


COVANTA
Powering Today. Protecting Tomorrow.

COVANTA

Powering Today. Protecting Tomorrow.

The Road to VPP STAR




Covanta Energy

World's leading Energy-from-Waste company

- Operate **45** modern EfW facilities in North America, China and Europe.
- Annual capacity to convert **20 million** tons of waste into more than **9 million** MWhrs—enough clean energy to power **1 million** homes.
- Annually recycle over **430,000 tons** of metal - the equivalent amount of steel that would be used to build **5 Golden Gate Bridges**.
- More than **3,500** professionals employed in North America.






Partnerships and Programs

Select Programs

- Fishing for Energy™
- Rx4Safety™
- Call2Recycle™ Partnership



Select National Board Associations

- Go Green Initiative Association™
- National Recycling Coalition™
- Product Stewardship Institute™



Partnership with OSHA



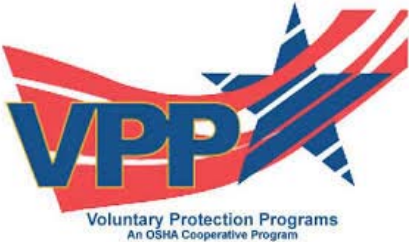
- Prestigious cooperative program
- Started with first site in 1984
- Currently 2335 sites nation-wide
- 63 sites in the state of Indiana





How Do We Get Started?

Congratulations!



- 1. Deciding you want to be a partner
- 2. Attending seminars and programming
- 3. Contacting OSHA



What Exactly is VPP?

- A Cooperative Program with OSHA
- **THE FOUR ELEMENTS:**
 - Management Leadership and Employee Involvement
 - Worksite Analysis
 - Hazard Prevention and Control
 - Safety and Health Training



Just Remember: 4 Seasons in a year, 4 Elements of VPP



Management Leadership



It's not just about the money!

This is where it all begins

- Must have top site management personally involved
 - S&H policy communicated to employees
 - Clearly assigned S&H responsibilities

This is the Key to it all



A **written** safety and health management system appropriate for your site's size and your industry*

* often referred to as a safety and health manual with policy and procedures specific to your site



Our Written System





Employee Involvement

You can't just preach it, everyone has to practice it

- Employee's must be meaningfully involved
- Need to be a part of the activities and decisions that affect their S&H
- Must be 3 unique ways



They're a part of the puzzle



How We Get Involved



Hauler Safety Day



Rope Rescue Team



Safety Cup Challenge

Other Ways:

- VPP Committee
- First Aid, AED, CPR
- All Employee Round-Table



More Employee Involvement

TEAMWORK



- Fire Extinguisher Team
- Smoke & CO2 Detector Team
- Accident Investigation Team
- Pre-use Analysis Team
- Slogan Competitions
- “Safety Cone” “Safety Light”
- Employee Driven Safety Meetings
- First Response Teams
- Etc.



Worksite Analysis

It all starts with your **BASELINE**

•A baseline hazard analysis identifies common hazards associated with your site, (OSHA regulations, building codes, and other industry standards) for which existing controls are well known
 • Samples, tests, and analyses that follow nationally recognized procedures

•Hazard analysis of routine jobs, tasks, and processes that identifies uncontrolled hazards and leads to hazard elimination or control
 •Hazard analysis of significant changes, including non-routine tasks, new processes, materials, equipment, and facilities(Pre-Use)
 •A **written** hazard reporting system

•Self-inspections that cover the **entire site** at least **quarterly** (weekly for construction) conducted by trained staff, with written documentation and hazard correction tracking

The image shows a 'Covanta HSE Communication Form'. It includes fields for 'Date/Time', 'Job Description', 'Area Location', 'Plant Name', 'Department', and 'Facility Name'. There are several sections of checkboxes for reporting different types of hazards and incidents, such as 'Safety Observation', 'Near Miss', 'Incident', and 'Hazardous Material'. The form also has sections for 'Investigate/Corrective Action or Remediation for Reported Incident', 'Notify to Prevent Recurrence, Improve Behavior, Supportive Programs', and 'Reviewed by (Initials) on (Date)'. At the bottom, there are fields for 'Date/Time Reported', 'Event/Report Number of Incident', and 'Risk Rating'.



Hazard Prevention & Control



- An effective system for eliminating or controlling hazards. This system emphasizes engineering solutions but it may also use administrative controls and personal protective equipment.
- A system for tracking hazard correction.
- A written preventive maintenance system that reduces safety-critical equipment failures



Safety and Health Training



- Training for managers and supervisors that emphasizes safety and health responsibilities
- Training for all employees on the site's safety and health management system, the site's hazards, its' hazard controls in place, and the VPP
 - Hazard Recognition Training
- Documentation of all training that employees receive
- Most training requires annual refresher training, when new programs are put into effect, training must be received





Our Path to VPP Star



Established Our Commitment to VPP

- Gained Corporate and local management support for the VPP Program
 - Established solid communication throughout our company
 - Enhanced safety programs (i.e. Near Miss, Step Up) and health goals
- Promoted safety as our core value
 - Establish Double Zero Tolerance as the norm
- Commit to continuous improvement





Work Site Analysis

We had to evaluate ourselves in order to establish the most effective course to take. Some examples:



- Hazard Recognition
- Walking surface surveys
- Guarding surveys
- Self Evaluations (Snapshots)
- Electrical Inspections
- Safety equipment inspections



Work Site Analysis

Many areas throughout our facility required routine inspections to identify hazards and unfavorable conditions



- Difficult to access
- Fall protection required
- Less than ideal conditions
- Respirator required



Worksite Analysis - Results

Improving working conditions demonstrated our commitment to our Employees



- Redesigned screw layouts
- Improved location
- Improved access
- Increased employee safety



Our Culture



- The VPP process promoted a cultural change
- The elements of VPP were embraced by our employees
- Improved employee involvement
 - VPP Committee
 - Rope Rescue
 - Safety Cup Challenges
- Employees more conscious about workplace hazards
- Employees are not afraid to speak up



The Benefits of Membership

EMPLOYEES

The Average VPP Site has a DART case rate 52% below industry average.

OSHA

OSHA gains partners spreading the embrace of Safety and Health. Also augments limited government resources through SGE's and other practices.

EMPLOYERS

Decreased Injury/Illness decrease workers' comp premiums and other costs. Industries gain leaders that change business practices on a whole.

