

**TRADEMARK ASSIGNMENT**

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 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNS THE ENTIRE INTEREST AND THE GOODWILL		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Steward Advanced Materials, Inc.		01/11/2006	CORPORATION: TENNESSEE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Battelle Memorial Institute		
<b>Street Address:</b>	902 Battelle Boulevard		
<b>Internal Address:</b>	David Long, Mailstop K1-53		
<b>City:</b>	Richland		
<b>State/Country:</b>	WASHINGTON		
<b>Postal Code:</b>	99354		
<b>Entity Type:</b>	incorporated charitable trust, Section 501(c)(3): OHIO		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	78751827	SAMMS	
<b>CORRESPONDENCE DATA</b>			
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<b>NAME OF SUBMITTER:</b>	John A Higley		
<b>Signature:</b>	/John A Higley/		
<b>Date:</b>	01/11/2006		

Total Attachments: 3

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***STEWARD ADVANCED  
MATERIALS***

**Collaboration Discussion with  
TVA**

**8/17/2005**

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# ***Steward Advanced Materials***

*Growing Value through Character and Technology*

## About PNL (Pacific Northwest National Laboratory)

Functional Multi-scale Materials Group

Environmental Technology Division

Relevant activity: remediation of heavy metals  
using SAMMS

### NOTICE

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# Steward Advanced Materials

Growing Value through Character and Technology

Pacific Northwest National Laboratory  
U.S. Department of Energy

## Molecular Design

- Selective Capture and Concentration
- Versatile/Tunable Functionality

## Nanomaterials

- Key : High Density Molecular Monolayers and High Surface Areas
  - $10^6$  preconcentration and high capacity
- Open pore structure - fast response

## Microscale structures

- Support for Nanomaterials
- Enhanced Device Integration

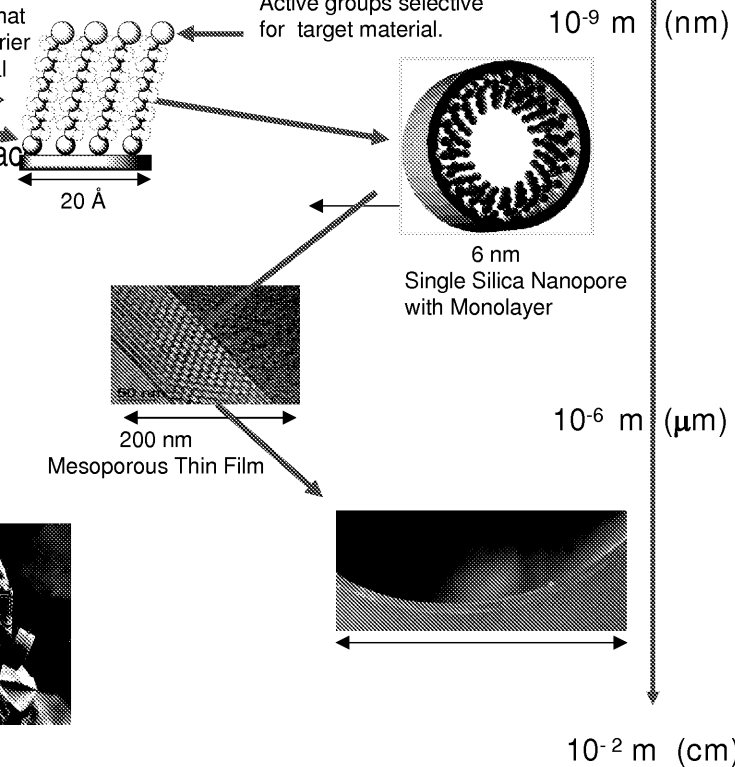
## Macro Platforms

- Air/Water Scrubbers
- Sensing and Detection
- Signature Collection
- Taggants

## SAMMS – How It Works

Chemical compound that binds to surface of carrier and contains functional (active) group

Active groups selective for target material.



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