



# Annual Performance Report

OMB No. 2010-0032  
Expiration Date: 06/30/03

**Facility Name:** Lockheed Martin Space Systems Company, Waterton Plant  
**Performance Track ID #:** A080004  
**Annual Performance Report #:** 1  
**Reporting Year:** 2001  
**Due Date:** 07/01/2002

## Section A. General Facility Information

Please supply or revise information in A.1 – A.8 as is necessary to ensure that it is accurate, complete, and up-to-date. Items A.9 and A.10 cannot be pre-completed; please respond as directed in A.9 and A.10 below.

**A.1 Name of your facility:** Lockheed Martin Space Systems Company, Waterton Plant

**A.2 Name of your parent company:** Lockheed Martin Corporation

**A.3 Facility contact person for the Performance Track program:**

**Name:** Ms. Vicki Anderson

**Title:** Senior Staff Environmental Engineer

**Phone:** (303) 977-9073

**Fax:** (303) 977-3844

**E-mail:** vicki.i.anderson@lmco.com

**A.4 Facility's location**

**Street Address:** 12257 South Wadsworth Boulevard

**Address (cont.):**  
**City:** Littleton  
**State:** CO  
**Zip Code:** 80125

**A.5 Facility's Website address (if any):**

<http://www.ast.lmco.com>

**A.6 Number of employees (full-time equivalents) who currently work in the facility:**

More than 1000

**A.7 Does your company meet the Small Business Administration definition of a small business for your sector?**

No

**A.8 North American Industrial Classification System (NAICS) Code(s) that are used to classify business at the facility:**

336414 336415

**A.9 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities? If so, please list them here:**

No

**A.10 Please update the list of environmental requirements that apply to your facility by listing any changes that have taken place during this reporting period. If you have no changes to report, please enter "No changes".**

No changes.

**Section B.  
Environmental Management System**

**B.1 Environmental Management System Assessment. Please summarize EMS assessments conducted during the year.**

a. Was an EMS audit or other assessment done by an independent third party?

Yes

If yes, please provide the type (e.g., ISO 14001 certification), the scope, and the dates (mo/yr) of each assessment.

Type	Scope	Dates (mo/yr)
ISO 14001 certification	ISO 14001 standard with focus on general requirements, legal and other requirements, operational control, emergency preparedness and response, EMS audit, and management review.	03/2001

b. Was an internal or corporate EMS audit conducted? Yes

If yes, please provide the scope and dates (mo/yr) of each audit.

Scope	Date (mo/yr)
Compliance to Corporate functional procedure requiring a management system with focus on risk assessment, self-assessment, and record keeping and reporting.	05/01

c. Was a compliance audit conducted?

Yes

If yes, please provide the scope and the dates (mo/yr) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party).

Scope	Dates	Who conducted the audit
Detailed review of EPCRA Section 313 Toxic Release Inventory (TRI) reporting internal documentation with focus on the process used for threshold determination for reporting year 1999 relative to listed chemicals used and activities with potential for manufacturing, processing, or otherwise use.	05/2001	A staff environment, safety and health professional

d. (Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.

e. Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audit

The timing of placement of secondary labeling on materials for use was modified. This ensures appropriate identification of

materials for a production process.

Written procedures and practices were consolidated, simplified, and updated to reflect and document continuous improvement in processes such as risk assessment, control and retention of records and documents, and Corporate incident reporting requirements.

Changes to the TRI reporting process were implemented to prevent future recurrence of a historical reporting deficiency. The experience and lessons-learned were shared with other corporation operating units.

**f. Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?**

Yes

**If no, please explain your plans to correct these instances.**

**g. When was the last Senior Management review of your EMS completed?**

01/2001

**Who headed the review? Name:** Mr. Mark Posson **Title:** Director, Space Systems Company, ES&H

**B.2 ISO 14001 Certification. Is your facility currently certified to ISO 14001?**

Yes

**B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?**

12/2001

**B.4 Progress Toward Achieving Objectives and Targets. In the table below, please provide a narrative summary of progress made toward EMS objectives and targets. You may limit the summary to environmental aspects that are *significant* and towards which progress has been made during the *reporting year*. In cases where *progress* relates specifically to a Performance Track performance commitment, complete the Environmental Aspect column, but in the *Progress* column simply refer to the performance commitment tables in Section C, i.e. "See Section C."**

<b><i>Environmental Aspect</i></b>	<b><i>Progress Made This Year</i></b> <b>(e.g., quantitative or qualitative improvements, activities conducted)</b>
Vulnerability and Potential for Releases	See Section C.
Total Solid Waste	See Section C.
Hazardous Solid Waste - F019 Sludge	See Section C.
Hazardous Solid Waste - Adhesives, Resins and Paints	See Section C.

**Section C.  
Environmental Performance Commitments**

Please use the tables below to summarize your facility's environmental performance against your Performance Track performance commitments. Complete only those boxes related to the baseline, current year, and performance commitment.

**C.1 Performance Commitment 1**

a. Use this table to report data related to your first performance commitment.

<b>Category:</b>	<b>Accidental Releases</b>				
<b>Aspect :</b>	<b>Vulnerability and Potential for Releases</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>21285</b>	<b>15285</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>lbs</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>1</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Square footage</b>				
<b>Normalized Quantity* (per year)</b>	<b>21285</b>	<b>15285</b>			<b>18635</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

This commitment was modified to meet the Performance Track format. The reduction in potential for release of Class I ODC's is being tracked. The quantities reported are pounds of Class I ODC's contained in registered stationary equipment on plant site. The quantity for calendar year 2000 was 18,635 pounds. Plant site chillers containing Class I ODC's are being replaced with new chillers with less potential for leakage and ones which contain refrigerants which are either unclassified or Class II ODC's with much lower ozone depleting potential (ODP) than the Class I ODC's.

If you have additional information that you would like to include please attach it here:

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

## C.2 Performance Commitment 2

- a. Use this table to report data related to your second performance commitment.

<b>Category :</b>	<b>Waste</b>				
<b>Aspect :</b>	<b>Total Solid Waste</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>1826</b>	<b>1810</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>tons</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>0.91</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Manhours: 2000 - 14,744,468; 2001 - 13,460,035.</b>				
<b>Normalized Quantity* (per year)</b>	<b>1826</b>	<b>1989</b>			<b>1821</b>
<b>*Calculated for you</b>					

- b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

This commitment was slightly modified to meet the Performance Track format. Due to the availability of more credible data and the fact that the program was implemented in 2001, calendar year 2000 is being used as the baseline; and total solid waste, rather than scrap wood waste, is being tracked. A wood recycling program, initiated in August, 2001, resulted in 56 tons of wood (primarily pallets) being collected and recycled, which would have gone to landfill, otherwise. The goal in the Performance Track application was to go from 0 tons of wood recycled to 5 tons of wood recycled. The fact that the normalized total solid waste increased is due in part to the closing of major product lines resulting in the demolition of buildings on the site.

**Attach:**

Any attachments will be located at the end of the report.

- c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

**C.3 Performance Commitment 3**

a. Use this table to report data related to your third performance commitment.

<b>Category :</b>	<b>Waste</b>				
<b>Aspect :</b>	<b>Hazardous Solid Waste</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>77100</b>	<b>65820</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>lbs</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>1</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Not Applicable</b>				
<b>Normalized Quantity* (per year)</b>	<b>77100</b>	<b>65820</b>			<b>15420</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

The hazardous solid waste associated with this commitment is F019 sludge. The amount of F019 sludge listed for the baseline year 1999 differs from the amount given as the current level on our application. The 1999 baseline in the annual report is the correct amount. The corrected 80% performance commitment amount becomes 15,420 pounds. The amount generated in calendar year 2000 was 68,340 lbs. A plan is being implemented which isolates sources of F019 sludge precursors and prevents those sources from mixing with the other wastewater. After completion of the isolation and a decontamination of the wastewater treatment plant, sludge generated from treatment of the other wastewater will not be hazardous solid waste. This is a one-time project and is not related to consideration of production level, employee population level, square footage, or any other normalizing factor.

**Attach:**

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

**C.4 Performance Commitment 4**

a. Use this table to report data related to your fourth performance commitment.

<b>Category :</b>	<b>Waste</b>				
<b>Aspect :</b>	<b>Hazardous Solid Waste</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>20653</b>	<b>12215</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>lbs</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>1.05</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Number of hazardous waste generating satellite locations: 1999 - 207 locations, 2000 - 219 locations, 2001 - 218 locations.</b>				
<b>Normalized Quantity* (per year)</b>	<b>20653</b>	<b>11633.3</b>			<b>18000</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

The hazardous solid waste associated with this commitment is the adhesives, resins, and paints profile. The actual quantity generated in calendar year 2000 was 15,042 lbs. Success in this area can be attributed to implementation of a "just-in-time" procurement process.

**Attach:**

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).







**Section D.  
Public Outreach and Performance Reporting**

**D.1 Please briefly summarize the public outreach and reporting activities that your facility has conducted during the year. Feel free, but not obligated, to attach supporting materials (e.g., meeting agendas, public announcements).**

Lockheed Martin Astronautics is a charter member of the Colorado Pollution Prevention Partnership. Also, in the spring of 2001, in order to keep the public informed, an Environment, Safety & Health Summary for 2000 was posted on the company website at the following address:  
[http://www.ast.lmco.com/company\\_envirES.shtml](http://www.ast.lmco.com/company_envirES.shtml)

**Attachment:**

Any attachments will be located at the end of the report.

**D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Report available to the public. Please check as many as appropriate.**

Web Site

**URL:** <http://www.ast.lmco.com>

**Other:**



**Appendix:****Do you want to add Appendix?****When adding additional comments, please refer to question number.****Comments:****Attachment:**

Paperwork Reduction Act Notice

The public reporting and recordkeeping burden for this collection information is estimated to average 188 hours per respondent annually. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.