

## **NTRD Program Disclaimers**

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10/29/05

**Texas Commission on Environmental Quality  
New Technology Research & Development (NTRD) Program  
Monthly Project Status Report**

Contract Number: 582-5-70807-0019

Grantee: Sonoma Technology, Inc.

Date Submitted: July 21, 2005

Report for the **Monthly** period:

Starting Date May 29, 2005

Ending Date June 25, 2005

**Section I. Accomplishments** *(Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.)*

During the above period STI completed the following:

- Conducted bi-weekly project meetings with STI staff.
- Continued preparation and testing of the radar wind profiler (RWP), RASS, and surface instruments at our office in Petaluma, CA. This has included replacing internal components and repairing the final amplifier to increase the probability of long-term reliable offshore operation.
- Continued working with Shell on logistics for placing the instruments on the platform including safety requirements, preparation for instrument explosion proofing, siting, power, transportation, and communications. We are currently working on finding a subcontractor that is acceptable to and certified by Shell to assist us with this effort.
- Continued to test communications hardware and software with the RWP.

**Indicate which part of the Grant Activities, as defined in the grant agreement, the above accomplishments are related to:**

Preparation of RWP, RASS, Sodar, and surface meteorological instruments.

Section II: Problems/Solutions

<p><b>Problem(s) Identified</b></p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<p><i>We are still working on meeting Shell's Class 1 Division 2 requirements. As discussed in the prior report, Class 1 Division 2 requires that the instrumentation meet strict explosion proofing requirements. These requirements are beyond what we have experienced in prior platform deployments because Shell Class 1 Division 2 requirements are more strict than the Federal requirements. The necessary modifications to the equipment will delay deployment to mid-August and will result in additional costs. As of now, we may have enough funds in the grant to cover these additional costs because we are assuming that TCEQ will cover decommission costs under a separate contract.</i></p> <p><i>As originally proposed and budgeted, TCEQ is supposed to procure a platform that is suitable for the radar wind profiler, Sodar, and surface meteorological instruments. In addition, TCEQ is supposed to provide a shelter to house the instrument computers, assist in setting up communications to transfer data, and power to run the equipment. However, TCEQ requested that we procure a platform and provide power, communications and a shelter. TCEQ provided STI with a contract to cover the cost of procuring a platform. However, TCEQ has not provided funds for power, communications, and a shelter. Shell has said that they will provide shipping and helicopter flights for free, STI will attempt to cover the cost of power, communications, and a shelter using the money originally allocated to shipping and helicopter flights.</i></p>
<p><b>Proposed Solution(s)</b></p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<p><i>We are modifying our equipment as required by Shell.</i></p> <p><i>TCEQ TEXAQS-II provided STI with a separate contract to cover the cost of procuring a platform.</i></p> <p><i>STI will attempt to cover the cost of power, communications, and a shelter using the money originally allocated to shipping and helicopter flights.</i></p>

Action(s) Conducted and Results

*(Please describe the action(s) taken to resolve the problem(s) and its effect)*

*We are modifying our equipment as required by Shell.*

**Section III. Goals and Issues for Succeeding Period:** *(Please provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen)*

*In July, we hope to:*

- *Work on providing power, communications, and a shelter on the platform.*
- *Complete the instrument modifications while working with a subcontractor.*
- *Lease and test the mini-Sodar.*
- *Prepare to deploy our instruments by mid-August.*



Date: July 21, 2005

**Authorized Project Representative's Signature**

**NOTE:** *Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.*