

## QUARTERLY/ANNUAL PERFORMANCE REPORT NARRATIVE

Cooperative Agreement #: CA_P13AC01266
Award Recipient: White Clay Watershed Association
Project/Program Title: Wild & Scenic River Funding
Date: October 10, 2016
Period Covered by Report: July 1, 2016- September 30, 2016
Funds expended during this reporting period: \$20,477.45
Submitted by: Shane Morgan, Management Plan Coordinator
Submitted to: National Park Service – Partnership Wild & Scenic Rivers

### Summary of work performed during the period covered by the report:

#### Administration (\$11,664.59)

Presented and distributed the WCWA action plan to the White Clay Wild and Scenic Committee and Tom Zawislak (WCWA president) for feedback. Participated in several watershed wide meetings throughout the quarter: Christina Watershed Partnership (formerly known as CTIP), Christina Basin Task Force, Chester County Planning Commission Landscapes 3 Stakeholder Meeting, Mid-Atlantic region AWRA conference, DEP MS4 Training Workshop, Stroud Water Research Center Watershed 101 Training, FERC open house on Eastern Shore Pipeline, individual meetings with various stakeholders, and several Board of Supervisors meetings). Maintained and updated program fiscal records and finalized contract agreement with NPS. Tracked down information on East Branch fish kill (DEP determined toxic event, but source not determined).

#### Education (\$0)

Created educational and program materials for the Catch the Rain program.

- Developed materials for the Catch the Rain program
  1. How to apply to Catch the Rain
  2. Rebates and Catch the Rain practice requirements
  3. Fall workshop flyer and invitation
  4. Catch the Rain program #10 envelope
  5. Google application form; and
  6. Keynote presentation for workshops
- Updated website to house the Catch the Rain program and house the resources for program applicants at [whiteclay.org/CatchtheRain](http://whiteclay.org/CatchtheRain).
- Mailed flyers to 600 watershed residents in target communities inviting them to Catch the Rain Workshops.
- Developed and hosted first Catch the Rain workshop on September 27 at New Garden Township Building (14 attendees). Second workshop will be held Oct. 12 at London Grove Township Building.
- Submitted Catch the Rain event notices/articles to both municipal newsletters (New Garden and London Grove Townships).

Mailchimp Newsletter stats: 316 recipients, 36.7% average open rate (industry average 19.78%), click rate 7.5% (industry average 2.2%)

Website stats: 470 average visits (unique user with several page views)/month, 978 unique page views/month, 379 unique visitors/month.

Met with new University of Delaware WRA intern, Briana Diacopoulos, and Martha Narvaez to review FY16 graduate student work plan.

Updated and mailed out the 2016-17 letter to all watershed schools (grades 4-12).

- Avon Grove Intermediate School has already committed to sending their 6<sup>th</sup> grade (400 students) to Stroud this October 4,5,6, & 7, and is also having Stroud do an onsite program at a small tributary that runs through their school property with their 4<sup>th</sup> grade class this November (@another 400 children) WCWA will pick up the transportation costs for the 6<sup>th</sup> graders estimated at @\$1500, EITC funding will supplement the programming costs (@ \$3600), and the school will cover remaining programming costs estimated at \$5/student (@\$2000).
- Made contact with Robert MacDowell, Newark High School AP Biology Teacher. Newark HS has committed to sending their AP Biology Class to Stroud this Spring. He would also like to involve his school in another tree planting, preferably in Newark.
- Kennett High School AP Environmental Biology class attending Stroud this Fall (24 students) They will also be using EITC funding as a match plus a \$5 fee for students. WS may or may not need to pick up bussing costs.

Discussed new interpretive signage for the Newark Reservoir with City of Newark. Meeting with Kelley Dinsmore in October to discuss details and help with design of signage. Goal is to link drinking water to the White Clay Creek.

### **Restoration (\$8,812.86)**

Completed enterococcus, E. coli, and fecal coliform sampling at 14+ sites in the PA portion of the WCC. Met with Jinjun Kan and Jenny Egan to review the data from this years sampling to date and discussed sharing our work in the JAWRA on all bacteria sampling to date. Jenny agreed to take the lead in writing the article. A second progress meeting was held in September to review progress, narrow down graphing needs for article, and to date and develop path forward (timeline). A master data sheet of all 2016 sample results was submitted to WCWA.

Completed enterococcus sampling at five sites in the Delaware portion of the White Clay Creek in partnership with Delaware Nature Society. WCWA supplied the materials and DNS supported the intern, Andrea Miller (UDWRA). Kristen Travers submitted a final report to WCWA in September. Bacteria levels are elevated, but not as high as those found in Pennsylvania. Shane and Kristen will meet with Jinjun to collaborate on continued sampling efforts in Delaware.

Met periodically with Beth Burnam to develop the Catch the Rain pilot program and develop the basis for educational materials and future workshops. Continued discussions with 'preferred' contractors, and worked with Leslie Kedash (Kedash Design) to aid in graphic design of educational (web/print) materials for the pilot program (see under Education).

Continued communication with Marion Waggoner and Dave Yake (Save our Water) regarding stream flow measurements and nitrate levels recorded for both Broad Run and Egypt Run. Invited Mr. Waggoner to attend the 3-day Stroud Watershed 101 workshop as our guest, he accepted and attended.

Provided municipal assistance for best management practices (BMPs):

- Continued work on the New Garden Park Riparian Buffer Growing Greener Project with Landstudies and New Garden Township; checked on new plantings and agreed to spend the remaining funds on buffer establishment (management of invasives, mowing strategies to help with establishment, and tree replacements with added deer protection) Landstudies will continue with site inspections and management of no mow areas until end of grant period (December 2018).
- Contracted with GreenWeaver to treat the thistle. New Garden Growers Market (cash match to grant) paid for the second treatment in late July (\$500).
- Contracted with GreenWeaver to treat the thistle in both basins and the parking island (source). London Grove Township paid for second treatment (\$250).
- Met with Don Peters on site to discuss management strategies for the Landenberg Junction Site.

Continued work with the Christina Basin TMDL Implementation Partnership:

- Met with township managers at New Garden, Franklin, and London Grove to gauge interest in a multi-municipal collaboration on the upcoming stormwater management plans for DEP.
- Attended multiple meetings with the Christina Watersheds Partnership (CWP), formerly known as the Christina TMDL Implementation Partnership, to develop path forward for the multi-municipal collaboration that includes a suburban pilot area in White Clay Creek. Talks included meetings with the Delaware Nature Conservancy (Richie, Maria, and Martha) as well continued discussions with Township managers and engineers located in the pilot.
- BRCA was awarded \$100,000 in grant funding from the William Penn Foundation. A contract was signed between WCWA and BRCA describing our funding arrangements of which \$10,000 will be applied to the White Clay suburban pilot area to support the work of the White Clay Pilot Lead (Ellen Kohler).
- Shane, Ellen, and or Bob attended multiple Board of Supervisor meetings in the White Clay Pilot area starting with London Grove on September 7 to ask for support of the CWP and MS4 pilot work. A resolution was developed and distributed prior to each meeting. Those that have agreed to sign to date are highlighted in bold: **London Grove, New Garden**, Franklin, Avondale, West Grove, and London Britain. We will continue to attend meetings into October.
- Met with Chris Strohmaier and Zack Stepan (Chester County Conservation District), and Ellen Kohler to discuss the pilot MS4 collaborative and asked them to be a part of our pilot cluster meetings to help in assessing potential areas to receive BMPs and their effectiveness.

### **Land Preservation/Reforestation**

Greg Gagliano (Red Tail Restoration LLC) began restoration work at the Franklin Preserve in early July. All dead trees and old tubes were removed, and management of invasive species began. Woody invasive species will be address in the winter. Soil tests were conducted and tree species were selected for the September 24 volunteer planting. Rob Daniels met with the Franklin Preserve park manager to discuss planting logistics and mowing of the area prior to the planting. About 40 volunteers showed up on September 24 from 9-noon to help with the planting of 900 trees. Extra time was need to complete the planting and install deer protection measures.

	Chk#	Trans#			
					(\$22,350.66)
07/07/16	WA	3402	NPS	\$22,350.66	\$0.00
			reimbursement		
07/29/16	RA/892	3407	Shane Morgan	(\$58.42)	(\$58.42)
			reimburse expenses		
08/01/16	WA/1116	3406	Shane Morgan	(\$1,802.64)	(\$1,861.06)
			Administration Services, general administration work		
08/08/16	WA/1117	3408	Chubb Insurance	(\$2,466.00)	(\$4,327.06)
			insurance		
08/09/16	WA/1287	3410	Ellen Kohler	(\$577.50)	(\$4,904.56)
			municipal collaboration		
08/31/16	RA/894	3415	Shane Morgan	(\$227.25)	(\$5,131.81)
			reimburse expenses		
09/01/16	WA/1140	3414	Shane Morgan	(\$2,333.78)	(\$7,465.59)
			Administration Services, general administration work		
09/06/16	WA/1141	3418	Ellen Kohler	(\$2,238.30)	(\$9,703.89)
			MS4 Municipal Collaboration		
09/30/16	RA/896	3429	Brandywine Red Clay Alliance	(\$10.00)	(\$9,713.89)
			Attendance at Christina Basin Bus Tour		
09/30/16	RA/897	3430	PA DEP	(\$50.00)	(\$9,763.89)
			attendance at PA FEP training workshop / pollution redu		
09/30/16	RA/898	3428	Shane Morgan	(\$185.76)	(\$9,949.65)
			reimburse expenses		
09/30/16	WA/1142	3431	Shane Morgan	(\$4,530.74)	(\$14,480.39)
			Administration Services, general administration work		
09/30/16	WA/1139	3427	Stroud Water Research Center	(\$5,997.06)	(\$20,477.45)
			2016 Bacteria Study		

# FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted  <p style="text-align: center;">National Park Service</p>	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment)  <p style="text-align: center;">P13AC01266</p>	Page  <p style="text-align: center;">1</p>	of  <p style="text-align: center;">1</p>
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3. Recipient Organization (Name and complete address including Zip code) White Clay Watershed Association PO Box 10 Landenberg, PA 19350
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4a. DUNS Number  <p style="text-align: center;">094577926</p>	4b. EIN  <p style="text-align: center;">23-7116453</p>	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment)	6. Report Type <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting  <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Project/Grant Period From: (Month, Day, Year) <p style="text-align: center;">9/10/2013</p>	To: (Month, Day, Year) <p style="text-align: center;">9/30/2018</p>	9. Reporting Period End Date (Month, Day, Year) <p style="text-align: center;">9/30/2016</p>
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10. Transactions	Cumulative
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*(Use lines a-c for single or multiple grant reporting)*

<b>Federal Cash (To report multiple grants, also use FFR Attachment):</b>	
a. Cash Receipts	\$154,637.10
b. Cash Disbursements	\$175,114.55
c. Cash on Hand (line a minus b)	(\$20,477.45)

*(Use lines d-o for single grant reporting)*

<b>Federal Expenditures and Unobligated Balance:</b>	
d. Total Federal funds authorized	\$294,600.00
e. Federal share of expenditures	\$154,637.10
f. Federal share of unliquidated obligations	\$20,477.45
g. Total Federal share (sum of lines e and f)	\$175,114.55
h. Unobligated balance of Federal funds (line d minus g)	\$119,485.45

<b>Recipient Share:</b>	
i. Total recipient share required	\$0.00
j. Recipient share of expenditures	
k. Remaining recipient share to be provided (line i minus j)	

<b>Program Income:</b>	
l. Total Federal program income earned	\$0.00
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

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

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 that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

a. Typed or Printed Name and Title of Authorized Certifying Official  <p style="text-align: center;">David R. Hawk, Treasurer</p>	c. Telephone (Area code, number and extension) 309-314-0642 (email recommended)
b. Signature of Authorized Certifying Official  <p style="text-align: center;"><i>David R Hawk</i></p>	d. Email address dhawk@ccil.org
	e. Date Report Submitted (Month, Day, Year) 9/30/2016

14. Agency use only:

Standard Form 425  
 OMB Approval Number: 0348-0061  
 Expiration Date: 10/31/2011

**Paperwork Burden Statement**  
 According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours 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 (0348-0060), Washington, DC 20503.