



NATIONAL SHIPBUILDING RESEARCH PROGRAM
ADVANCED SHIPBUILDING ENTERPRISE

Reducing Naval Ship Construction & Repair Costs

State of the Panel Address

Environmental Technologies Panel

Panel Chair: Wayne Holt

Vice Chair: Shaun Halvax

Environmental Technologies Panel Steering Committee

- Donna Elks – EB - Chair
- Mike Chee - NASSCO
- Stephanie Carver - BIW
- Shaun Halvax – BAE Systems SDSR
- David Kopack – NAVSEA
- Frank Thorn – NG Newport News
- Alan Sprott – Vigor Industrial

Implementation of Recently Generated Emission Factors at the Federal, State and Local Level

- **Prime/Lead**: Concurrent Technologies Corporation
- **Team Members**: BAE Systems San Diego Ship Repair
- **Duration**: 12 months
- To assist shipyards with preparing for new federal welding emission factors and to support shipyards' initiative of getting newly developed industry specific emissions factors (resulting from previous NSRP funded projects) implemented at the Federal, State and Local level.
- Strengthen relationship between industry and EPA by helping EPA advance their new “WebFIRE” program.
- **Program Funds**: \$ 98,956
- **Cost Share**: \$ 4,000

NSRP ETP Meeting with EPA

- On January 19, 2011, a meeting was held between the National Shipbuilding Research Program (NSRP) Environmental Technology Panel (ETP) team, which included its Support Contractor Concurrent Technologies Corporation (*CTC*), and representatives from the United States (U.S.) Environmental Protection Agency (EPA). The meeting was held at the U.S. EPA Research Triangle Park

NSRP ETP Meeting with EPA

Name	Organization	Phone	Email Address
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Joe Jackens	CTC	814-269-2589	jackensj@ctc.com
Michael McCann	CTC	814-466-7116	mccann@ctc.com
Chuck Tomljanovic	CTC	814-248-2595	tomljano@ctc.com

NSRP ETP Meeting with EPA

- The objectives of the meeting were to:
- Restate the NSRP ETP's commitment to working with the U.S. EPA in developing and implementing revised welding emissions factors;
- Review the NSRP work, and discuss what has been done, or what will be done, with the welding emissions factors data provided to the U.S. EPA over the past few years; and,
- Discuss and obtain a status update on the activities completed under the recently proposed regulatory actions.

NSRP ETP Meeting with EPA

Action	Responsibility	Date
Prepare comments on the potential development of a new welding regulation, and collect industry welding information.	NSRP ETP Team	No later than February 22, 2011
Complete a project to beta test the ERT system by entering the NSRP ETP developed data into the new U.S. EPA WebFIRE system.	NSRP ETP Team/U.S. EPA	TBD
Submit the method used to develop the NSRP ETP emissions factors to Ms. Connie Sue Oldham for consideration as an “Other Test Method” (OTM), or possible consideration for the development of a future U.S. EPA Reference Method for use by Federal and State regulators.	NSRP ETP Team	TBD

ETP meeting with EPA Action Item 1

- Proposal for “Fast Reaction” project to develop and submit comments on the Proposed Rule was approved by the ETP Steering Committee and submitted to ATI.
- ATI submitted the proposal to the NSRP ECB.
- The ECB voted to approve and fund.
- Concurrent Technologies and John Wittenborn were contracted by ATI to develop and submit the comments to the EPA Docket.
- The comments were posted to the Docket on February 21, 2011 after review and approval of the ETP Steering Committee.

NSRP ETP Comments to EPA

- “The ETP strongly encourages EPA to use the emissions data and factors developed by CTC in evaluating whether to list welding operations from shipbuilding and ship repair facilities as a major source category under Section 112 (c)(5) of the Clean Air Act. Using actual process and emissions data will allow EPA to determine whether emissions warrant listing of the source category, and, if so, to determine how to regulate such emissions. We believe that the CTC data demonstrate that work practice standards may be appropriate due to the unique operating conditions at shipbuilding facilities that make emissions controls and monitoring inappropriate. Certainly, the data demonstrate that the shipyard operating conditions and processes differ from general construction or other manufacturing operations and require separate regulatory consideration. Generic industry assumptions regarding welding emissions (e.g. AP-42) are not appropriate for use in calculating emissions where industry-specific data of sufficient quality are otherwise available. The CTC data are of sufficient quality and more accurately demonstrate the emissions associated with actual shipyard operations.”

What FY-11 & Forward holds for the ETP

- No ETP Whitepaper Proposals funded for FY-11
- FY-12 Whitepaper Project Solicitation – 4-2011
- Need Focused Effort on Proposals to Compete for ECB Funding
- NAVSEA Emphasis on Reducing Total Ownership Cost of Ships, Increasing Quality & Longevity, and Energy Conservation & Pollution Prevention
- Demonstration of ROI and Industry Support & Implementation Critical

What FY-11 & Forward holds for the ETP

- Next Meeting Mid-June Norfolk VA, Host BAE Norfolk Ship Repair
- Election of New Panel Chair & Vice Chair to take place. Nominations being sought
- Whitepaper Project Proposal to be presented for Evaluation by Panel Membership
- Evaluation of ETP By-Laws for Revision to take place
- “All” Panel Meeting to take place Oct. 4-6, 2011 in Newport News, VA, including One-Day Breakout Individual Panel Meetings
- **STAY TUNED FOR A NEW AND IMPROVED NSRP ETP!**

For More Information



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Reducing Naval Ship Construction & Repair Costs

Program Information
Projects
Ship Production Panels
Industry Initiatives
Solicitation

VIDEO GALLERY

Gallery



Remote Climbing Robot for Automated Welding Processes
Demo of a mobile, autonomous, robotic welding platform that



Portable Automated Bulkhead and Hull Straightener
The focus of this project expanded existing technology used in

Proposal Writing Workshop

October 27, 2010
Charlotte, NC



For additional Information:
[Proposal Writing Workshop](#)

Proposal Writing Workshop

ABSTRACT SUBMISSION



[Solicitation Information](#)
[Current Research Announcement](#)

TECHNOLOGY TRANSFER

[NSRP Proposal Writing Workshop](#)
 October 27, 2010
 Charlotte, NC

[Electrical Technologies Panel Meeting](#)
 November 2, 2010
 Seattle, WA

MAJOR PROGRAM INITIATIVES

SHIPYARD PRODUCTION PROCESS TECHNOLOGIES	SYSTEMS TECHNOLOGY	BUSINESS PROCESS TECHNOLOGIES	PRODUCT DESIGN & MATERIAL TECHNOLOGIES	FACILITIES, TOOLING & RISK MANAGEMENT	CROSSCUT INITIATIVES
					

-  PROJECT SELECTION PRESS RELEASE
-  PROJECT BOOK
-  NEWS BULLETIN
-  PROPOSAL WRITING WORKSHOP

NSRP is co-funded by the U.S. Navy and the U.S. Shipbuilding Industry






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RECENT VIDEOS | Gallery

Remote Climbing Robot for Automated Welding Processes
Team continues refinement of the mobile welding

Portable Automated Bulkhead and Hull Straightener
The focus of this project expanded existing

Previous Screen | Screen 1 of 1 | Next Screen

Applications for Design for Production software released

Evaluate Career Website To Increase Talent Pipeline For Future Of Shipbuilding And Repair Industry
www.Goships.com Survey
[Press Release](#) | [Goships.com Brochure](#)

TECHNOLOGY TRANSFER

[Facilities, Tooling & Risk Management Panel Meeting \(Joint Safety & Health Advisory and Worker's Compensation Committees\)](#)
May 19-20, 2010
Portland, ME

[Ship Production Panels/product design meetings.](#)

MAJOR PROGRAM INITIATIVES

SHIPYARD PRODUCTION PROCESS TECHNOLOGIES | SYSTEMS TECHNOLOGY | BUSINESS PROCESS TECHNOLOGIES | PRODUCT DESIGN & MATERIAL TECHNOLOGIES | FACILITIES, TOOLING & RISK MANAGEMENT | CROSSCUT INITIATIVES

PROJECT SELECTION PRESS RELEASE

NSNAME SHIP PRODUCTION SYMPOSIUM CALL FOR PAPERS
NSRP PROJECT BOOK
NEWS BULLETIN

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NEW HOMEPAGE DESIGN

- Page for each Major Initiative
- New menu layout

NSRP has joined the blogosphere!

- Links off the home page to 6 blog sites
- One for each Major Initiative
- Users can post commentary, event descriptions, other relevant materials
- Additional avenues for tech transfer & networking

www.nsrp.org

NSRP Major Initiatives Blog Site

HOME | HOW TO USE THE NSRP MAJOR INITIATIVE BLOG SITE | RETURN TO NSRP WEBSITE | FEED

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How to Use the NSRP Major Initiative Blog Site

MAJOR INITIATIVES BLOGS

Business Process Technologies (1)
Crosscut Initiatives (1)
Facilities, Tooling & Risk Management (1)
Product Design & Material Technologies (1)
Shipyard Production Process Technologies (1)
Systems Technology (1)

HOW-TO WEBPAGES

How to Use the NSRP Major Initiative Blog Site
Return to NSRP Website

Instructions:

1. Select a blog (listed on the left toolbar).
2. Read posting of interest
3. Post comment by selecting "Comments" Link.
4. The comment will be sent to the NSRP Administrator for approval.
5. Once approved, the comment will be displayed underneath the blog.

If you have questions, please contact the NSRP Administrator at (843) 760-3334 or at nsrp@aticorp.org

Comment (RSS) | Trackback

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ADMINISTRATOR FUNCTIONS

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National Shipbuilding Research Program

managed by



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