLIAM	\$666.25	
6/13/2006	B & M FARMS	\$1,884.12	
6/13/2006	SMITH, DUANE	\$708.44	
6/21/2006	BOSS, CORDELL	\$1,136.33	
7/25/2006	FILSINGER, MARVIN	\$594.50	
7/25/2006	FREEMAN, LOU	\$1,312.24	
7/27/2006	HOCKERSMITH JR, JACK	\$670.50	
10/20/2006	NEWELL, R F	\$643.77	

8/22/2006	TISDALE AGRI INV LTD	\$1,141.00
10/11/200	MORTENSEN, ARTHUR P	\$1,219.73
12/21/200	LUKASSEN, DOUG	\$618.50
1/17/2007	HUFF, KURT	\$608.77
1/17/2007	JESSEN, RAY	\$640.00
1/17/2007	JOHNSON, TOM	\$765.00
2/1/2007	GREGORY, JERRY	\$548.77
2/7/2007	J & J FARM & RANCH	<u>\$1,769.99</u>
	South Platte NRD (195 detail records)	\$100,000.00
	Total for All NRDs	\$100,000.00

16131.69

16131.69  
 + 7761.02  
 -----  
 \$23892.71