



**INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM  
ANNUAL PERFORMANCE REPORT**

State Form 53475 (R3 / 1-11)  
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management  
Office of Pollution Prevention and Technical Assistance  
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Please use this form if you are a member of the Indiana Environmental Stewardship Program (ESP) to report on progress toward objectives and targets AND certify ESP requirements continue to be achieved. Indiana ESP facilities must submit an Annual Performance Report (APR) by April 1<sup>st</sup> of every year, for each calendar year in which the entity has been a member for at least three (3) full months. Section C of your APR should be signed by your ISO 14001:2004 EMS Lead Auditor. Your APR should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, e-mail the APR to IDEM at [esp@idem.IN.gov](mailto:esp@idem.IN.gov). Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the APR publicly available, which may include posting all portions of your report on the Indiana ESP Web site. If you have any questions, please contact IDEM at [esp@idem.IN.gov](mailto:esp@idem.IN.gov) or (800) 988-7901.

**SECTION A FACILITY INFORMATION**

Name of facility  
**Sony DADC**

Name of parent company (If applicable)  
**Sony Corporation of America**

Street address (number and street)  
**1800 North Fruitridge Ave**

City / State / ZIP code  
**Terre Haute, Indiana 47804**

Web site of Facility/Company  
**www.sonydadc.com**

**CONTACT INFORMATION**

Name of Contact (Mr. / Mrs. / Ms. / Dr.)  
**Mr. Tony C. New**

Title  
**Director Sustainability and Technology**

Telephone number  
**812-462-8112**

FAX number  
**812-462-8760**

E-mail address  
**Tony.New@sonydadc.com**

Mailing address (if different from facility address)

City / State / ZIP Code

**REPORTING PERIOD**

Reporting period dates (month, day, year)  
**January 1, 2012 to December 31, 2012**

1a. Is this the third Annual Performance Report of your membership term?  
 Yes—If yes, answer question 1b.  
 No—If no, skip to the "Change in Information" section of this report.

1b. Do you wish to renew your Indiana Environmental Stewardship Program membership?  
 Yes—If yes, please complete all sections of this annual report.  
 No—If no, please complete all sections of this annual report except for Section F.

**CHANGE IN INFORMATION**

In your ESP application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any changes or additions to your facility's list of products or activities?  
 Yes—If yes, please describe them:  
 No

**SECTION B PUBLIC OUTREACH AND PERFORMANCE REPORTING**

Why do we need this information?  
IDEM needs to know how environmental information was shared with the public.

What do you need to do?  
Describe how the facility has shared and plans to share environmental information.

Please briefly describe the activities that your facility conducted during this reporting period to interact with the community on environmental issues and to report publicly on its environmental performance. See attachment 1

Please indicate which of the following methods your facility plans to use to make its ESP Annual Performance Report available to the public. Please check as many as appropriate.  
 Web site (<http://www>\_\_\_\_\_ )  Open house  Meetings  Press releases  Other

## SECTION C

## ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT

## Why do we need this information?

Facilities need to have implemented an EMS that meets certain criteria and use an ISO 14001:2004 EMS Lead Auditor at least every 36 months to assess the EMS.

## What do you need to do?

Answer the following questions about your EMS.

1.	What is the most recent date that an ISO 14001:2004 EMS Lead Auditor performed an EMS assessment at your facility?	January 2013
2.	Is the date of the most recent EMS assessment performed by an ISO 14001:2004 EMS Lead Auditor within the past 36 months?	
	<input checked="" type="checkbox"/> Yes—If yes, skip to Question 3. <input type="checkbox"/> No—If no, please have your ISO 14001: 2004 EMS Lead Auditor complete and sign the following checklist, indicating whether or not your EMS meets the listed criteria for ESP membership:	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Evidence of senior management support, commitment, and approval.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Identification of the environmental aspects at the entity.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Prioritization of the environmental aspects and a determination of those aspects deemed significant considering, at the minimum, environmental impacts and applicable laws and regulations.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Established priorities, and environmental objectives and targets for continuous improvement in environmental performance and for ensuring compliance with applicable environmental laws, regulations, and permit conditions. Objectives and targets must go beyond current legal requirements and specify the environmental media, types of pollution to be prevented or reduced, implementation activities, and projected time frames.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	An established community outreach mechanism that includes identifying and responding to community concerns; informing the community of important matters that affect the community; and reporting on the EMS, including reporting to the public on the environmental policy and significant aspects.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services and modifications of existing processes.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and ensuring compliance with applicable environmental laws, regulations, and permit conditions.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Documentation of the implementation procedures and the results of implementation.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	Appropriate written EMS procedures.
	<input type="checkbox"/> Yes <input type="checkbox"/> No	An annual evaluation of the EMS with written results provided to senior management and affected employees.
Signature of ISO 14001:2004 EMS Lead Auditor		Date (month, day, year)
3.	Were any deficiencies found during the most recent EMS assessment?	
	<input checked="" type="checkbox"/> No—If no, skip to Question 4. <input type="checkbox"/> Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency:	
4.	Name, title, and organization of ISO 14001:2004 EMS Lead Auditor that conducted the most recent EMS assessment:	Denise Lank, Auditor, Bureau Verit
5.	What type of protocol was used to perform the independent EMS assessment?	
	<input checked="" type="checkbox"/> ISO 14001:2004 Certified audit <input type="checkbox"/> Responsible Care EMS audit <input type="checkbox"/> Responsible Care 14001 audit <input type="checkbox"/> ESP Independent Assessment Protocol <input type="checkbox"/> Other (please specify):	
6.	Is the EMS certified to a recognized standard?	
	<input checked="" type="checkbox"/> Yes—If yes, what standard does the EMS follow (please provide a copy of the most recent certificate)? <input checked="" type="checkbox"/> ISO 14001:2004 <input type="checkbox"/> Responsible Care EMS <input type="checkbox"/> Responsible Care 14001 <input type="checkbox"/> No.	
7.	When was the last Senior Management review of your EMS completed?	
	Month / Year:	February/2013
	Who headed the review (name and title)?	Chad Bolin, Senior Vice President Manufacturing

8. When did your facility last conduct an internal or corporate environmental compliance audit? Do not include inspections or site visits by regulatory organizations.  
 Scope of the compliance audit: EHS compliance audit of facility  
 Month(s) / Year(s): September/ 2012  
 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Corporate (Sony Electronics)

9. Explain the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the EMS effective? What changes, if any, have been made to your facility's emergency or contingency plans?  
No environmental emergencies. Emergency plan changes in 2012 - change in Security functions and Command Center Location

10. Has your facility corrected all instances of potential environmental non-compliance and EMS non-conformance identified during your audits and other assessments?  
 Yes—If yes, briefly summarize corrective actions taken and other improvements made as a result of your EMS assessment(s) or compliance audit(s).  
Corporate audit findings have been addressed or have corrective action plans. see attachment 2  
 No—If no, please explain your plans to correct these instances.  No such instances identified.

11. (Optional) Please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as an Environmental Performance Initiative in Section E. You may limit the summary to environmental aspects that are *significant* and towards which *progress* has been made during the last calendar year. Attach additional sheets as necessary.

Environmental aspect	Progress made this year (e.g., quantitative or qualitative improvements, activities conducted)

**SECTION D ADDITIONAL INFORMATION**

**Why do we need this information?**  
 This information will help IDEM to effectively manage the Environmental Stewardship Program.

**What do you need to do?**  
 Answer the questions as completely as possible.

1. In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve months.  
Participated in Our Green Valley Alliance for Sustainability meeting as member of panel discussing waste/recycling in industry

2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.  
air permit amendments handled with quick turn around.

3. If your facility was not registered to the ISO 14001 standard prior to becoming an ESP member, has ESP helped you to pursue registration? If so, how has ESP been instrumental in achieving registration?  
Previously registered.

**SECTION E ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS**

**Why do we need this information?**  
 Facilities need to share the results of the environmental improvement initiative that was pursued during the reporting period.

**What do you need to do?**  
 Summarize your facility's progress on achieving the initiative you identified in the application or last year's APR.

Category: <u>Non-hazardous Waste</u> Indicator: <u>Reused/recycled off-site</u>	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Calendar year	2011	2013	2012	
Actual quantity (per year)	3,383,907	2,494,327	2,614,166	
Normalized quantity (per year)	0.005	0.003	0.004	
Basis for your normalizing factor (e.g., gallons of paint produced)	shipped discs produced			
Measurement unit (e.g., pounds)	kilograms non closed loop plastic per shipped disc			

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.  
See Attachment 3

Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).  
Governor's award application

(Optional) If your facility has experienced continued results for environmental improvement initiatives pursued in past years of ESP membership, please share those results here.  
See Attachment 3

**SECTION F**

**ENVIRONMENTAL IMPROVEMENT INITIATIVE**

Why do we need this information?

Facilities need to show they are committed to improving their environmental performance.

What do you need to do?

Refer to the Environmental Performance Table and answer the following questions.

1. Select the appropriate boxes in the following table to indicate the **category** and **indicator(s)** that represents the environmental improvement initiative selected by your facility. For the category and indicator selected, list the **baseline year** (e.g., 2009) and the **future year** (e.g., 2010). Next, list the **baseline annual quantity** (e.g., 5 tons) and **future annual quantity** (e.g., 2 tons) you are committing to achieve by the end of the future year.

Category	Indicator	Baseline Year 20__12__	Future Year 20__13__	Unit
<input type="checkbox"/> Material Procurement	<input type="checkbox"/> Recycled content			Pounds, tons
	<input type="checkbox"/> Hazardous/toxic components			Pounds, tons
<input type="checkbox"/> Suppliers' Environmental Performance	<input type="checkbox"/> Specify indicator: _____			As specified for the particular indicator
<input type="checkbox"/> Material Use	<input type="checkbox"/> Materials used			Pounds, tons
	<input type="checkbox"/> Hazardous materials used			Pounds, tons
	<input type="checkbox"/> Ozone depleting substances used			CFC-11 equivalent pounds
	<input type="checkbox"/> Total packaging materials used			Pounds, tons
<input type="checkbox"/> Water Use	<input type="checkbox"/> Total water used			Gallons
<input type="checkbox"/> Energy Use	<input type="checkbox"/> Electricity			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Steam			kWh / MWh, gallons, ft <sup>3</sup>
	<input type="checkbox"/> Natural gas			Btu / MMBtu
	<input type="checkbox"/> Diesel			Gallons
	<input type="checkbox"/> Propane / LPG			Btu / MMBtu, gallons
	<input type="checkbox"/> Gasoline			Gallons
	<input type="checkbox"/> Solar			kWh / MWh
	<input type="checkbox"/> Wind			kWh / MWh
	<input type="checkbox"/> Landfill gas			Btu / MMBtu
	<input type="checkbox"/> Combined heat and power			kWh / MWh, Btu / MMBtu
<input type="checkbox"/> Other: _____			_____	
<input type="checkbox"/> Land and Habitat	<input type="checkbox"/> Land and habitat conservation			Square feet, acres
	<input type="checkbox"/> Community land revitalization			Square feet, acres
<input checked="" type="checkbox"/> Air Emissions	<input type="checkbox"/> Total GHGs			MTCO2E
	<input checked="" type="checkbox"/> VOCs	39731	25705	Pounds, tons
	<input type="checkbox"/> NOx, SOx, PM <sub>2.5</sub> , PM <sub>10</sub> , or CO			Pounds, tons
	<input type="checkbox"/> Air toxics			Pounds, tons
	<input type="checkbox"/> Odor			European Odour Units
	<input type="checkbox"/> Radiation			Curies, Becquerels
	<input type="checkbox"/> Dust			Pounds, tons
<input type="checkbox"/> Discharges to Water	<input type="checkbox"/> COD or BOD			Pounds, tons
	<input type="checkbox"/> Toxics			Pounds, tons
	<input type="checkbox"/> Total suspended solids			Pounds, tons
	<input type="checkbox"/> Nutrients			Pounds, tons of N or P
	<input type="checkbox"/> Sediment from runoff			Pounds, tons
	<input type="checkbox"/> Pathogens			MPN/ml, CFU/ml
<input type="checkbox"/> Non-hazardous Waste <input type="checkbox"/> Hazardous Waste	<input type="checkbox"/> Landfill			Pounds, tons
	<input type="checkbox"/> Incineration			Pounds, tons
	<input type="checkbox"/> Reused/recycled off-site			Pounds, tons, gallons
	<input type="checkbox"/> Other: _____			Pounds, tons, gallons
<input type="checkbox"/> Noise	<input type="checkbox"/> Noise			dBA
<input type="checkbox"/> Vibration	<input type="checkbox"/> Vibration			Inches per second
<input type="checkbox"/> Products	<input type="checkbox"/> Expected lifetime energy use			kWh / MWh, Btu / MMBtu
	<input type="checkbox"/> Expected lifetime water use			Gallons
	<input type="checkbox"/> Expected lifetime waste to air, water, or land from product use			Pounds, tons
	<input type="checkbox"/> Waste to air, water, or land from disposal or recovery			Pounds, tons

2. What activities or process changes do you plan to undertake at your facility to accomplish your initiative (e.g., technology changes in a particular process line, employee training)? See Attachment 4

3. Does this initiative address a significant aspect in your EMS?

Yes

No—if no, please explain why you believe this indicator should be included as an environmental improvement initiative:

CERTIFICATION AND PLEDGE

On behalf of (name of facility) Sony DADC

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, Sony DADC, commit to maintaining the principles and goals outlined in our Environmental Management System for our facility's Indiana Environmental Stewardship Program status. We agree to strive for full compliance with all regulations promulgated by the U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Stewardship Program and to share our success stories with other facilities. We understand that the Annual Performance Report must be submitted to IDEM by April 1<sup>st</sup> of each year and that we must reapply to the Indiana Environmental Stewardship Program every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.

Signature 	Title Executive Vice President and CTO	Date (month, day, year) <u>3/28/2013</u>
Printed signature Michael L. Mitchell		

## **Attachment 1 - PUBLIC OUTREACH AND PERFORMANCE REPORTING**

- Sony DADC conducted an annual Earth Day Calendar Contest. Employees sponsor a child from age 6-14. The contest theme for 2012 was “Protecting Life on Earth”. A 12-month calendar was produced using the winning artwork. As part of the contest, Sony DADC had an Earth Day celebration for the winners and semi-finalist. Each child received a recycled bag with DVD movies (made in our facility), Earth Day activity sheets and a copy of the calendar. The group also toured the White Violet Center for Eco-Justice (associated with St. Mary of the Woods College). The tour included an organic garden, chickens and alpacas.
- Sony DADC participated in a Zero Landfill Forum sponsored by the Our Green Valley Alliance for Sustainability. The Forum gathered industrial and governmental representatives to discuss their successes in waste management and reduction.
- Sony DADC co-sponsored an educational presentation on biodiversity in the rainforest canopy for a local college. The college also has an annual Earth Day Event, which Sony DADC currently sponsors.

## Attachment 2 – Corporate Audit Findings

<b>Finding</b>	<b>Corrective Action</b>	<b>Status</b>
It is recommended that strong acids and bases be segregated by more than 25 feet or have a spill containment barrier separating these 2 incompatible chemicals. This was a need observed in Jig Wash, Chemical Storage, and in hallway near wastewater treatment.	Jig Wash has separated chemicals and trenching. Hallway storage is re-located to area with containment. Chemical Storage trenching will be divided by concrete.	2 completed, 1 in process
It is recommended that tracking forms be modified to show the EPA reportable quantities of CFC releases. This can be limited to the Site EMR's files/forms.	Form has calculation and the reportable information has been added to form.	Completed
It is recommended that EMR representing DADC North America report monthly to REO on relevant environmental matters.	Completed quarterly and can be completed monthly	In process

### **Attachment 3 – Closed Loop of Polypropylene Cases**

Sony DADC collected scrap polypropylene (PP) cases from our manufacturing operations and shipped them to our case supplier. The case supplier ground the scrap and blended the ground material with virgin material. This blended material was then used to manufacture new DVD cases for Sony DADC use in our final product. This completes the closed loop for polypropylene case scrap. For CY2012, Sony DADC shipped over 440 tons of cases to our supplier and purchased over 6 million PP cases made from the blended material.

## **Attachment 4 – VOC Reduction Initiative**

Currently, ethyl acetate is used for cleaning within our print operations. Testing of non-VOC or low VOC substitutes were completed in the beginning of 2013. Methyl acetate performed the best within the parameters of the print specifications. Methyl acetate is not a listed VOC according to the US EPA. The methyl acetate will replace all use of the ethyl acetate in the facility during CY2013. The numbers provided in the Annual Performance Report are the total quantity used in CY2012 and do not represent the amount emitted to the air.