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Utah Department of Environmental Quality
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1-800-458-0145

Annual Report

For the period of 2013

USANA HEALTH SCIENCES

Facility Name

3838 WEST PARKWAY BLVD

Facility Street Address

WEST VALLEY CITY 84120

City

Zip

Project Status

On a separate sheet, summarize:

- your Clean Utah project commitments and accomplishments made to date,
- major indicators of environmental improvements (measurable ways that you are determining the environment is improving as the result of steps you are taking),
- public participation activities you have undertaken, and
- your project plans for next year, as they relate to this program.

Certification Statement

(to be signed by the senior facility manager)

I certify that the information outlined in the attached annual report is correct and that this facility continues to meet all program criteria and has an active EMS, as defined by the Clean Utah program. I further certify that this facility has conducted periodic assessments of compliance with legal requirements, has corrected all identified instances of noncompliance, and is currently in compliance with all applicable federal, state, and local environmental rules and regulations.

Jeffrey J. Robertson

Signed

March 25, 2014

Date

Jeffrey J. Robertson

Print Name

Customer Complaints Analyst

Title

Hexcel Corporation - Objectives and Targets Project Plan

Year: 2013 **Project Plan Number:** 2013 – 03
Narrative of Objective and Target: *Energy Conservation Projects.*

Evaluate and complete the following energy conservation projects:

Electrical

1. New Prepreg Building and Equipment
2. Fiber Lines 13 and 14
3. Plant – Wide Lighting Project

Steam

1. Install new GEM Steam Traps

Natural Gas

1. Fiber Line 2 and Tower 1 Oxidizer Replacement

Estimated electrical savings will be documented once evaluations have been completed. The benefit is greatly reduced electrical and steam consumption that equates to reduced carbon footprint, air emissions, water discharges as well as significant cost savings.

Assigned To: Site Management Team – Derrick Blackburn (Prepreg Building and Air Compressor), Kyle Gredvig (Lighting Project), Shannon Storrud assigned team leader (Fiber Lines 13 and 14). Shannon Storrud (Steam Traps)

Due Date: Quarterly tracking of results

Quarter 1 Results: **% Complete: 25**

Prepreg Building – High efficiency rooftop units completed – waiting for incentive check.
VFD air handlers, boilers, chillers and fume hoods completed – waiting for incentive check.
T5 lighting completed – preparing report for incentive check.

Steam Traps – Survey completed, new proposal and cost/savings report in place. Proposal has been designated a project and assigned to Shannon Storrud to draft CER – Environmental Engineer. (See attached steam savings report). CER being drafted.

Plant Lighting project

1. 2343 – 228,512 kwh – 100% complete
2. Area2, Dock 4 (fiber packaging) – 73,274 kWh – 0% complete
3. 2422 – 300,417 kWh – 80% complete
4. 2478 – 321.307 kWh – 95% complete
5. Castle – 81,725 kWh – 100% complete
6. Maintenance – 66,862 kWh – 100% complete
7. 2344 (FL3) – 397,871 kWh – 0% complete
8. 2436 (FL4,5) – 237,306 kWh – 0% complete
9. 2479 (FL6,7) – 341,337 kWh – 40% complete

Quarter 2 Results: **% Complete: 50**

Prepreg Building – High efficiency rooftop units completed- incentive check received. Annual kWh savings of 15,800
VFD air handlers- completed and incentive checked was received for air handling units. Annual kWh savings of 203,600
T5 lighting completed- report completed and incentive check received. Annual kWh savings of 741,371

Plant Lighting project

1. 2343 – 228,512 kwh – 100% complete
2. Area2, Dock 4 (fiber packaging) – 73,274 kWh – 0% complete
3. 2422 – 300,417 kWh – 80% complete
4. 2478 – 321.307 kWh – 95% complete
5. Castle – 81,725 kWh – 100% complete
6. Maintenance – 66,862 kWh – 100% complete
7. 2344 (FL3) – 397,871 kWh – 25% complete
8. 2436 (FL4,5) – 237,306 kWh – 25% complete
9. 2479 (FL6,7) – 341,337 kWh – 50% complete

Steam Traps – CER approved and project funded - traps on order

Quarter 3 Results:

% Complete: 75

Steam Traps – Traps manufactured and received.

Plant Lighting project

1. 2343 – 228,512 kwh – 100% complete
2. Area2, Dock 4 (fiber packaging) – 73,274 kWh – 0% complete
3. 2422 – 300,417 kWh – 80% complete
4. 2478 – 321.307 kWh – 100% complete
5. Castle – 81,725 kWh – 100% complete
6. Maintenance – 66,862 kWh – 100% complete
7. 2344 (FL3) – 397,871 kWh – 50% complete
8. 2436 (FL4,5) – 237,306 kWh – 50% complete
9. 2479 (FL6,7) – 341,337 kWh – 50% complete

Quarter 4 Results:

% Complete: 100

Steam Traps – Almost 100% complete – few remaining. Traps working as designed. Full plant project slated for 2013. Estimated steam savings – See attached.

Plant Lighting project

1. 2343 – 228,512 kwh – 100% complete
2. Area2, Dock 4 (fiber packaging) – 73,274 kWh – 25% complete
3. 2422 – 300,417 kWh – 100% complete
4. 2478 – 321.307 kWh – 100% complete
5. Castle – 81,725 kWh – 100% complete
6. Maintenance – 66,862 kWh – 100% complete
7. 2344 (FL3) – 397,871 kWh – 70% complete
8. 2436 (FL4,5) – 237,306 kWh – 85% complete
9. 2479 (FL6,7) – 341,337 kWh – 90% complete

Total Annual Electrical Savings – 2,765,336 KWH (= Annual Cost Savings of \$138,267 + Incentive Checks)

Equivalent Emission Savings

Pulverized coal power plant = 75% of generation in Utah

Total KWH Usage

CO2	NOx	PM	SO2	VOC
lbs	lbs	lbs	lbs	lbs
	1786	782	2565	
1953 tons	lbs.	lbs.	lbs.	

Direct Savings Utility Cost

\$138,267

Steam - total Annual Steam Savings – 5,958 tons per year (= Annual Cost Savings of \$97,108). Emission Reduction of CO2e of 175 tons per year.

Oxidizer Replacement - Natural Gas - Total Annual Gas Savings – 22,775 MMBTU/year or 21,900 CF. tons per year (= Annual Cost Savings of \$96,794). Emission Reduction of CO2e of 1.3 tons per year.

Effective Date: 14 SEP 2001

1paul-2013-03 Energy Conservation (2).doc

Environmental Engineer Signature _____

Date: _____

Objectives and Targets Project Plan

Year: 2013 **Project Plan Number:** 2013 – 02
Narrative of Objective and Target: *Increase Plant-Wide Recycling Program.*

This objective will be to increase recycle material to 5.8 MM lbs for 2013 vs. 5.3 MM lbs for 2012. Recycling 5.8 MM lbs. will save approximately \$250,000 in disposal, transportation, labor and reimbursement costs.

Assigned To: Shannon Storrud – Environmental and Energy Engineer

Due Date: Quarterly tracking of results

Quarter 1 Results: % Complete: 25

Q1 YTD – lbs.1,356,411

Quarter 2 Results: % Complete: 50

Q2 YTD – lbs.1,557,472

Quarter 3 Results: % Complete: 75

Q3 YTD – lbs.1,469,529

Quarter 4 Results: % Complete: 100

Q4 YTD –lbs. 1,117,710

2013 YTD Total –5,510,122 lbs. Fell short of 2013 goal by 289,878 lbs. However, increased recycled material by 171,818 lbs. – 2012 vs. 2013.

Based on the EPA “WARM” software, recycling 5,510,122 lbs. of material is equivalent to the following:

- GHG (MTCO2E) of 11,007 tons**
- Removing annual emissions of 2,016 passenger cars.**
- Conserving 1,249,408 gallons gasoline**
- Conserving 4,586,374 cylinders of propane used for home barbecues**
- Conserving 58 railway cars of coal**

Environmental Engineer Signature _____

Date: _____

Objectives and Targets Project Plan

Year: 2013	Project Plan Number: 2013 – 02
Narrative of Objective and Target:	Increase Plant-Wide Recycling Program.

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Environmental Engineer Signature _____	Date: _____
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