



Fiber Optic Hydrogen Sensor Development

Cooperative Research and Development
Final Report

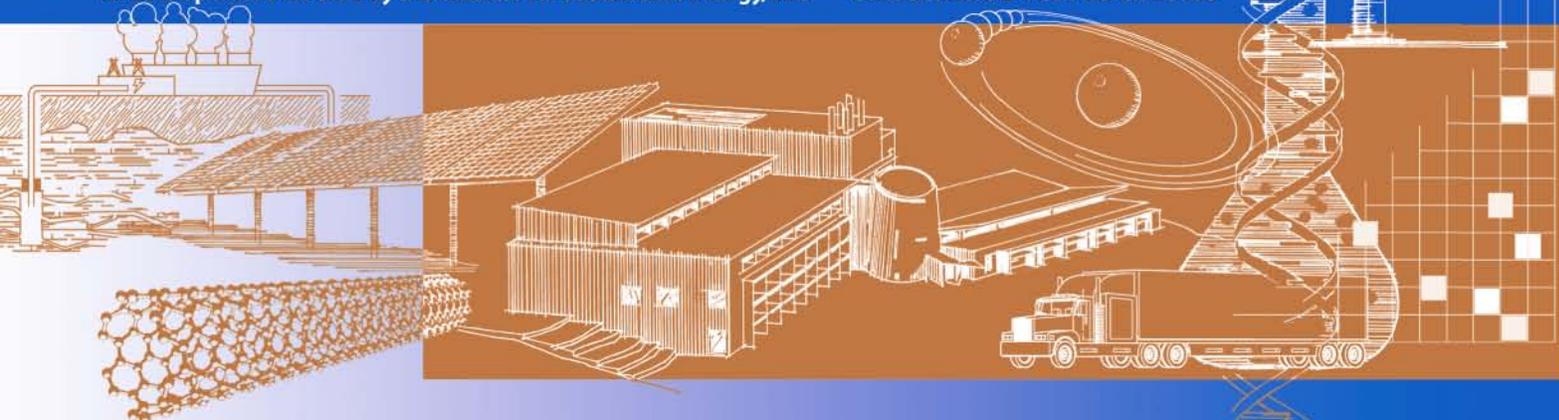
CRADA Number: CRD-05-00158

NREL Technical Contact: Matthew Ringer

CRADA Report
NREL/TP-7A1-48407
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Cooperative Research and Development Final Report

In accordance with Requirements set forth in Article XI.A(3) of the CRADA document, this document is the final CRADA report, including a list of Subject Inventions, to be forwarded to the Office of Science and Technical Information as part of the commitment to the public to demonstrate results of federally funded research.

CRADA number: CRD-05-00158

CRADA Title: Fiber Optic Hydrogen Sensor Development

Parties to the Agreement: NucFil, LLC (NFT) + NREL

Abstract of CRADA work:

Collaborate with NREL licensee to develop a commercial product for sensing hydrogen using fiber optic sensors.

Summary of Research Results:

NREL and Nuclear Filter Technology collaborated to develop a prototype product for a hydrogen threshold sensor that was used to monitor hydrogen production in the transport of nuclear waste transport containers. This application is a core business area for Nuclear Filter Technology and will provide a basis for creating sensor products that are used in other licensed fields of use. Activities included design and construction of prototype product, product testing and debugging, and finalizing a prototype for initial field tests.

Subject Inventions listing: None.

Report Date: 3/1/10

Responsible Technical Contact at Alliance/NREL: Ringer, Matt

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