

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

**PROGRESS REPORT NO. 7
(JANUARY, 2010)**

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	Task Complete	Draft literature review report completed on May 19, 2009.	None	N/A
Task A.2, Final Literature Review Report	Task Complete	Final literature review report completed on June 30, 2009. Revised Final report submitted on September 4, 2009.	None	N/A
Task A.3, Draft Classification of Technologies Report	Task Complete	Draft Classification, Ranking and Prioritization report completed on May 19, 2009.	None	N/A
Task A.4, Draft Technology Ranking Criteria Report	Task Complete	Draft Classification, Ranking and Prioritization report completed on May 19, 2009.	None	N/A
Task A.5, Draft Priority List for Testing Report	Task Complete	Draft Prioritization report completed on June 30, 2009.	None	N/A
Task A.6, Technology Classification, Ranking and Prioritization Workshop	Task Complete	Workshop presentation materials were developed. Workshop was conducted on May 28, 2009.	None	N/A
Task A.7, Final Classification of Technologies Report	Task Complete	Final Classification, Ranking and Prioritization report completed on September 24, 2009	None	N/A
Task A.8, Final Technology Ranking Criteria Report	Task Complete	Final Classification, Ranking and Prioritization report completed on September 24, 2009	None	N/A

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Task A.9, Final Priority List for Testing Report	Task Complete	Final Classification, Ranking and Prioritization report completed on September 24, 2009	None	N/A
Task A.10, Draft Innovative Systems Applications Reports	On hold	No activity	N/A	N/A
Task A.12, Identification of Test Facility Sites	Task Complete	<p><i>USF Lysimeter Station</i> – A general assessment of lysimeter station rehabilitation needs has been determined and is summarized in a memorandum completed on June 18, 2009.</p> <p><i>UF Gulf Coast Research and Education Center</i> – We have a preliminary agreement from GCREC to participate. A summary of the site conditions and recommendations was sent to Elke and distributed May 19, 2009. On May 28, 2009 the RRAC voted to use the GCREC facility site as the only test facility site. Draft agreement submitted to GCREC on June 8, 2009, and returned to FDOH July 31, 2009 with revisions. Comments from review by FDOH received November 11, 2009. Draft letter of authorization for GCREC sent February 2, 2010 to FDOH.</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. We recommended to conduct all test facility activities at this site
Task A.13, Draft QAPP PNRS II	Task Complete	Draft QAPP for PNRS II report completed on June 18, 2009.	None	N/A
Task A.14, Recommendation for Process Forward Meeting	Underway	Recommendation for Process Forward meeting held on October 13, 2009. Task will be considered complete upon completion of contract amendment.	N/A	N/A

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Task A.15, Final QAPP PNRS II	Task Complete	Final QAPP for PNRS II report completed on November 24, 2009.	None	N/A
Task A.16 Materials Testing for FDOH Additives Rule	Not started	No activity	N/A	N/A
Task A.17, PNRS Specification Reports	Underway	Specification report I has been started.	N/A	N/A
Task A.18, Test Facility Design 50%	Task Complete	50% revised Design Drawings completed on September 4, 2009	None	N/A
Task A.19, Test Facility Design 100%	Task Complete	100% Design Drawings completed on December 31, 2009	None	N/A
Task A.20 PNRS II Test Facility Construction Support & Administration	Not started	No activity	N/A	N/A
Task A.21 PNRS II Test Facility Construction 50%	Not started	No activity	N/A	N/A
Task A.22 PNRS II Test Facility Construction 100%	Not started	No activity	N/A	N/A
Task A.23 PNRS II Test Facility Construction Substantial Completion	Not started	No activity	N/A	N/A
Task A.24 PNRS II Test Facility Accept Construction	Not started	No activity	N/A	N/A
Task A.25 Monitoring & Sample Event Reports	Not started	No activity	N/A	N/A

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Task A.26 Data Summary Reports	Not started	No activity	N/A	N/A
Task B – Field Testing of Technologies and Cost Documentation				
Task B.1, Identification of Home Sites	On hold	Several home sites in Manasota Key have been visited to perform preliminary evaluation of sites with homeowners interested in the project.	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	On hold	No activity	None	N/A
Task B.4, Recommendation for Process Forward Meeting	Not started	No activity	None	N/A
Task B.5, Final QAPP Field Testing	Not started	No activity	N/A	N/A
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	Task Complete	Draft Literature Review on nitrogen reduction in soils and shallow groundwater report was completed on June 30, 2009.	None	N/A

Task	Task Status	Activity this Period	Technical, Schedule, or Budget Problems Encountered	Recommended Methods to Resolve Problems
Task C.2, Final Literature Review on Nitrogen Reduction in Soils & Shallow GW Report	Underway	Final Literature Review on nitrogen reduction in soils and shallow groundwater report was completed on November 24, 2009.	None	N/A
Task C.3, Draft QAPP Evaluation of Nitrogen Reduction Provided by Soils & Shallow GW	Underway	Draft QAPP on nitrogen reduction in soils and shallow groundwater report was completed on October 30, 2009.	None	N/A
Task C.4, Recommendation for Process Forward Meeting	Not started	Conference call meeting was held on November 23, 2009. Meeting minutes submitted on November 25, 2009 served as half of the deliverable. Task will be complete upon completion of contract amendment.	N/A	N/A
Task C.5, Final QAPP Evaluation of Nitrogen Reduction Provided by Soils & Shallow GW	Not Started	Final QAPP on nitrogen reduction in soils and shallow groundwater report was submitted on December 4, 2009. Determined to be 80% complete on December 23, 2009. Additions are currently underway.	N/A	N/A
Task C.6, S&GW Test Facility Design 50%	Task Complete	Test Facility Design 50% drawings were completed on June 30, 2009.	None	N/A
Task C.7, S&GW Test Facility Design 100%	Task Complete	100% Design Drawings submitted on December 31, 2009	None	N/A
Task C.8, S&GW Test Facility Design Final	Underway	Revisions are underway per comments received.	None	N/A
Task C.9, S&GW Test Facility Construction Support & Administration	Not started	No activity	N/A	N/A

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Task C.10, S&GW Test Facility Construction 50%	Not started	No activity	N/A	N/A
Task C.11, S&GW Test Facility Construction 100%	Not started	No activity	N/A	N/A
Task C.12, S&GW Test Facility Construction Substantial Completion	Not started	No activity	N/A	N/A
Task C.13, S&GW Test Facility Accept Construction	Not started	No activity	N/A	N/A
Task C.14, Soils & Hydrogeologic & Monitoring Plan for S&GW Test Facility	Not started	No activity	N/A	N/A
Task C.15, Tracer Testing at GCREC	Not started	No activity	N/A	N/A
C.20 Instrumentation of GCREC Mound System	Underway	Planning and scheduling of fieldwork has started.	N/A	N/A
Task D – Nitrogen Fate and Transport Modeling				
Task D.1, Draft Literature Review on Nitrogen Fate & Transport Model Report	Task Complete	Draft Literature Review on nitrogen fate and transport model report was completed on June 30, 2009.	None	N/A

Task	Task Status	Activity this Period	Technical, Schedule, or Budget Problems Encountered	Recommended Methods to Resolve Problems
Task D.2, Final Literature Review on Nitrogen Fate & Transport Model Report	Underway	Final Literature Review on nitrogen fate and transport model report was completed on December 4, 2009. Determined to be 80% complete on December 23, 2009. Revisions are currently underway.	None	N/A
Task D.3, Selection of Existing Data Set for Calibration Report	Task Complete	Selection of Existing Data Set for Calibration report was completed on June 30, 2009.	None	N/A
Task D.4, Draft QAPP N Fate and Transport Modeling	Underway	Continued work on modeling work plan	None	N/A
Task D.5, Recommendation for Process Forward	Not started	No activity	N/A	N/A
Task D.6, Final QAPP N Fate and Transport Modeling	Not started	No activity	N/A	N/A
Task E – Project Management, Coordination and Meetings				
Task E.1, Project Kick-off Meeting	Task Complete	No activity	None	N/A
Task E.2, PM-Project Progress Report	Progress Report 1, 2, 3, 4, 5, 6 - Complete	The January 2010 progress report (this report) was completed February 2, 2010.	None	N/A
Task E.3, RRAC Meeting	Task Complete	Meeting was conducted on July 1, 2009 .	None	N/A
Task E.4, PAC Meeting	Not started	No activity	N/A	N/A