



Green Housekeeping

Statement of Purpose

The goal the Metropolitan Government of Nashville-Davidson County, Nashville Public Library housekeeping program is to maintain a truly healthy learning and working environment. Our focus is on cleaning for health, not just appearance.

Custodial staff receive training on green cleaning. They use energy-efficient equipment selected to have less environmental impact—low moisture processes, quieter operation, higher filtration, and lower emissions.

Our **custodial staff** uses Green Seal Certified cleaning products. Our paper products are also Green Seal Certified, including 100% recycled paper towels and toilet tissues.

Recycling allows us to reduce our burdens on the environment as a result of both solid waste disposal and the extraction of the natural raw materials. We recycle mixed paper, cardboard, cans and type 1 (PETE) and 2 (HDPE) plastics.

Low Environmental Impact Cleaning Policy

The Metropolitan Government of Nashville-Davidson County, Nashville Public Library is committed to providing a healthy and productive learning and working environments and continuing to work toward reducing the environmental impact at all public buildings and administrative office facilities. This policy is intended to be adaptable to changing needs of the building occupants, and based on monthly management reviews of cleaning performance.

This policy outlines sustainability criteria for cleaning products, disposable janitorial paper products and trash bag liners, as well as training and cleaning equipment criteria for the project. The attached scope of service outlines the daily schedule for building cleaning.

I. Cleaning Products

A. Cleaning Chemicals, Disinfectant, Metal Polish, Floor Finish

- Envirox, Concentrate 118 (*see Attachment A*)

B. Disposable **Janitorial Paper Products & Plastic Trash Bags**

- Kimberly Clark Scott 1 Ply White Roll Hand Towel
- Xpedx Reliable 1000 ft bathroom tissue
- Xpedx Regency can liners 60 x 33 (20 percent post consumer)
- Xpedx Regency can liners 20x 22 (20 percent post consumer)

C. **Hand Soaps and hand sanitizers**

- * EZ Hand Hygiene (*see Attachment B*)

D. **Chemical concentrates and dilution systems:** Metro will strive to use chemical concentrates and portion-controlled dilution systems whenever possible as an alternative to open dilution systems or non-concentrated products. This can greatly reduce packaging, transportation costs, and chemical consumption. Furthermore all cleaning chemicals will be either stored off-site or in properly ventilated custodial closets to ensure the best possible indoor air quality.

II. **Training for Custodial staff:** Custodial staff receive initial and ongoing training in the safe handling, use, maintenance and disposal of cleaning chemicals. Employees should also be trained in any dispensing equipment and packaging. Documentation of specific training is kept on file.

III. **Cleaning Equipment:** Metro strives to meet the following criteria for cleaning equipment used by custodial vendors and/or staff:

- #### A. **Vacuum cleaners** must meet the requirements of the Carpet and Rug Institute Green Label Testing Program – Vacuum Cleaner Criteria (www.carpet-rug.org). Vacuum cleaners must also be capable of capturing 96% or particulates 0.3 microns in size and operate with a sound level less than 70dBA.

Santire Green line commercial vacuum (*see Attachment C*)

- B. **Hot water extraction equipment** for deep cleaning carpets must be capable of removing sufficient moisture such that carpets can dry in less than 24 hours.

Tornado (see Attachment D)

- C. Where appropriate, **active micro fiber technology** should be used to reduce cleaning chemical consumption and prolong life of disposable scrubbing pads.
 - D. A **log** will be kept for all powered housekeeping equipment to document the date of equipment purchase and all repair and maintenance activities and include vendor cut sheets for each type of equipment in use in the logbook.
- IV. **Turning Lights off:** The custodial staff must perform work in the most energy efficient way in terms of lighting use. Buildings can be cleaned floor-by-floor or task by task, but lights should not be left on more than 30 minutes without any persons present in the space.

FREQUENCY SCHEDULE

SERVICES	TASK	FREQUENCY	DAYS
<i>Public Entrance</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, PERFORM ROUTINE VACUUMING, SWEEPING AND CARPET SPOTTING.	DAILY	M,T,W,R,F
	EXTRACT ALL CARPET.	MONTHLY	MONTHLY
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Public Computer, Reading, Private Study, Conference Room</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, PERFORM ROUTINE VACUUMING, SWEEPING, CARPET SPOTTING AND WET MOP ALL LINOLUM FLOORS.	DAILY	M,T,W,R,F
	WIPE PUBLIC COMPUTERS AND EQUIPMENT, PERFORM HIGH CLEANING ON ALL WALLS AND HORIZONTAL SURFACE AREAS INCLUDING MECCO SHADES. DUST AND DAMP WIPE ALL VERTICAL SURFACES SUCH AS DESK KNEE WELLS, CHAIRS, TABLES, SHELVING, WORK SURFACES AND MISCELLANEOUS SURFACE (PERSONAL OFFICE SUPPLIES EXCLUDED) ACCESSORIES.	WEEKLY	WEEKLY
	EXTRACT ALL CARPET.	MONTHLY	MONTHLY
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Kitchen, Vending and Break Room</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, CLEAN WASHBASINS, PERFORM WET MOP ON ALL LINOLEUM FLOORS, EMPTY TRASH, QUARTZ AND PLASTIC LAMINATE COUNTERTOP CLEANING WITH THE APPROPRIATE CLEANER. INSURE THAT NO STREAKS OR RESIDUE REMAINS.	DAILY	DAILY
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Staff Services</i>	CLEAN DOOR KNOBS AND HANDLES AND WIPED WITH CLEANER, PERFORM WET MOP ON ALL LINOLEUM FLOORS.	DAILY	DAILY
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Staff Office</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, PERFORM ROUTINE VACUUMING, SWEEPING, CARPET SPOTTING AND EMPTY TRASH.	DAILY	M,T,W,R,F
	PERFORM HIGH CLEANING ON ALL WALLS AND HORIZONTAL SURFACE AREAS INCLUDING MECCO SHADES. DUST AND DAMP WIPE ALL VERTICAL SURFACES SUCH AS DESK KNEE WELLS, CHAIRS, TABLES, SHELVING, WORK SURFACES AND MISCELLANEOUS SURFACE (PERSONAL OFFICE SUPPLIES EXCLUDED) ACCESSORIES.	WEEKLY	WEEKLY
	EXTRACT ALL CARPET.	MONTHLY	MONTHLY
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Back-Of-The-House Service, Storage</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, PERFORM ROUTINE SWEEPING.	DAILY	M,T,W,R,F
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Restroom</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, ROUTINE CLEANING, PERFORM WET MOP ON ALL LINOLEUM FLOORS, QUARTZ AND PLASTIC LAMINATE COUNTERTOP CLEANING WITH THE APPROPRIATE CLEANER. INSURE THAT NO STREAKS OR RESIDUE REMAINS.	DAILY	M,T,W,R,F
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY
<i>Internal Corridor</i>	CLEAN DOOR KNOBS/HANDLES AND WIPED WITH CLEANER, PERFORM WET MOP ON ALL LINOLEUM FLOORS.	DAILY	M,T,W,R,F
	CLEAN LIGHT FIXTURES.	ANNUALLY	ANNUALLY

ATTACHMENT A



Concentrate 118™

THE ONLY EPA REGISTERED

**Stabilized Hydrogen Peroxide
Sanitizer-Virucide*-HBV**
Neutral pH**

Cleans glass, counters, marble, walls, white boards,
grout, urinals, tile, carpet, VCT flooring and more!



CONCENTRATE 118™

General Cleaning

- 95% of general cleaning needs.
- Only 2 dilutions.
- Use on any water-safe surface.

Degreaser

- Cuts grease with neutral pH.
- Use on any water-safe surface.
- Grease-free, residue-free results.

Deodorizer

- Kills odor causing bacteria.
- Penetrates surfaces, oxidizes and kills source of odor.

Sanitizer

- Kills 99.99% of common bacteria (Staphylococcus aureus, Salmonella choleraesuis, Klebsiella pneumoniae, Pseudomonas aeruginosa, Streptococcus faecalis, and Escherichia coli).

Virucide*

- Kills 99.9% specified viruses (Herpes Simplex Virus Type 2**, Influenza A2/ Japan, and HIV-1).

HBV***

- Kills 99.9% of Hepatitis B**.

E2B2™ Wall Mount Dispenser



From the inventors of



800-281-9604 • www.EnviroXClean.com

Concentrate 118 Facts

The EPA categorizes products into four toxicity categories based on six toxicity studies: 1) acute oral; 2) acute dermal; 3) dermal sensitization; 4) acute inhalation; 5) primary eye irritation; and 6) primary skin irritation. Products that are most toxic in these studies are considered Category I (DANGER signal word), and those that are least toxic are Category IV. Products in Category IV do not require any cautionary labeling. Products in Category III require a CAUTION signal word, but require no special handling or protective equipment. Concentrate 118 falls into either Category III or Category IV for all toxicity studies. The following are details of Concentrate 118 toxicity testing:

1. Acute Oral Toxicity LD50 = >4432 mg/kg. Acute Dermal Toxicity LD50 = >4432 mg/kg.
2. Based on raw material ingredients, all product formulations do not contain known carcinogens or reproductive toxins.
3. Acute Dermal Irritation LD50 = >2000 mg/kg.
4. Concentrate 118 is not corrosive to eyes, but can be a mild irritant. In use dilutions are non-irritating.
5. Flash Point = >200 F.
6. Acute Aquatic Toxicity LC50 => 100mg/kg (heavy duty dilution).
7. Based on raw materials, ingredients are biodegradable.
8. Based on raw material ingredients, use dilutions do not contribute to eutrophication (no phosphates).
9. Product is sold as a concentrate.
10. Product's primary packaging is recyclable with a 25% PCR content.
11. Concentrate = 4.4 (+/- 0.5) pH. All water dilutions = neutral.

Clean with the Power of Hydrogen Peroxide!

9-855-118B

*When used as directed Concentrate 118™ is EPA registered to kill Herpes Simplex Virus Type 2**, Influenza A2/Japan, HBV (Hepatitis B Virus)** and HIV-1 (Human Immunodeficiency Virus).
**Except in California.



CONCENTRATE 118™ = SIMPLE

The most value you'll find in one product.

1 Product with 2 Dilutions = 95% of General Cleaning

Concentrate 118™ replaces:

- glass cleaner
- stainless steel polish/cleaner
- neutral floor cleaner
- restroom cleaner
- sanitizer/virucide
- carpet spotter
- carpet cleaner detergent
- food degreaser
- deodorizer
- tile & grout renovator
- **and much more!**



... that's ONE dispenser and ONE chemical to purchase for almost ALL of your cleaning tasks.

Surprising and Welcome Savings

- Fewer products = Easier procurement.
- Safe to use on all water-safe surfaces. No surface damage in your facility from product misuse!
- Safer, healthier product = healthier environment = increased productivity and fewer sick days.
- Competitive RTU cost... All these benefits without hurting your bottom line.
- Getting bacterial and viral kill on all hard non-porous surfaces means fewer sick days for workers, students and occupants.
- Concentrate 118™ Training Video. Easily train custodial staff with minimal effort and time.

Clean, Sanitize and Kill Viruses* in 5 minutes with ONE Product

- Concentrate 118™ is an EPA registered Sanitizer/Virucide, multi-purpose cleaner/degreaser.

*When used as directed Concentrate 118™ is EPA registered to kill Herpes Simplex Virus Type 2**, Influenza A2/Japan, HBV (Hepatitis B Virus)** and HIV-1 (Human Immunodeficiency Virus).
**Except in California.

KUTOL

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PRODUCT TYPES

[General Purpose](#)

[Antibacterial](#)

[Hand Sanitizers](#)

[Heavy Duty](#)

[Shower & Shampoo](#)

[Moisturizers & Protective Creams](#)

GENERAL PURPOSE

Foaming Luxury Hand Soap 69041, 69024, 69078, 64431, 69009

Luxurious foaming soap with a very appealing tropical fragrance. Contains Aloe and Vitamin E. Economical and soft-dispensing, a favorite among end-users.

MSDS

Click on system below for more photos and info

Foaming Dye & Fragrance Free Hand Soap 68641, 68631

Same great formula as the Foaming Luxury, but without dye or fragrance, for wall mount and countermount dispensers.

MSDS

CODE	SYSTEM	SIZE / PACK
69041	EZ Hand Hygiene	1000mL / 6
69024	EZ Hand Hygiene NO TOUCH	1000mL / 2
69078	Clean Shape	950mL / 8
64431	EZ Foam Counter Mount	1000mL / 4
69009	Pour Gallon	1 gallon / 4
DYE & FRAGRANCE FREE:		
68631	EZ Foam Counter Mount	1000mL / 4
68641	EZ Hand Hygiene	1000mL / 6

GENERAL PURPOSE PRODUCTS

[Green & Clean Hand Soap](#)

[Pink Lotion \(Transparent\)](#)

[Green Lotion Skin Cleaner](#)

[Enriched Lotion Soap](#)

[Golden Pearl Lotion Soap](#)

[Lotion Velvet](#)

[All Purpose Foaming Gallons](#)

[Gentle Green](#)

[Pink Lotion \(Opaque\)](#)

[550 Pink Pearled](#)

[Fragrance Free Dye Free](#)

[Foaming Moisture Wash](#)

[Foaming MW D & F Free](#)

[Foaming Luxury Hand Soap](#)

ATTACHMENT C

Contractor Uprights

MODEL SC883

This unit's durable features make maintenance a snap. Part of our flagship upright line, this upright is CRI Green Label certified to provide premium filtration for cleaner indoor air.

Other Great Features:

- 7 Amps of Power
- Disposable Dust Bag System
- 50' Quick Change Power Cord

[Owners Guide](#) ▶ [Repair Parts List](#) ▶



Sanitaire
by
Electrolux



SPECIFICATIONS

Power	7 amp
Filtration	Allergen
Container	Disposable Dust Bag
Dust Capacity	9.5 dry qts.
Cleaning Path	12"
Cord Length	50'
Tools	N/A
Hose	N/A
Motor CFM	145
dB per ASTM	79

PACKAGING

UPC Code	0 2316912084 6
Package Dimensions LxWxH	22.75x17.5x8.5
Package Weight	22.5 lbs.

PARTS

Disposable Dust Bag	ST - 63213
Filter	N/A
Belt	52100B
Brushroll	53270

Model SC883 is ideal for:

- Healthcare
- Education
- Food Service
- Government
- Building Services

ATTACHMENT D



A better way to clean.

Marathon Carpetrinser Family of Upright Extractors

- 100 p.s.i. without Heat
- 200 p.s.i. with Heat
- 400 p.s.i. with "Perfect Heat"

Power, Efficiency, Mobility and Value in a Portable Extractor



Professional Results of a Truckmount

Whether you're a certified carpet technician or a carpet cleaning specialist, you will appreciate the features of Tornado's® complete line of professional grade portable carpet extractors designed for daily, interim or deep restoration cleaning. Available in 100 p.s.i. without heat, 200 p.s.i. with heat and 400 p.s.i. with Perfect Heat, you can clean everything from heavily soiled carpets to drapes and upholstery.

Power, Longevity and Ease-of-Use

Constructed of durable rotationally molded polyethylene, these units reflect Tornado's commitment to design standards that will endure the rigors of daily usage. Because of their compact vertical design, ease of storage, mobility and operation, Tornado Marathon Upright Extractors are well-suited for use by in-house cleaning crews, carpet technicians, contractors, schools, hotels, and restaurants. All models are lightweight with a low-center-of-gravity bladder system and include user-friendly, waist-high control switches to accommodate operators of all sizes.

All three powerful units are designed with 13 gallon solution and 11 gallon recovery tanks and twin, 2-stage 1.6 hp vacuum motors that generate anywhere between 107" to 160" of static waterlift, delivering faster dry-times and a safer, drier indoor environment. Tornado's innovative design features a hinged, clam shell design that allows easy access to the pump and heater for simple maintenance and increased machine up-time.

Perfect Heat for Deep Cleaning

With the highest portable temperatures in the industry, Tornado's patented Perfect Heat™ technology takes advantage of the heat generated by the vacuum motors to heat the water and solution for deep cleaning. This heated water is then fed into the electric heater to generate water temperatures up to 212 degrees (heated models) or it is sent to the extraction tool (non-heated model). Requiring less amperage and no additional electric power, this heating process is simple and dependable, and maintains the highest portable temperatures in the industry from start to finish. What's more is when the Marathon Carpetrinser 400 p.s.i. with Perfect Heat is tested against other competitive models, an average temperature of 174 degrees is maintained throughout the cleaning process, which is over 40 degrees higher than competitor's traditional heated extractors.

Optional Tools to Fit Your Needs

The Marathon Carpetrinser Line of upright extractors comes complete with a 20 foot "insider" hose, combining both the vacuum and solution line into a single, no-tangle hose. The three units can be used with optional accessories including a 10" standard drag wand, 12" deluxe drag wand, 12" professional drag wand for 101 p.s.i. or greater, or a 20 foot vacuum hose for 400 p.s.i. or less. Additional optional accessories include a crevice detailer, hand, upholstery and stair tools.

And they're only from Tornado.

Marathon Carpetrinser Line of Upright Extractors. Power, Efficiency, Mobility and Value in a Portable Extractor

Key Features

- 10" standard or 12" deluxe or professional drag wands available for wide and efficient cleaning paths for increased productivity
- Dual, 2-stage vacuum motors provide superior solution recovery for carpets that dry faster
- Three pumps available in 100 p.s.i. without heat, 50-200 p.s.i. (adjustable) with heat and 50-400 p.s.i. (adjustable) with Perfect Heat for maximum cfm and increased cleaning flexibility
- Simple to fill port can be filled by bucket or hose
- Compact size for simple transport and maneuverability
- 20' no-tangle, integrated hose that combines both the vacuum and solution lines into one
- Large "stair climbing" wheels and front mounted carrying handle to maneuver up and down stairs
- 5 year warranty for housing and frame, 1 year warranty for vacuum motor, heater, pump and workmanship



Easy To Transport

The dolly-type design makes transporting a breeze. With large non-marking rubberized wheels and durable front-mounted swivel castors, the units can be easily transported from one job to another or taken up a flight of stairs.



Ease of Use

The control panel and hose hook-ups are conveniently located at the top of each model. All switches are fitted with molded vinyl covers to protect them from moisture.



Smart Design

The recovery and solution tanks are both accessed at the top of the units and feature large openings for ease of fill and rinsing. The recovery tank features a float that cuts off suction when the tank reaches capacity to protect the vac motors. The large center-pull drain valve is located at the rear of the unit, which allows rapid removal of soiled solution into a floor drain or bucket.



Simple Access to Pump and Heater

For fast and easy maintenance and increased machine up-time, the clam shell design allows quick access to the pump and heater



MARATHON 2-100
MARATHON 2-200 WITH HEAT
MARATHON 2-400 WITH PERFECT HEAT



PRODUCT SPECIFICATIONS			
MODEL	MARATHON 2-100	MARATHON 2-200	MARATHON 2-400
CATALOG NUMBER	98250	98252H	98255PH
MACHINE DIMENSIONS			
L X W X H	34.5" x 22" x 45"	34.5" x 22" x 45"	34.5" x 22" x 45"
NET WEIGHT	108 lbs.	108 lbs.	110 lbs.
SOLUTION TANK	13 gallon	13 gallon	13 gallon
RECOVERY TANK	11 gallon	11 gallon	11 gallon
CORD	Pig Tail	Pig Tail	Pig Tail
DESIGN CHARACTERISTICS			
BODY CONSTRUCTION	Polyethylene	Polyethylene	Polyethylene
SOL. / VAC. HOSE	1.5" x 20' Hose	1.5" x 20' Hose	1.5" x 20' Hose
WHEEL DIMENSIONS	8" non-scurr soft rear / 3" swivel casters	8" non-scurr soft rear / 3" swivel casters	8" non-scurr soft rear / 3" swivel casters
TRANSPORT HANDLE	Standard	Standard	Standard
DUMP SYSTEM	Hose on back of unit	Hose on back of unit	Hose on back of unit
CORROSION PROOF COMPONENTS	* MEK type front and rear wheel *PE material	* MEK type front and rear wheel *PE material	* MEK type front and rear wheel *PE material
CLEANING SYSTEM			
VACUUM HEAD TYPE	Sound insulated	Sound insulated	Sound insulated
CFM	97	97	97
WATER LIFT	150"	150"	150"
PSI	100	50-200	50-400
FILTRATION	Pump Protection Filters	Pump Protection Filters	Pump Protection Filters
ON BOARD TOOLS	No	No	No
MOTORS			
MOTOR TYPE	Dual 2-stage 1.6 HP	Dual 2-stage 1.6 HP	Dual 2-stage 1.6 HP
SOUND LEVEL	82 dB	82 dB	82 dB
OPTIONAL ACCESSORIES			
10" STANDARD DRAG WAND FOR 100 PSI OR LESS	98393	98396	N/A
12" DELUXE DRAG WAND FOR 100 PSI OR LESS	98394	98396	N/A
12" PROFESSIONAL DRAG WAND FOR 101 PSI OR MORE	N/A	N/A	98396
20' VAC HOSE	95569	95569	95567 for 200-400 p.s.i.+
STANDARD UTILITY HAND TOOL	98340	98340	98340
CREVICE DETAILER EXTRACTION TOOL	98342	98342	98342
UPHOLSTERY HAND TOOL	98343	98343	98343
UTILITY STAIR TOOL	98344	98344	98344
WARRANTY			
	•5 year: housing and frame •1 year: vacuum motor, heater, pump, parts and labor	•5 year: housing and frame •1 year: vacuum motor, heater, pump, parts and labor	•5 year: housing and frame •1 year: vacuum motor, heater, pump, parts and labor



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