

I certify that to the best of my knowledge that:

- (1) the statements herein excluding scientific hypotheses and scientific opinions are true and complete, and
- (2) the text and graphics in this report as well as any accompanying publications or other documents, unless otherwise indicated, are the original work of the signatories or individuals working under their supervision.

I understand that the willful provision of false information or concealing a material fact in this report or any other communication submitted to NURP is a criminal offense (US Code, Title 18, Section 1001).

PI or Co-PI		
<b>Name (Typed)</b>	<b>Signature</b>	<b>Date</b>
<b>Telephone Number</b>	<b>Electronic Mail Address</b>	<b>Fax Number</b>

### Certification for Authorized Institutional Representative or Individual Applicant

By signing and submitting this proposal, the individual applicant or the authorized official of the applicant institution is providing the certifications regarding Federal debt status, debarment and suspension, drug-free workplace, and lobbying activities, as set forth in U.S. Dept of Commerce Form CD511.

#### Debt and Debarment Certifications

(If answer "yes" to either, please provide explanation.)

Is the organization delinquent on any Federal debt? Yes      No

Is the organization or its principals presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency? Yes      No

#### Certification Regarding Lobbying

This certification is required for an award of a Federal contract, grant, or cooperative agreement exceeding \$100,000 and for an award of a Federal loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$150,000.

#### Certification for Contracts, Grants, Loans and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Authorized Institutional Representative		
<b>Name/Title (Typed)</b>	<b>Signature</b>	<b>Date</b>
<b>Telephone Number</b>	<b>Electronic Mail Address</b>	<b>Fax Number</b>
<b>Address</b>		