Report Information

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Award Number</th>
<th>Prime DUNS</th>
<th>Calendar Year / Quarter</th>
<th>Final Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant</td>
<td>0854010</td>
<td>066470972</td>
<td>2011 / 2</td>
<td>No</td>
</tr>
</tbody>
</table>

Award Recipient Information

- **Recipient DUNS Number**: 066470972
- **Recipient Account Number**: 219040
- **Recipient Congressional District**: 02
- **Parent DUNS Number**: 066470972
- **Recipient Type**: 2U.G6.M8.OH.VW
- **Recipient Legal Name**: AUBURN UNIVERSITY
- **Recipient DBA Name**: 

<table>
<thead>
<tr>
<th>Address 1</th>
<th>Address 2</th>
<th>City</th>
<th>State</th>
<th>ZIP Code + 4</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>107 SAMFORD HALL</td>
<td></td>
<td>AUBURN</td>
<td>AL</td>
<td>368490001</td>
<td>USA</td>
</tr>
</tbody>
</table>

Project / Award Information

- **Funding Agency Code**: 4900
- **Awarding Agency Code**: 4900
- **Program Source (TAS) Code**: 49-0101
- **Sub Account Number for Program Source**: 
  - **CFDA Number**: 47.082
  - **Amount of Award**: 71000.00
  - **Award Date**: 08/14/2009
- **Award Description**: Rheology of Lyotropic Nematogenic Nanorod Dispersions - This award will enable investigation of the fundamental rheological behaviors of nanocylinder liquid crystals, particularly, SWNT-DNA liquid crystals. This will enable improved understanding, development and eventual commercialization of advanced materials enabled by liquid crystalline processing.

  - **Total Number of Sub Awards less than $25,000/award**: 0
  - **Total Amount Sub Awards less than $25,000/award**: 0.00
  - **Total Number of Sub Awards to Individuals**: 0
  - **Total Amount of Sub Awards to Individuals**: 0.00
  - **Total Number of Payments to Vendors less than $25,000/award**: 44
  - **Total Amount of Payments to Vendors less than $25,000/award**: 31384.59
  - **Total Number of Payments to Vendors less than $25,000/award**: 71000.00
**Project Information**

<table>
<thead>
<tr>
<th>Project Name or Project/ Program Title</th>
<th>Activity Codes (NAICS or NTEE-NPC) (up to 10)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rheology of Lyotropic Nematogenic Nanorod Dispersions</td>
<td>Activity Code 1  B43 - NTEE</td>
</tr>
<tr>
<td>This project investigates how single-walled carbon nanotubes, one of the worlds strongest and most conductive materials, can be dispersed in solutions of DNA. The focus is on understanding the rheology or flow response of these systems. This is important for knowing how these dispersions can be processed into advanced materials such as films with unique optical signatures and sensors. Essentially four variables are being investigated at 1) how the dispersion is prepared 2) the nanotube concentration 3) the shear rate and 4) the temperature. This fundamental research project will help in the development of advanced materials for sensors and multifunctional coatings.</td>
<td></td>
</tr>
<tr>
<td>Quarterly Activities/ Project Description</td>
<td></td>
</tr>
<tr>
<td>Completed 50% or more</td>
<td></td>
</tr>
<tr>
<td>Total Federal Amount ARRA</td>
<td>69664.80</td>
</tr>
<tr>
<td>Funds Received/ invoiced</td>
<td></td>
</tr>
<tr>
<td>Number of Jobs</td>
<td>0.17</td>
</tr>
<tr>
<td>Description of Jobs Created</td>
<td>Graduate Assistant</td>
</tr>
<tr>
<td>Total Federal Amount of ARRA Expenditure</td>
<td>71000.00</td>
</tr>
<tr>
<td>Total Federal ARRA Infrastructure Expenditure</td>
<td>0.00</td>
</tr>
<tr>
<td>Infrastructure Purpose and Rationale</td>
<td></td>
</tr>
</tbody>
</table>

July 6, 2011
Prime Recipient 066470972 | 0854010

Report Information

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Award Number</th>
<th>Prime DUNS</th>
<th>Calendar Year / Quarter</th>
<th>Final Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant</td>
<td>0854010</td>
<td>066470972</td>
<td>2011 / 2</td>
<td>No</td>
</tr>
</tbody>
</table>

Infrastructure Contact

- Name
- Email
- Phone
- Ext
- Street Address 1
- Street Address 2
- Street Address 3
- City
- State
- ZIP Code + 4

Primary Place of Performance

- Address 1: 212 Ross Hall
- Address 2
- City: Auburn University
- Country Code: US
- State: AL
- ZIP Code + 4: 36849 - 0001
- Congressional District: 02

Recipient Highly Compensated Officers

- Prime Recipient Indication of Reporting Applicability: No
- Officer 3 Name
- Officer 3 Compensation
- Officer 4 Name
- Officer 4 Compensation
- Officer 5 Name
- Officer 5 Compensation

Report Audit Trail

- Created By: Cindy Selman
- Date Created: 07/06/2011 02:48 PM
- Last Updated By: Cindy Selman
- Last Updated On: 07/06/2011 02:48 PM