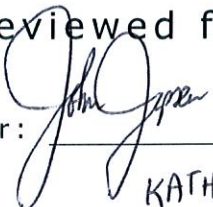


*SUSTAINABLE STANDARDS

*With Client consent related to some products

Section reviewed for procedures compliance.

Regional Manager:  Date: 1/2/16
Unit Director: KATHY O'SHEA Date: 1/2/16
Unit Name: UMASS MEMORIAL MEDICAL CENTER Unit#: 1247

*Fax signed form each year to your Divisional Executive Assistant.

CROTHALL HEALTHCARE, INC.

Procedure 14.01: Sustainable Chemicals and Tools Standard

Date Issued: 10/1/2015

Supersedes: 10/1/2011

Approved by: Rich Feczko

Purpose:

Utilize and record the use of Green/Sustainable chemicals and tools in accordance to EVS Policy & Procedure 1.03.

Procedure:

1. Use approved chemical and tools product list to implement green/sustainable chemical program.
 - i. Including but not limited to:
 1. Micro fiber
 2. Floor Finish Applicators
 3. Neutral Cleaner
 4. Non Ammoniated Glass Cleaner
 5. Carpet Cleaning CRI Certified (Carpet & Rug Institute)
 6. Entrance Exit Matting
2. No less than 60% of the chemical & tool costs (with the exception of disinfectant) are required to be registered/certified as green or sustainable. This also meets with Cleaning Industry Management Standard (CIMS) requirements.
3. Use the approved dispensing/dilution system in concert with the green/sustainable chemicals
4. Entrance / Exit Matting should equal 10' in length with a documented maintenance schedule available
5. Incorporate all applicable training related to the use of green chemicals and tools
 - i. Including but not limited to:
 1. Orientation Training
 2. CHAT
 3. Annual Training
 4. Vendor Training (i.e.; Green Guard)
 5. Management Training
6. Semi Annually request a summary report from the approved chemical vendor to summarize unit compliance (see #2 above)
7. Semi Annually request a summary report from the approved tool vendor to summarize unit compliance (see #2 above)
8. Maintain equipment purchase and repair inventory and update accordingly
9. Maintain compliance records for no less than 5 years
10. See sample summary record (next page)

CROTHALL HEALTHCARE, INC.

Procedure 14.02: Sustainable Equipment Standard

Date Issued: 10/1/2015

Supersedes: 10/1/2011

Approved by: Rich Feczko

Purpose:

Utilize and record the use of Green/Sustainable Equipment in accordance to EVS Policy & Procedure 1.03.

Procedure:

1. Use approved equipment product list to adhere to green/sustainable equipment program.
 - i. Examples include but not limited to:
 1. Tennant Ech2O ✓
 2. Kaivac ✓
 3. Clarke Boost ✓
 4. Carpet Equipment with CRI Certification (Carpet & Rug Institute) ✓
2. No less than 60% of the equipment costs are required to be registered/certified as green or sustainable. This also meets with Cleaning Industry Management Standard (CIMS) requirements.
3. Equipment must include the following features:
 - i. Hepa Filtration ✓
 - ii. Less than 69 db ✓
 - iii. Gel batteries ✓
4. Incorporate all applicable training related to the use of green equipment
 - ii. Including but not limited to:
 1. Orientation Training ✓
 2. CHAT ✓
 3. Annual Training ✓
 4. Management Training ✓
5. Semi Annually request a summary report from the approved equipment vendor to summarize unit compliance (see #2 above)
6. Maintain equipment purchase and repair inventory and update accordingly
7. Maintain compliance records for no less than 5 years
8. See sample summary record (next page)

STANDARD SUSTAINABLE EQUIPMENT RECORD						
HOSPITAL/LOCATION						
Item #	Item Description	Green	CRI Certified	Decibals	HEPA Filtration	Cost
56100874	SELECTSWEEP	No	No	N/A	No	\$
56209092	SPRITE-AS-E 16GAL-120V	No	No	70 dBA	N/A	\$
56220000	AQUASPOT EXTRACTOR	No	No	73 dBA	N/A	\$
56265000	AQUACLEAN 16XP	Yes	Yes	Not Provided	N/A	\$
56265300	AQUACLEAN 12ST	Yes	Yes	Not Provided	N/A	\$
56316027	ADHANCER R28-C 312AH AGM	Yes w/AXP	Yes w/AXP	71 dBA	N/A	\$
56317011	ADPHIBIAN BATT PKG 255AH AGM	Yes	Yes	69 dBA Extraction	N/A	\$
56317328	ADFINITY 200 PACKAGE W/BAT	No	No	65.8 dBA	N/A	\$
56323777	CARPETWIN 16XP-120V	No	No	72 dBA	No	\$
56330020	CARPETRIEVER 28	Yes	No	70 dBA	No	\$
56340000	MICROMATIC 14E 120V	No	No	68 dBA	N/A	\$
56602007	VACRIDE 3400-C 312 OBC	No	No	64 dBA In quiet mode	Yes - Dual HEPA Filters	\$
9.06E+09	AWD-320 20GAL WET DRY W/TOOLS	No	No	69 dBA	Optional	\$
9.06E+09	ADVANCE SPECTRUM 15P	Yes	Yes	69 dBA	Yes - Standard	\$
9.06E+09	ADVANCE SPECTRUM 15D	Yes	Yes	69 dBA	Yes - Standard	\$
9.06E+09	SPECTRUM 18D	Yes	Yes	69 dBA	Yes - Standard	\$
9.08E+09	SWEeper TERRA 28B	Yes	No	59 dBA	N/A	\$
01282A	PACESETTER 13	Yes	No	65 dBA	N/A	\$
01370A	PACESETTER 20	Yes	No	65 dBA	N/A	\$
01460A	PACESETTER 20SD	Yes	No	65 dBA	N/A	\$
	Clarke Boost	Yes		65.8 dBA		\$
	Clarke Boost	Yes		65.8 dBA		\$
	Clarke Boost	Yes		65.8 dBA		\$
						\$
	Total Equipment Units		23		Total Cost	\$
	Overall Equipment Cost	\$				
	Green Equipment		15			
	Green Equipment Cost	\$				
	Green Equipment %		0.652173913			
	Green Equipment Cost %		#VALUE!			

CROTHALL HEALTHCARE, INC.

Procedure 14.03: Project Improvement Log Standard

Date Issued: 10/1/2015

Supersedes: 10/1/2013

Approved by: Rich Feczko

Purpose:

Utilize and record hard and carpet care projects including process improvements made to achieve optimized sustainability

Procedure:

1. Use approved improvement (attached) to track project work
2. Track all hard floor and carpet care work in accordance to project scheduling & completion
3. Note all process improvements that support a more sustainable environment including:
 - i. The use of micro fiber (*HOSPITAL ONLY*)
 - ii. The use of floor finish application system ✓
 - iii. The use of Green Equipment (examples)
 - i. Tennant T-5 ✓
 - ii. Clarke Boost ✓
 - iii. CRI approved products ✓
 - iv. The use of products that support Green initiatives
 - i. Extended Floor finish enhancers (Ultra Shield) ✓
 - ii. Green Seal approved products ✓
4. Incorporate all applicable training related to the use of green processes
 - iii. Including but not limited to:
 1. Orientation Training
 2. CHAT
 3. Annual Training
 4. Management Training
5. Log activity accordingly on the attached log
6. Maintain compliance records for no less than 3 years
7. See sample log (next page)

CROTHALL HEALTHCARE, INC.

Procedure 14.04: Recycling, Waste and Sustainable Process Standards

Date Issued: 10/1/2015 Supersedes: 10/1/2013 Approved by: Rich Feczko

Purpose:

Utilize and record the purchase, use and disposal of recycled materials including waste stream effectiveness and sustainable process standards in accordance with EVS Policy & Procedure 1.02 and 1.04.

Procedure:

1. Use approved recycled paper, plastic and soap product/vendors to adhere to green/sustainable recycling program
2. No less than 70% of recycled paper and plastic costs are required to be compliant
3. *No less than 50% of hand soap product costs are required to be free of anti microbial agents to be compliant
4. A facility waste reduction plan must be implemented and fully functional
5. In concert with the facility, a resource conservation plan must be implemented and fully functional to include the following:
 - i. Cleaning materials conservation
 1. Example: floor finish applicator to reduce floor finish waste
 - ii. Water conservation
 1. Example: micro fiber
 - iii. Energy conservation
 1. Example: day cleaning
 2. Example: state of the art equipment
6. Record and maintain recycling product, pick up and saving record (see sample next page). Maintain all records for no less than 5 years.
7. Record and maintain Hard Floor Maintenance records to include:
 - a. Task scheduled
 - b. Task completed (i.e.; scrub & top coat; strip & finish; etc...)
 - c. # of finish coats with the goal to show reductions
 - d. Task frequencies with the goal to reduce frequencies, product, labor
 - e. See sample summary on subsequent pages
8. Record and maintain Carpet Care Maintenance records to include
 - a. Task scheduled
 - b. Task completed (i.e.; bonnet; extraction; etc...)
 - c. Task frequencies with the goal to reduce frequencies, product, labor
 - d. See sample summary on subsequent pages
9. *With the facility, record waste stream and resource conservation (as noted above #4 & #5) reductions routinely.

CROTHALL HEALTHCARE, INC.

RECYCLING & SUSTAINABLE STANDARD RECORD								
HOSPITAL/LOCATION								
Type	Solid Waste Poundage	Cost	Cardboard	Savings	Paper Poundage	Savings	Overall Recycling	Savings
Year 2012								
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Benchmark Usage								
Benchmark Cost								
Total Savings								
Current Usage								
Current Cost								
Overall Impact								
Revised 9/2011								