Environmental Management Systems

August 11, 2003

Frederic C. Murphy
Environmental Management Systems

21st Century Management

Why?
Environmental Management Systems

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Pressures

2002 Laws

New England 338
CA, OR, WA 99

3rd Generation Regulators
Environmental Management Systems

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Pressures

Hammer Oversight
Environmental Management Systems

21st Century Management

Congress - Surface Transportation Reauthorization Bill
US DOT - Streamlining and Stewardship
          Delegation of Authority
AASHTO - Center for Environmental Excellence
EPA - Position on Environmental Management Systems
EPA - Training for Environmental Management Systems
States - Supplemental Environmental Projects
As we move forward, we need to be clear about our message and our direction both within the agency and to our State, Federal and public partners: we are not making a choice between advancing transportation improvements in a timely manner and being good stewards of the human and natural environment; we must do both.
At the annual meeting of the Environmental Council of the States in Hawaii this past summer, the Administration stated its support for significantly increasing the number of private and federal facilities using EMS in the United States.
Environmental Management Systems

The Reason Why
Environmental Management Systems

The Reason Why

Establish and maintain spill response control supplies and hazardous waste staging areas at strategic locations in New Hampshire.

Achievement of ISO 14000 Certification
Yearly Review of Significant Aspects

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Environmental Management Systems

The EMS Study

Significance Summary

Activities Reviewed  32
Aspects Assessed    104
Significant Aspects 21
Objectives and Targets 10
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The EMS Study - Benefits

Recycle Sign Material

Sign Material Storage
Now stored undercover
Environmental Management Systems

The EMS Study - Benefits

Recycle Sign Material

Recycled Sign Material

New $1.55/ sq. ft
Recycled $0.88/ sq. ft
15% Recycled Use/ Year
95% Recycled Use in 5 Years
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EMS Study - Benefits

Waste Paint Processing
6000 Gal. * $3.25 = $19,500+

$42,960 New Equip./Maint. Training Cost
2.5 Years Pay Back

$15,000 Annual Savings
Vehicle Washing
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EMS - The Future

Common Threads

Policies and Procedures

Training

Objectives & Targets

Measurement

Management Rev

Stakeholders
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EMS - The Future

Safety
Quality controls
Quantity
Stewardship
NPDES II Requirements
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EMS - The Future

Measurable – Setting
Objectives and targets
Requires Audits – 3rd Party Registration
Continuous – Annual Reviews of Program
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EMS - The Future

“We cannot afford not to establish an Environmental Management System”

Leon S. Kenison
Commissioner
NH DOT