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**From:** A [REDACTED]  
**Sent:** Thursday, December 02, 2010 6:42 PM  
**To:** GreenEO4  
**Subject:** Comments on Chemicals of Concern

To Whom It May Concern,

I am writing in support of the "Consideration of Chemicals in the Development of Green Specifications" Recommendation. The states as laboratories for the nation must take up consumer protective action against toxic chemicals when the federal government fails to act. As a citizen of New York, I am proud that OGS has come up with his rule and am excited about its possible implementation. I strongly support the list of chemicals included in the Recommendation found in multiple federal documents to be chemicals of concern. I particular support the elimination of the use of BPA and the use of alternatives to plastic when no plastic substitute is found to be suitable. We are following a path tread by other progressive states like California and Washington. Thanks very much,

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A [REDACTED] F [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** [REDACTED]  
**Sent:** Friday, December 03, 2010 9:45 AM  
**To:** GreenEO4  
**Subject:** Support for "Consideration of Chemicals..." recommendation

I support the "Consideration of Chemicals in the Development of Green Specifications" recommendation. This is a comprehensive chemical avoidance procurement list. For our future, and the future of our country and children, you need to act with integrity and stand by this recommendation.

A K [REDACTED]  
[REDACTED]

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**From:** S [REDACTED] R [REDACTED]  
**Sent:** Saturday, December 04, 2010 10:04 AM  
**To:** GreenEO4  
**Cc:** [REDACTED]

Dear People:

December 4, 2010

I just learned from the Center for Health, Environment & Justice that your organization, NYS Interagency Committee on Sustainability & Green Procurement, has tentatively approved a recommendation titled "Consideration of Chemicals in the Development of Green Specifications." I also understand you are asking for public comment. I heartily approve your recommendation, as it is a forward step toward seeing that State Agency Green Purchasing will carefully assess that "bad actor"

chemicals are not contained in purchases. I believe it is a strengthening of Executive Order 4, seeing that toxic chemicals are avoided and safer alternatives are sought, in all purchases, thus reducing potential health and environmental pollution for State residents. The Federal government has lists of recognized hazardous chemicals, and State procurement policies should recognize them as well. I strongly support your recommendation, and want New York to join the many other States, California, New Hampshire, Oregon, Maine, and others, who have already taken this important step. Please enact it. thank you.

S [REDACTED] R [REDACTED]  
[REDACTED]

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**From:** Diane Brandli [dbdesign@twcny.rr.com]  
**Sent:** Sunday, December 05, 2010 5:33 PM  
**To:** GreenEO4  
**Cc:** 'Anne Rabe'  
**Subject:** In Support of NYS Chemical Avoidance Purchasing Proposal

The U.S. Green Building Council New York Upstate Chapter Green Schools Committee is writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."

This policy will ultimately help to better protect our most vulnerable population – the children of New York State who spend their days in schools filled with products containing these toxic chemicals. It will also protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Thanks so much for considering our request.

Sincerely,

Diane Brandli, ASID, CID, LEED AP  
Green Schools Committee Chair  
U.S. Green Building Council, New York Upstate Chapter

**dbdesign**

*sustainability & interiors consulting*

315-657-3024

[www.dianebrandli.com](http://www.dianebrandli.com) web site & blog

*Before printing this email,  
please consider if it is really necessary.*

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**From:** J. M. [REDACTED]  
**Sent:** Monday, December 06, 2010 3:54 PM  
**To:** GreenEO4  
**Subject:** letter

*Dear Members of the Office of General Services (OGS)*

*We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

*We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.*

*This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."*

*New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.*

*The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.*





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**From:** thomas.lowe@nysna.org  
**Sent:** Thursday, December 09, 2010 1:49 PM  
**To:** GreenEO4  
**Cc:** [REDACTED]  
**Subject:** Support NYS Chemical Avoidance Purchasing Proposal

To the Office of General Services;

The New York State Nurses Association is writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."

We have long believed that there is not a shortage of nurses, but too many patients! While at first glance this statement may sound a little silly, it is serious. Many of the patients we take care of are victims of the health and environmental risks from especially hazardous chemicals in products to which all of us are exposed to on a daily basis. The illnesses and diseases these chemicals cause are, for the most part, completely preventable if only we could eliminate the cause: bad actor chemicals in every day life.

NYSNA strongly supports the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

The guiding principles outlined in EO 4 are sound and we fully support those recommendations. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

This effort puts New York among growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

NYSNA is committed to a healthy population, a positive impact on public health and a comprehensive chemical policy reform at the State and Federal level.

Respectfully -  
New York State Nurses Association  
Representing over 35,000 nurses in New York State

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**From:** N [REDACTED]  
**Sent:** Friday, December 10, 2010 2:56 PM  
**To:** GreenEO4  
**Subject:** SUPPORT consideration of chemicals in the development of green specifications

Dear Office of General Services,

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4.

It would

enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as

to: "reduce

or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

N [REDACTED] M [REDACTED]

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**From:** Mark Stipano [mark.stipano@cseainc.org]  
**Sent:** Friday, December 10, 2010 3:01 PM  
**To:** GreenEO4  
**Cc:** J. F. [REDACTED]  
**Subject:** CSEA Support for Executive Order 4 on State Agency Green Purchasing

NYS OGS Executive Order 4 Representative:

CSEA supports the Executive Order 4 on State Agency Green Purchasing because by this order NYS will begin to limit or eliminate the use of more harmful chemicals in the products it purchases and uses. This program utilizes two of the most effective means to protect workers from harmful chemicals in the work place, elimination of hazards and substitution of less hazardous materials. This program will go a long way towards improving the health of both state workers and the members of the public that frequent their workplaces to obtain the vital services they provide. The implementation of this program will not only protect the work environments of NYS from impact by these chemicals, but will also protect the work environments in the production facilities where they would have been produced.

This program could be strengthened by including the following measures:

1. Referencing the chemical abstract services (CAS) number for the individual chemical compounds on the list. This will assure suppliers or manufacturers will not include them in products offered to the state under other chemical or trade names.
2. Include all of the chemicals specifically regulated by the Occupational Safety and Health Administration under thier substance specific standards, given in Subpart Z of the General Industry Standards. This Subpart is found in Title 29 of the Code of Federal Regulations Part 1910 (29 CFR 1910). While many of these chemicals are already on the list (including lead, asbestos, and cadmium), several of them are not, including: 13 carcinogens (29 CFR 1910.1003), 1,2-dibromo-3-chloropropane (29 CFR 1910.1044), Acrylonitrile (29 CFR 1910.1045), Methylenedianiline (29 CFR 1910.1050) and 1,3-Butadiene (29 CFR 1910.1051).

The addition of these provisions would serve to prevent confusion about the identity of the chemicals prohibited for use by the order and would create a measure limiting the state agencies from using highly regulated materials resulting in cost savings by preventing the expense workers having to handle them.

If you have any questions please feel free to contact me.

Mark Stipano, CIH, CSP  
CSEA Industrial Hygiene Specialist  
Ph: (800)-342-4146 ext. 1466  
Fax: (518)-434-0867

Please note new e-mail address: [mark.stipano@cseainc.org](mailto:mark.stipano@cseainc.org)

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**From:** g. m. [REDACTED]  
**Sent:** Friday, December 10, 2010 5:01 PM  
**To:** GreenEO4  
**Subject:** Chemical avoidance purchase policy

I am writing in strong support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."

It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products

This policy will ultimately help to better protect the citizens of New York State and the state's environment .

Thank you

G. M. [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Saturday, December 11, 2010 12:48 PM  
**To:** GreenEO4  
**Subject:** support memo

Dear Office of General Services,

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

Joan Sheehan, President Capital Region Action Against Breast Cancer [REDACTED]  
[REDACTED]

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**From:** Laura Weinberg [REDACTED]  
**Sent:** Sunday, December 12, 2010 2:01 PM  
**To:** GreenEO4  
**Subject:** Green EO4 Recommendation of considered chemicals

Dear Office of General Services,

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

We thank you for your time and urge you to incorporate this consideration list of chemicals as part of the EO4 policy.

Sincerely,

Laura Weinberg  
President, Great Neck Breast Cancer Coalition  
Great Neck, New York

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**From:** K. W. [REDACTED]  
**Sent:** Sunday, December 12, 2010 2:48 PM  
**To:** GreenEO4  
**Subject:** Consideration of Chemicals in the Development of Green Specifications

*Dear Members of the Office of General Services (OGS)*

*We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

*We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.*

*This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."*

*New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.*

*The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.*

*We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.*

*Sincerely,*

K. W. [REDACTED]

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**From:** E. P. [REDACTED]  
**Sent:** Sunday, December 12, 2010 3:31 PM  
**To:** GreenEO4  
**Subject:** Support of the Recommendation

*Dear Members of the Office of General Services (OGS)*

*We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

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*We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.*

*Sincerely,*

*E. [REDACTED] P. [REDACTED]*

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**From:** M. R. [REDACTED]  
**Sent:** Sunday, December 12, 2010 5:59 PM  
**To:** GreenEO4  
**Subject:** Consideration of Chemicals in the Development of Green Specifications

*Dear Members of the Office of General Services (OGS)*

*We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

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*We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.*

*Sincerely,*

M. R. [REDACTED]

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**From:** J. S. [REDACTED]  
**Sent:** Sunday, December 12, 2010 6:02 PM  
**To:** GreenEO4  
**Subject:** "Consideration of Chemicals in the Development of Green Specifications."

*Dear Members of the Office of General Services (OGS)*

*I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

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We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.

Sincerely,



Chemical	Concern	List	Products/Ingredients
1,2-Dichloroethane	RA	NTP	Adhesives, building supplies <sup>✖</sup>
1,2,3, Trichloropropane	RA	NTP	Chemical solvent <sup>✖</sup>
1,2,4-Trichlorobenzene	PBT	EPA	Degreasers, lubricants, solvents <sup>†</sup>
1,2,4,5-Tetrachlorobenzene	PBT	EPA	Intermediate to make pesticides <sup>†</sup>
1,3 Dichloropropene	RA	NTP	Pesticide <sup>✖</sup>
1,4 Dioxane	RA	NTP	Varnish stripper, by-product of surfactants <sup>✖</sup>
1,4-Dichlorobenzene (para-dichlorobenzene)	RA	NTP	Urinal blocks, deodorizers <sup>✖</sup>
2,2 bis(Bromoethyl) 1,3 propanediol	RA	NTP	Flame retardant <sup>✖</sup>
2,3 Dibromo-1-propanol	RA	NTP	Polyurethane foam <sup>✖</sup>
2,3,7,8-Tetrachlorodibenzo-p-dioxin	KHC	NTP	Chlorine-bleached paper products <sup>✖</sup>
2,4,5-Trichlorophenol	PBT	EPA	Fungicide, herbicide <sup>†</sup>
3-Chloro-2-methylpropene	RA	NTP	Pesticide <sup>✖</sup>
4-Bromophenyl phenyl ether	PBT	EPA	Former flame retardant <sup>†</sup>
Acenaphthene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Acenaphthylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Acetaldehyde	KHC	NTP	Adhesives <sup>✖</sup>
Amitrole	RA	NTP	Pesticide <sup>✖</sup>
Arsenic compounds, Inorganic	KHC	NTP	Wood preservative, treated wood <sup>✖</sup>
Asbestos	KHC	NTP	Roofing shingles, siding <sup>✖</sup>
Benzene	KHC	NTP	Contaminant of solvents <sup>✖</sup>
Benzo (g,h,i) perylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>

Leryllium and beryllium compounds	KHC	NTP	Cell phones <sup>¥</sup>
Bis (Chloromethyl) Ether, Technical Grade Chloromethyl Methyl Ether	KHC	NTP	Cleaning products <sup>¥</sup>
Bisphenol A		EPA CAP	Bottles, food packaging <sup>Δ</sup>
Cadmium and cadmium compounds	KHC, PBT	EPA, NTP	Pigments, batteries, plastics, products containing fly ash, stabilizer for PVC <sup>¥†</sup>
Carbon tetrachloride	RA	NTP	Cleaning solvent, adhesive, adhesive remover <sup>¥</sup>
Ceramic fibers	RA	NTP	Fiber board insulation <sup>¥</sup>
Chloroprene	RA	NTP	Glues, adhesives <sup>¥</sup>
Chromium, hexavalent	KHC	NTP	Contaminant, possibly in leather <sup>¥</sup>
Coal tar and pitches	KHC	NTP	Road patching and paving material, roofing material <sup>¥</sup>
Di(2-ethylhexyl) phthalate (DEHP)	RA	NTP	PVC building supplies, office supplies <sup>¥</sup>
Dibenzofuran	PBT	EPA	Coal tar-based products, products containing fly ash, coke dust <sup>†</sup>
Dichloromethane (Methylene chloride)	RA	NTP	Graffiti removers, paint strippers, lubricants <sup>¥</sup>
Diesel exhaust particulates	RA	NTP	Buses, trucks, power generators <sup>¥</sup>
Diethyl Sulfate	RA	NTP	Carbonless paper <sup>¥</sup>
Dioxins and furans (polychlorinated)	PBT	EPA	Generated from the manufacture and incineration of chlorinated paper products, solvents, pesticides, plastics <sup>†</sup>
Endosulfan	PBT	EPA	Insecticide, wood preservative (not made in the U.S.) <sup>†</sup>
Ethylene dichloride (1,2 Dichloroethane)	RA	NTP	Adhesives, caulking <sup>¥</sup>
Ethylene oxide	KHC	NTP	Hospital-grade sterilant, fungicide <sup>¥</sup>
Fluorene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Formaldehyde gas	RA	NTP	Carpet, tile, glues, adhesives, caulking, particle board, furniture <sup>¥</sup>
Furan	RA	NTP	Wood preservative, asphalt and patching material, roofing patch, resins <sup>¥</sup>
Glass Wool	RA	NTP	Thermal, electrical and acoustical insulation <sup>¥</sup>
Heptachlor; heptachlor epoxide	PBT	EPA	Banned pesticide <sup>†</sup>
Hexachlorobenzene	PBT, RA	EPA, NTP	Banned pesticide, contaminant of products containing chlorinated organics <sup>¥†</sup>
Hexachlorobutadiene	PBT	EPA	Contaminant in the manufacture of rubber <sup>†</sup>
Hexachlorocyclohexane, gamma (Lindane)	PBT	EPA	Pesticide used to control lice and scabies in humans and animals <sup>†</sup>
Hexachloroethane	PBT, RA	EPA, NTP	Artificial smoke, munitions, lubricants, byproduct of incineration of chlorinated products <sup>¥†</sup>
Hexamethylphosphoramide	RA	NTP	Rodenticide <sup>¥</sup>
Lead and lead compounds	PBT, RA	EPA, NTP	Batteries, light bulbs, appliances, computers, products containing fly ash, cell phones, other electronics, PVC (pigment/stabilizer) <sup>¥†</sup>
Permethrin and other hexachlorocyclohexane Isomers	RA	NTP	Pesticide used to control lice and scabies in humans and animals <sup>¥</sup>
Mercury	PBT	EPA	Light bulbs, appliances, computers, products containing fly ash, thermometers, thermostats <sup>†</sup>

Methoxychlor	PBT	EPA	Insecticide <sup>†</sup>
Methylene Chloride	RA	NTP	Chemical solvent, paint stripper, printing inks, automotive degreasing <sup>‡</sup>
Mineral oils (untreated and mildly treated)	KHC	NTP	Lubricants <sup>‡</sup>
Naphthalene	PBT, RA	EPA, NTP	Mothballs, dyes, leather goods, insecticides, wood preservatives, coal tar-based products <sup>‡†</sup>
Nickel (metallic)	RA	NTP	Batteries <sup>‡</sup>
Nickel compounds	KHC	NTP	Electroplated items <sup>‡</sup>
Nitromethane	RA	NTP	Chemical solvent <sup>‡</sup>
Nitropropane	RA	NTP	Solvent for inks, paints and varnishes <sup>‡</sup>
Nitrosodimethylamine	RA	NTP	Control of nematodes <sup>‡</sup>
PBDEs (octa, penta and deca)		EPA CAP	Furniture, carpeting, computers, other electrical equipment <sup>Δ</sup>
Pendimethalin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Pentachlorobenzene	PBT	EPA	Fire retardant, used to make the fungicide pentachloronitrobenzene (PCNB) <sup>†</sup>
Pentachloronitrobenzene	PBT	EPA	Fungicide (used as lawn chemical and to prevent slime in industrial water tanks) <sup>†</sup>
Pentachlorophenol	PBT	EPA	Wood preservative used on power line poles, railroad tracks, fences <sup>†</sup>
PFOS and PFOA		EPA CAP	Fabrics, paper, cookware, electronics, floor polishes <sup>Δ</sup>
Phenanthrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Polybrominated biphenyls (PBBs)	RA	NTP	Brominated flame retardant banned in the U.S. in the 1970s. May still be in imported products. <sup>‡</sup>
Polychlorinated biphenyls (PCBs)	RA, PBT	NTP, EPA	Banned in the U.S. but may still be contaminant of some manufacturing processes. <sup>‡†</sup>
Polycyclic aromatic hydrocarbons (PAHs)	PBT, RA	EPA, NTP	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>‡†</sup>
Propylene oxide	RA	NTP	Glues, adhesives, caulking <sup>‡</sup>
Pyrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Selenium sulfide	RA	NTP	Fungicide <sup>‡</sup>
Silica, Crystalline (respirable size)	KHC	NTP	Paint, primers, cleaning products <sup>‡</sup>
Tetrachloroethylene (Perchloroethylene)	RA	NTP	Solvents (including dry cleaning), degreasers, graffiti removers, paint strippers, lubricants <sup>‡</sup>
Tetrafluoroethylene	RA	NTP	Used in the production of Teflon <sup>‡</sup>
Toluene Diisocyanate	RA	NTP	Floor and wood finishes <sup>‡</sup>
Trichloroethylene	RA	NTP	Solvents, degreasers, graffiti removers, paint strippers, lubricants, carpet and upholstery cleaners <sup>‡</sup>
Trifluralin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Tris (2,3 Dibromopropyl) phosphate	RA	NTP	Flame retardant found in upholstery <sup>‡</sup>
Urethane	RA	NTP	Sealants <sup>‡</sup>
Vinyl chloride	KHC	NTP	Siding, piping, roofing, carpet, wall paper, shower curtains <sup>‡</sup>

Vinyl fluoride	RA	NTP	Wall, pipe and electrical covering*
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**Legend:**

KHC = Known Human Carcinogen, RA = Reasonably Anticipated to be a Human Carcinogen, PBT = Persistent Bio-accumulative Toxin

EPA = EPA Waste Minimization Priority, EPA CAP = EPA Chemical Action Plans, NTP = National Toxicology Program 11th Report

† = from EPA Waste Minimization Priority Fact Sheet, Δ = from EPA Chemical Action Plan, ¥ = from NTP Substance Profile and/or NTP Report on Carcinogens Background Document

*This list was prepared for the consideration of the EO 4 Procurement Subcommittee by members of the EO4 Advisory Council.*

revised 11/30/10

**From:** Amos Weinberg [amos@amoslegal.com]  
**Sent:** Monday, December 13, 2010 10:42 AM  
**To:** GreenEO4  
**Subject:** Letter

ADMITTED NEW YORK  
STATE, 1978  
MEMBER, NEW YORK,  
QUEENS AND NASSAU  
COUNTY BAR  
ASSOCIATIONS

**AMOS WEINBERG  
ATTORNEY AT LAW**

49 Somerset Drive South  
Great Neck NY 11020-1821  
Email: [aw@awLaw.US](mailto:aw@awLaw.US)  
Ph: 516-829-3900 Fax 829-3915

**WEB SITE:**  
AMOSLEGAL.COM

**NO SERVICE BY  
FAX**

December 13, 2010

*Dear Members of the Office of General Services (OGS)*

*We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."*

*This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.*

*We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.*

*This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."*

*New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.*

*The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.*

*We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.*

Sincerely,

Enclosed

---

**From:** [REDACTED]  
**Sent:** Monday, December 13, 2010 11:57 AM  
**To:** GreenEO4  
**Subject:** the Environmental

Dear Members of the Office of General Services (OGS):

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."

This policy will ultimately help to better protect the health of citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

We urge you to make the list of 85 chemicals being considered as part of the Green Procurement EO4 policy.

Sincerely,

---

**From:** Zwickel, Howard  
**Sent:** Tuesday, December 14, 2010 9:27 AM  
**To:** Roth, Jaime  
**Subject:** FW: Letter Re: Chemical Avoidance List  
**Attachments:** Brush Wellman NY EO4 Letter 11.22.10.pdf

---

**From:** Diane Schumacher [<mailto:diane@schumacherpartners.com>]  
**Sent:** Monday, November 22, 2010 3:26 PM  
**To:** Zwickel, Howard  
**Subject:** Letter Re: Chemical Avoidance List

Dear Mr. Zwickel:

We understand the EO4 Interagency Committee will be meeting tomorrow to consider recommendations regarding a green procurement chemical avoidance list. On behalf of Brush Wellman Inc., the free world's only fully-integrated beryllium supplier, I am respectfully submitting the enclosed comments for your information.

Thank you for your consideration.

Diane Schumacher

-----  
Diane L. Schumacher  
For Brush Wellman Inc.

-----  
Diane L. Schumacher  
Managing Director  
Schumacher Partners International, LLC  
1129 20th Street, NW, Suite 300  
Washington, DC 20036  
202.626.8538 - office  
571.243.6074 - cell

November 22, 2010

Memorandum in Opposition

**Re: EO4 - Recommendation to adopt a list of chemicals to avoid in products purchased by New York State ("Green Procurement Chemical Avoidance List").**

We are aware of a pending decision by the EO4 Interagency Committee to develop and adopt a chemicals avoidance list for products purchased by New York State. This would result in the avoidance of purchasing products containing certain substances. Beryllium is potentially one of the substances on the Green Procurement Chemical Avoidance List that would be avoided under the proposed State Green Procurement and Agency Sustainability Program.

Brush Wellman and its parent company Brush Engineered Materials (BEM) strongly opposes the adoption of such list and urges the Interagency Committee to reconsider the recommendations.

1. A Green Procurement Chemical Avoidance List threatens manufacturing jobs in New York. BEM has approximately 260 employees in the state of New York with manufacturing locations in Buffalo, Wheatfield and Brewster. BEM supplies worldwide markets with "Made in the USA" high-performance specialty metals and materials. Brush Wellman, a wholly-owned subsidiary of BEM is the only fully integrated supplier of beryllium, beryllium alloys and beryllia ceramic in the world. Adoption of a chemicals avoidance list will lead to deselection of products containing beryllium, which will severely impact the health of our company, the job security of our employees and the secure supply of beryllium for use by our country.
2. Neither the Interagency Committee nor the Procurement Subcommittee should regulate substances that do not pose an unreasonable risk to human health or the environment. Beryllium is a naturally occurring element that is found ubiquitously in soils. The most common form of beryllium in commerce is as a copper beryllium alloy used in electronics. This alloy does not pose a hazard to human health or the environment when managed in accordance with existing industry standards or federal and state requirements. Copper beryllium alloys typically contain less than 2% beryllium yet they provide important qualities in products and components for critical electronic industry applications, such as small springs, and connectors in cellular telephones, and connectors and shielding in computers. In its solid form and in finished parts, it presents no special health or environmental risks.

A procurement avoidance list containing beryllium will have unintended adverse consequences impacting other beryllium-containing technologies and applications. Besides its use in electronics, beryllium is a commercial material with many critical and important applications needed for medical diagnostic technology, telecommunications, energy development, efficiency, fusion, and other leading technology applications.

Of special note: Beryllium is used in mammography equipment for early breast cancer detection. It is this essential material that allows x-rays to pass through the windows and capture the life-saving pictures. In an October 12, 2010, letter to Ms. Anne Phillips, Lois Gibbs, Anne Rabe and the other signatories including representatives from the Great Neck and Huntington Breast Cancer Coalitions suggested including beryllium in a preliminary worksheet of chemicals to be avoided. This is a good example of how selecting a substance simply because it appears on another list (without a thorough understanding of uses, benefits and management of the material), can affect many worthwhile and life-saving applications.

In addition, beryllium is used in weapon and intelligence systems for national defense. Beryllium is the only material to be designated by the U.S. Department of Defense as both critical and strategic to the United States. A decision to list beryllium as a substance to be avoided in New York procurements will have an adverse ripple effect across many markets not just cell phones.

3. Adding beryllium to the Green Procurement Chemical Avoidance List is likely to reduce environmental protection in New York. The properties of copper beryllium enable the miniaturization of technology for electronics, which reduces energy consumption. The alloy also reduces the failure rate of critical connections in electronics thereby reducing the volume of solid waste from electronics that do not contain copper beryllium alloys. Deselecting copper beryllium-containing electronics in New York will result in more solid waste being generated and a waste of energy used to produce failed products and to manage premature end-of-life electronics.
4. The proposed Green Procurement Chemical Avoidance List will add further financial burdens on the shoulders of New York State taxpayers. If New York State were to opt out of purchasing electronics that contain tiny amounts of beryllium, it will needlessly waste millions of taxpayer's dollars by purchasing inferior electronic products. Additional negative economic repercussions would follow from generating more electronic waste with the associated increase in energy and labor costs to New York to transport, process, recover and recycle failed electronic equipment. It is difficult to see how a recommendation by the Interagency Committee or the Procurement Subcommittee to list beryllium will have anything other than a detrimental impact on both environment and taxpayers in New York.
5. Beryllium containing materials do not present an environmental or occupational hazard when recycled in electronic scrap or discarded in a landfill. A study conducted at United Recycling Inc. in Franklin Park, Illinois revealed no occupational exposure issues with copper beryllium during the processing of cell phone scrap. As noted by the Agency for Toxic Substances and Disease Registry (ATSDR) in its 2002 report, beryllium in soils, like aluminum, is very

immobile because of its tendency to adsorb onto clay surfaces. Thus, beryllium has not been found to migrate or leach through soils to contaminate groundwater.

6. The European Union (EU) Directive on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS) list does not contain beryllium. As part of a review of RoHS, the European Commission evaluated beryllium along with 44 other substances to make revisions to the list of substances covered by the RoHS Directive. The final report did not recommend including beryllium for restriction, and most recently, the European member states agreed not to add beryllium to the restricted list.
7. A worldwide beryllium workplace protection program exists for all who handle beryllium occupationally. As a world leader in beryllium production and technology, Brush Wellman strives to remain a leader in medical knowledge of beryllium and in the environmental, health and safety aspects of the material as well. For more than twelve years, the company has partnered with the National Institute for Occupational Safety and Health (NIOSH) to study beryllium exposures to workers and to develop safe practices to protect employees, customers and their downstream customers. NIOSH considers this public-private research partnership a model for advancing research to practice. An award-winning product stewardship program was developed from the collaborative research with NIOSH, which today guides users of beryllium materials to handle them safely.

Overall, we believe the Committee recommendation of developing a list is unnecessary and harmful to a broad group of businesses important to New York. Federal consumer protection and chemical regulations are already in place to address the safety of consumer products. Also, Congress is currently considering changes to the Toxic Substances Control Act. New York should not establish a separate regulatory scheme, which would punish New York industry prior to the conclusion of the federal deliberations.

Considering the delicate economic climate, now is not the time to do anything that would jeopardize manufacturing jobs in New York or a vital U.S. industry.

Beryllium is a both a strategic and critical material that provides countless benefits to our society. As the primary free world producer of the material, we respectfully ask that you revisit your recommendations.

Thank you for your consideration.

Sincerely,



Theodore L. Knudson, CIH  
Director, Product Stewardship

---

**From:** Zwickel, Howard  
**Sent:** Tuesday, December 14, 2010 9:29 AM  
**To:** Roth, Jaime  
**Subject:** FW: EO 4 Sustainability and Green Procurement Subcommittee

**From:** Gould, Ken [<mailto:ken.gould@owenscorning.com>]  
**Sent:** Monday, November 22, 2010 1:11 PM  
**To:** Phillips, Anne; Zwickel, Howard  
**Cc:** Gould, Ken; [Steve.Rosario@americanchemistry.com](mailto:Steve.Rosario@americanchemistry.com); Schanze, Chris; Angus Crane (Angus Crane)  
**Subject:** EO 4 Sustainability and Green Procurement Subcommittee

I am writing on behalf of Owens Corning, a major employer in the State of New York and manufacturer of fiber glass insulation at its plant located in Delmar, New York. Owens Corning has just become aware of the meeting of the EO 4 Sustainability and Green Procurement Subcommittee that is scheduled for tomorrow. Our industry has been generally following the Committee's activities through its trade association. Given the Thanksgiving holidays, vacations and the short notice for this meeting it will not be possible for our industry to fully understand the proposal in its current form or to provide comments prior to that meeting. We are concerned that your committee's actions may result in precluding the use of fiber glass insulation. Such a result would have an adverse effect not only on our industry and our Delmar Plant but also on initiatives to reduce energy consumption and associated green house gas emissions. Insulation is the most cost effective and immediate way to achieve reductions in the emission of green house gases. Fiber glass insulation accounts for approximately 80% of the insulation market. If your actions preclude the use of fiber glass insulation to reduce emissions of green house gases, it will delay achieving desired reductions in those emissions and make it more costly to do so. As such, our industry would appreciate an opportunity to better understand the proposal that is before your committee and to respond to it in a meaningful way.

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Translations available: <http://www.owenscorning.com/emailfooter.html>

**From:** [REDACTED]  
**Sent:** Tuesday, December 14, 2010 1:02 PM  
**To:** GreenEO4  
**Subject:** Fw: We Need Your Help!

To Whom it Concerns,

I full support the adoption of the recommendations in the document entitled "Consideration of Chemicals in the Development of Green Specifications" for use in the procurement of products and services for the State. I am very concerned about human health, toxins and pollution, and I feel that the state shuld adopt the recommendations made in this document.

Sincerely yours,

H [REDACTED]

H [REDACTED]

----- Forwarded by [REDACTED] on 12/14/10 12:59 PM -----

### We Need Your Help!

Grassroots Environmental  
Education

12/14/10

To: [REDACTED]  
Please respond to gee

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*Science-driven. Solution-based.*



## GRASSROOTS Environmental Education

Dear friends of Grassroots,

New York State is on the threshold of a new era in the effort to reduce chemical toxins in our environment. Last month, an inter-agency committee voted to recommend the adoption of a document entitled "Consideration of Chemicals in the Development of Green Specifications" to use in the procurement of products and services for the State.

The list of chemicals, developed by a committee of advisors appointed by Governor Patterson pursuant to his Executive Order 4 (hence, the "EO4 Committee"), is based on lists developed by the National Toxicology Program (a program of the Federal Department of Health and Human Services) and the Chemicals of Concern list developed by the Environmental Protection Agency. Three additional chemicals from EPA's "Chemical Action Plan" have been added to the list, including BPA, PBDEs and PFOAs.

It is extremely important that the NYS Office of General Services hear from groups and individuals during a public comment period that will end on December 23rd.

Here are some key points to consider:

- Adoption of the list will reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.
- Adoption of the list will promote growth in the green economy, creating jobs and sparking innovation.
- Adoption of the list will provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services.

If you would like to show your support of this groundbreaking effort, please e-mail or send a letter of support to an address below. Once again, this public comment period ends on December 23rd, and we are hoping to have a final vote before the year ends.

To view the statement of the EO4 Committee, go to  
<http://www.ogs.state.ny.us/EO/4/docs/TentativelyApproved.pdf>

To view the list itself, go to <http://www.ogs.state.ny.us/EO/4/docs/ExhF.pdf>

Send your comments electronically to [GreenEO4@ogs.state.ny.us](mailto:GreenEO4@ogs.state.ny.us), or by mail to:

OGS Acting Commissioner Carla Chiaro  
41st Floor  
Corning Tower  
Governor Nelson A. Rockefeller Empire State Plaza  
Albany NY 12242

We so appreciate your support.

Sincerely,

Patti Wood  
Executive Director  
Member, EO4 Advisory Council Member  
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Grassroots Environmental Education | 52 Main Street | Port Washington | NY | 11050

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**From:** M [REDACTED] W [REDACTED]  
**Sent:** Tuesday, December 14, 2010 3:10 PM  
**To:** GreenEO4  
**Subject:** please keep chemicals out of our state

To Whom It May concern at the NY Office of General Services,

Please take the list to keep chemicals out of our environment very seriously. When chemicals pollute the air, ground, and water the health of our people is compromised. As a teacher and a mother of 4 young children I am so concerned about the ill health effects of chemicals. There are so many alternatives to toxins and in fact, in our home on long island and at our school in old westbury we are completely chemical free when using cleaning agents, in lawn care, and personal health. We are healthier group of people b/c of it.

When you choose to eliminate chemicals from the work/ home environment, everyone benefits. Taxpayer dollars can be used more efficiently on things that improve our general help, not detract from it. More green jobs will be created, which our local economy desperately needs. Moreover it will be simple for employees and the general public for purchase the best chemical free choices out there.

Please adopt the chemical-free list that will improve the lives of all NY'ers.

Thank you for your time,  
M [REDACTED] W [REDACTED]

M [REDACTED] W [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** J [REDACTED] O [REDACTED]  
**Sent:** Tuesday, December 14, 2010 3:18 PM  
**To:** GreenEO4  
**Subject:** Executive Order 4

I am writing in support of the Executive Order 4 adoption of the document "Consideration of Chemicals in the Development of Green Specifications" to use in the procurement of products and services for the State.

Thank you,

[REDACTED] M [REDACTED]  
[REDACTED]

---

**From:** D. [REDACTED]  
**Sent:** Tuesday, December 14, 2010 4:01 PM  
**To:** GreenEO4  
**Subject:** Chemicals in the Development of Green Specifications

December 14, 2010

Dear Commissioner Chiaro,

I am requesting that the least toxic chemicals be used in the procurement of products and services for the State .

Adoption of the list of chemicals as determined by the committee of advisors appointed by Governor Patterson pursuant to his Executive Order 4 (hence, the "EO4 Committee"), and EPA will:

1. Reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.
2. Promote growth in the green economy, creating jobs and sparking innovation.
3. Provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services.

Sincerely,

Dr. D. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Tuesday, December 14, 2010 4:18 PM  
**To:** GreenEO4  
**Subject:** "Consideration of Chemicals in the Development of Green Specifications"

Dear Sir/Madam;

I join in and support efforts to reduce the pollutants and contaminants in our environment. I am aware that a list of these is under consideration by the legislature and reiterate and support several reasons it makes sense to act on this important initiative:

"Consideration of Chemicals in the Development of Green Specifications"

Adoption of the list will reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.

Adoption of the list will promote growth in the green economy, creating jobs and sparking innovation.

Adoption of the list will provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services

With thanks for your time and attention,

B. R.

---

**From:** L. K. [REDACTED]  
**Sent:** Tuesday, December 14, 2010 5:55 PM  
**To:** GreenEO4  
**Subject:** Green Specs

Pls adopt Consideration of Chemicals in the Development of Green Specifications as it is vitally important for municipalities to know what they're buying and using (or not) and can save taxpayers AND the environment funds and reduction of toxicity to our soil and water table.

It is essential to our human safety.

Thank you,

K. L. [REDACTED]

---

**From:** [REDACTED]  
**Sent:** Tuesday, December 14, 2010 11:08 PM  
**To:** GreenEO4  
**Subject:** "Consideration of Chemicals in the Development of Green Specifications"

I support the adoption of inter-agency committee recommendation entitled "Consideration of Chemicals in the Development of Green Specifications" to be used in the procurement of products and services for the State. I have seen the young daughters of two friends suffer from cancer and believe that our overuse of chemicals in our homes, on our lawns and in public places impacts the health of children and adults.

Thank you for your consideration of this matter.

J [REDACTED] A [REDACTED]  
New Rochelle, NY

---

**From:** D [REDACTED] W [REDACTED]  
**Sent:** Wednesday, December 15, 2010 8:28 AM  
**To:** GreenEO4  
**Subject:** Executive Order 4

Dear Acting Commissioner Chiaro,

I am writing in support of the Executive Order 4 adoption of the document "Consideration of Chemicals in the Development of Green Specifications" to use in the procurement of products and services for the State.

It is critically important that we start being proactive in our approach to toxic chemicals and avoid exposures wherever it is possible. This step would move us along that path.

Sincerely,

Katie Weisman

Director of Communications and Public Policy

Coalition for SafeMinds

[www.safeminds.org](http://www.safeminds.org)

---

**From:** [REDACTED]  
**Sent:** Wednesday, December 15, 2010 10:56 AM  
**To:** GreenEO4  
**Subject:** EO 4 Effort to Reduce Environmental Toxins

Dear Sirs;

**I strongly urge NY State to adopt** the guidelines for procuring chemicals for use as outlined in **the document "Consideration of Chemicals in the Development of Green Specifications"** developed by HHS, the EPA and the EO 4, the committee appointed by NYS Governor Patterson to address this vital concern.

- Adoption of the list will reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.
- Adoption of the list will promote growth in the green economy, creating jobs and sparking innovation.
- Adoption of the list will provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services.

By adopting these guidelines, New York State will usher in a new era in the effort to reduce chemical toxins in our environment.

Yours truly,

M. Z. [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** Carpenter, David O [Carpent@uamail.albany.edu]  
**Sent:** Thursday, December 16, 2010 8:07 AM  
**To:** GreenEO4  
**Subject:** FW: Chemicals of Concern in Products  
**Attachments:** OGS.doc

Please find attached my letter in support of the subject recommendation. Thank you for your consideration.

David O. Carpenter, M.D.  
Director, Institute for Health and the Environment  
University at Albany  
Rensselaer, NY 12144  
518-525-2660 (phone)  
518-525-2665 (FAX)  
Email: [carpent@uamail.albany.edu](mailto:carpent@uamail.albany.edu)

10 December 2010

Dear Office of General Services,

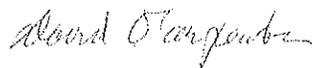
I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive policy based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Yours sincerely,



David O. Carpenter, M.D.  
Director, Institute for Health and the Environment  
University at Albany

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**From:** Tracy Basile [REDACTED]  
**Sent:** Thursday, December 16, 2010 12:42 PM  
**To:** GreenEO4  
**Subject:** support chemical list

As a professor of Environmental Studies at Pace University I ask you to support and adopt the report concerning toxic chemicals and their use in New York State – “Consideration of Chemicals in Development of Green Specifications” to use in the procurement of products and services for the State. This is a huge step in the right direction. It’s smart. It’s based on science for the public welfare. Please give it your full consideration and do what is best for all of New York State.

Sincerely,  
Professor Tracy Basile  
Pace University  
Environmental Studies  
Pleasantville NY

[REDACTED]  
[REDACTED]

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**From:** Jeanne P. [REDACTED]-P. [REDACTED]  
**Sent:** Friday, December 17, 2010 2:11 PM  
**To:** GreenEO4  
**Subject:** Adoption of the list of chemicals

We support the adoption of the list, and the addition of these chemicals to the list.

Jeanne P. [REDACTED] and C. [REDACTED] P. [REDACTED]

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**From:** J [REDACTED] P [REDACTED]  
**Sent:** Friday, December 17, 2010 2:12 PM  
**To:** GreenEO4  
**Subject:** Executive order number four

We support the executive order number four. Please include the additional chemicals to the list.  
The Piluso Foundation

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**From:** S [REDACTED] S [REDACTED] [REDACTED]  
**Sent:** Sunday, December 19, 2010 5:28 PM  
**To:** GreenEO4  
**Subject:** Pine Bush preservation

Dear Office of General Services,

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

S [REDACTED] S [REDACTED]

#### RECOMMENDATION

Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement Consideration of Chemicals in the Development of Green Specifications

Executive Order No. 4 (EO 4) charges the Interagency Committee on Sustainability and Green Procurement with the development of green procurement specifications for use by state agencies and public authorities. When choosing priority categories and developing green specifications, EO 4 directs the Committee to consider, among other factors, commodities, services and technology that reduce or

eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production. The primary purpose of identifying chemicals to be aware of in green procurement is to assist the Interagency Committee on Sustainability and Green Procurement ("Committee") in meeting the goals of EO 4. An added benefit is informing the market of chemicals to be aware of in green procurement.

The federal government has identified chemicals that pose potential harm to human health and the environment. See current U.S. Environmental Protection Agency (EPA) Waste Minimization Priority List (<http://www.epa.gov/osw/hazard/wastemin/priority.htm>), and U.S. Department of Health and Human Services National Toxicology Program, current Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens (<http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932>). In addition, pursuant to the federal Toxic Substances Control Act (TSCA), certain chemicals of concern have been identified by the EPA in Action Plans that outline the risks that each chemical may present and identify specific actions EPA will be taking. (<http://www.epa.gov/oppt/existingchemicals/pubs/ecactionpln.html>).

In accordance with its practice since EO 4 was signed, the Committee shall continue to consider chemicals that pose potential health and environmental impacts, including, but not limited to, chemicals identified in the above sources, when developing green procurement specifications and evaluating existing standards and certification programs. The Committee may, depending on available resources, consider additional information that can be obtained with reasonable effort.

The identification of chemicals to consider in green procurement should not be construed as a ban on the purchase of commodities, services or technology containing and/or using such chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies (e.g., mercury in fluorescent lamps).

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From: G [REDACTED] M [REDACTED]  
Sent: Sunday, December 19, 2010 9:28 PM  
To: GreenEO4  
Subject: EO4 Chemical List

OGS Acting Commissioner Carla Chiaro  
41st Floor  
Corning Tower  
Governor Nelson A. Rockefeller Empire State Plaza  
Albany NY 12242

Dear Commissioner,

New York State is on the threshold of a new era in the effort to reduce chemical toxins in our environment. Last month, an inter-agency committee voted to recommend the adoption of a document entitled "Consideration of Chemicals in the Development of Green Specifications" to use in the procurement of products and services for the State.

The list of chemicals, developed by a committee of advisors appointed by Governor Patterson pursuant to his Executive Order 4, is based on lists developed by the National Toxicology Program (a program of the Federal Department of Health and Human Services) and the Chemicals of Concern list developed by the Environmental Protection Agency. Three additional chemicals from EPA's "Chemical Action Plan" have been added to the list, including BPA, PBDEs and PFOAs.

This is an important document which has my full support!

- Adoption of the list will reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.
- Adoption of the list will promote growth in the green economy, creating jobs and sparking innovation.
- Adoption of the list will provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services.

Please ensure this moves forward without delay!

Regards,

-mg-

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M. G. [REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** Wendy Hord [whord@nysutmail.org]  
**Sent:** Monday, December 20, 2010 12:27 PM  
**To:** GreenEO4  
**Subject:** Support for NYS Chemical Avoidance Purchasing Proposal  
**Importance:** High

I am writing on behalf of NYSUT to support the recommendation of the Interagency Committee on Sustainability and Green Procurement titled "Consideration of Chemicals in the Development of Green Specifications".

The recommendation is based on the guiding principles outlined in EO 4 and NYSUT supports including all the chemicals identified in the recommendation. It would fulfill the goals of the executive order such as eliminating or minimizing health and environmental risks for the use or release of toxic substances, environmental discharge of pollutants and toxicity of packaging. Those goals help meet the most important aim of EO 4: protecting public health and the environment, particularly for children.

New York should join other states that have already acted to implement green purchasing programs, such as our neighbors Massachusetts and New Jersey. It makes sense from a public health, environmental and economic perspective. We also cannot discount the tremendous role government plays in driving market change. For example, we believe that New York's school green cleaning law has resulted in greater selection of less toxic cleaning products. Implementing the Recommendation for EO 4 will further push industry towards innovation and production of more products that are less toxic and effective.

Kathleen Donahue  
Vice President  
NYSUT  
800 Troy-Schenectady Road  
Latham, NY 12110  
518-213-6000

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**From:** C [REDACTED] C [REDACTED]  
**Sent:** Tuesday, December 21, 2010 9:42 AM  
**To:** GreenEO4  
**Subject:** Consideration of Chemicals in the Development of Green Specifications.

Dear Office of General Services,

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

C [REDACTED] C [REDACTED]

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From: [REDACTED]  
Sent: Tuesday, December 21, 2010 4:37 PM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

j [REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** D. I. [REDACTED]  
**Sent:** Tuesday, December 21, 2010 4:41 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

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It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

D. I. [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Tuesday, December 21, 2010 4:42 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

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It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

[REDACTED]  
[REDACTED]  
[REDACTED]

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From: C. E. [REDACTED]  
Sent: Tuesday, December 21, 2010 4:54 PM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

C. E. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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From: S B [REDACTED]  
Sent: Tuesday, December 21, 2010 5:11 PM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

S B [REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** N. B. [REDACTED]  
**Sent:** Tuesday, December 21, 2010 5:30 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens; List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

N. B. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** K [REDACTED] C [REDACTED]  
**Sent:** Tuesday, December 21, 2010 5:30 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

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It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

K [REDACTED] C [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** A [REDACTED] L [REDACTED]  
**Sent:** Tuesday, December 21, 2010 6:06 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

A [REDACTED] L [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** K. B. [REDACTED]  
**Sent:** Tuesday, December 21, 2010 6:22 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

K. B. [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** S [REDACTED]  
**Sent:** Tuesday, December 21, 2010 6:29 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

S [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** C [REDACTED] C [REDACTED]  
**Sent:** Tuesday, December 21, 2010 6:41 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

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It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, and a VOTER I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

C [REDACTED] C [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** C [REDACTED] R [REDACTED]  
**Sent:** Tuesday, December 21, 2010 7:17 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

C [REDACTED] R [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** M. M. [REDACTED]  
**Sent:** Tuesday, December 21, 2010 7:27 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

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This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

M. M. [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** C [REDACTED] C [REDACTED]  
**Sent:** Tuesday, December 21, 2010 7:29 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

C [REDACTED] C [REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** A. R. [REDACTED]  
**Sent:** Tuesday, December 21, 2010 8:29 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

A. R. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** p [REDACTED]  
**Sent:** Tuesday, December 21, 2010 9:08 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

p [REDACTED]  
[REDACTED]  
[REDACTED]

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From: k [REDACTED]  
Sent: Tuesday, December 21, 2010 9:11 PM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

k [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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**From:** A [REDACTED] T [REDACTED]  
**Sent:** Tuesday, December 21, 2010 11:43 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

A [REDACTED] T [REDACTED]  
[REDACTED]  
[REDACTED]

---

From: M. J. K.  
Sent: Wednesday, December 22, 2010 12:20 AM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

M. J. K.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**From:** g [redacted]  
**Sent:** Wednesday, December 22, 2010 4:26 AM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

g [redacted]  
[redacted]  
[redacted]

---

**From:** J L [REDACTED]  
**Sent:** Wednesday, December 22, 2010 8:43 AM  
**To:** GreenEO4

To whom it may concern,

I was extremely excited to learn that New York State is on the threshold of a new era in the effort to reduce chemical toxins in our environment, and that an interagency committee voted to recommend the adoption of a document entitled "Consideration of Chemicals in the Development of Green Specifications" to use in the procurement of products and services for the State.

I am the parent of young children, and I will do anything to protect the health and wellbeing of my children, and any greater awareness of chemicals in products and the environment will help assure that.

Please know that I am fully in support of your efforts!

Sincerely,

J L [REDACTED]

---

**From:** H [REDACTED] C [REDACTED]  
**Sent:** Wednesday, December 22, 2010 9:16 AM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

H [REDACTED] C [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** B. H. [REDACTED]  
**Sent:** Wednesday, December 22, 2010 9:56 AM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

B. H. [REDACTED]  
[REDACTED]  
[REDACTED]

---

From: J [REDACTED] S [REDACTED]  
Sent: Wednesday, December 22, 2010 10:40 AM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

J [REDACTED] S [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

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From: [REDACTED]  
Sent: Wednesday, December 22, 2010 11:28 AM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

[REDACTED]  
[REDACTED]  
[REDACTED]

---

From: D. [REDACTED]  
Sent: Wednesday, December 22, 2010 2:19 PM  
To: GreenEO4  
Subject: Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

D. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** Anne Rabe [REDACTED]  
**Sent:** Wednesday, December 22, 2010 2:48 PM  
**To:** GreenEO4  
**Subject:** Comments on Chemicals Recommendation

Dear Office of General Services,

Our organizations are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect New Yorkers, as well as our environment, waterways and drinking water supplies.

This recommendation is a prevention-oriented policy based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products. We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is also based on the guiding principles outlined in EO 4. Also, New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

Lois Marie Gibbs  
Executive Director  
Anne Rabe  
Campaign Coordinator  
**Center for Health, Environment & Justice**  
Falls Church, VA  
Albany, NY

John Bieger  
Chair  
**Buffalo AFL-CIO**  
**WNYCOSH Safety & Health Committee**  
Buffalo, NY  
Peter Anderson  
Executive Director  
**Center for a Competitive Waste Industry**  
Madison, WI

Barbara J. Warren  
**Citizens' Environmental Coalition**  
Albany, NY

Judy Braiman  
**Empire State Consumer Project**  
Rochester, NY

Tracy Frisch  
**Greenwich Citizens Committee, Inc.**  
Greenwich, NY

Carrie Firestone  
**Illion Project**  
Illion, NY

Dr. David Carpenter  
**Institute for Health & the Environment**  
Rensselaer, NY

Stephen Boese  
Executive Director  
**Learning Disabilities Association of New York State**  
Latham, NY

Jonathan Rosen  
Health & Safety Director  
**Public Employees Federation (PEF)**  
Albany, NY

Reverend Cathy Rieley-Goddard  
**Riverside-Salem United Church of Christ/Disciples of Christ**  
Buffalo, NY

Lynne Jackson  
Sally Cummings  
Tim Truscott  
Grace Nichols  
**Save the Pine Bush**  
Albany, NY

Ted Schettler MD, MPH  
**Science and Environmental Health Network**  
Ames, IA

William J. Pienta  
Director  
District 4  
**United Steelworkers**  
Cheektowaga, NY

Roger Cook  
Director  
**Western NY Council on Occupational Safety & Health**  
Buffalo, NY

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**From:** friends@hbcac.org  
**Sent:** Wednesday, December 22, 2010 3:22 PM  
**To:** GreenEO4  
**Subject:** Support for NYS Chemical Avoidance Purchasing Proposal  
**Attachments:** OGSsupportltr.jpg

Dear Members of the Office of General Services, attach please find Huntington Breast Cancer Action Coalition's letter supporting the recommendation titled "Consideration of Chemicals in the Development of Green Specifications."

Thank you.  
Karen Miller, President and Founder  
On behalf of Huntington Breast Cancer Action Coalition, Inc.



# Huntington Breast Cancer *Action* Coalition

a not-for-profit corporation

746 New York Avenue  
Huntington, NY 11743

Telephone: (631) 547-1518

Fax: (631) 547-1520

Email: friends@hbcac.org

Website: www.hbcac.org

December 17, 2010

Dear Office of General Services,

On behalf of the Huntington Breast Cancer Action Coalition, Inc., we are writing in support of the *Recommendation titled "Consideration of Chemicals in the Development of Green Specifications."* This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

Our coalition strongly supports the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

A handwritten signature in cursive script that reads 'Karen Miller'.

Karen Miller, president

---

**From:** Angus Crane [acrane@naima.org]  
**Sent:** Wednesday, December 22, 2010 4:27 PM  
**To:** GreenEO4  
**Subject:** NAIMA Comments on New York Executive Order No. 4, "Consideration of Chemicals in the Development of Green Specifications"  
**Attachments:** NAIMACommentsNYEO4ConsiderChemicalsInDevelopmentGreenSpecs122210.doc

Please find attached NAIMA's comments on the above-referenced matter.

Angus E. Crane  
Executive Vice President, General Counsel  
North American Insulation Manufacturers Association  
Ph: (703) 684-0084 ext. 123  
Fax: (703) 684-0427

Visit NAIMA online at:  
[www.NAIMA.org](http://www.NAIMA.org)  
[www.PipeInsulation.org](http://www.PipeInsulation.org)  
[www.SimplelyInsulate.com](http://www.SimplelyInsulate.com)



*Celebrating 75 Years  
of Energy Efficiency*



**VIA E-MAIL**

December 22, 2010

Ms. Jamie Roth  
New York Office of General Services  
41<sup>st</sup> Floor, Corning Tower  
Empire State Plaza  
Albany, NY 12242

RE: New York Executive Order No. 4, "Consideration of Chemicals in the  
Development of Green Specifications"

Dear Ms. Roth:

INTRODUCTION

The North American Insulation Manufacturers Association ("NAIMA") strongly objects to the creation of a list of materials, using others lists that are neither current nor contain up-to-date information, that has the potential to constitute a ban on those chemicals or substances from New York State funded projects. As described below, the National Toxicology Program ("NTP"), whose listing is used by the State, is about to complete its detailed scientific delisting process for fiber glass. NAIMA is the association of North American manufacturers of fiber glass, rock wool, and slag wool insulation products.

New York's proposed listing of 85-plus materials is particularly relevant to NAIMA and its members because glass wool (fiber glass insulation) is on the State's proposed list because it currently appears on the NTP's Report on Carcinogens ("RoC"), used by New York State as a basis for its list.

Moreover, fiber glass insulation is both widely used throughout the State of New York and manufactured in New York. Owens Corning operates a fiber glass insulation manufacturing plant in Delmar, New York, which provides hundreds of well-paying union jobs and economic growth for New York.

As the comments set forth below demonstrate, New York's reliance upon NTP's RoC is misplaced, particularly in the case of fiber glass, because NTP's listing does not reflect current scientific findings. Placing an energy efficient product on this list of substances to be banned ignores the tremendous benefit of the product and overlooks the current scientific finding on fiber glass insulation. Most important, New York's lack of public notice and absence of

stakeholder participation in the process is a violation of due process. NAIMA and its members seek a more fulsome opportunity to participate in a process that will allow the full scientific evidence on fiber glass to be considered.

#### THE NTP's RoC DOES NOT ALWAYS REFLECT THE MOST CURRENT SCIENCE

New York State has relied upon third party lists to create its own list of virtually banned substances and chemicals without determining whether these third party lists are currently accurate. For example, the NTP's RoC has a listing and delisting process. Before a blanket adoption of the RoC as a valid and accurate list, New York State should have evaluated which substances were undergoing NTP review and whether some substances were completely irrelevant because that chemical or substance is no longer produced or used in the United States. This process would have required a thorough evaluation rather than simply creating a list that is supposed to have credibility by combining or dumping together various lists.

Fiber glass should not be included because it is currently undergoing review through the NTP's delisting process.

Glass wool is currently listed on NTP's RoC. This listing was based on the International Agency for Research on Cancer's ("IARC") listing in 1988. Thus, the listing on NTP could result in a ban on fiber glass in New York because New York State has not assessed the accuracy of NTP's listing. This would be a disadvantage to the State. Consider the history of fiber glass insulation's product stewardship and the enormous benefits of energy efficiency and pollution reduction derived from the installation of these products to fully comprehend why banning these products would be an embarrassment to the State of New York.

Since its introduction into commerce nearly 75 years ago, fiber glass has become one of the world's most useful insulating materials, helping homeowners and industry increase energy efficiency, protect the environment, and reduce energy costs.

NAIMA and its member companies are committed to ensuring that fiber glass products can be safely manufactured, installed, and used. NAIMA's member companies have funded tens of millions of dollars of research at leading independent laboratories and universities in the United States and abroad. The weight of the scientific research shows no association between exposure to glass fibers and respiratory disease or cancer in humans.

The NTP delisting described below follows an international expert review by IARC in October 2001, which re-evaluated the 1988 IARC assessment of glass fibers and removed glass, rock and slag wool fibers from its list of substances "possibly carcinogenic to humans." The IARC experts in 2001 relied upon the large body of scientific data that had been developed following the 1988 IARC assessment. All fiber glass and rock and slag wools that are commonly used for thermal and acoustical insulation have been considered for almost a decade not classifiable as to carcinogenicity in humans (Group 3). IARC noted specifically:

Epidemiologic studies published during the 15 years since the previous IARC Monographs review of these fibres in 1988 provide no evidence of increased risks of lung cancer or mesothelioma (cancer of the lining of the body cavities) from occupational exposures during manufacture of these materials, and inadequate evidence overall of any cancer risk.

IARC retained its Group 3 classification for continuous glass filaments and the Group 2B "possible carcinogen" classification for certain special purpose glass fibers, which are about 1 percent of total glass wool fiber products and used by OEM manufacturers with established health and safety programs.

The IARC change is consistent with the conclusion reached by the U.S. National Academy of Sciences, which in 2000 found "no significant association between fiber exposure and lung cancer or nonmalignant respiratory disease in the MVF [man-made vitreous fiber] manufacturing environment."

IARC's comprehensive review of the extensive studies developed over the past 15 years indicates that some of the prior expert reviews now need to be updated. Many of these earlier reviews do not account for the new science. For example, the U.S. Department of Health and Human Services (HHS, Shalala 1994) included fiber glass on its list of possible carcinogens based primarily on the 1988 IARC classification.

The Agency for Toxic Substances and Disease Registry's ("ARSDR") Toxicological Profile for Synthetic Vitreous Fibers stated that "In 2002, the International Agency for Research on Cancer (IARC) considered all of the evidence regarding the possible carcinogenicity of synthetic vitreous fibers. Much of the evidence was collected in the 1990s and was not available for earlier assessments made by the U.S. Department of Health and Human Services (DHHS)."<sup>1</sup> Again, ATSDR noted "The U.S. Department of Health and Human Services, National Toxicology Program (NTP 1998, 2000, 2002) classified glass wool (respirable size) as *reasonably anticipated to be a human carcinogen*, based on sufficient evidence of carcinogenicity in experimental animals. This assessment was originally prepared in 1993-1994 for the 7<sup>th</sup> Report on Carcinogens (NTP 1994), but has not been updated since then in the 8<sup>th</sup>, 9<sup>th</sup>, or 10<sup>th</sup> Report on Carcinogens (NTP 1998, 2000, 2002)."<sup>2</sup>

Yet New York's draft regulation has no mechanism to determine the accuracy or timeliness of the very lists they seek to rely upon. New York's limited resources prevent the rapid change in classification of substances that should follow changes, such as IARC's delisting of fiber glass ten years ago or the imminent delisting decision by NTP.

In January 2002, NAIMA petitioned NTP to delist glass wool. The thorough NTP process resulted in the unanimous recommendation of the NTP's selected Expert Panel that glass wool

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<sup>1</sup> *Toxicological Profile for Synthetic Vitreous Fibers* (U.S. Department of Health and Human Services, Public Health Services, Agency for Toxic Substances and Disease Registry), September 2004, p. 7.

<sup>2</sup> *Ibid.* at p. 217.

should be delisted from the RoC (June 2009). In 2010, the NTP Board of Scientific Counselors and the NTP staff acknowledged that the majority of glass wool fibers were not carcinogens. The final NTP outcome will reflect this finding and is expected to be announced in the near future. For an immediate application of this process, New York State is not justified in adding glass wool to a list of substances that should be banned from use in New York funded projects.

#### NEW YORK SHOULD NOT FOREGO THE SIGNIFICANT BENEFITS OF FIBER GLASS INSULATION

Virtually all of NAIMA's members' products are used and sold in New York. Importantly, a NAIMA member, Owens Corning, provides well-paying union manufacturing jobs to the New York economy. Owens Corning operates a fiber glass building materials manufacturing facility in Delmar, New York. According to public sources, Owens Corning's Delmar facility employs an estimated 320 employees ([http://www.gmpiu.org/Horizons/2008/Feb08\\_Horizons.pdf](http://www.gmpiu.org/Horizons/2008/Feb08_Horizons.pdf)), most of whom are union members.

New York's manufacturing jobs are valuable. Fiber glass insulation is an important contributor to the New York economy, through direct manufacturing, shipment of finished product to markets within New York and other northeastern states, and export of product to foreign markets. It also supports insulation installers, is a critical material for the construction industry, is widely used by small businesses, and is a much-used material for do-it-yourself consumers. In addition, fiber glass insulation promotes energy efficiency, environmental preservation, and reduces pollutants, including greenhouse gases. Fiber glass is both the most thoroughly used and tested insulation product on the market. As the preferred product for more than 80 percent of the insulation market, its unavailability for New York funded projects would harm the State. The supplies of alternative insulating materials are not sufficient to supply the demands of the market. Moreover, many of these alternative products have not been tested and would not provide a preferable alternative to fiber glass.<sup>3</sup>

In balancing the need to protect and preserve New York's economy with its environmental goals, it is equally important for New York to weigh the significant environmental benefits offered by insulation products. Indeed, it is recognized that improving the energy efficiency of existing buildings can deliver the desired greenhouse gas reductions.<sup>4</sup> In 2008 testimony before the

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<sup>3</sup> J.M.G. Davis, "The need for standardized testing procedures for all products capable of liberating respirable fibres; the example of materials based on cellulose," *British Journal of Industrial Medicine* 1993; 50: 187-190, p. 188.

<sup>4</sup> Insulation does indeed reduce pollutants emitted into the atmosphere. Jonathan I. Levy, Yurika Nishioka and John D. Spengler, "The public health benefits of insulation retrofits in existing housing in the United States," *Environmental Health: A Global Access Science Source*, April 2003, pp.1-16 and Yurika Nishioka, Jonathan I. Levy, Gregory A. Norris, Andrew Wilson, Patrick Hofstetter, and John D. Spengler, "Integrating Risk Assessment and Life Cycle Assessment: A Case Study of Insulation," *Risk Analysis*, Vol. 22, No. 5, 2002, pp. 1003-1017. NAIMA has summarized the findings of these two studies in previous comments which demonstrated the dramatic correlation between the benefits of increased insulation and reduction of air emissions. These Harvard researchers stated that the "magnitude of the economic and public health benefits indicates that creative public policies to encourage" increased insulation "may be warranted." Jonathan I. Levy, Yurika Nishioka and John D. Spengler, "The public health benefits of insulation retrofits in existing housing in the United States," *Environmental Health: A*

Subcommittee on Energy and Air Quality of the Committee on Energy and Commerce of the U.S. House of Representatives, William Fay, Executive Director of the Energy Efficient Codes Coalition, stated that “homes and commercial buildings are this nation’s largest sector of energy use and – because of the close relationship between greenhouse gases and energy consumption – also the largest US source of anthropogenic greenhouse gases. Suffice it to say that buildings – and particularly residences – represent one of the last great frontiers of wasted energy.”<sup>5</sup>

Since homes and commercial buildings consume nearly one half of New York’s energy, these structures must become an integral part of any successful effort to improve energy efficiency. The U.S. Department of Energy, along with various other government and third party organizations, put installation of insulation at the top or in the top five suggestions for energy savings. To understand why, consider the following attributes of insulation and it is easier to understand why this existing technology offers so many advantages.

Energy efficiency is a resource. Indeed, insulation products are resources. In fact, energy efficiency, including insulation, has been deemed the greatest untapped resource available to address the current energy crisis and climate change.<sup>6</sup> Unlike other energy efficiency measures, such as energy efficient appliances or energy saving light bulbs, insulation, once installed, requires no additional energy to save energy.

Therefore, increasing energy efficiency through insulation is cost effective. In *The Ecology of Commerce*, Paul Hawken reported that “ceiling insulation and double glazed windows can produce more oil than the Arctic National Wildlife Refuge at its most optimistic projections; at about one-twentieth the cost, with four times the employment per unit of energy conserved versus the energy consumed by burning oil.”<sup>7</sup>

The U.S. Environmental Protection Agency (“EPA”) gives weight to cost effectiveness in identifying emissions reductions because a cost effective measure does not present the usual impediments to implementation of an action plan.<sup>8</sup> Rather, cost effective measures help meet goals and objectives expeditiously without overburdening budgets.<sup>9</sup> In focusing on the cost effectiveness of energy efficiency and specifically increased insulation, NAIMA strongly urges New York to not undermine itself by banning the most readily available and widely used insulation product.

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*Global Access Science Source*, April 2003, p.14. The Harvard researchers concluded that “[t]his approach allows us to quantify the benefits of energy efficiency on a national scale not seen before, which takes us far beyond energy savings and energy security. Now it is clear that improving energy efficiency not only helps us as a nation, but also has an immediate, positive impact on us, as individuals, and our families.” “Harvard Study Findings,” NAIMA-036, September 2003.

<sup>5</sup> Energy Efficient Codes Coalition, Testimony of William D. Fay Before the Subcommittee on Energy and Air Quality of the Committee on Energy and Commerce, U.S. House of Representatives, Thursday, July 17, 2008.

<sup>6</sup> “Transforming Energy Efficiency.” [www.duke-energy.com/docs/CGI-Fact-Sheet.doc](http://www.duke-energy.com/docs/CGI-Fact-Sheet.doc), September 27, 2007.

<sup>7</sup> Paul Hawken, *The Ecology of Commerce* (New York: Harper Business, 1993), p. 178.

<sup>8</sup> 70 Fed. Reg. 65,983, 66,007, 66,019, 66,020-24, 66,049, 66056, and 66059.

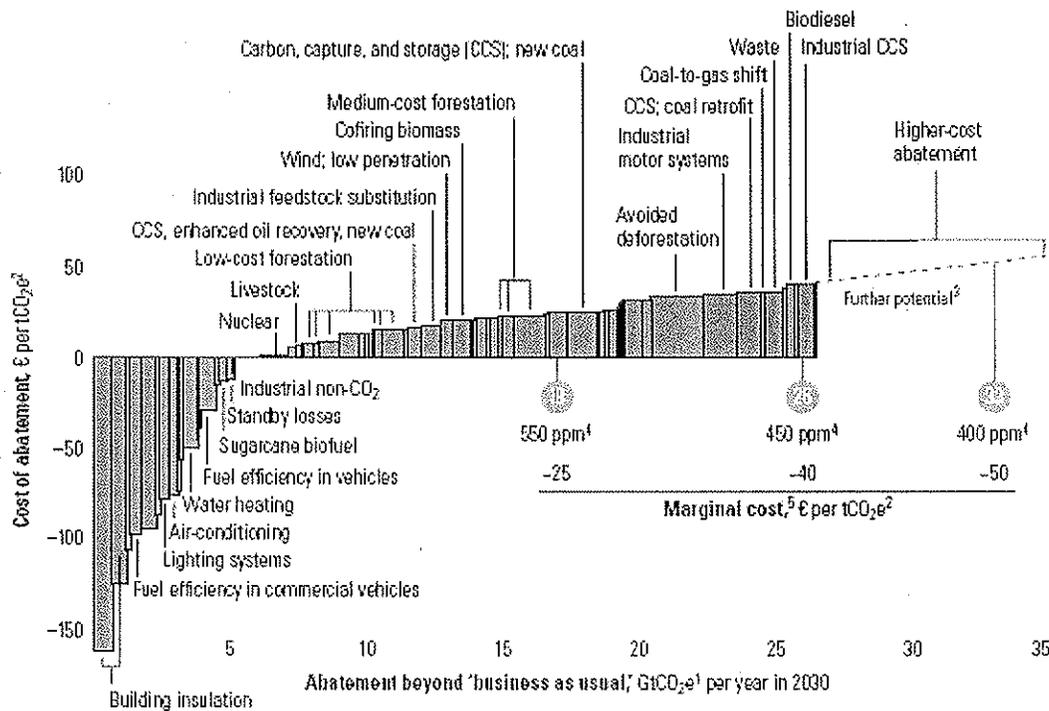
<sup>9</sup> *Ibid.* at 66,006.

In "A Cost Curve for Greenhouse Gas Reduction," the *McKinsey Quarterly* reports "that almost a quarter of possible emission reductions would result from measures (such as better insulation in buildings) that carry no net life cycle cost – in effect they come free of charge.<sup>10</sup> As the graphic from the above-referenced article demonstrates, no other efficiency measure is as cost effective as building insulation.

**What might it cost?**

Global cost curve for greenhouse-gas abatement measures beyond 'business as usual'; greenhouse gases measured in GtCO<sub>2</sub>e<sup>1</sup>

⊗ Approximate abatement required beyond 'business as usual,' 2030



<sup>1</sup>GtCO<sub>2</sub>e = gigaton of carbon dioxide equivalent; "business as usual" based on emissions growth driven mainly by increasing demand for energy and transport around the world and by tropical deforestation.  
<sup>2</sup>tCO<sub>2</sub>e = ton of carbon dioxide equivalent.  
<sup>3</sup>Measures costing more than £40 a ton were not the focus of this study.  
<sup>4</sup>Atmospheric concentration of all greenhouse gases recalculated into CO<sub>2</sub> equivalents; ppm = parts per million.  
<sup>5</sup>Marginal cost of avoiding emissions of 1 ton of CO<sub>2</sub> equivalents in each abatement demand scenario.

From a pragmatic perspective, insulation is easily installed and the materials are immediately available. As evidenced by the McKinsey report cited above and the Harvard studies discussed below, insulation delivers significant reduction in pollutants, specifically greenhouse gases. Therefore, it is imperative for New York to protect the insulation industry in New York; it not

<sup>10</sup> Enkvist, Per-Anders, Tomas Naucler and Jerker Rosander. 2007. "A Cost Curve for Greenhouse Gas Reduction." *The McKinsey Quarterly* 1: 38.

Ms. Jamie Roth  
December 22, 2010  
Page 7

only provides significant economic benefits to New York State, but it helps the state meet its goal to reduce greenhouse gas emissions through increased energy efficiency.

**THE CREATION OF THIS LIST VIOLATES THE NEW YORK STATE ADMINISTRATIVE PROCEDURE ACT**

One of the major purposes of the New York State Administrative Procedure Act ("SAPA") (Article 2 Rule Making Sections - 202, 202-a, 202-b) is to establish procedural requirements for the adoption, amendment, or repeal of administrative regulations (section 201). In this instance, New York State has not provided adequate notice (section 202(1)(a)(i) and (ii)) to key stakeholders (section 202-b, 6(a-d)), and therefore, the State has violated the notice provisions of the SAPA.

Moreover, there was no initial statement of reason or justification that would explain the specific reasons and purpose of this list or a description of reasonable alternatives (section 202-a). New York State has failed to comply with numerous other provisions of the SAPA.

If you have any questions, please do not hesitate to contact me.

Sincerely,

*Angus E. Crane*

Angus E. Crane  
Executive Vice President, General Counsel

---

**From:** G B [REDACTED]  
**Sent:** Wednesday, December 22, 2010 5:54 PM  
**To:** GreenEO4  
**Subject:** Toxic Chemicals

**Importance:** High

Please do not allow those toxic chemicals to be used anywhere near people, animals, or water supplies. Many of those chemicals are neurotoxins and detrimental to the central nervous system; there are also chemicals which allow cancers to multiply.

Let's keep NYS healthy and safe.

Sincerely,

G B [REDACTED]

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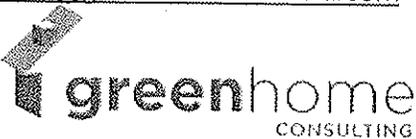
**From:** Judith Martin [judy@greenhomeswestchester.com]  
**Sent:** Thursday, December 23, 2010 9:57 AM  
**To:** GreenEO4  
**Subject:** Please adopt "Consideration of Chemicals in the Development of Green Specifications"

Please consider this email as support for adopting "Consideration of Chemicals in the Development of Green Specifications".

- Adoption of the list will reduce the amount of taxpayer dollars currently being spent on chemicals that pollute our air, contaminate our water and negatively impact our health.
- Adoption of the list will promote growth in the green economy, creating jobs and sparking innovation.
- Adoption of the list will provide local and municipal government agencies with a concise and well-vetted list of chemicals to avoid when purchasing goods and services.

**Judith A Martin, Principal**  
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Rye, NY 10580  
914-967-2956  
<http://www.greenhomeswestchester.com>  
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[judy@greenhomeswestchester.com](mailto:judy@greenhomeswestchester.com)  
[judy@greenhomesfairfield.com](mailto:judy@greenhomesfairfield.com)



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**From:** Bobbi Chase Wilding [clean.bobbi@gmail.com]  
**Sent:** Thursday, December 23, 2010 10:38 AM  
**To:** GreenEO4  
**Subject:** Comments on Proposed Consideration of Chemicals recommendation  
**Attachments:** OGSCChemicalAvoidanceLetter.doc

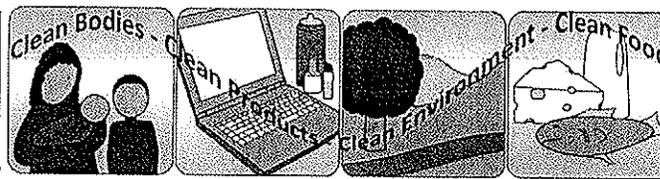
Please see the attached letter of support for the proposal.

Best,  
Bobbi

--  
Bobbi Chase Wilding  
Organizing Director, Clean New York

[www.clean-ny.org](http://www.clean-ny.org)  
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518-708-3875 (work/cell)  
518-234-8421 (fax)  
@clean\_bobbi (twitter)

# CLEAN NEW YORK



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(f) 518-355-6202  
[clean.bobbi@gmail.com](mailto:clean.bobbi@gmail.com)

December 22, 2010

Dear Interagency Committee,

Clean New York strongly supports adoption of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating into its purchasing practices a list of toxic chemicals to avoid, New York State can also make it easier for individuals to find affordable, safer products.

Clean New York is a statewide environmental health advocacy organization working to protect new Yorkers from toxic chemicals. We know from Materials Accounting Data collected in New Jersey and Massachusetts that the vast majority (over 90%) of toxic chemicals leave manufacturing facilities in products, not as releases to air, water or soil. Since these toxic chemicals are often not bound to the products, but escape and end up in our bodies where they can cause health problems, we are particularly focused on transforming the marketplace to make products safer and less toxic.

We support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals that are the focus of Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

We disagree with the Interagency Committee's failure to recommend direct adoption of the Chemical Avoidance List proposed by the Advisory Committee. With near-unanimous support for this recommendation, it would have sent even stronger market signals to encourage manufacturers to use safer materials. By weakening the language to "chemicals to consider," rather than "chemicals to avoid," wide latitude is left to purchase products that contain highly toxic chemicals. This does not serve state workers or the public.

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, which are enacting green purchasing programs that avoid buying products made with toxic chemicals.

Adopting this proposal will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

We look forward to the Interagency Committee formally adopting the proposal and encouraging agency purchasers to select products that do not contain the proposed highly toxic chemicals.

Sincerely,

Kathleen A. Curtis, LPN  
Policy Director

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**From:** Joel Shufro [jshufro@nycosh.org]  
**Sent:** Thursday, December 23, 2010 12:19 PM  
**To:** GreenEO4  
**Subject:** Support Ltr OGS - EO4  
**Attachments:** Word NYCOSH Stationary.doc



New York Committee for Occupational Safety and Health, Inc.  
116 John Street, New York, NY 10038  
(212) 227-6440 - fax (212) 227-9854  
www.nycosh.org

December 23, 2010

Office of General Services  
41st Floor, Corning Tower  
Empire State Plaza  
Albany, NY 12242

Dear Office of General Services,

We are writing of the New York Committee for Occupational Safety and Health, a non—profit coalition of 200 local unions in the New York metropolitan area, and 200 safety and health, medical and legal professionals who are dedicated to the rights of all working people to healthful and safe working conditions and in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely

Joel Shufro  
Executive Director

## RECOMMENDATION

### Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement Consideration of Chemicals in the Development of Green Specifications

Executive Order No. 4 (EO 4) charges the Interagency Committee on Sustainability and Green Procurement with the development of green procurement specifications for use by state agencies and public authorities. When choosing priority categories and developing green specifications, EO 4 directs the Committee to consider, among other factors, commodities, services and technology that reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production. The primary purpose of identifying chemicals to be aware of in green procurement is to assist the Interagency Committee on Sustainability and Green Procurement ("Committee") in meeting the goals of EO 4. An added benefit is informing the market of chemicals to be aware of in green procurement.

The federal government has identified chemicals that pose potential harm to human health and the environment. See current U.S. Environmental Protection Agency (EPA) Waste Minimization Priority List (<http://www.epa.gov/osw/hazard/wastemin/priority.htm>), and U.S. Department of Health and Human Services National Toxicology Program, current Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens (<http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932>). In addition, pursuant to the federal Toxic Substances Control Act (TSCA), certain chemicals of concern have been identified by the EPA in Action Plans that outline the risks that each chemical may present and identify specific actions EPA will be taking. (<http://www.epa.gov/oppt/existingchemicals/pubs/ecactionpln.html>).

In accordance with its practice since EO 4 was signed, the Committee shall continue to consider chemicals that pose potential health and environmental impacts, including, but not limited to, chemicals identified in the above sources, when developing green procurement specifications and evaluating existing standards and certification programs. The Committee may, depending on available resources, consider additional information that can be obtained with reasonable effort.

The identification of chemicals to consider in green procurement should not be construed as a ban on the purchase of commodities, services or technology containing and/or using such chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies (e.g., mercury in fluorescent lamps).

---

**From:** Claire Barnett [cbarnett@healthyschools.org]  
**Sent:** Thursday, December 23, 2010 12:30 PM  
**To:** GreenEO4  
**Subject:** comment on Green procurement Recommendations on Chemical Avoidance  
**Attachments:** NYS\_OGS\_comments on GRProcuremt\_Dec2010.pdf

Please find attached our comment regarding EO4 and chemicals avoidance.

Claire



Claire L. Barnett, MBA, Founder and Executive Director  
Healthy Schools Network, Inc. - *celebrating 15 years 1995-2010*  
518-462-0632

Coordinator, National Coalition for Healthier Schools  
*...providing the platform and the forum for environmental health at school ...*  
Mobile: 202-543-7555

[www.HealthySchools.org](http://www.HealthySchools.org) - *Read 2010 Year End News online*  
[www.NationalHealthySchoolsDay.org](http://www.NationalHealthySchoolsDay.org) - *See Activity Map*  
[www.CleaningforHealthySchools.org](http://www.CleaningforHealthySchools.org) - *Download Free Color Poster for Your School*

"... It's amazing what you can learn, ... especially if the people who are doing the talking also happen to be children." *Greg Mortenson, Stones Into Schools, 2009*



# HEALTHY SCHOOLS NETWORK, INC.

773 Madison Avenue, 1<sup>st</sup> fl, Albany, NY 12208  
T 518.462.0632 F 518.462.0433

[www.healthyschools.org](http://www.healthyschools.org)

December 23, 2010 – via email to [Green104@ogs.state.ny.us](mailto:Green104@ogs.state.ny.us)

Inter Agency Committee on Sustainability and Green Procurement  
New York State Office of General Services  
Albany, NY

## Re: Public Comment on Green Procurement

### Recommendation “Consideration of Chemicals in the Development of Green Specifications”

Dear Members of the New York State Inter Agency Committee on Sustainability and Green Procurement:

Healthy Schools Network is writing to offer our full support of the Recommendation regarding the “Consideration of Chemicals in the Development of Green Specifications”.

#### We also are writing to:

- Congratulate you on your first annual progress report (April 2010) that documented stunning successes across many purchasing categories, and simultaneously documented savings of over \$200 million to state taxpayers in a program that also significantly reduced the purchase of toxic chemicals embedded in products and technologies. New York has demonstrated state agency and national leadership in this program.
- Thank the Committee for embracing and sustaining the state’s 2005 and continuing commitment to a well-defined and cost-effective green cleaning program for agencies and public and private schools statewide. This is not only helping to save money (*OGS and SED, March 2010*), improve indoor air quality and reduce asthma, but New York’s leadership has since helped international eco-labeler Green Seal upgrade its certification standard (GS 37) for cleaning products, and inspired many states to enact laws and consider bills on similar policies. And, finally,
- Ask the Committee to extend its state leadership in green procurement to the education community through deliberately considering commodities, services, and technologies commonly purchased by PK-12 schools and child care centers. Children are more vulnerable to environmental exposures than adults and cannot remove themselves from harm’s way (*Federal Executive Order 13045; American Academy of Pediatrics; NIEHS, ATSDR, APHA, WHO*). The New York legislature and various administrations have acknowledged this, but to date, green procurement has not been embraced by the education community. This can change:

*... for children ... health ... environment ... education ... communities ... since 1995...*

- Given the opportunity to help schools save on purchasing, and given the opportunity to reduce toxics used by and around children, it seems very worthwhile to find ways as quickly as possible to extend the successes in green procurement to all PK-12 schools and child care centers, especially those receiving state funding.
- Given that many school supplies are in fact generic office supplies and equipment (computers), there may be additional areas of overlap that would be worthwhile to explore: for example, lighting (as PCB-contaminated ballasts are replaced) and flooring.
- Given that education construction/renovation is big business, accounting today for about half of all real estate development in NYC. NYC schools are required under a 2005 city law we shaped and won to 'build green', and New York State PK-12 schools are encouraged to adopt NY-CHPS, developed by NYSERDA and SED, a standard for high performance, green design and construction. Green procurement is sometimes required and always encouraged in high performance green buildings.
- Given that Governor Paterson wrote to the New York Board of Regents and Commissioner of Education in April 2010, shortly after the Committee's annual progress report was posted, urging the Regents and the Commissioner to adopt green procurement, a step consistent with the Regents' comprehensive policies on school facility environments.

### Regarding the Recommendation on Chemical Avoidance

The Recommendation on the Consideration of Chemicals in Green Procurement is deliberately hazard-based, that is, prevention oriented and consistent with the intent of EO 4 and of EO 134 (green cleaning) which we fully support.

The Recommendation, if adopted as posted, will better protect the citizens of New York State and the state's environment and waterways. It is a forward-thinking policy proposal based on preventing pollution and reducing risks to human health and the environment. We are also supportive of New York's two-pronged approach, in which the state reduces or eliminates specific chemicals and also researches existing high quality certification standards in the private sector to determine product certifications that have well-defined and well accepted leadership standards in place that reduce or eliminate chemicals of concern, standards and can be moved into state specifications.

We also strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA. New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

We also wish to note that the list of toxic chemicals to be considered in developing procurement specifications does not constitute a ban on those chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies.

Healthy Schools Network is a 501c3 not for profit national environmental health organization founded in New York in 1995 that has shaped and won state and federal funds and laws to improve children's environmental health and the conditions of schools. Through its Healthy Schools/Healthy Kids Clearinghouse it assists thousands of parents and personnel annually. Honors and Awards include a US EPA Children's Health Protection Award, a US EPA Indoor Air Quality in Schools National Special Achievement Award. It founded and coordinates the national Coalition for Healthier Schools that unites a thousand policy advocates nationwide in local, state, and national efforts to create healthier schools for all children.

If you should wish more information, please call.

A handwritten signature in cursive script that reads "C L Barnett". The signature is written in dark ink and is positioned above the printed name.

Claire L. Barnett, MBA, Founder and Executive Director

---

**From:** Sheree [REDACTED]  
**Sent:** Thursday, December 23, 2010 2:54 PM  
**To:** GreenEO4  
**Cc:** anne rabe  
**Subject:** Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement

We support the recommendation "Consideration of Chemicals in the Development of Green Specifications," a proposal based on pollution prevention and the reduction of risks from hazardous chemicals from the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA. This appropriately focuses on especially hazardous toxic chemicals that are already regulated by the federal government, and need to be prioritized in procurement as well.

Not having these chemicals end up in our waste stream is an important factor, which protects flora and fauna such as that in the Pine Bush Preserve adjacent to the Albany Rapp Road Landfill

Thanks so much for considering our request.

Sheree Cammer  
on behalf of  
Save the Pine Bush  
33 Central Ave.  
Albany, NY 12210

---

**From:** [REDACTED] on behalf of Laura Haight [lhaight@nypirg.org]  
**Sent:** Thursday, December 23, 2010 2:21 PM  
**To:** GreenEO4  
**Subject:** support for EO4 chemical avoidance purchasing list

Dear Office of General Services,

On behalf of the New York Public Interest Research Group (NYPIRG), I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This policy will better protect the citizens of New York State and the state's environment and waterways. It is a positive and forward-thinking policy proposal based on pollution prevention and the reduction of health and environmental risks from especially hazardous chemicals in products.

We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under TSCA.

This recommendation is based on the guiding principles outlined in EO 4. It would enable the state to strategically implement the priority attention to toxic substances embodied in the EO. It would meet the goals of EO 4, such as to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

New York would join a growing number of states and municipalities enacting green purchasing programs that seek to avoid the purchase of products with priority toxic substances, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington.

The recommendation appropriately focuses on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government, and now need to be prioritized in procurement as well. This is a reasonable and sound approach from an environmental, public health and economic perspective.

Sincerely,

Laura Haight

Senior Environmental Associate

NYPIRG

107 Washington Ave.

Albany, NY 12210

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**From:** [REDACTED]  
**Sent:** Thursday, December 23, 2010 3:05 PM  
**To:** GreenEO4  
**Subject:** Att: New York State Office of General Services Re: Rec Consideration of Chemicals in the Development of Green Specifications

Dear Office of General Services,

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." This critical pollution prevention policy will have a significant impact on the protection of the residents and the environment of New York State by reducing health and environmental risks from especially hazardous chemicals in products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the EPA Chemicals in Action Plans being implemented under the Toxic Substance Control Act.

This proposal is consistent with the guiding principles outlined in Executive Order 4 and would enable the state to implement the priority attention to toxic substances embodied in the Executive Order and to meet its goals to: "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington have already enacted green procurement programs that seek to avoid the purchase of products with priority toxic substances. New York would join the growing ranks of states and municipalities enacting such forward-thinking, cost-effective pollution prevention programs.

The Recommendation provides a sound, economical approach to procurement by focusing on especially hazardous toxic chemicals that are already being regulated and prioritized by the federal government to protect public health and the environment. Adoption of the recommendation will reduce the amount of taxpayer dollars that are now spent on chemicals that continue to pollute our air, water and soil and have costly and serious health impacts on the residents of New York State. Promotion of growth in innovation and the green economy will be fostered with the adoption of this vital proposal and local and municipal government agencies will have access to a well-vetted list of chemicals to avoid in their procurement programs. Finally, New York State will serve as an important example for its residents, businesses, institutions and local

municipalities by establishing this vital pollution prevention model.

Sincerely,

E. W. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

---

**From:** Architects [architects@lewisandgould.com]  
**Sent:** Thursday, December 23, 2010 5:08 PM  
**To:** GreenEO4  
**Subject:** Support Green Procurement

Please support the effort to use safe chemicals in our environment. Procurement on a public level is unlikely to consider the impact on the public including children and seniors.

Thank you.  
Michele Lewis, AIA  
Principal  
Lewis and Gould Architects  
39 W 37<sup>th</sup> St.  
New York, New York 10018

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**From:** [REDACTED]  
**Sent:** Thursday, December 23, 2010 6:32 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

This recommendation is an important part of implementing Executive Order 4, allowing the state to meet its goals, including to "reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production."

It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** k [REDACTED]  
**Sent:** Thursday, December 23, 2010 7:53 PM  
**To:** GreenEO4  
**Subject:** Please support the Chemical Avoidance List

I am writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications." It is a positive and forward-thinking proposal based on pollution prevention and the reduction of health and environmental dangers from toxic chemicals. By incorporating a list of toxic chemicals to avoid into its purchasing practices, New York State can also make it easier for individuals like me to find affordable, safer products.

I strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the Environmental Protection Agency Waste Minimization Priority List (PBTs), Department of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and chemicals in Action Plans EPA is implementing under TSCA.

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It is time for New York to join the growing number of states, such as California, Massachusetts, Maine, New Hampshire, New Jersey, Oregon and Washington, that are enacting green purchasing programs that avoid buying products made with toxic chemicals.

As a resident of New York State, I urge you to approve this list. It will create a ripple effect, helping to transition our entire economy towards one that is sustainable and healthy for people and the environment.

Thank you for considering my views.

k [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

---

**From:** Dr. Rapp's Assistant [REDACTED]  
**Sent:** Friday, December 24, 2010 1:16 PM  
**To:** GreenEO4  
**Subject:** Re: Public Comment on Recommendation "Consideration of Chemicals in the Development of Green Specifications"  
**Attachments:** Letter to NYS.docx

December 23, 2010 – via email to [GreenEO4@ogs.state.ny.us](mailto:GreenEO4@ogs.state.ny.us)

New York State Office of General Services

Inter Agency Committee on Sustainability and Green Procurement

Albany, NY

Re: Public Comment on  
Recommendation "Consideration of Chemicals in the Development of Green Specifications"

To Members of the Inter Agency Committee on Sustainability and Green Procurement:

Healthy Schools Network is writing to offer our full support of the Recommendation regarding the "Consideration of Chemicals in the Development of Green Specifications".

We also are writing to:

- Congratulate you on your first annual progress report (April 2010) that documented stunning successes across many purchasing categories, and simultaneously documented savings of over \$200 million to state taxpayers in a program that also significantly reduced the purchase of toxic chemicals embedded in products and technologies. New York has demonstrated state agency and national leadership in this program.
- Thank the Committee for embracing and sustaining the state's strong commitment to a well-defined and cost-effective green cleaning program for agencies and public and private schools. This is not only saving money (source: OGS and SED, March 2010), but New York's national leadership in

2005 has since helped Green Seal upgrade its certification standard (GS 37) for cleaning products, and inspired a dozen states to enact laws promoting or requiring similar policies. And, finally,

- Ask the Committee to extend its state leadership in green procurement specifications to the education community through deliberately considering commodities, services, and technologies commonly used in PK-12 schools and child care centers. Children are more vulnerable to environmental exposures than adults and cannot remove themselves from harm's way (Federal Executive Order 13045; American Academy of Pediatrics; NIEHS, ATSDR, APHA, WHO). The state legislature and various state administrations have acknowledged this, but to date, green procurement has not been broadly embraced in the education community.
- Governor Paterson wrote to the New York Board of Regents and Commissioner of Education in April 2010, shortly after the Committee annual progress report was posted, urging the Regents and the Commissioner to adopt green procurement, a step consistent with the Regents' comprehensive policies on school facility environments adopted in 1995.
- Given the opportunity to help schools save on purchasing, and given the opportunity to reduce toxics used by and around children, it seems very worthwhile to find ways as quickly as possible to extend the successes in green procurement to all PK-12 schools and child care centers, especially those receiving state funding. We note that many school supplies are in fact generic office supplies and equipment (computers). There may be additional areas of overlap that would be worthwhile to explore: for example, lighting (as PCB ballasts are removed), paints, flooring. Education construction/renovation is big business, accounting currently for about half of all real estate development in NYC. NYC schools are required under a 2005 city law to 'build green', and New York State PK-12 schools are encouraged to adopt NY-CHPS, developed by NYSERDA and SED, a standard for high performance, green design and construction.

### **Regarding the Recommendation on Chemical Avoidance**

The Recommendation on the Consideration of Chemicals in Green Procurement is deliberately hazard-based, that is, prevention oriented and consistent with the intent of EO 4 and of EO 134 (green cleaning) which we support.

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We also wish to note that the list of toxic chemicals to be considered in developing procurement specifications does not constitute a ban on those chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies.

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If you should wish more information, please call.

Doris J. Rapp, M.D.

Board Certified in Pediatrics, Allergy and Environmental Medicine

Clinical Assistant Professor of Pediatrics (Emeritus) at SUNYAB.

DJR/fdz

Board Certified in Pediatrics  
Pediatric Allergy and  
Environmental Medicine

Former Clinical Assistant Professor  
Of Pediatrics at SUNYAB  
Phone: 480-905-9195  
Fax: 480-695-9500

Doris J. Rapp, M.D.  
8040 E. Morgan Trail, Suite 13  
Scottsdale, AZ 85258

December 23, 2010 – via email to [GreenEO4@ogs.state.ny.us](mailto:GreenEO4@ogs.state.ny.us)

New York State Office of General Services  
Inter Agency Committee on Sustainability and Green Procurement  
Albany, NY

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December 23, 2010

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Doris J. Rapp, M.D.  
Board Certified in Pediatrics, Allergy and Environmental Medicine  
Clinical Assistant Professor of Pediatrics (Emeritus) at SUNYAB.

DJR/fdz

RECEIVED  
DEC 17 2010

**ACTION:**

Please show your support for getting cancer-causing and persistent toxic chemicals out of products by sending a letter before 12/23/10 to the

**NYS Office of General Services** December 8, 2010

*Morning Tower, Empire State Plaza  
Albany, N.Y. 12242 FAX (518) 474-2437*

Dear Members of the Office of General Services:

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications".

We wish you to avoid toxic chemicals in products purchased by state agencies. If approved, this would be a major step in eliminating 85 chemicals that have been linked to many chronic disease- including cancers, asthma, autism, and neuro-developmental disorders in all age groups including children,

This policy will ultimately help to better protect the citizens of New York State and the state's environment and waterways from especially hazardous chemicals in products. *It is a positive and forward thinking policy proposal based on pollution prevention and sustainable production.*

The Recommendation would enable NYS to

- Reduce or eliminate the health and environmental risks from the use or release of toxic substances;
- Minimize risks of the discharge of pollutants into the environment;
- Focus on especially hazardous toxic substances already being regulated by the federal government and now needs to be prioritized in procurement as well.
- This is a reasonable and sound approach from a public health and economic perspective.
- Each year OGS selects 32 products for contracts. If the Recommendation is approved, OGS could assess whether or not these products contain any of the 85 toxic chemicals and could select safer alternatives.
- We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the US EPA Waste Minimization Priority List, Dept. of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the USEPA Chemicals in Action Plans being implemented under the Toxic Substances Chemicals Act.

Thank you for your kind consideration.

*Signature*

*address*

*[Redacted Signature]*

*[Redacted Address Line 1]*

*[Redacted Address Line 2]*

*[Redacted Address Line 3]*

League of Women Voters of Great Neck  
P.O. Box 220-256 Great Neck, NY 11023-1908

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Thank you for your kind consideration.

Signature

address

[Redacted]

[Redacted]

Natural Resources Chair, Great Neck LWV

FYI

Tentatively Approved by Interagency Committee November 23, 2010

## **Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement**

### **Consideration of Chemicals in the Development of Green Specifications**

Executive Order No. 4 (EO 4) charges the Interagency Committee on Sustainability and Green Procurement with the development of green procurement specifications for use by state agencies and public authorities. When choosing priority categories and developing green specifications, EO 4 directs the Committee to consider, among other factors, commodities, services and technology that reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production. The primary purpose of identifying chemicals to be aware of in green procurement is to assist the Interagency Committee on Sustainability and Green Procurement ("Committee") in meeting the goals of EO 4. An added benefit is informing the market of chemicals to be aware of in green procurement.

The federal government has identified chemicals that pose potential harm to human health and the environment. See current U.S. Environmental Protection Agency (EPA) Waste Minimization Priority List ([www.epa.gov/osw/hazard/wastemin/priority.htm](http://www.epa.gov/osw/hazard/wastemin/priority.htm)), and U.S. Department of Health and Human Services National Toxicology Program, current Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens ([ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932](http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932)). In addition, pursuant to the federal Toxic Substances Control Act (TSCA), certain chemicals of concern have been identified by the EPA in Action Plans that outline the risks that each chemical may present and identify specific actions EPA will be taking. ([www.epa.gov/oppt/existingchemicals/pubs/ecactionpln.html](http://www.epa.gov/oppt/existingchemicals/pubs/ecactionpln.html)).

In accordance with its practice since EO 4 was signed, the Committee shall continue to consider chemicals that pose potential health and environmental impacts, including, but not limited to, chemicals identified in the above sources, when developing green procurement specifications and evaluating existing standards and certification programs. The Committee may, depending on available resources, consider additional information that can be obtained with reasonable effort.

The identification of chemicals to consider in green procurement should not be construed as a ban on the purchase of commodities, services or technology containing and/or using such chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies (e.g., mercury in fluorescent lamps).

FYI

October 14, 2010

Albany - EO4 Interagency Subcommittee Meeting on Green Procurement

Thank you for the opportunity to speak this morning on behalf of the EO4 Advisory Council. Today I am speaking for myself and several other members of the council who could not be here today. Last night before I left my office I got a call from one member of the council, Scot Case, Vice President of TerraChoice Environmental Marketing, who is currently presenting at the *International Green Technology and Purchasing Conference* in Kuala Lumpur in Malaysia. He joins us in support of your proposed recommendation to consider certain chemicals in green purchasing and will be citing some of New York State's other green initiatives in his presentation on North American Strategies.

The chemicals that your committee has identified for consideration in the development of green specifications have been identified and thoroughly researched by multiple federal agencies and determined to be detrimental to either or both human health and the environment. We applaud your committee for making this effort, joining other states and cities across the country (notably Maine, Los Angeles, New York City, San Francisco, New Jersey and Washington state) who have already enacted similar initiatives and for encouraging others to follow. You will also most certainly be playing a role in advancing green technology industries and creating new markets as well as new jobs.

During our deliberations on this issue, a working group of EO 4 Advisory Council members consulted with leading experts in the emerging field of green purchasing, and worked diligently to identify chemicals that are found in products commonly purchased by the state agencies. A working document was created with contextual information that may be of value to the Subcommittee when undertaking the task of writing specifications. Of course, all the chemicals in this document are included on one or more of the federal lists referenced in your proposed recommendation. We would appreciate the Committee's consideration of the inclusion of this document in your proposed policy.

As an organization that prioritizes the protection of the public's health, especially our children, once again I support you in your decision to carefully consider those chemicals which present the greatest risk to people and the environment. Thank you.

Patti Wood  
Executive Director  
Grassroots Environmental Education  
52 Main Street  
Port Washington, NY 11050  
516-883-0887  
pjw@grassrootsinfo.org

**Preliminary Worksheet on Chemicals for Consideration  
in Green Procurement**

<b>Chemical</b>	<b>Concern</b>	<b>List</b>	<b>Products/Ingredients</b>
1,2-Dichloroethane	RA	NTP	Adhesives, building supplies*
1,2,3, Trichloropropane	RA	NTP	Chemical solvent*
1,2,4-Trichlorobenzene	PBT	EPA	Degreasers, lubricants, solvents†
1,2,4,5-Tetrachlorobenzene	PBT	EPA	Intermediate to make pesticides†
1,3 Dichloropropene	RA	NTP	Pesticide*
1,4 Dioxane	RA	NTP	Varnish stripper, by-product of surfactants*
1,4-Dichlorobenzene (para-dichlorobenzene)	RA	NTP	Urinal blocks, deodorizers*
2,2 bis(Bromoethyl) 1,3 propanediol	RA	NTP	Flame retardant*
2,3 Dibromo-1-propanol	RA	NTP	Polyurethane foam*
2,3,7,8-Tetrachlorodibenzo-p-dioxin	KHC	NTP	Chlorine-bleached paper products*
2,4,5-Trichlorophenol	PBT	EPA	Fungicide, herbicide†
3-Chloro-2-methylpropene	RA	NTP	Pesticide*
4-Bromophenyl phenyl ether	PBT	EPA	Former flame retardant†
Acenaphthene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Acenaphthylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Acetaldehyde	KHC	NTP	Adhesives*
Amitrole	RA	NTP	Pesticide*
Arsenic compounds, Inorganic	KHC	NTP	Wood preservative, treated wood*
Asbestos	KHC	NTP	Roofing shingles, siding*
Benzene	KHC	NTP	Contaminant of solvents*
Benzo (g,h,i) perylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Beryllium and beryllium compounds	KHC	NTP	Cell phones*
Bis (Chloromethyl) Ether, Technical Grade Chloromethyl Methyl Ether	KHC	NTP	Cleaning products*
Bisphenol A		EPA CAP	Bottles, food packaging <sup>Δ</sup>
Cadmium and cadmium compounds	KHC, PBT	EPA, NTP	Pigments, batteries, plastics, products containing fly ash, stabilizer for PVC <sup>*†</sup>
Carbon tetrachloride	RA	NTP	Cleaning solvent, adhesive, adhesive remover*
Ceramic fibers	RA	NTP	Fiber board insulation*
Chloroprene	RA	NTP	Glues, adhesives*
Chromium, hexavalent	KHC	NTP	Contaminant, possibly in leather*
Coal tar and pitches	KHC	NTP	Road patching and paving material, roofing material*
Di(2-ethylhexyl) phthalate (DEHP)	RA	NTP	PVC building supplies, office supplies*
Dibenzofuran	PBT	EPA	Coal tar-based products, products containing fly ash, coke dust†
Dichloromethane (Methylene chloride)	RA	NTP	Graffiti removers, paint strippers, lubricants*
Diesel exhaust particulates	RA	NTP	Buses, trucks, power generators*
Diethyl Sulfate	RA	NTP	Carbonless paper*

## Preliminary Worksheet on Chemicals for Consideration in Green Procurement

Dioxins and furans (polychlorinated)	PBT	EPA	Generated from the manufacture and incineration of chlorinated paper products, solvents, pesticides, plastics <sup>†</sup>
Endosulfan	PBT	EPA	Insecticide, wood preservative (not made in the U.S.) <sup>†</sup>
Ethylene dichloride (1,2 Dichloroethane)	RA	NTP	Adhesives, caulking <sup>*</sup>
Ethylene oxide	KHC	NTP	Hospital-grade sterilant, fungicide <sup>*</sup>
Fluorene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Formaldehyde gas	RA	NTP	Carpet, tile, glues, adhesives, caulking, particle board, furniture <sup>*</sup>
Furan	RA	NTP	Wood preservative, asphalt and patching material, roofing patch, resins <sup>*</sup>
Glass Wool	RA	NTP	Thermal, electrical and acoustical insulation <sup>*</sup>
Heptachlor; heptachlor epoxide	PBT	EPA	Banned pesticide <sup>†</sup>
Hexachlorobenzene	PBT, RA	EPA, NTP	Banned pesticide, contaminant of products containing chlorinated organics <sup>*†</sup>
Hexachlorobutadiene	PBT	EPA	Contaminant in the manufacture of rubber <sup>†</sup>
Hexachlorocyclohexane, gamma (Lindane)	PBT	EPA	Pesticide used to control lice and scabies in humans and animals <sup>†</sup>
Hexachloroethane	PBT, RA	EPA, NTP	Artificial smoke, munitions, lubricants, byproduct of incineration of chlorinated products <sup>*†</sup>
Hexamethylphosphoramide	RA	NTP	Rodenticide <sup>*</sup>
Lead and lead compounds	PBT, RA	EPA, NTP	Batteries, light bulbs, appliances, computers, products containing fly ash, cell phones, other electronics, PVC (pigment/stabilizer) <sup>*†</sup>
Lindane and other hexachlorocyclohexane Isomers	RA	NTP	Pesticide used to control lice and scabies in humans and animals <sup>*</sup>
Mercury	PBT	EPA	Light bulbs, appliances, computers, products containing fly ash, thermometers, thermostats <sup>†</sup>
Methoxychlor	PBT	EPA	Insecticide <sup>†</sup>
Methylene Chloride	RA	NTP	Chemical solvent, paint stripper, printing inks, automotive degreasing <sup>*</sup>
Mineral oils (untreated and mildly treated)	KHC	NTP	Lubricants <sup>*</sup>
Naphthalene	PBT, RA	EPA, NTP	Mothballs, dyes, leather goods, insecticides, wood preservatives, coal tar-based products <sup>*†</sup>
Nickel (metallic)	RA	NTP	Batteries <sup>*</sup>
Nickel compounds	KHC	NTP	Electroplated items <sup>*</sup>
Nitromethane	RA	NTP	Chemical solvent <sup>*</sup>
Nitropropane	RA	NTP	Solvent for inks, paints and varnishes <sup>*</sup>
Nitrosodimethylamine	RA	NTP	Control of nematodes <sup>*</sup>
PBDEs (octa, penta and deca)		EPA CAP	Furniture, carpeting, computers, other electrical equipment <sup>^</sup>
Pendimethalin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Pentachlorobenzene	PBT	EPA	Fire retardant, used to make the fungicide pentachloronitrobenzene (PCNB) <sup>†</sup>

## Preliminary Worksheet on Chemicals for Consideration in Green Procurement

Pentachloronitrobenzene	PBT	EPA	Fungicide (used as lawn chemical and to prevent slime in industrial water tanks) <sup>†</sup>
Pentachlorophenol	PBT	EPA	Wood preservative used on power line poles, railroad tracks, fences <sup>†</sup>
PFOS and PFOA		EPA CAP	Fabrics, paper, cookware, electronics, floor polishes <sup>Δ</sup>
Phenanthrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Polybrominated biphenyls (PBBs)	RA	NTP	Brominated flame retardant banned in the U.S. in the 1970s. May still be in imported products.*
Polychlorinated biphenyls (PCBs)	RA, PBT	NTP, EPA	Banned in the U.S. but may still be contaminant of some manufacturing processes.*†
Polycyclic aromatic hydrocarbons (PAHs)	PBT, RA	EPA, NTP	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust*†
Propylene oxide	RA	NTP	Glues, adhesives, caulking*
Pyrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Selenium sulfide	RA	NTP	Fungicide*
Silica, Crystalline (respirable size)	KHC	NTP	Paint, primers, cleaning products*
Tetrachloroethylene (Perchloroethylene)	RA	NTP	Solvents (including dry cleaning), degreasers, graffiti removers, paint strippers, lubricants*
Tetrafluoroethylene	RA	NTP	Used in the production of Teflon*
Toluene Diisocyanate	RA	NTP	Floor and wood finishes*
Trichloroethylene	RA	NTP	Solvents, degreasers, graffiti removers, paint strippers, lubricants, carpet and upholstery cleaners*
Trifluralin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Tris (2,3 Dibromopropyl) phosphate	RA	NTP	Flame retardant found in upholstery*
Urethane	RA	NTP	Sealants*
Vinyl chloride	KHC	NTP	Siding, piping, roofing, carpet, wall paper, shower curtains*
Vinyl fluoride	RA	NTP	Wall, pipe and electrical covering*

### Legend:

KHC = Known Human Carcinogen, RA = Reasonably Anticipated to be a Human Carcinogen, PBT = Persistent Bio-accumulative Toxin

EPA = EPA Waste Minimization Priority, EPA CAP = EPA Chemical Action Plans, NTP = National Toxicology Program 11th Report

† = from EPA Waste Minimization Priority Fact Sheet, Δ = from EPA Chemical Action Plan, \* = from NTP Substance Profile and/or NTP Report on Carcinogens Background Document

*This list was prepared for the consideration of the EO 4 Procurement Subcommittee by members of the EO4 Advisory Council.*

Revised 11/30/10

**RECOMMENDATION:*****Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement  
Consideration of Chemicals in the Development of Green Specifications***

Executive Order No. 4 (EO 4) charges the Interagency Committee on Sustainability and Green Procurement with the development of green procurement specifications for use by state agencies and public authorities. When choosing priority categories and developing green specifications, EO 4 directs the Committee to consider, among other factors, commodities, services and technology that reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production. The primary purpose of identifying chemicals to be aware of in green procurement is to assist the Interagency Committee on Sustainability and Green Procurement ("Committee") in meeting the goals of EO 4. An added benefit is informing the market of chemicals to be aware of in green procurement.

The federal government has identified chemicals that pose potential harm to human health and the environment. See current U.S. Environmental Protection Agency (EPA) Waste Minimization Priority List (<http://www.epa.gov/osw/hazard/wastemin/priority.htm>), and U.S. Department of Health and Human Services National Toxicology Program, current Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens (<http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932>). In addition, pursuant to the federal Toxic Substances Control Act (TSCA), certain chemicals of concern have been identified by the EPA in Action Plans that outline the risks that each chemical may present and identify specific actions EPA will be taking. (<http://www.epa.gov/oppt/existingchemicals/pubs/ocactionplan.html>).

In accordance with its practice since EO 4 was signed, the Committee shall continue to consider chemicals that pose potential health and environmental impacts, including, but not limited to, chemicals identified in the above sources, when developing green procurement specifications and evaluating existing standards and certification programs. The Committee may, depending on available resources, consider additional information that can be obtained with reasonable effort.

The identification of chemicals to consider in green procurement should not be construed as a ban on the purchase of commodities, services or technology containing and/or using such chemicals. Depending on each commodity, service or technology, and whether sufficient alternatives exist in the marketplace, procurement specifications may restrict or allow considered chemicals to be used or contained in certain commodities, services or technologies (e.g., mercury in fluorescent lamps).

**Preliminary Worksheet on Chemicals for Consideration  
in Green Procurement**

<b>Chemical</b>	<b>Concern</b>	<b>List</b>	<b>Products/Ingredients</b>
1,2-Dichloroethane	RA	NTP	Adhesives, building supplies*
1,2,3, Trichloropropane	RA	NTP	Chemical solvent*
1,2,4-Trichlorobenzene	PBT	EPA	Degreasers, lubricants, solvents†
1,2,4,5-Tetrachlorobenzene	PBT	EPA	Intermediate to make pesticides†
1,3 Dichloropropene	RA	NTP	Pesticide*
1,4 Dioxane	RA	NTP	Varnish stripper, by-product of surfactants*
1,4-Dichlorobenzene (para-dichlorobenzene)	RA	NTP	Urinal blocks, deodorizers*
2,2 bis(Bromoethyl) 1,3 propanediol	RA	NTP	Flame retardant*
2,3 Dibromo-1-propanol	RA	NTP	Polyurethane foam*
2,3,7,8-Tetrachlorodibenzo-p-dioxin	KHC	NTP	Chlorine-bleached paper products*
2,4,5-Trichlorophenol	PBT	EPA	Fungicide, herbicide†
3-Chloro-2-methylpropene	RA	NTP	Pesticide*
4-Bromophenyl phenyl ether	PBT	EPA	Former flame retardant†
Acenaphthene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Acenaphthylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Acetaldehyde	KHC	NTP	Adhesives*
Amitrole	RA	NTP	Pesticide*
Arsenic compounds, Inorganic	KHC	NTP	Wood preservative, treated wood*
Asbestos	KHC	NTP	Roofing shingles, siding*
Benzene	KHC	NTP	Contaminant of solvents*
Benzo (g,h,i) perylene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust†
Beryllium and beryllium compounds	KHC	NTP	Cell phones*
Bis (Chloromethyl) Ether, Technical Grade Chloromethyl Methyl Ether	KHC	NTP	Cleaning products*
Bisphenol A		EPA CAP	Bottles, food packaging <sup>Δ</sup>
Cadmium and cadmium compounds	KHC, PBT	EPA, NTP	Pigments, batteries, plastics, products containing fly ash, stabilizer for PVC*†
Carbon tetrachloride	RA	NTP	Cleaning solvent, adhesive, adhesive remover*
Ceramic fibers	RA	NTP	Fiber board insulation*
Chloroprene	RA	NTP	Glues, adhesives*
Chromium, hexavalent	KHC	NTP	Contaminant, possibly in leather*
Coal tar and pitches	KHC	NTP	Road patching and paving material, roofing material*
Di(2-ethylhexyl) phthalate (DEHP)	RA	NTP	PVC building supplies, office supplies*
Dibenzofuran	PBT	EPA	Coal tar-based products, products containing fly ash, coke dust†
Dichloromethane (Methylene chloride)	RA	NTP	Graffiti removers, paint strippers, lubricants*
Diesel exhaust particulates	RA	NTP	Buses, trucks, power generators*
Diethyl Sulfate	RA	NTP	Carbonless paper*

## Preliminary Worksheet on Chemicals for Consideration in Green Procurement

Dioxins and furans (polychlorinated)	PBT	EPA	Generated from the manufacture and incineration of chlorinated paper products, solvents, pesticides, plastics <sup>†</sup>
Endosulfan	PBT	EPA	Insecticide, wood preservative (not made in the U.S.) <sup>†</sup>
Ethylene dichloride (1,2 Dichloroethane)	RA	NTP	Adhesives, caulking <sup>*</sup>
Ethylene oxide	KHC	NTP	Hospital-grade sterilant, fungicide <sup>*</sup>
Fluorene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Formaldehyde gas	RA	NTP	Carpet, tile, glues, adhesives, caulking, particle board, furniture <sup>*</sup>
Furan	RA	NTP	Wood preservative, asphalt and patching material, roofing patch, resins <sup>*</sup>
Glass Wool	RA	NTP	Thermal, electrical and acoustical insulation <sup>*</sup>
Heptachlor; heptachlor epoxide	PBT	EPA	Banned pesticide <sup>†</sup>
Hexachlorobenzene	PBT, RA	EPA, NTP	Banned pesticide, contaminant of products containing chlorinated organics <sup>*†</sup>
Hexachlorobutadiene	PBT	EPA	Contaminant in the manufacture of rubber <sup>†</sup>
Hexachlorocyclohexane, gamma (Lindane)	PBT	EPA	Pesticide used to control lice and scabies in humans and animals <sup>†</sup>
Hexachloroethane	PBT, RA	EPA, NTP	Artificial smoke, munitions, lubricants, byproduct of incineration of chlorinated products <sup>*†</sup>
Hexamethylphosphoramide	RA	NTP	Rodenticide <sup>*</sup>
Lead and lead compounds	PBT, RA	EPA, NTP	Batteries, light bulbs, appliances, computers, products containing fly ash, cell phones, other electronics, PVC (pigment/stabilizer) <sup>*†</sup>
Lindane and other hexachlorocyclohexane Isomers	RA	NTP	Pesticide used to control lice and scabies in humans and animals <sup>*</sup>
Mercury	PBT	EPA	Light bulbs, appliances, computers, products containing fly ash, thermometers, thermostats <sup>†</sup>
Methoxychlor	PBT	EPA	Insecticide <sup>†</sup>
Methylene Chloride	RA	NTP	Chemical solvent, paint stripper, printing inks, automotive degreasing <sup>*</sup>
Mineral oils (untreated and mildly treated)	KHC	NTP	Lubricants <sup>*</sup>
Naphthalene	PBT, RA	EPA, NTP	Mothballs, dyes, leather goods, insecticides, wood preservatives, coal tar-based products <sup>*†</sup>
Nickel (metallic)	RA	NTP	Batteries <sup>*</sup>
Nickel compounds	KHC	NTP	Electroplated items <sup>*</sup>
Nitromethane	RA	NTP	Chemical solvent <sup>*</sup>
Nitropropane	RA	NTP	Solvent for inks, paints and varnishes <sup>*</sup>
Nitrosodimethylamine	RA	NTP	Control of nematodes <sup>*</sup>
PBDEs (octa, penta and deca)		EPA CAP	Furniture, carpeting, computers, other electrical equipment <sup>†</sup>
Pendimethalin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Pentachlorobenzene	PBT	EPA	Fire retardant, used to make the fungicide pentachloronitrobenzene (PCNB) <sup>†</sup>

## Preliminary Worksheet on Chemicals for Consideration in Green Procurement

Pentachloronitrobenzene	PBT	EPA	Fungicide (used as lawn chemical and to prevent slime in industrial water tanks) <sup>†</sup>
Pentachlorophenol	PBT	EPA	Wood preservative used on power line poles, railroad tracks, fences <sup>†</sup>
PFOS and PFOA		EPA CAP	Fabrics, paper, cookware, electronics, floor polishes <sup>Δ</sup>
Phenanthrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Polybrominated biphenyls (PBBs)	RA	NTP	Brominated flame retardant banned in the U.S. in the 1970s. May still be in imported products.*
Polychlorinated biphenyls (PCBs)	RA, PBT	NTP, EPA	Banned in the U.S. but may still be contaminant of some manufacturing processes.* <sup>†</sup>
Polycyclic aromatic hydrocarbons (PAHs)	PBT, RA	EPA, NTP	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust* <sup>†</sup>
Propylene oxide	RA	NTP	Glues, adhesives, caulking* <sup>‡</sup>
Pyrene	PBT	EPA	PAH, used to make dyes, plastics, pesticides, wood preservatives (creosote, coal tar, roofing tar), auto exhaust <sup>†</sup>
Selenium sulfide	RA	NTP	Fungicide* <sup>‡</sup>
Silica, Crystalline (respirable size)	KHC	NTP	Paint, primers, cleaning products* <sup>‡</sup>
Tetrachloroethylene (Perchloroethylene)	RA	NTP	Solvents (including dry cleaning), degreasers, graffiti removers, paint strippers, lubricants* <sup>‡</sup>
Tetrafluoroethylene	RA	NTP	Used in the production of Teflon* <sup>‡</sup>
Toluene Diisocyanate	RA	NTP	Floor and wood finishes* <sup>‡</sup>
Trichloroethylene	RA	NTP	Solvents, degreasers, graffiti removers, paint strippers, lubricants, carpet and upholstery cleaners* <sup>‡</sup>
Trifluralin	PBT	EPA	Herbicide (used on rights-of-way) <sup>†</sup>
Tris (2,3 Dibromopropyl) phosphate	RA	NTP	Flame retardant found in upholstery* <sup>‡</sup>
Urethane	RA	NTP	Sealants* <sup>‡</sup>
Vinyl chloride	KHC	NTP	Siding, piping, roofing, carpet, wall paper, shower curtains* <sup>‡</sup>
Vinyl fluoride	RA	NTP	Wall, pipe and electrical covering* <sup>‡</sup>

### Legend:

KHC = Known Human Carcinogen, RA = Reasonably Anticipated to be a Human Carcinogen, PBT = Persistent Bio-accumulative Toxin

EPA = EPA Waste Minimization Priority, EPA CAP = EPA Chemical Action Plans, NTP = National Toxicology Program 11th Report

† = from EPA Waste Minimization Priority Fact Sheet, Δ = from EPA Chemical Action Plan, \* = from NTP Substance Profile and/or NTP Report on Carcinogens Background Document

*This list was prepared for the consideration of the EO 4 Procurement Subcommittee by members of the EO4 Advisory Council.*

Revised 11/30/10

## **RECOMMENDATION:**

### ***Executive Order No. 4 Interagency Committee on Sustainability and Green Procurement Consideration of Chemicals in the Development of Green Specifications***

Executive Order No. 4 (EO 4) charges the Interagency Committee on Sustainability and Green Procurement with the development of green procurement specifications for use by state agencies and public authorities. When choosing priority categories and developing green specifications, EO 4 directs the Committee to consider, among other factors, commodities, services and technology that reduce or eliminate the health and environmental risks from the use or release of toxic substances; minimize risks of the discharge of pollutants into the environment; minimize the toxicity of packaging; protect public health and the environment, including children; and embody pollution prevention and sustainable production. The primary purpose of identifying chemicals to be aware of in green procurement is to assist the Interagency Committee on Sustainability and Green Procurement ("Committee") in meeting the goals of EO 4. An added benefit is informing the market of chemicals to be aware of in green procurement.

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In accordance with its practice since EO 4 was signed, the Committee shall continue to consider chemicals that pose potential health and environmental impacts, including, but not limited to, chemicals identified in the above sources, when developing green procurement specifications and evaluating existing standards and certification programs. The Committee may, depending on available resources, consider additional information that can be obtained with reasonable effort.

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**ACTION:**

Please show your support for getting cancer-causing and persistent toxic chemicals out of products by sending a letter before 12/23/10 to the

**NYS Office of General Services**

December 8, 2010

*Warning Tower, Empire State Plaza  
Albany, N.Y. 12242*

*FAX (518) 474-2437*

Dear Members of the Office of General Services:

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications".

We wish you to avoid toxic chemicals in products purchased by state agencies. If approved, this would be a major step in eliminating 85 chemicals that have been linked to many chronic disease-including cancers, asthma, autism, and neuro-developmental disorders in all age groups including children,

This policy will ultimately help to better protect the citizens of New York State and the state's environment and waterways from especially hazardous chemicals in products. *It is a positive and forward thinking policy proposal based on pollution prevention and sustainable production.*

The Recommendation would enable NYS to

- *Reduce or eliminate the health and environmental risks from the use or release of toxic substances;*
- *Minimize risks of the discharge of pollutants into the environment;*
- *Focus on especially hazardous toxic substances already being regulated by the federal government and now needs to be prioritized in procurement as well.*
- *This is a reasonable and sound approach from a public health and economic perspective.*
- *Each year OGS selects 32 products for contracts. If the Recommendation is approved, OGS could assess whether or not these products contain any of the 85 toxic chemicals and could select safer alternatives.*
- *We strongly support the inclusion of all the chemicals identified in the Recommendation, including the references to chemicals found in the US EPA Waste Minimization Priority List, Dept. of Health and Human Services National Toxicology Program Report on Carcinogens, List of Chemicals Known and Reasonably Anticipated to be Human Carcinogens, and the USEPA Chemicals in Action Plans being implemented under the Toxic Substances Chemicals Act.*

Thank you for your kind consideration.

*Signature*  
*address*

[Redacted signature and address]

Dear Members of the Office of General Services:

We are writing in support of the Recommendation titled "Consideration of Chemicals in the Development of Green Specifications".

FILED  
DEC 17 2010

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Thank you for your kind consideration.

Signature [Redacted]

address [Redacted]

December 12, 2010