

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

**PROGRESS REPORT NO. 21
(June 2013 through June 2014)**

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.28 Final PNRS II Report	Complete	Received comments from FDOH and RRAC and incorporated into the draft report. Final report submitted June 25, 2014.	None	N/A
A.31 Change-order Allowance [Biotool Tasks 2 and 3]	Complete	Biotool submitted June 6, 2014	None	N/A
Task B – Field Testing of Technologies and Cost Documentation				
Task B.6 Field Systems Installation Report (per system)	Complete	Final permit approval for B-HS6, and B-HS7 issued. B-HS6 and B-HS7 installation report submitted January 22, 2014.	None	N/A
Task B.7 Field Systems Monitoring Report (per event)	Underway	B-HS2 monitoring complete. B-HS2 SE1-8 completed. <ul style="list-style-type: none"> • SE5 August 7, 2013 • SE6 October 7, 2013 • SE7 December 5, 2013 • SE8 March 10, 2014 B-HS3 SE1-5 completed. <ul style="list-style-type: none"> • SE1 September 30, 2013 • SE2 December 4, 2013 • SE3 February 3, 2014 	None	N/A

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		<p>B-HS3 SE1-5 completed.</p> <ul style="list-style-type: none"> SE4 April 3, 2014 SE5 May 29, 2014 <p>B-HS4 SE1-5 completed.</p> <ul style="list-style-type: none"> SE1 September 30, 2013 SE2 December 2, 2013 SE3 February 3, 2014 SE4 April 3, 2014 SE5 May 29, 2014 <p>B-HS5 SE1-5 completed.</p> <ul style="list-style-type: none"> SE1 September 27, 2013 SE2 December 4, 2013 SE3 February 3, 2014 SE4 April 11, 2014 SE5 May 28, 2014 <p>B-HS6 SE1-4 completed.</p> <ul style="list-style-type: none"> SE1 January 22, 2014 SE2 April 10, 2014 SE3 May 7, 2014 SE4 June 23, 2014 <p>B-HS7 SE1-4 completed.</p> <ul style="list-style-type: none"> SE1 January 20, 2014 SE2 March 20, 2014 SE3 May 8, 2014 SE4 June 19, 2014 		

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Task B.8 Field Systems Operation, Maintenance and Repairs Report (per system)	Underway	B-HS1 report was submitted December 3, 2013. B-HS2 report was submitted June 25, 2014	None	N/A
Task B.10 Acceptance of System by Owner Report (per system)	Underway	The B-HS1 monitoring is complete. The homeowner has agreed to extend the homeowner agreement to a second experimental system. Memorandum for B-HS1 completed on September 27, 2013.	None	N/A
Task B.11 LCCA Template Report (draft template and user guidelines)	Complete	The LCCA template report was submitted July 25, 2014.	None	N/A
Task B.16 Change-order Allowance [Product composition testing]	Underway	Product composition testing was conducted for: B-HS2 on June 9, 2014 B-HS3 on May 29, 2014 B-HS4 on May 29, 2014 B-HS5 on May 29, 2014 B-HS6 on June 23, 2014 B-HS7 on June 19, 2014 Reports submitted July 25, 2014.	None	N/A
Task C – Evaluation of Nitrogen Reduction Provided by Soils and Shallow Groundwater				
Task C.15 Tracer Testing at GCREC (per tracer test)	Complete	Tracer Test No. 3 summary report submitted July 10, 2014.	None	N/A

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Task C.17 S&GW Data Summary Report	Underway	S&GW Test Facility data summary report no. 6 completed September 19, 2013.	None	N/A
Task C.24 Field Sites Sample Event Reports (SER)	Underway	<u>C-HS4:</u> <ul style="list-style-type: none"> Sample Event No. 3 conducted July 24th and 25th. Report completed September 19, 2013. Sample Event No. 4 conducted October 23rd and 25th. Report completed January 22, 2014. 	None	N/A
Task C.25 Field Sites Data Summary Report (DSR)	Underway	<u>C-HS4:</u> <ul style="list-style-type: none"> Data Summary Report No. 3 completed December 3, 2013. Data Summary Report No. 4 completed January 22, 2014. 	None	N/A
Task D – Nitrogen Fate and Transport Modeling				
Task D.7 Simple Soil Tools	Complete	Revised final report submitted June 25, 2014.	None	N/A
Task D.8 Complex Soil Model	Complete	Complex Soil Model Development 100% revised report submitted September 19, 2013.	None	N/A

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Task D.9 Complex Soil Model Performance Evaluation	Complete	Final report submitted July 10, 2014.	None	N/A
Task D.10 Validate/Refine Complex Soil Model	Complete	Final report submitted July 25, 2014.	None	N/A
Task D.11 Aquifer Model Combined with Complex Soil Model Development	Complete	Final report submitted July 25, 2014.	None	N/A
Task D.12 Aquifer-Complex Soil Model Performance Evaluation	Underway	Comparison/evaluation of different models for estimating water table fluctuations complete.	None	N/A
Task E – Project Management, Coordination and Meetings				
Task E.2, PM-Project Progress Report	Underway	The June 2014 progress report (this report) was completed July 25, 2014.	None	N/A

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Task E.3 RRAC or TRAP Presentation (per meeting)	Underway	A presentation regarding the PNRS II draft final report was prepared and given during the RRAC meeting conducted on September 11, 2013. A presentation regarding the project budget and schedule was prepared and given during the RRAC meeting conducted October 22, 2013.	We have requested an extension to the project schedule.	N/A
Task E.4 RRAC or TRAP Meeting Attendance (per meeting)	Underway	The RRAC meeting conducted on August 29, 2013 was attended.	None	N/A