

## STATEMENT OF CONSIDERATIONS

REQUEST BY SHELL SOLAR INDUSTRIES LP FOR AN ADVANCE WAIVER OF DOMESTIC AND FOREIGN PATENT RIGHTS UNDER NREL SUBCONTRACT NO. ZAX-5-33628-07 ENTITLED "MANUFACTURING IMPROVEMENTS IN Cz SILICON MODULE PRODUCTION;" UNDER DOE CONTRACT NO. DE-AC36-98GO10337; W(A)-05-060 ; CH-1346

As set out in the attached waiver petition and in subsequent discussions with DOE Patent Counsel, Shell Solar Industries LP (SSI) has requested an advance waiver of domestic and foreign patent rights for all subject inventions made under the above-identified subcontract by its employees and its subcontractors' employees, regardless of tier, except inventions made by subcontractors eligible to retain title to inventions pursuant to P.L. 96-517, as amended, and National Laboratories.

Referring to item 2 of SSI's waiver petition, the purpose of this subcontract encompasses the development of improved photovoltaic (PV) manufacturing techniques focused on improved product reliability, a reduction in module production costs to less than \$2/watt, and the production of modules with total area efficiency greater than 15 percent.

The work under the subcontract is expected to take place over a period of 38 months at a total cost of \$6,176,578. SSI is obligated to cost share \$3,176,578, or more than 50 percent of the total cost of the project.

In view of the cost sharing and other equities between SSI and its subcontractors, it is anticipated that the parties will develop an appropriate allocation of patent rights among the participants to facilitate the expeditious development of the technology forming the subject matter of the agreement. Accordingly, DOE will waive title to all subject inventions made by SSI's employees and its subcontractors' employees, regardless of tier, except inventions made by subcontractors eligible to retain title pursuant to P.L. 96-517, as amended, or National Laboratories, to SSI or its subcontractors, as mutually agreed by the parties. Except as otherwise approved in writing by DOE Patent Counsel, a party's acceptance of a subcontract under this agreement, at any tier, shall constitute SSI's certification that it has provided that party with a copy of this Statement of Considerations and that party's notice to DOE that it accepts the terms and conditions of this advance waiver. Additionally, subcontractors who receive title under this waiver shall notify DOE Patent Counsel in writing of such disposition of patent rights.

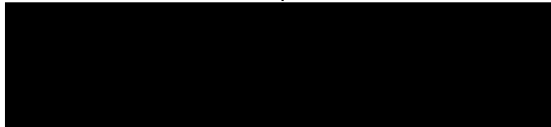
Referring to items 5-9 of SSI's waiver petition, SSI and its predecessor companies have been leading the development of photovoltaic modules and systems since the 1970's. This, coupled with SSI's cost sharing, clearly demonstrates the likelihood that SSI will continue development and commercialization of the results of this subcontract.

This advance waiver of the Government's rights in inventions is subject to the government license, march-in rights, and preference for U.S. industry provisions set out in 35 U.S.C. 202-204. The advance patent waiver also includes the attached U.S. Competitiveness clause (paragraph t) which requires products embodying any waived invention or produced through the use of any waived invention be manufactured substantially in the United States unless the participant can show to the satisfaction of DOE that it is not commercially feasible to do so. The contractor further agrees to make the above condition binding on any assignee, licensee or other entity acquiring rights to any waived invention, including subsequent assignees

or licensees. Should the Contractor or other such entity receiving rights in any waived invention undergo a change in ownership amounting to a controlling interest, then the waiver, assignment, license, or other transfer of rights in the waived invention is suspended until approved in writing by DOE.

Referring to item 10 of the waiver petition, granting this waiver is not anticipated to have any adverse impact on competition as there are a variety of competing process technologies in the relevant market.


Considering the foregoing, it is believed that granting this waiver will provide Petitioner with the necessary incentive to invest its resources in the commercialization of the results of the agreement in a fashion which will make the technology available to the public in the shortest practicable time. Therefore, upon evaluation of the waiver petition and in view of the objectives and considerations set forth in 10 CFR 784, all of which have been considered, it is recommended that the requested waiver be granted.

  
Thomas G. Anderson  
Assistant Chief Counsel  
Intellectual Property Law Division

Date: 12/19/05


Based upon the foregoing Statement of Considerations and representations in the attached waiver petition, it is determined that the interests of the United States and the general public will best be served by a waiver of patent rights of the scope described above, and therefore the waiver is granted. This waiver will not apply to any modification or extension of the contract, where through such modification or extension, the purpose, scope or cost of the contract has been substantially altered.

CONCURRENCE:

 03/21/2006  
R.A. Sutula 3/24/06  
Raymond A. Sutula, Program Manager  
Office of Solar Energy Technology Program

Date: \_\_\_\_\_

APPROVAL:

  
Paul A. Gottlieb  
Assistant General Counsel for  
Technology Transfer and Intellectual  
Property, GC-62

Date: 4-6-06

## ***WAIVER ACTION - ABSTRACT***

**W(A)-05-060 (CH-1346)**

<u>REQUESTOR</u>	<u>CONTRACT SCOPE OF WORK</u>	<u>RATIONALE FOR DECISION</u>	<u>DISPOSITION</u>
Shell Solar Industries LP under NREL subcontract No. NREL-ZAX-5-33628-07 under DOE contract No. DE-AC36-98GO10337	Manufacturing Improvements in Cz Silicon Module Production	more than 50% cost sharing	