

Global Environmental Restoration, Inc. - Hospital Efficiency Study (2014)

CULTURE COUNT / GENES AND SPECIES						
Swab Location	Pre-treatment ATP	Post Treatment ATP	ATP reduction	Pre Treat Culture count/identity	Post Treat Culture Count/identity	Culture reduction
Med/Surg 2784/2785	10-Oct-14					
Bedrail Bed #25	119	14	88%	Acinetobacter baumannii 50x10-6 Staphylococcus cohnii 79% Staphylococcus saprophyticus 21% Total Count 1,310	no growth <10	99%
Foot rail Controls Bed #25	27	6	78%	Stenotrophomonas maltophilia 76% Sphingobacterium multivorans 24% Total Count 290x10-6	no growth <10	99%
Sink & Faucet #25	274	41	85%	Staphylococcus epidermidis Total Count 10	Bacillus subtilis 100% Count <10	99%
IV Pump KN002936	152	30	73%	Staphylococcus epidermidis 50% Bacillus cereus 50%	no growth <10	99%
Over bed table latch	152	30	80%	Micrococcus lylae 78% Unidentified Actinobacteria 12% Paenibacillus 10% count 590,000	no growth <10	99%
barcode scanner	210	43	80%			
Med/Surg 2781/2782	10-Oct-14					
Bedrail Bed #42	437	93	79%	Paenibacillus 87% Staphylococcus warneri 13% Count 2300	no growth <10	99%
Sink & Faucet #42	246	88	64%	Stenotrophomonas maltophilia Count 2,3x10-6	Stenotrophomonas maltophilia 79% Enterobacter 13% Pseudomonas aeruginosa 8% Count 78x10-6	75,3x10-6
Biohazard Disposal Lid	6823	64	99%	Gram positive coryneform bacillus 93% Bacillus 4% Enterococcus Faecalis 2% Total Count 460000	no growth <10	99%
Dynamap Electric Plug	291	20	93%	Gram positive coryneform bacillus 93% Total Count 2400	no growth <10	99%
ER	12/12/2014					
ER Cast Room Hot Faucet Handle	1785	86	95%	Bacillus subtilis group 100% Count 10	no growth <10	99%
ER Cast Room Sharps Container	9999	884	91%	Acinetobacter lwoffii 13,1x10-6 Count 13,1x10-6	Micrococcus luteus 50% Aerococcus viridans 50% Total Count 20	99%

ER Cast Room Top Drawer Crash Cart	261	10	96%	Micrococcus luteus Count 10	Total	staphylococcus warneri Total Count 10	0%
OR #3	12/5/2014						
OR Room 3 Table Light #1	61	33	49%	no growth <10		no growth <10	0%
OR Room 3 Anesthesia Machine Controls	125	102	20%	staphylococcus epidermis 50% positive coryneform bacillus Total Count 20	Gram	no growth <10	99%
OR Room 3 Temple Thermometer	107	74	31%	Gram positive coryneform bacillus Total Count 80		no growth <10	99%
OR Holding Area	12/5/2014						
OR Holding Area IV pump	1149	16	99%	staphylococcus epidermis 100% Total Count 10	Micrococcus luteus Count 10	Total	99%
OR #1	12/5/2014						
Anesthesia Cart Bottom Pad	266	8	98%	Beccillus cereus group 100% Count 25,000	Total	no growth <10	99%
COLONY COUNT / THE NUMBER OF COLONIES ON A BLOOD CULTURE PLATE WERE COUNTED. (This was a straight inoculation without delusion).							
Swab Location	Pre-treatment ATP	Post Treatment ATP	ATP reduction	Pre Treat Culture count/identity		Post Treat Culture Count/identity	Culture reduction
ICU #3	9/30/2014						
Call Button	125	53	57%	Total Bacteria count < 1		no growth <1	0%
Bed #43 Rail	85	27	68%	Total Bacteria count 192		no growth <1	99%
Bed #43 Foot Controls	41	9	78%	Total Bacteria count > 400		no growth <1	99%
Counter and Faucet	9	34	-63%	Total Bacteria count 1		no growth <1	99%
Med/Surg 2756	9/30/2014						
Bed #64 Rail	87	84	4%	Total Bacteria count 29		growth >300	-934%
Bed #64 Foot Rail Controls	14	3	79%	Total Bacterial count >300		no growth <1	99%
Sink and Faucet	144	33	77%	TNCT		growth 2	99%
IV Pump KN002958	144	18	87	Total Bacteria count 8		no growth <1	99

BAR - Bionomic assessment Report

Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

ICU #3

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVEMENT
A.) Call Button	9/30/2014	125	#001	53	#005	57
B.) Bed #43 Rail	9/30/2014	85	#002	27	#006	63.8
C.) Bed #43 Foot Rail Controls	9/30/2014	41	#003	9	#007	78.1
D.) Counter and Faucet	9/30/2014	9	#004	34	#008	-37.7
E.) Wrist Scanner	9/30/2014	63	n/a	16	n/a	74.7
F.) Intel Vue Controls	9/30/2014	57	n/a	8	n/a	86
G.) Guest Chair Seat & Back	9/30/2014	89	n/a	11	n/a	87.7
H.) Patient Curtain	9/30/2014	0	n/a	19	n/a	-190
Average ATP Level	9/30/2014	58.62		22.12		

Luminometer Readings Scale:



0 - 29 Food Safe

30 - 99 Relatively Clean (consider action)

100 - 199 Cautionary Zone (action required)

200 - 499 Significant Surface Loading (action required)

500 & Over "Highly Contaminated" (reached state of emergency)

BAR - Bionomic assessment Report

Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

Med/Surg Rm #2756

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVEMENT
A.) Bed #64 Rail	9/30/2014	87	#009	84	#013	3.3
B.) Bed #64 Foot Rail Controls	9/30/2014	14	#010	3	#014	79
C.) Sink and Faucet	9/30/2014	144	#011	33	#015	77.1
D.) IV Pump #KKN002958	9/30/2014	144	#012	18	#016	87.5
E.) Over-bed Table Latch	9/30/2014	35	n/a	21	n/a	40
F.) Wrist Scanner	9/30/2014	50	n/a	15	n/a	70
G.) Soiled Linen Cart Top Lid	9/30/2014	68	n/a	7	n/a	89.7
H.) Shower Curtain	9/30/2014	1,506	n/a	23	n/a	98.5
I.) Shower Floor	9/30/2014	59		5		91.6
J.) Bed #64 Mattress	9/30/2014	362		5		98.7
Average ATP Level	9/30/2014	246.9		21.9		91.2

Luminometer Readings Scale:



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BAR - Bionomic assessment Report

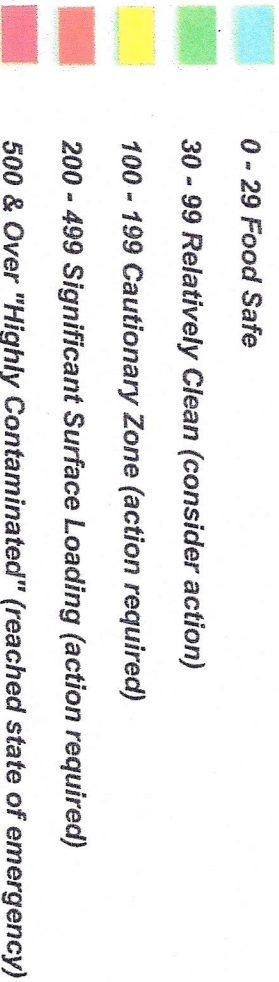
Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

Med/Surg Rm #2781/2782

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVE-MENT
A.) Bed #42 Rail	10/10/2014	437	#026	93	#034	79%
B.) Bed #42 Foot Rail Controls	10/10/2014	117		30	#035	74%
C.) Sink and Faucet	10/10/2014	246	#028	88	#037	64%
D.) Dynamap	10/10/2014	12		19	#036	-58%
E.) Over-bed Table Latch	10/10/2014	152		85		44%
F.) Wrist Scanner	10/10/2014	194		49		75%
G.) BioHazard Disposal Lid	10/10/2014	6823	#025	64	#040	99%
H.) Dynamap Plug Electric	10/10/2014	291	#027	20	#038	93%
I.) Shower Floor	10/10/2014	63		0		100%
J.) Bed #42 Mattress	10/10/2014	14		23		-64%
Average ATP Level	10/10/2014					

Luminometer Readings Scale:



BAR - Bionomic assessment Report

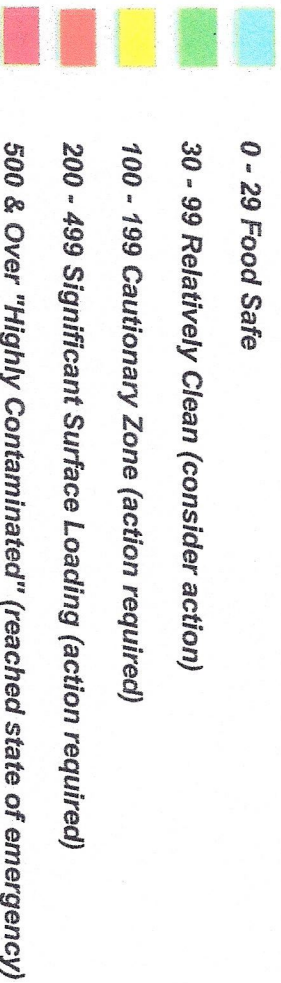
Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

Med/Surg Rm #2784/2785

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVE-MENT
A.) Bed #25 Rail	10/10/2014	119	#017	14	#029	88%
B.) Bed #25 Foot Rail Controls	10/10/2014	27	#018	6	#030	78%
C.) Sink and Faucet	10/10/2014	274	#019	41	#039	85%
D.) IV Pump KN002936	10/10/2014	84	#020	23	#031	73%
E.) Over-bed Table Latch	10/10/2014	152	#021	30	#032	80%
F.) Wrist Scanner	10/10/2014	210	#022	43	#033	80%
G.) Patient Curtain	10/10/2014	117		17		85%
H.) Overbed Base	10/10/2014	367	#023	31		92%
I.) Shower Floor	10/10/2014	399	#024	10		97%
J.) Bed #8 Mattress	10/10/2014	7		7		0%
Average ATP Level	10/10/2014					

Luminometer Readings Scale:



BAR - Bionomic assessment Report

Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

OR Room #1

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVEMENT
A.) WOW Unit #15	12/5/2014	1		11		3.3
B.) Bowie 2565	12/5/2014	14		4		79
C.) OR Table Remote Key Pad	12/5/2014	10		2		77.1
D.) OR Table Positioning Crank	12/5/2014	30		18		87.5
E.) Light #2 Above Table	12/5/2014	24		6		40
F.) Intercom Key Pad	12/5/2014	47		0		70
G.) Medication Cart Top Drawer Handle	12/5/2014	47		9		89.7
H.) Anesthesia Cart Bottom Pad	12/5/2014	266	#045	8	#055	98.5
I.) IV Pump in Holding Area #KN002897	12/5/2014	1,149	#044	16	#056	91.6
Average ATP Level	12/5/2014	246.9		21.9		91.2

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Client: Global Environmental Restoration, Inc.

Location: Clarion Medical Center

OR Room #3

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVEMENT
A.) Light #1 Above Table	12/5/2014	61	#042	33	#052	46
B.) OR Table 3500 Side Rail	12/5/2014	74		13		79
C.) Controls on Anesthesia Cart	12/5/2014	125	#041	138 / 168 / 102	#053	19
D.) Anesthesia Cart Top Surface	12/5/2014	61		46		25
E.) Temple Thermometer #2409	12/5/2014	107	#043	74	#054	31
Average ATP Level	12/5/2014	85.6		53.6		34

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BAR - Bionomic assessment Report

Client: Global Environmental Restoration, Inc.

ER

Location: Clarion Medical Center

DESCRIPTION OF TEST AREA	TEST DATE	Pre-Treat ATP READING	Pre-Treat Culture Test Number	Post-Treat ATP READING	Post-Treat Culture Test Number	% IMPROVEMENT
A.) ER Cast Room Hot Left Faucet Handle	12/5/2014	1,785	#046	86	#050	95.2
B.) Sharps Container	12/5/2014	9,999	#047	884	#049	91.2
C.) ER Trauma 1&2 Portable Cardiac Monitor	12/5/2014	81		46		44
D.) Top Drawer Handle on Crash Cart	12/5/2014	261	#048	10	#051	96.2
Average ATP Level	12/5/2014	2,655		208		902.2

Luminometer Readings Scale:

