



3 AREA SUPPORT GROUP



Reducing High Risk HazMat at CFB Gagetown

Jodi Schnare

3 ASG HazMat Officer

jodi.schnare@forces.gc.ca



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CFB Gagetown

- 3 Area Support Group
 - Provides support and services to the Combat Training Centre, Reserve Units throughout NB and PEI (15 sites), 72 Cadet Corps
 - Total of 23 Regular Force Units, 10 Reserve Force Units
 - 3600 military (CFB Gagetown)
 - 800 civilian employees
- Land Force Atlantic Area
 - NB, PEI, NS and NL Army units
 - Additional 10 army units
 - 7200 Reservists and Cadets
- \$200M to local economy
- \$500M to provincial economy

Green Procurement and Hazardous Materials (HazMat)

- The selection and acquisition of consumable products which have the lowest negative impact on the environment and personnel health and safety.
- Selecting “low-risk” HazMat
- Reducing the number of High Risk HazMat in use and storage;
- Increasing the number of Preferred Products;
- Reduce the amount of Hazardous Waste sent for disposal;
- Make personnel more aware of environmental performance considerations; and
- Support a healthier workplace.



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National - ADM (Mat)

6 Targets for Green Procurement

1. Incorporate Green Procurement objectives into Performance Management Agreements

Performance factors for goods / services to meet

- LEED (Leadership in Energy and Environmental Design)
- Green Leaf



National - ADM (Mat)

6 Targets for Green Procurement

- 2. 5% target for green vehicles
(As of Feb 2011: 23.29 %)



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National - ADM (Mat)

6 Targets for Green Procurement

3. Introduction of environmentally friendly hydraulic fluid for aircraft fleet
Applicability to Light Armoured Vehicles?





National - ADM (Mat)

6 Targets for Green Procurement

4. Incorporate Green Procurement into policies for best management in material acquisition and supply.

Printers: Mandatory environmental criteria include:

- Energy Star qualification,
- Ability to duplex print;
- Compatibility with remanufactured toner cartridges;
- Low emissions
- Hardware take back at end of life
- Packaging removal by supplier



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National - ADM (Mat)

6 Targets for Green Procurement

5. 100 % target for Green Procurement Training (buyers)
 - Civilians: by Mar 2011
 - Military: by Oct 2011



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- **Module 1 : Basic Concepts** background information about why we should buy environmentally preferable products and services, what it means, and how it has been applied elsewhere.
- **Module 2: The Policy** objectives, applications and implementation of the Policy on Green Procurement.
- **Module 3: Assessing Products** terms and claims that you are likely to encounter, gives practical tips on assessing environmentally preferable products and services.
- **Module 4: The Life Cycle** considerations to be made during each of the procurement phases - assessment and planning , acquisition, use/maintenance, and disposal.
- **Module 5: Resources for Buying Green** green procurement related tools.
- **Module 6: Guidelines for Greening Specifications** guidelines to developing green specifications and criteria before making a purchase.
- **Module 7: Practical Considerations** additional factors you may encounter such as working with suppliers and dealing with resistance, and it outlines some overall key success factors.
- **Final Quiz** score of 70% or higher





National - ADM (Mat)

6 Targets for Green Procurement

6. Reduction of High Risk HazMat
Director Land Equipment Program
Staff:
 - Products to be replaced
 - ARET, NPRI, CEPA Schedule 1
 - High Risk
 - Trials at 202 Workshop, Montreal
 - Best Practices



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Training:

- Mandatory for all buyers with FAA Section 32 and 34 signing authority
- PWGSC on-line course (civilians)
- DND Learn on-line course (Military)
- Unit HazMat Coordinators
 - Base Procedures
 - “Greenwashing”



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Revising Contracts:

Janitorial products used on Base must be ECO-LOGO'd or Green Sealed (cleaners, garbage bags, paper towel etc)

Encouraging Eco Labels for local purchase orders



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HMRA

- Products Database
- Procure Status
 - Preferred
 - Prohibited
 - Restricted
 - National vs Local
- Holdings Database
- Hazardous Materials Preferred Product Selector (based on commodity type)

LPS NOFLASH NU ELECTRO CONTACT CLEANER

- List
- Item Info
- MSDS
- Ingredients
- Attributes
- Transportation
- Regulatory
- Hazard Ranking
- Record Admin

Category : HAZMAT / MSDS **Inactive :**

Commodity Type : CLEANER & DEGREASER

Commodity : SOLVENT: HYDROFLUOROCARBONS

Manufacturer : LPS RESEARCH LABORATORIES INC.

Product Use : CLEANER - ELECTRONICS

Procure Status : PROHIBITED **View Stock Number(s)**

Part Numbers

Brand Name	Part Number	Qualifier
LPS NOFLASH NU ELECTRO CONTACT CLEANER	04015	
LPS NOFLASH NU ELECTRO CONTACT CLEANER	C04015	425 G AEROSOL



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Product Replacement

- List generated by chemists in Ottawa
- Compared to actual holdings on Base
- Procurement of replacement product
- One-for-one exchange
- Local procure status – Prohibited
- Windex and Spray Nine (2 BE)



Director Land Equipment Program Staff

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[ADM\(Mat\)](#) > [DGLEPM](#) > [DLEPS](#) > [Programs & Initiat...](#) > [EHS & HazMat](#) > [Best Practices](#) > Replacement

Replacement

Products (adhesives and sealants) to be replaced

The products in the list are to be replaced because of their high-risk ingredients and/or discontinuance. Their less hazardous replacements are in the testing phase.

HMRA ID	Brand Name	Manufacturer	Application	Comments
304	Grade A Sealant	Henkel Loctite	Sealing compound	Sealing compound for nuts. This is a discontinued product. Replacement option Nuts N' Bolts (HMRA ID 2779) or Loctite 290 (HMRA ID 235) is in testing phase.
308	Black Max 380 black tough adhesive	Henkel Loctite	Instant adhesive	This is a high strength instant adhesive used where it withstands vibration. A less hazardous replacement option, 495 Superbonder instant adhesive (HMRA ID 25297), is in testing phase.
783	3M Fast tack trim adhesive	3M Canada	Trim Adhesive	Discontinued product. This is a fast drying adhesive for attaching vinyl and other kinds of trim fabric, upholstery cloth, floor mats and carpeting, kick pads, silencer pads and convertible tops to painted or bare metal. A less hazardous replacement option, 3M Hi-Strength 90 Spray adhesive, is in testing phase.
801	3M Weatherstrip adhesive (RI ACK)	3M Canada LTD	Weatherstrip adhesive	This product is used where a strong, flexible, rubbery adhesive that can withstand vibration and extreme temperature variations required. This is a discontinued product and contains ARET substances. DND policy is not to use products containing ARET substances unless no replacement options available in the market. Proposed

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Preferred Products Database

- ECOLOGO, Green Seal, HMRA Preferred
- CFB Gagetown share drive



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GREEN PROCUREMENT

Product Type	Product Type	Brand Name	Manufact
Brand Name	Cleaner - Bathroom	Ecolution PRO Bathroom & Bowl Cleaner	Neutron Industries
Manufacturer	Cleaner - Bathroom	Ecolution PRO Bathroom & Bowl Cleaner	State Chemical Sol
HMRA ID	Cleaner - Bathroom	EcoPure 70 Washroom Cleaner	Avmor
SKU	Cleaner - Bathroom	elements Organic Acid Restroom Cleaner	Misco Products Co
	Cleaner - Bathroom	Envir SC Daily Restroom Cleaner	Area Distributors In
	Cleaner - Bathroom	Enviro Care Washroom Cleaner	Rochester Midland
	Cleaner - Bathroom	Enviro Chem Washroom Fixture Cleaner	Rochester Midland
	Cleaner - Bathroom	Enviro-Brands Enviro-Chem Rainbow + Organic Restroom Cleaner Concentra	Sterling Sanitary Su
ECOLOGO	Cleaner - Bathroom	EnviroPatrol Restroom Cleaner	Carroll Company
Green Seal	Cleaner - Bathroom	ES 51C Washroom Cleaner	Enviro Solutions
HMRA Preferred Products	Cleaner - Bathroom	ES 56C Mild Acid Washroom Cleaner	Enviro Solutions
	Cleaner - Bathroom	Focus TC 66 Tub & Tile Cleaner	American Cleaning
	Cleaner - Bathroom	Good Earth Tub & Tile Cleaner	Crown Janitorial Su

Record: 1 of 2579



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“Green” Product Trials

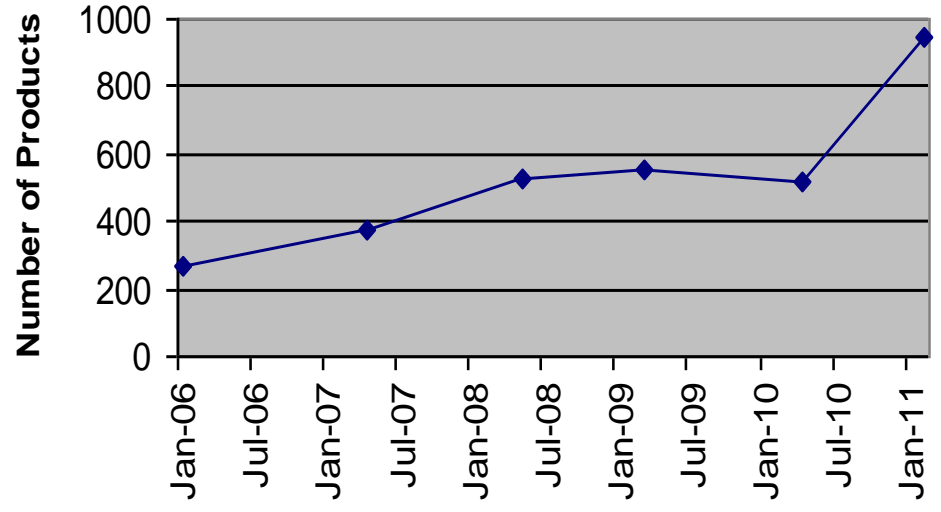
- Funding from Director Land Environment
- Trials and feedback from participating units
 - Soy based parts washer
 - Eco-logo cleaners / degreasers
 - Brake Cleaners
 - Paint Gun Washer
- Future: VOC study



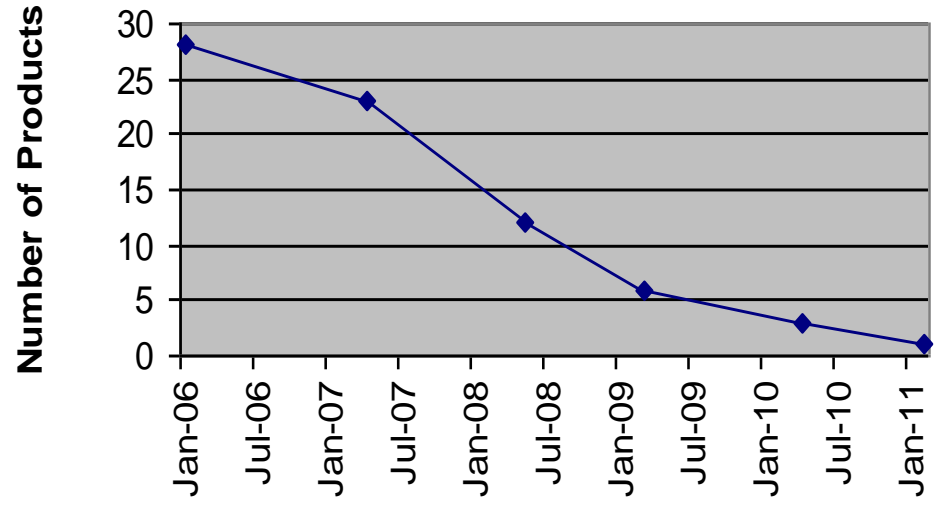
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Preferred Products in Use



Prohibited Products in Use





Directives

If one can prove that the...

- Cost of the environmentally preferable alternative is lesser or equal to the normal purchase throughout the entire life cycle of the good or service, **it may be authorised to pay a higher cost up front.**
- Purchase of the environmentally preferable alternative is a preventive measure, **it may be authorised to pay a higher cost.**



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Individual Action

- Use products to the end of their useful lives, eliminating the unnecessary disposal of hazardous waste
- Buy only what is needed, do not purchase HazMat in bulk, do not over-stock; reducing the requirement for additional storage facilities and reducing the risk of disposing of additional hazardous waste created by expired materials.
- Choose products with eco-labels (such as Eco-Logo, Green Seal, Blue Angel etc)
- Look for products in returnable containers; containers contaminated with HazMat are disposed of as hazardous waste.
- Investigate the claims of “green” products. Question Sales people
- Encourage suppliers to adopt practices that will reduce environmental impacts.



Challenges

- Changing “Old School” mentalities
- Costs
 - Up-front cost vs life cycle costs
 - One unit sees increased purchase costs, another unit sees the savings
- Communication
- “Greenwashing”, self-claiming, false labels



Bravo Zulu

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Questions??



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