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 1st 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. 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 or (800) 988-7901.

SECTION A — FACILITY INFORMATION

Name of facility
Raytheon Intelligence, Information and Services (IIS)

Name of parent company (*if applicable*)
Raytheon Company

Street address (*number and street*)
6125 E 21st Street

City / State / ZIP code
Indianapolis/ IN/ 46219

Web site of Facility/Company
www.raytheon.com

CONTACT INFORMATION

Name of Contact (Mr. / Mrs. / Ms. / Dr.)
Mr. Larry Bryan

Title
EHS Manager

Telephone number
317-306-7447

FAX number
317-306-7907

E-mail address
larry_e_bryan@raytheon.com

Mailing address (*if different from facility address*)

City / State / ZIP Code

REPORTING PERIOD

Reporting period dates (*month, day, year*)
01/01/2014 - 12/31/2014

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. The site conducted an EHS Awareness day. Representatives from local agencies come to Raytheon and set up displays to allow employees to ask questions and get information from these agencies about environmental issues at work and at home. We also generated an annual EHS calendar, which the children or grandchildren of Raytheon employees submitted EHS drawings in a contest with prizes going to everyone that participated. The calendars were made available to all employees. Raytheon conducts and Earth Day event distributing tree sapling to employees along with represenatives from various agnecies such as the IDNR. Employee could win items such as a rain barrel, vegetable seeds, worm compost made on-site as part of the site's Earth Day activities. Additionally, this facility submitted it's annual ESP performance report in 2014.

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 Available Upon Request

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? August 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?

   ☒ Yes—If yes, skip to Question 3.

   ☐ 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:

☐ Yes	☐ No	Evidence of senior management support, commitment, and approval.
☐ Yes	☐ No	A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.
☐ Yes	☐ No	Identification of the environmental aspects at the entity.
☐ Yes	☐ 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.
☐ Yes	☐ 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.
☐ Yes	☐ 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.
☐ Yes	☐ No	Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services and modifications of existing processes.
☐ Yes	☐ 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.
☐ Yes	☐ No	Documentation of the implementation procedures and the results of implementation.
☐ Yes	☐ No	Appropriate written EMS procedures.
☐ Yes	☐ 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?

   ☐ No—If no, skip to Question 4.

   ☒ Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency: See attached report from Wilcox Environmental Engineering.

4. Name, title, and organization of ISO 14001:2004 EMS Lead Auditor that conducted the most recent EMS assessment: Aaron Miller, Sr. Project Manager, Wilcox Environmental

5. What type of protocol was used to perform the independent EMS assessment?

   ☐ ISO 14001:2004 Certified audit
   ☐ Responsible Care EMS audit
   ☐ Responsible Care 14001 audit
   ☒ ESP Independent Assessment Protocol
   ☐ Other *(please specify)*: _____

6. Is the EMS certified to a recognized standard?

   ☐ Yes—If yes, what standard does the EMS follow *(please provide a copy of the most recent certificate)*?

   ☐ ISO 14001:2004
   ☐ Responsible Care EMS
   ☐ Responsible Care 14001

   ☒ No.

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

Month / Year: March 2015

Who headed the review *(name and title)*? Michelle Van Tassel, VP IIS & Larry Bryan, EHS Manager

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: Environmental Regulations (federal & state) and Corporate Environmental Protocols

Month(s) / Year(s): November 2010

Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Raytheon EHS Corporate Audit Team

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?

None

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).
Electronic Document Controls were revised to be less cumbersome in 2013.

Environmental aspects and impacts spreadsheet was revised to included a sodering operation in 2013

☐ 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.

In 2014 a Liberty Mutual Gold Safety Excellence Awards was presented for Safety Excellence. Maintained as a member of the Partners for Pollution Prevention and the Central Indiana Clean Air Partnership, 2014 Energy Star and EPA's Waste Wise - Indianapolis is an active participant in both programs.

2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.

The site took advantage of the Program to discuss an application to our air permit emergency generator usage.

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?

No.

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: Energy Indicator: Natural Gas & Elec.	Baseline Quantity	Future Goal Quantity	Current Quantity	Cost Savings
Calendar year 2014	2013	2014	2014	$160,479
Actual quantity (per year)	19,407,000 kWh		17,916,000 kWh	
Normalized quantity (per year)				
Basis for your normalizing factor (e.g., gallons of paint produced)	No NF used because project consisted of installing new HVAC that didn't relate to production, although it did have energy & cost savings benefits.			
Measurement unit (e.g., pounds)				

Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress.
The 2014 project was to reduce natural gas and electricity usage at the plant. This was accomplished by removing four chillers in our facility and transferring their cumulative cooling capacity of 340 tons to our main plant chillers. This reduced the false load used to stabilize our main chiller. In turn, this reduced steam used to offset the false load. Total savings were 1,491 Mwh for cooling and 5,848 dekatherms of natural gas. We also removed 877 pounds of R-22 refrigerant from use and reduced greenhouse gasses by 1,339 Tons of CO_2. The total project savings was $160,479.00.

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

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

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 2014	Future Year 2015	Unit
☐ Material Procurement	☐ Recycled content			Pounds, tons
	☐ Hazardous/toxic components			Pounds, tons
☐ Suppliers' Environmental Performance	☐ Specify indicator: _____			As specified for the particul r indicator
☐ Material Use	☐ Materials used			Pounds, tons
	☐ Hazardous materials used			Pounds, ons
	☐ Ozone deple ing substances use			CFC-11 quivalent pounds
	☐ Total packaging materials used			Pounds, tons
☐ Water Use	☐ Total water used			Gallons
☐ Energy Use	☐ Electricity			kWh / MWh, Btu / MMBtu
	☐ Steam			kWh / MWh, gallons, ft^3
	☐ Natural gas			Btu / MMBtu
	☐ Diesel			Gallons
	☐ Propane / LPG			Btu / MMBtu, gallons
	☐ Gasoline			Gallons
	☐ Solar			kWh / MWh
	☐ Wind			kWh / MWh
	☐ Landfill gas			Btu / MMBtu
	☐ Combined heat and power			kWh / MWh, Btu / MMBtu
	☐ Other: _____			
☒ L nd and Hab tat	☒ Land and habitat conservation	0	43,560	~~Square feet~~, acres
	☒ Community land revitalization	0	43,560	~~Square feet~~, acres
☐ Air Emissions	☐ T tal GHGs			MTCO2E
	☐ VOCs			Pounds, tons
	☐ NOx, SOx, $PM_{2.5}$, PM_{10}, or CO			Pounds, tons
	☐ Air toxics			Pounds, tons
	☐ Odor			European Odour Units
	☐ Radiation			Curies, Becquerels
	☐ Dust			Pounds, tons
☐ Discharges to Water	☐ COD or BOD			Pounds, tons
	☐ Toxics			Pounds, tons
	☐ Total suspended solids			Pounds, tons
	☐ Nutrients			Pounds, tons of N or P
	☐ Sediment from runoff			Pounds, tons
	☐ Pathogens			MPN/ml, CFU/ml
☐ Non-hazardous Waste ☐ Hazardous Waste	☐ Landfill			Pounds, tons
	☐ Incineration			Pounds, tons
	☐ Reused/recycled off-site			Pounds, tons, gallons
	☐ Other: _____			Pounds, tons, gallons
☐ Noise	☐ Noise			dBA
☐ Vibration	☐ Ibration			Inches per second
☐ Products	☐ Expected lifetime energy use			kWh / MWh, Btu MMBtu
	☐ Expected lifetime water use			Gallons
	☐ Expected lifetime waste to air,			Pounds, tons

	water, or land from product use			
	☐ 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)? Land and habitat conservation using ISN's wildlife package.

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: This environmental improvement correlates with Raytheon's initiatives to reduce energy through fuel consumption and greenhouse gases, which are aspects of Raytheon's EMS goals, but not a significant aspect of Raytheon's EMS goals. This initiative also represents one of the ESP environmental improvement categories which Raytheon Indianapolis intent is to build awareness and employee participation through other various internal organizations.

CERTIFICATION AND PLEDGE

On behalf of (*name of facility*) Raytheon Intelligence, Information and Services (IIS) Indianapolis

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, Raytheon IIS, Indianapolis, 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 1st 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	Date (*month, day, year*)
	Director, Manufacturing & Depot Operations	March 28, 2015
Printed signature Michelle Van Tassel		