

# All Agency Project Request

2011 - 2013 Biennium

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<b><u>Agency</u></b>	<b><u>Institution</u></b>	<b><u>Building No.</u></b>	<b><u>Building Name</u></b>
University of Wisconsin	Madison	285-0A-9910	Utility - Site Exterior Development

<b><u>Project No.</u></b>	13E1E	<b><u>Project Title</u></b>	ARS Blaine Manure Sys Renv
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## **Project Intent**

This project provides investigation and research, pre-design, and design services to repair, renovate, and/or replace the manure handling system and associated components and equipment. The manure handling system will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

## **Project Description**

Project work includes evaluation of the manure handling system capacity, integrity and sizing of the force main and lift station, cold weather protection system, spill prevention measure compliance, and review pertinent regulatory permitting implications and compliance. The consultant will thoroughly investigate these issues and identify other associated deficiencies, develop and recommend design solution alternatives for repair, renovation, and/or replacement as appropriate, including associated budget estimates.

## **Project Justification**

There have been a number of leaks in the manure handling system force main since 2009. The most recent leak (February 5, 2013) released 300,000 gallons of liquid manure that flowed overland onto the neighboring farm to the south. There is concern the main flush line could freeze due to inadequate cold weather protection and concern the system capacity is undersized. The professional services included in this project are required to determine what corrective actions should be implemented to avoid further incidents.

## **A/E Consultant Requirements**

Consultants should have specific expertise and experience in the design and coordination of manure handling equipment, agricultural processes, primary treatment of manure and permitting for manure systems. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

A/E Selection Required?

## **Commissioning**

- Level 1  
 Level 2

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<u>Project Budget</u>	<u>Funding Source</u>	<u>Total</u>
Construction Cost: <span style="float: right;">\$0</span>	GFSB - <input type="checkbox"/>	\$0
Haz Mats: <span style="float: right;">\$0</span>	PRSB - <input type="checkbox"/>	\$0
Construction Total: <span style="float: right;">\$0</span>	Agency/Institution Cash <input type="checkbox"/>	\$0
Contingency: 15% <span style="float: right;">\$0</span>	Gifts	\$50,000
A/E Design Fees: 8% <span style="float: right;">\$0</span>	Grants	\$0
DFD Mgmt Fees: 4% <span style="float: right;">\$0</span>	Building Trust Funds [BTF]	\$0
Equipment/Other: <span style="float: right;">\$50,000</span>	Other Funding Source	\$0
<b>\$50,000</b>		<b>\$50,000</b>

**Project Schedule**

SBC Approval: 01/2014  
 A/E Selection: 07/2013  
 Bid Opening: 04/2014  
 Construction Start: 05/2014  
 Substantial Completion: 09/2014  
 Project Close Out: 12/2014

**Project Contact**

Contact Name: Matthew M. Collins  
 Email: <mcollins@fpm.wisc.edu>  
 Telephone No.: (608) 263-3031 x

**Project Scope Consideration Checklist**

- |  | <u>Y</u>                            | <u>N</u>                            |
|--|-------------------------------------|-------------------------------------|
| 1. Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction.<br><br><i>All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.</i>                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. Is the project an extension of another authorized project? If so, provide the project #...  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled?<br><br><i>Hazardous materials abatement is not anticipated on this project. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos &amp; Lead Management System (WALMS) &lt;http://walms.doa.state.wi.us/&gt;.</i> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 6. Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope.  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

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7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III?    
Type II.
8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here.
9. Are there any other issues affecting the cost or status of this project?
10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution.    
Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.
11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent?    
Completion of this project will decrease operational maintenance costs.
12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s).    
This project will define appropriate safety and spill prevention measures.
13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <<http://www.focusonenergy.com>> or the local utility provider)? If yes, describe here.
14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here.