

**FLORIDA DEPARTMENT OF HEALTH
ONSITE NITROGEN REDUCTION STRATEGIES STUDY**

**PROGRESS REPORT NO. 1
(FEBRUARY, 2009)**

Task	Task Status	Activity this Period	Technical, Schedule, or Budget Problems Encountered	Recommended Methods to Resolve Problems
Task A – Technology Evaluation for Field Testing: Review, Prioritization, and Development				
Task A.1, Draft Literature Review Report	Underway	Literature collection and review	None	N/A
Task A.2, Final Literature Review Report	Not started	No activity	N/A	N/A
Task A.3, Draft Classification of Technologies Report	Underway	Started development of technology classifications	None	N/A
Task A.4, Draft Technology Ranking Criteria Report	Underway	Started development of ranking criteria	None	N/A
Task A.5, Draft Priority List for Testing Report	Not started	No activity	N/A	N/A
Task A.6, Technology Classification, Ranking and Prioritization Workshop	Underway	Began discussion of potential workshop dates	None	N/A
Task A.7, Final Classification of Technologies Report	Not started	No activity	N/A	N/A
Task A.8, Final Technology Ranking Criteria Report	Not started	No activity	N/A	N/A

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Task A.9, Final Priority List for Testing Report	Not started	No activity	N/A	N/A
Task A.10, Draft Innovative Systems Applications Reports	Not started	No activity	N/A	N/A
Task A.12, Identification of Test Facility Sites:	Underway	<p><i>USF Lysimeter Station</i> – A preliminary site visit was conducted, and a general assessment of lysimeter station rehabilitation needs determined. Subsequently, another site visit was conducted with a septic system contractor, and a well installation contractor, for the purpose of developing a preliminary estimate of cost to rehabilitate the facility for operation. Hazen and Sawyer is developing rough cost estimates for station rehabilitation.</p> <p><i>UF Gulf Coast Research and Education Center</i> – We have a preliminary agreement to participate, and are awaiting a soil and preliminary GW assessment prior to finalizing arrangements with the GCREC. We have a soils evaluation scheduled with NRCS for March 26, 2009.</p>	Lysimeter station rehabilitation costs alone are likely to be in excess of \$60,000, which exceed the total construction budget for the Task A test facility. .	We are recommending consolidating our activities to one test facility. If preliminary assessment of the GCREC meets our needs, it will be recommended to conduct all test facility activities at this site
Task A.13, Draft QAPP PNRS II	Underway	Preliminary work underway, draft not yet complete	Behind schedule on draft QAPP, anticipate March 27 completion	Will attempt to shorten timeframe on final QAPP so that Final deadline is met.

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Task A.14, Recommendation for Process Forward Meeting	Not started	During the Kick-off Meeting, the decision was made that an e-mail summarizing the objectives and process forward for the PNRS II QAPP be provided and reviewed rather than a formal meeting.	N/A	N/A
Task A.15, Final QAPP PNRS II	Not started	No activity	N/A	N/A
Task A.16, PNRS Specification Reports	Not started	No activity	N/A	N/A
Task A.17, Test Facility Design 50%	Not started	No activity	N/A	N/A
Task A.18, Test Facility Design 100%	Not started	No activity	N/A	N/A
Task A.19, Test Facility Design Final	Not started	No activity	N/A	N/A
Task A.20, Test Facility Accept Bid	Not started	No activity	N/A	N/A
Task B – Field Testing of Technologies and Cost Documentation				
Task B.1, Identification of Home Sites	Underway	Discussions begun with homeowners groups	None	N/A
Task B.2, Vendor Agreement Reports	Not started	No activity	N/A	N/A
Task B.3, Draft QAPP for Field Testing	Underway	Began discussions of field testing	None	N/A
Task B.4, Recommendation for Process Forward Meeting	Not started	The meeting will be scheduled following the draft QAPP submittal.	None	N/A
Task B.5, Final QAPP Field Testing	Not started	No activity	N/A	N/A

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Task B.11, LCCA Template Report	Not started	No activity	N/A	N/A
Task C – Evaluation of Nitrogen Reduction Provided by Soils and Shallow Groundwater				
Task C.1, Draft Literature Review on Nitrogen Reduction in Soils & Shallow GW Report	Underway	Literature collection and review	None	N/A
Task C.2, Final Literature Review on Nitrogen Reduction in Soils & Shallow GW Report	Not started	No activity	N/A	N/A
Task C.3, Draft QAPP Evaluation of Nitrogen Reduction Provided by Soils & Shallow GW	Underway	Began discussions of Task C work plan	Behind schedule, requesting 1 month extension to deadline	Will attempt to keep Final QAPP deadline by shortening Final QAPP prep.
Task C.4, Recommendation for Process Forward Meeting	Not started	The meeting will be scheduled following the draft QAPP submittal.	N/A	N/A
Task C.5, Final QAPP Evaluation of Nitrogen Reduction Provided by Soils & Shallow GW	Not Started	No activity	N/A	N/A
Task C.6, Home Site Selection	Underway	Began discussions with homeowners groups	None	N/A
Task C.7, Instrumentation of Home Sites Report	Not started	No activity	N/A	N/A
Task C.11, Test Facility Design 50%	Not started	No activity	N/A	N/A

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Task C.12, Test Facility Design 100%	Not started	No activity	N/A	N/A
Task D – Nitrogen Fate and Transport Modeling				
Task D.1, Draft Literature Review on Nitrogen Fate & Transport Model Report	Underway	Literature collection and review	Behind schedule, requesting 1 month extension to schedule	Will attempt to keep final lit. review deadline by shortening final lit. review prep.
Task D.2, Final Literature Review on Nitrogen Fate & Transport Model Report	Not started	No activity	N/A	N/A
Task D.3, Selection of Existing Data Set for Calibration Report	Underway	Data collection and review	None	N/A
Task D.4, Draft QAPP N Fate and Transport Modeling	Underway	Began modeling work plan	None	N/A
Task D.5, Recommendation for Process Forward	Not started	The meeting will be scheduled following the draft QAPP submittal.	N/A	N/A
Task D.6, Final QAPP N Fate and Transport Modeling	Not started	No activity	N/A	N/A
Task D.7, Simple Soil Model Development	Not started	No activity	N/A	N/A
Task D.8, Non-Steady State Aquifer Model, Simple Soil Model	Not started	No activity	N/A	N/A

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Task D.9, Aquifer Model with Averaged Output, Simple Soil Model	Not started	No activity	N/A	N/A
Task E – Project Management, Coordination and Meetings				
Task E.1, Project Kick-off Meeting	Task Complete	The project kick-off meeting was held February 27, 2009. Meeting minutes were published March 19, 2009.	None	N/A
Task E.2, PM-Project Progress Report	Progress Report 1 - Complete	The February 2009 progress report (this report) was completed March 19, 2009.	None	N/A
Task E.3, RRAC Meeting	Not started	There will be a project status report provided at a RRAC meeting following the May workshop, to be scheduled in June or July.	N/A	N/A
Task E.4, PAC Meeting	Not started	It was decided during the Kick-off meeting that the PAC meeting will be scheduled after draft QAPP and Recommendation for Process Forward tasks are complete.	N/A	N/A