

Probo.CI



CEC_CHCS — no.3531287

Partner for Change (No Beds) - 2018: Chemicals

Introduction

Chemical minimization programs are an extremely important part of any sustainability program. The use of certain chemical constituents in products and materials can have significant health repercussions for building occupants, patients, staff, and the community. Please use this section of the application to highlight how the facility is addressing the use and minimization/elimination of certain **chemicals of concern**.

Policy

- 1.** Does the facility contract for, or perform internally, a **hazardous chemical/material audit** by hospital department and update at least annually?
- ☒ Yes
☐ No

1.a Please attach hazardous chemical/material audit

- 2.** Does the facility have **chemical or purchasing policies** that identify and avoid **specific chemicals of concern** contained in products that may be hazardous to human health and the environment?

Yes ▼

2.a Please attach chemical or purchasing policies that address **chemicals of concern**:

Multiple policies can be attached via **zip file**, if necessary.

2.b Please check all **chemical constituents** included in the policy.

(Please note that non-chemical constituents, such as water, energy, and packaging are evaluated in the EPP portion of this application.)

- ☐ Bisphenol A and its structural analogues
☐ CA Proposition 65 listed chemicals (carcinogens and reproductive toxicants)
☐ Flame retardants, including chlorinated, brominated, and phosphate-based flame retardants
☐ Formaldehyde
☐ Latex

- ☐ Lead
- ☐ Mercury
- ☐ Persistent, Bioaccumulative, and Toxic substances (PBTs)
- ☐ Perfluorinated compounds
- ☐ Phthalates (DEHP, BBP, DnHP, DIDP, DBP, DINP, and DiBP)
- ☐ Polystyrene
- ☐ Polyvinyl chloride, or PVC
- ☐ Triclocarban
- ☐ Triclosan
- ☐ Volatile organic compounds (VOCs)
- ☒ Other prioritized chemical constituents

2.b.a Other prioritized chemical constituent (#1):

2.b.b Other prioritized chemical constituent (#2):

2.b.c Other prioritized chemical constituent (#3):

3. Has the facility developed a **fragrance-free policy** for staff?

- ☒ Yes
☐ No

3.a Please attach fragrance-free policy:

Green Cleaning

4. Has the facility **conducted an inventory** of all products used at the facility for cleaning and disinfection of surfaces?

- ☒ Yes
☐ No

Conducting an inventory can identify where the hospital may be using multiple products for the same purpose in different areas of the institution. Standardization of cleaning and disinfection products can lower costs and improve training effectiveness and safety.

5. Does the facility utilize any **Green Seal or UL ECOLOGO-certified** cleaning products?

Yes ▼

Please document **ALL** dollars spent on cleaning chemicals at your organization during 2017. For each type of cleaning product your organization selects below, a table will appear in which you need to enter **two numbers**--a value for green chemical spend and a value for conventional chemical spend on that particular product category. The table will **autocalculate** your total cleaning chemical spend and your % green spend for each category. If you are using 100% green certified chemicals for a product category, you **MUST** enter a zero for

conventional cleaning chemicals in the table. If you are using 100% conventional cleaning chemicals for a product category, you **MUST** enter a zero for green cleaning chemical spend. No points will be awarded for rows with **incomplete information**.

Practice Greenhealth defines a green cleaning chemical as a cleaning product that is certified under either a GreenSeal or UL Ecologo standard. If you are unsure if your product is certified under either a Green Seal or UL Ecologo standard, take a moment to confirm at:

Green Seal

UL Ecologo

The measured metric for green cleaning in 2017 is the **percent green cleaning spend on 5 target cleaning chemical categories** (general purpose, window/glass, bathroom, carpet, and floor cleaners). Percent green spend on other cleaning chemical categories (such as floor finishes, floor strippers, hand soap and laundry soap) will still be scored but will not be scored as part of the measured metric.

5.a Please select **ALL** cleaning products being used at the organization (conventional and green-certified):

- ☒ General purpose (hard surface) cleaners
- ☒ Window/glass cleaners
- ☒ Carpet and upholstery cleaners
- ☒ Bathroom/restroom cleaners
- ☒ Floor cleaners
- ☒ Floor strippers
- ☒ Floor finishes
- ☒ Laundry soaps/cleaners
- ☒ Hand soap
- ☒ Liquid dish soap
- ☒ Other

General purpose cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
General purpose cleaning chemicals	<u>5.a.a</u> <input type="text"/>	<u>5.a.b</u> <input type="text"/>	<u>5.a.c</u> <input type="text" value="0"/>	<u>5.a.d</u> <input type="text" value="0"/>

Window/glass cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Window/glass cleaners	<u>5.a.e</u> <input type="text"/>	<u>5.a.f</u> <input type="text"/>	<u>5.a.g</u> <input type="text" value="0"/>	<u>5.a.h</u> <input type="text" value="0"/>

Carpet and upholstery cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Carpet cleaners	<u>5.a.i</u> <input type="text"/>	<u>5.a.j</u> <input type="text"/>	<u>5.a.k</u> <input type="text" value="0"/>	<u>5.a.l</u> <input type="text" value="0"/>

Bathroom/restroom cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Bathroom/restroom cleaners	<u>5.a.m</u> <input type="text"/>	<u>5.a.n</u> <input type="text"/>	<u>5.a.o</u> <input type="text" value="0"/>	<u>5.a.p</u> <input type="text" value="0"/>

Floor cleaners

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Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor cleaners	<u>5.a.g</u> <input type="text"/>	<u>5.a.r</u> <input type="text"/>	<u>5.a.s</u> <input type="text" value="0"/>	<u>5.a.t</u> <input type="text" value="0"/>

Floor strippers

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor strippers	<u>5.a.u</u> <input type="text"/>	<u>5.a.v</u> <input type="text"/>	<u>5.a.w</u> <input type="text" value="0"/>	<u>5.a.x</u> <input type="text" value="0"/>

Floor finishes

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor finishes	<u>5.a.y</u> <input type="text"/>	<u>5.a.z</u> <input type="text"/>	<u>5.a.aa</u> <input type="text" value="0"/>	<u>5.a.ab</u> <input type="text" value="0"/>

Laundry soap

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Laundry soap	<u>5.a.ac</u> <input type="text"/>	<u>5.a.ad</u> <input type="text"/>	<u>5.a.ae</u> <input type="text" value="0"/>	<u>5.a.af</u> <input type="text" value="0"/>

Hand soap

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Hand soap	<u>5.a.ag</u> <input type="text"/>	<u>5.a.ah</u> <input type="text"/>	<u>5.a.ai</u> <input type="text" value="0"/>	<u>5.a.aj</u> <input type="text" value="0"/>

Liquid dish soap

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Liquid dish soap	<u>5.a.ak</u> <input type="text"/>	<u>5.a.al</u> <input type="text"/>	<u>5.a.am</u> <input type="text" value="0"/>	<u>5.a.an</u> <input type="text" value="0"/>

Other

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Other	<u>5.a.ao</u> <input type="text"/>	<u>5.a.ap</u> <input type="text"/>	<u>5.a.aq</u> <input type="text" value="0"/>	<u>5.a.ar</u> <input type="text" value="0"/>

Percent Green Spend on Cleaning Products

The measured metric for green cleaning is the **Total Percent Green Spend on 5 Target Cleaning Chemicals** which includes: general purpose cleaners, window/glass cleaners, bathroom/restroom cleaners, carpet cleaners and floor cleaners. Points are still awarded for providing data for other cleaning chemical types but only these 5 categories of cleaning chemicals **will count toward the measured metric** in 2018. Please ensure the facility provides cleaning chemical spend (both green certified and conventional) for as many types of products as the facility is using--but at least these 5.

Total Percent Green Spend on 5 Target Cleaning Chemicals (This is the measured metric for green cleaning in 2018)

Procurement type	Total \$ spent on 5 target green cleaning chemicals	Total \$ spent on conventional cleaners	Total (\$) spent on 5 target cleaning chemicals	% Green spend for 5 target cleaning chemicals
Total Spend	5.b 0	5.c 0	5.d 0	5.e 0

*The five target cleaning chemicals being considered as part of the measured metric for green cleaning in 2018 are: **general purpose cleaners, bathroom/restroom cleaners, window/glass cleaners, carpet cleaners and floor cleaners**.

Overall Percent Green Spend on Cleaning Chemicals

Procurement type	Overall \$ spent on green cleaning chemicals	Overall \$ spent on conventional cleaners	Overall (\$) Spent on all Cleaning Products	Overall % Green spend
Total Spend	5.f 0	5.g 0	5.h 0	5.i 0

- 6.** Has the facility, in collaboration with the **Infection Prevention & Control Committee**, instituted a **policy** and/or implementation plan that addresses **environmentally preferable cleaning** and addresses cleaning/ disinfection of major surfaces (as outlined in the Green Seal Certification Checklist, **Standard GS-42**)?

- ☒ Yes
☐ No

No points will be received for this question unless the policy or plan is attached. Policy/plan must specifically reference environmentally preferable or green cleaning practices.

6.a Please attach policy or plan addressing environmentally preferable cleaning and disinfection:

- 7.** Has the facility **inventoried** its use of **antimicrobial hand hygiene products**?

- ☐ Yes
☐ No

- 8.** Has the facility eliminated the purchase and use of antimicrobial hand hygiene products in **non-clinical areas**?

- ☐ Yes
☐ No

- 9.** Is your organization working to achieve the **NEW** Practice Greenhealth **Safer Hand Hygiene Goal**?

- ☒ Yes
☐ No

9.a Please describe progress toward the Practice Greenhealth Safer Hand Hygiene Goal:

Table B. Hand Hygiene Products

Dollars (\$) Spent	
Dollars spent on hand hygiene products that <u>do not contain triclosan or triclocarban</u>	10. <input type="text"/>
Dollars spent on ALL hand hygiene products	11. <input type="text"/>
% Total hand hygiene spend on products that do not contain triclosan or triclocarban	12. <input type="text" value="0"/>

This table is NEW in 2018, and is **unscored** for this awards year.

13. Has the facility **eliminated the purchase and use** of antimicrobial hand hygiene products **that contain triclosan or triclocarban** throughout the facility?

- ☒ Yes
☐ No

13.a Is the elimination of hand hygiene products containing triclosan or triclocarban encoded in an organizational policy?

- ☒ Yes
☐ No

13.a.a Please attach policy addressing elimination of hand hygiene products containing triclosan or triclocarban:

14. Has Environmental Services collaborated with the **Infection Control Committee** to identify areas where use of **disinfectants can safely be minimized or eliminated**?

- ☐ Yes
☐ No

15. Does the facility utilize **ultraviolet germicidal irradiation (UVGI)** technology for surface disinfection in any area of the organization?

- ☒ Yes
☐ No

15.a Please select the clinical areas where this technology is used:

- ☐ All patient rooms
☐ Isolation rooms
☐ OR
☒ Other

15.a.a What other areas is this technology used in:

16. Does the facility use vacuums certified by the Carpet and Rug Institute's **Seal of Approval/Green Label** program for commercial vacuums?

- ☐ Yes
☐ No

17. Does the facility utilize **automatic scrubbing machines** that use **only water** for floor cleaning?

- ☒ Yes
☐ No

17.a Was your facility able to reduce or replace other cleaning chemical use as a result of automatic scrubbing machines?

- ☐ Yes
☐ No

17.b Please describe replacement of chemicals as the result of automatic scrubbing machines:

18. Does the facility utilize **microfiber mops and cleaning cloths** as a mechanism to reduce water and chemical use, reduce cross contamination and ergonomic stress?

- ☐ Yes
☐ No

Sterilization and Disinfection

19. Does the facility utilize **medical instrument cleaners** that are certified by **EPA's Safer Choice Program** (formerly Design for the Environment- DfE)?

- ☐ Yes
☐ No

While GreenSeal and UL ECOLOGO are the preferred certifications for surface cleaning chemicals, cleaning of medical instrumentation is not covered by these certification programs. EPA's Safer Choice program certifies medical instrument cleaners.

20. Has the facility eliminated the use of the high-level disinfectant **glutaraldehyde** and moved to safer alternatives (as defined by the **ICRA process** involving Infection Prevention & Control and Employee Health)?

- ☒ Yes
☐ No

An **Infection Control Risk Assessment (ICRA)** is a multidisciplinary, organizational, documented process that after considering the facility's patient population and program The **ICRA process** focuses on reduction of risk from infection, acts through phases of facility planning, design, construction, renovation, facility maintenance, and coordinates and weighs knowledge about infection, infectious agents, and care environment, permitting the organization to anticipate potential impact.

20.a What alternatives to glutaraldehyde are used?

- ☐ OPA (ASP Cidex OPA, Metrex Metricide OPA)
☐ Hydrogen peroxide
☒ Other

20.a.a Please describe other alternatives to glutaraldehyde being used:

21. In the product evaluation/value analysis process, does the facility seek to avoid products where disinfection with **glutaraldehyde** is required by manufacturer warranty?

- ☒ Yes
☐ No

21.a Please describe process used to avoid products where glutaraldehyde is required.

22. Has the facility **eliminated** the use of the sterilant **ethylene oxide (EtO)** onsite ?

- ☒ Yes
☐ No

22.a What alternatives to EtO are used?

- ☐ Steam Sterilization
☐ Ozone plasma (3M Optreoz with TSO3 Sterizone technology)
☐ Low temperature hydrogen peroxide gas plasma (Sterrad)
☐ Peracetic Acid (Steris 1 or 1E)
☒ Other

22.a.a Please describe other alternatives to EtO being utilized:

23. In the product evaluation/value analysis process, does the facility seek to avoid products where disinfection with **ethylene oxide (EtO)** is required by manufacturer warranty?

- ☒ Yes
☐ No

23.a Please describe process used to avoid products where ethylene oxide is required.

24. Has the facility purchased **automatic machine washers/disinfectors** to replace manual high-level disinfection to minimize staff exposure to liquid high-level disinfectants?

- ☐ Yes
☐ No

Integrated Pest Management

Integrated Pest Management (IPM) is an approach to managing pests that protects health and the environment. Learn more at: **IPM Frequently Asked Questions**

25. Has the facility **reduced or eliminated** the use of **chemical pesticides** by implementing an IPM program?

- ☒ Yes
☐ No

25.a Please describe IPM program:

26. Has the facility developed a **written IPM plan/policy** for the facility that includes attention to both indoor and outdoor (buildings and grounds) pest habitats and issues, which focuses on prevention as the primary means of pest management? (see **checklist** for prevention strategies)

- ☒ Yes
☐ No

26.a Please attach IPM plan or policy:

27. Has the facility **designated an IPM coordinator** to oversee pest management?

Select an option... ▼

28. Does the facility **require EVS** or other relevant staff to be **trained in IPM**? (In particular, are staff trained to monitor and prevent pest problems by spotting conditions that are conducive to pest infections?)

- ☐ Yes
☐ No

29. Does the facility use a **comprehensive checklist** as part of an **annual pest management audit**, focusing on strategies to reduce pests through non-chemical means? (see checklist example)

- ☐ Yes
☐ No

DEHP and PVC

30. Does the facility have a **DEHP** and **PVC** reduction program for medical products?

- ☒ Yes
☐ No

30.a Please describe the facility's **DEHP** and **PVC** reduction program.

30.b Is the commitment to reduce the purchase of medical supplies made with **DEHP** and **PVC** encoded in a written policy or plan?

- ☒ Yes
☐ No

30.b.a Please attach the policy or plan addressing **DEHP** and **PVC** elimination:

31. Has the facility eliminated both **DEHP** and **PVC** from at least **two** product lines?

Yes ▼

31.a Please select all product lines that are **both DEHP** and **PVC**-free:

- ☐ Breast Pumps and accessories
☐ Enteral Nutrition Products, including all tubing
☐ Parenteral Infusion Devices and Sets
☐ General Urological (irrigation/urology sets and solutions, urinary catheters)
☐ Exam Gloves
☐ Vascular Catheters including Umbilical Vessel Catheters
☐ Nasogastric Tubes
☒ Other

31.a.a Please list other **DEHP** and **PVC-free** product lines:

Healthy Interiors

32. Does the facility purchase **paints, adhesives and sealants** that are **low or no VOC**?

- ☐ Yes
☐ No

33. Does the facility require furniture to meet an environmental standard/certification or obtain LEED HC credit?

Yes ▼

33.a Choose all the **Multiple Attribute** certifications that apply:

- ☐ BIFMA level
☐ Cradle to Cradle
☒ Other

33.a.a Please describe which other Multiple Attribute certifications the facility is using:

33.b Choose all the **Single Attribute** certifications that apply:

- ☐ UL Greenguard Gold (VOCs only)
- ☐ Forest Stewardship Council (wood only)
- ☐ California Section 01350 (VOCs only)
- ☐ RoHS (hazardous substances only)
- ☐ SCS Indoor Advantage Gold (VOCs only)
- ☐ ANSI/BIFMA X7.1 (VOCs only)
- ☐ Global Organics Textile Standard (GOTS)
- ☐ Oeko-Tex® Standard 100
- ☒ Other

33.b.a Please describe which other Single Attribute certifications the facility is using:
34. Does the facility **refurbish or reupholster furniture** for reuse?

- ☐ Yes
- ☐ No

Please report dollars spent on furnishings and furniture **that eliminate the use** of all of the following target chemicals: flame retardants, formaldehyde, perfluorinated compounds, **PVC** (vinyl) and antimicrobials. Please also include the **total dollars spent on ALL** furnishings and furniture (including medical and non-medical) to determine **% Spend on Healthy Interiors** in Table C below.

Furnishings and furniture include surfaces (tables, desks, etc.), built-in and modular casework, seating (chairs, stools, sofas, benches, etc.), systems (walled desks with seating), beds (including mattresses), cubicle curtains, window coverings, panels and partitions, storage (cabinets, filing cabinets, dressers, drawers), and shelving (bookshelves, built-in shelves, etc.).

Table C. Healthy Interiors

Healthy Interiors % Spend	Dollars (\$) Spent
Dollars spent on furnishings and furniture that eliminate all of the target chemicals	35. <input type="text"/>
Dollars spent on ALL furnishings and furniture (including medical and non-medical)	36. <input type="text"/>
% Total spend on furnishings and furniture that eliminate target chemicals of concern	37. <input type="text" value="0"/>

38. Is **30% of total spend** on furnishings and furniture free of the target **chemicals of concern**?

- ☐ Yes
- ☐ No

Mercury**39.** Has the facility won the **Making Medicine Mercury Free Award (MMMF)**?

- ☐ Yes
- ☒ No

The following questions must be answered in order to show that mercury has been addressed at some level at the facility to be considered for the Partner for Change Award. However, this is NOT the Making Medicine Mercury Free (MMM) Award application. To apply for MMM, go to your facility Dashboard, click "Start an New Application" and select Making Medicine Mercury Free under "Application Type."

For a list of mercury-containing items in a hospital setting and guidelines to identification and elimination, see Practice Greenhealth's: [Mercury Elimination Strategies](#)

Note to Applicants: all requested policies in this section must be attached.

39.e Has the facility established a **mercury-free purchasing policy** (a stand-alone policy or included in a broader policy with other constituents of concern)?

- ☒ Yes
☐ No

39.e.a Please attach mercury-free purchasing policy:

39.f Has the facility established **protocols and written procedures for safe handling** of any mercury remaining onsite?

- ☒ Yes
☐ No

39.f.a Please attach written procedures for safe handling of mercury:

39.g Has the facility included proper **mercury disposal language in demolition contract** templates?

- ☒ Yes
☐ No

39.g.a Please attach demolition contract mercury disposal contract language:

39.h Has the facility included mercury-free language in **building and renovation contract** templates?

- ☒ Yes
☐ No

39.h.a Please attach mercury free building and renovation contract language:

Mercury in the Clinical Arena

39.i Has the facility **inventoried** (and labelled where possible) all mercury devices/sources within the organization and have a **plan in place** to substitute non-mercury devices?

- ☒ Yes
☐ No

39.i.a Please attach inventory of mercury devices/sources:

39.j Has the facility **replaced all clinical thermometers with mercury-free** patient thermometers?

- ☐ Yes
☐ No

39.k Has the facility **eliminated** the use of mercury-containing **blood pressure devices** (sphygmomanometers)?

- ☐ Yes
☐ No

39.l Has the facility **eliminated** the use of mercury-containing **clinical devices** (e.g., bougies, miller-abbott tubes, cantor tubes, dilators)?

- ☐ Yes
☐ No

39.m Has the facility purchased mercury amalgam separators for installation at all **dental chairs**?

- ☐ Yes
☐ No
☐ No Dental Chairs

Mercury in the Laboratory

39.n The facility specifies and purchases, where possible, these **laboratory items mercury-free**:

- ☐ Thermometers
☐ Solutions
☐ Equipment

39.o Has the applicant spoken with the lab manager to **inventory mercury-containing laboratory chemicals** ?

- ☒ Yes
☐ No

39.o.a Lab Manager **Name**:

39.o.b Lab Manager **Title**:

39.o.c Date of communication:

Please share these resources with your lab manager:

For a list of mercury-containing items in a hospital setting and guidelines to identification and elimination, see Practice Greenhealth's: **Mercury Elimination Strategies**
39.p Has the laboratory eliminated the use of mercury-containing **B5 fixative**?

- ☒ Yes
☐ No

39.p.a B5 replacement:
39.q Has the laboratory eliminated the use of mercury-containing **Zenkers solution**?

- ☒ Yes
☐ No

39.q.a Zenkers replacement:
39.r Has the facility identified other **product substitutions** in the lab that eliminate mercury?

- ☒ Yes
☐ No

Please indicate the name of the new product(s) and the name of the replaced mercury-containing product(s) in Table C.
Table D. Mercury-free Product Substitutions

Name of mercury-free product	Name of product with mercury (replaced)
39.r.a <input type="text"/>	39.r.b <input type="text"/>
39.r.c <input type="text"/>	39.r.d <input type="text"/>
39.r.e <input type="text"/>	39.r.f <input type="text"/>

Other Program Successes

Please describe below any other **innovative techniques or initiatives (not mentioned above)** used to reduce your organization's use of **chemicals of concern** in 2017. Please feel free to provide commentary and/or attach supporting files.

40. Chemicals of Concern Success 1: Please describe

41. Please attach any additional documentation (optional) for **Chemicals of Concern** Success 1:

42. Chemicals of Concern Success 2: Please describe

43. Please attach any additional documentation (optional) for **Chemicals of Concern** Success 2:

44. Chemicals of Concern Success 3: Please describe

45. Please attach any additional documentation (optional) for **Chemicals of Concern** Success 3:
