

NSRP

SP-1 Environmental Technology Panel

BRAINSTORMING ENVIRONMENTAL SUBJECTS

2010
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Electric Boat

AIR

PROVIDED IDEAS

SUBJECT	VOTE TALLY
Open air overspray	7
Addressing diesel particulate emissions from shipyard equipment	5
Residual Risk Assessment – New Steps	1

AIR

ADDITIONAL IDEAS

Substitute less volatile cleaning products

Welding, Cutting & Gouging emissions control. (Synergy with Weld Panel)

New regulations mandatory reporting for facilities with greater than 25,000 metric tons of CO2 emissions - combustion resources, boilers

Ozone Standards (New)

Paint compliance management

VOC reduction in solvents/paints

Ozone non-attainment/attainment

ENERGY *PROVIDED IDEAS*

SUBJECT	VOTE TALLY
LED lights Demo for Shipyards	1
Analyze LEED	-
Climate Action Plan – After GHG Footprint Determined – Next Steps	4
Energy Consumption Audits of Shipyards – and Reduction Efforts	6

ENERGY

ADDITIONAL IDEAS

LEED standards for new facility construction.

Green/energy-efficient purchasing when replacing equipment such as computers

Improve energy efficiency in material movement through more effective planning and use of electric or fuel-efficient, low-emission vehicles

Assess opportunities to use alternative energy sources, such as solar, wind, geothermal or water heat exchange

Process improvement to reduce energy requirement for welding preheat

Green House Gas reduction efforts

WATER *PROVIDED IDEAS*

SUBJECT	VOTE TALLY
Drydock NPDES compliance	6
Use of ECO/Bio technology for industrial permit issues	1
Mixing zone studies	5
Understanding aquatic toxicity	4
Guidebook for dredging regulations and dredging possibilities	3

WATER

PROVIDED IDEAS *Continued*

SUBJECT	VOTE TALLY
Managing storm water discharges	4
Addressing TBT free Certification Issues	-
Vessel General Permit – Re-Opened – State Rule Variations	5
Address New Performance Standards for Copper Paint Leaching Rates	3

WATER

PROVIDED IDEAS *Continued*

SUBJECT	VOTE TALLY
Closed-Loop Water Re-Use	4
Invasive Species	1
TMDL for Nutrients	1
Upcoming Regulatory Issues Regarding Managing Vessel Ballast Water Discharges	6
Investigation into the root cause of spills/releases to the receiving water and respective corrective action/mitigation	1
History and effect of pollution from shipbuilding and repair	4

WATER

ADDITIONAL IDEAS

Effects of sea level rise on dry dock, pier & wharf design, operations and maintenance

Substitute less toxic cleaning and coating products

WASTE PROVIDED IDEAS

SUBJECT	VOTE TALLY
Single source recovery	-
Universal waste guide	2
Treatment technology guidebook for removal of metal, non-oily waste, solid waste, oil waste	6
Nonskid coating removal	-
Screening hazmat before the material comes into a shipyards	5

WASTE *PROVIDED IDEAS* continued

SUBJECT	VOTE TALLY
Addressing issues concerning foreign manufactured equipment certification	-
Total Shipyard Waste Reduction	8

WASTE

ADDITIONAL IDEAS

Use of pre-saturated wipes in canisters to minimize evaporation and spillage of solvent cleaners (VOC reduction)

Install hand dryers to replace paper towels in washrooms (Energy efficiency)

MISCELLANEOUS *PROVIDED IDEAS*

SUBJECT	VOTE TALLY
ECO restoration	3
Publication of regulatory agenda	-
Early warning detection system for upcoming regulatory issues	4
Address how local environmental requirements impact vessel design and repair	2
Evaluating the shipyard Environmental Impact of Composite Material Usage	-

MISCELLANEOUS

PROVIDED IDEAS *continued*

SUBJECT	VOTE TALLY
Evaluating Environmental Life Cycle Costs Analysis of Shipyard Processes	2
Sustainable Practices	1
Green – Design for the Environment – Shipbuilding & Retro-fit – (Total Ownership Cost)	3
Reduce Cost of Environmental Management in Shipyards	4

MISCELLANEOUS

PROVIDED IDEAS *continued*

SUBJECT	VOTE TALLY
Streamlined Environmental Recordkeeping	9
Addressing Vapor Intrusion Issues	1
Improving Credibility of Environmental Managers in Shipyards	2
Addressing Changes in New Storage Tanks Regulations	2

MISCELLANEOUS

ADDITIONAL IDEAS

Brownfield / Remediation projects

Evaluating NSRP Panel effectiveness - are we achieving our objectives?

ETP PROJECT “MEETING THEMES”

SUBJECT	VOTE TALLY
Stormwater – New Technologies	3
Air Emissions	4
Dredging	3
Emergency Response	-
Remediation	1
Training	3

ETP PROJECT “MEETING THEMES”

ADDITIONAL IDEAS

Natural resource damages, causes, affects, solutions

Reduction in energy usage

Compliance