


Thurston County Public Health and Social Services
 Environmental Health Division
On-Site Marine Recovery Area
 Quarterly Report - Ending 6/30/08



Task #	Task/Activity Description	Deliverables/Outcomes	
1	Project Administration/Management	<p>Staff Costs (Salaries & Benefits) OnSite Marine Recovery Area (Project 40645): A-19 Invoices for this project will be sent by our Financial Manager, Val Casterline. All funds budgeted through 6/30/08 (\$18,500 DOH 6 - Proviso & \$10,500 DOH 7 PSAP Alea) have been expended.</p>	
2.1	Henderson Inlet On-Site Systems (OSS) Program Implementation	<p>Funds allowed additional staffing for this project - See attached Word Document</p>	 2.1 Henderson OSS
2.2	Operational Certificate Notices	<p>For this quarter: 508 initial operational certificate renewal notices were sent to OSS owners within the Henderson Watershed Protection Area. The renewal notices describe the OSS maintenance and reporting requirements. 399 operational certificates were completed and issued. Second notices were sent for 271 systems 6 non-conforming letters (third and final notice) were sent.</p>	
2.3	Review of Renewal Materials	<p>Operational Certificate inspection reports were reviewed and evaluated for 361 OSS. The AMANDA electronic permit system was modified so that the data can be queried for this item. A report that characterizes query results will be written during this contract period. Three repair permit applications were received as a result of HWWA inspections.</p>	

2.4	Quality Assurance Inspections	<p>Quality assurance (QA/QC) inspections were done this quarter focused on OSS where submitted inspection reports indicated OSS deficiencies or where the inspection information was incomplete or inconsistent. Criteria for selection of OSS for QA/QC inspections was drafted, and is being reviewed for approval and adoption.</p> <p>36 QA/QC site visits were made and discrepancies with the inspection reports were found at six sites. AMANDA reports will be written during this contact period to electronically track the number of QA/QC inspections.</p> <p>2 OSS along the marine shoreline were dye tested this quarter. The results for this wet season's dye testing were sent to the owners during this quarter.</p>
2.5	Technical Assistance	<p>OSS inspection and reporting requirements are mailed to each OSS owner along with an educational pamphlet. Nine homeowner OSS training workshops were held this quarter so that 110 homeowners were trained and certified to inspect their own systems. There were 5 technical assistance field visits made.</p>
2.6	Enforcement	<p>Staff routinely follow up with owners and professionals regarding correction of system deficiencies through phone calls, in person, and in writing. AMANDA reports will be written during this contract period to enable us to count the notices of violation for both OSS deficiencies and for OPC non-compliance. There were no systems flagged as non-conforming this quarter. There were 13 OSS found failing within the Henderson Watershed Protection Area as a result of inspections. Two notices of violation were sent this quarter of those systems that were dye tested and found to be failing. Repair applications were received for 3. The other failures have been flagged as "Need Action", and will receive notices of violation if the owner does not voluntarily take corrective action within six months.</p> <p>There were 12 tank placement permit applications received during the quarter to replace leaking, unrepairable septic tanks. There were 62 minor unpermitted repairs made as a result of deficiencies found during inspections. The types of problems found include leaking septic tanks, corroded or missing tank baffles, broken pipes, faulty floats and alarms, malfunctioning pumps, electrical problems, and corroded/damaged distribution boxes.</p>
3	Enhance OSS Operation & Maintenance Electronic Data Management System	<p>No updates for this time period.</p>

Thurston County Public Health and Social Services
 Environmental Health Division
On-Site Management Plan
 Quarterly Report - Ending 6/30/08



Task #	Task/Activity Description	Deliverables/Outcomes
1	Project Administration/Management	<p>Staff Costs (Salaries & Benefits) OnSite Management Plan (Project 40545): A-19 Invoices for this project will be sent by our Financial Manager, Val Casterline. All funds budgeted through 6/30/08 (\$19,200 DOH 6 - Proviso & \$11,200 DOH 7 PSAP Alea) have been expended.</p>
2.1	Database Enhancements	<p>See attached Word document, which outlines progress for this task. The contract with eOnsite is in the process of being reviewed by our legal counsel.</p>
2.2	Education and Training	<p>Our office provides assistance via our helpline and internet site. We had 18 phone calls and 2 site visits this quarter. We had 16 inquiries via internet email requests. We conducted 3 Septic Sense Workshops and 112 people attended these workshops.</p>
2.3	Funding Strategy	<p>Elements of a funding strategy will be developed and discussed with the Board of Health during the second half of 2008. Some elements may be considered as part of the 2009 budget process.</p>
2.4	Performance Measurement	<p>Draft performance measures from the on-site management plan and sample performance measures from other organizations were reviewed. Further development of performance measures will take place during second half of 2008.</p>
2.5	Regulation Amendments	<p>Legal counsel is reviewing the final draft of Article IV, the sanitary code which regulates septic systems. Public Meetings/Open House will be scheduled beginning in September 2008 for the public and industry professionals.</p>
2.6	Sensitive Area Workgroup	<p>Reviewed management plan and in process of determining core group representatives and how we will solicit involvement in workgroup.</p>

Thurston County On-site Management Plan Implementation

Task 2.1 Database Enhancements

Thurston County will be contracting with eOnsite, an environmental data tracking, storage, and reporting software firm. Presently, the contract is being reviewed by the county's legal counsel.

During the quarter, Thurston County Environmental Health, Thurston County Development Services, and eOnsite have been working together. The goal has been to enable the electronic transfer of information and report data between the county's permitting database (AMANDA) and the eOnsite software. This quarter a test set of inspection and pumper reports was entered into the system and data retrieved. After the test period, a monitoring and pumping firm began using eOnsite to enter actual inspection and pump reports for OSS's in Thurston County.

Hyperlinks to current eOnsite pumper reports are enabled and can be viewed for individual sewage systems in the permit tracking system.

Meet with industry professionals

Staff met on June 19th with the County's Certified Monitoring Specialists. A representative of eOnsite attended the meeting and provided training to the specialists on the eOnsite system. Several of the monitoring specialists indicated they plan to begin using the eOnsite system. The other topic on the meeting agenda was to review and discuss a draft policy on effluent sampling requirements as a condition of operational certificates.

Develop and maintain an inventory

The county's permit tracking system has enabled us to build a more accurate inventory. Through the county's Henderson Watershed Protection Area program and its 6400 systems requiring operational certificates, this inventory is expanding. With the addition of electronic data submittal, the inventory will continue to grow.

Maintain records for OSS operation and maintenance activities

The county's tracking system maintains records of all septic systems within the county that have a required operational certificate. This tracking system has been in operation since April 2004. The tracking system enables us to send renewal notices, track maintenance, issue operational certificates, and follow through with compliance.

Enforce OSS monitoring and maintenance

The county has approximately 111 aerobic treatments units that require quarterly monitoring. Our database system allows us to closely track sampling results, maintenance issues, and compliance. The system enables us to follow through with appropriate enforcement. A policy on effluent sampling requirements as a condition of operational certificates was drafted this quarter and will be finished and adopted by the end of next quarter.

Thurston County On-site Marine Recovery Area Project

Task 2 Henderson Inlet On-Site Systems Program Implementation:

Task 2.1 Additional Staffing

In January, staff was added to the Henderson Program to increase the capacity of the section to fully implement the new Henderson O&M program. An environmental health specialist, at 0.6 FTE, and an additional half time program assistant were transferred into the section.

Task 2.2 Operational Certificate Notices

This quarter 508 initial operational certificate notices were sent to OSS owners within the Henderson Watershed Protection Area. The notice informs the owner of the inspection requirements and due date to complete the work and submit the information. This quarter 399 operational certificates were completed and issued.

This quarter 271 second notices were sent. There were 6 non-conforming letters (third and final notice) sent this quarter.

Task 2.3 Review Operational Certificate Inspections

Inspection reports were reviewed and evaluated for 361 OSS. The AMANDA system was modified so that the data can be queried for this item. A report will be written during this contract period.

Three repair permit applications were received as a result of HWPAs inspections.

Task 2.4 Quality Assurance Inspections

The types of OSS where quality assurance inspections were done this quarter are ones where the inspection report submitted indicated deficiencies with the system or the inspection information was incomplete or inconsistent. Criteria for selection of OSS for QA/QC inspections was drafted, and is being reviewed for approval and adoption.

During this quarter 36 QA/QC site visits were made, and there were discrepancies with the inspection reports found at six sites. AMANDA reports will be written during this contract period to electronically track the number of QA/QC inspections.

During this quarter, 2 OSS along the marine shoreline were dye tested. The results for this wet season's dye testing were sent to the owners during this quarter.

Task 2.5 Technical Assistance Meetings

Mailed with each OPC issued is the O&M conditions/requirements for the systems and an OSS educational pamphlet. During the quarter 9 homeowner OSS training workshops were held. Through those workshops, 110 homeowners were trained and certified to inspect their own systems second quarter. There were 5 technical assistance field visits made.

Task 2.6 Enforcement Activities

Staff is routinely following up with owners and professionals regarding correction of system deficiencies through phone calls, in person, and in writing. AMANDA reports will be written during this contract period to enable us to count the notices of violation for both OSS deficiencies and for OPC non-compliance. There were no systems flagged as non-conforming during this quarter. There were 13 OSS

found failing within the Henderson Watershed Protection Area as a result of inspections. Two notices of violation were sent this quarter of those systems that were dye tested and found to be failing. Repair permit applications were received for 3. The other failures have been flagged as “Need Action”, and will receive notices of violation if the owner does not voluntarily take corrective action within six months.

There were 12 tank placement permit applications received during the quarter to replace leaking, unrepairable septic tanks. There were 62 minor unpermitted repairs made as a result of deficiencies found during inspections. The types of problems found include leaking septic tanks, corroded or missing tank baffles, broken pipes, faulty floats and alarms, malfunctioning pumps, electrical problems, and corroded/damaged distribution boxes.