

Perlick Corporation  
8300 W. Good Hope Rd.  
Milwaukee, WI 53223

## Green Tier Annual Report for 2015 submitted Jan 2016

Perlick joined Green Tier in late 2009. Our first complete year was 2010. In 2011 we enjoyed many successes in reaching our Green Tier Goals. Since 2012 the goals became more difficult to achieve. 2016 has allowed us to continue on our goal path and look for continued innovation. Progress on goals and ongoing compliance activities include:

1. Facility Beautification Our facility beautification has been completed. Now we yearly keep the facility in a constant state. Our present goal is to maintain.
2. Energy consumption continued to be a major concern in 2015. Purchase of energy strips and receiving lower cost bulk energy contracts have allowed savings. Wind and solar are still not feasible.
3. Perlick achieved Small Quantity Generator status production has increased and the amount of hazardous waste remains low relative to the amount of equipment manufactured. We still maintain our SQG status. Perlick continues to maintain low levels of toxic materials through a lab pack clean out of the facility once per year. Our F006 and as much of our other wastes are recyclable. Non haz waste is continually evaluated to reduce or minimize whenever possible.

Major goal in this area is to fine tune the NPB still bottoms to reduce the amount of waste by recycling the unit more often. Modifications were made to the degreaser to better recover still bottoms. Waste from this unit increased in 2015 but because of the modification procedure but will be greatly reduced in 2016.

The use of silver solder cannot be eliminated at this time. Control and reduction in generation has been accomplished. Waste is disposed of with Laser dust.

A reduction in sheet metal scrap is being achieved by the use of laser cutting. This produces laser dust but eliminates larger pieces of waste due to inefficient cutting and programming of cuts on sheet metal. Although this material is being recycled it has eliminated larger amounts of waste. Perlick has purchased and installed a third laser cutting unit and plans are underway for a fourth unit.

4. Annual clean sweep programs continue to eliminate unused or excess chemical storage and possible hazardous waste generation in future years. Perlick believes that active housecleaning yearly reduces both toxic chemical accumulation and saves money by allowing reuse of chemicals whenever possible. It allows us to evaluate expiration dates on chemicals before they become waste problems.

5. Zero to landfill became our motto and goal in 2012. A full audit of our Green Tier program provided further assistance in this accomplishment. Continued business growth

makes us look at every minute detail of waste that leaves the facility. Each waste stream is evaluated for the criteria of recycle ability and reduction. This is the major focus of the green tier audits at this point. Sawdust disposal via secondary fuels continues to be expensive. Landfill would save the facility over \$5000 annually. Continued cheaper secondary fuel sources are a priority for this waste.

6. Toluene use at the facility has been reduced or maintained at the current level. No other solvent cleans the glue with the proficiency that Toluene has. At this time changes in the small use of Toluene in the facility are not scheduled. Continued evaluation of this waste stream will always be a priority.

7. Perlick is evaluating the use of Propane or other gases as a refrigerant to eliminate the use of R134 A in refrigeration units. This would reduce the use and possible release of ozone depleting substances. This change will happen in 2017 and preparation for the change regarding facility compliance and safety concerns are being evaluated.

8. Mexican transition. Perlick has outsourced two production lines to their Mexican facility. This eliminates RTV use, reduces water use, foam generation, waste, and energy use at the Milwaukee facility. 2016 should see significant reduction. This frees up resources and employees to other activities.

9. Employee safety and training. Perlick requested training from their insurance carrier and all employees were retrained in all safety and compliance activities. New hazard assessments were conducted and Perlick is in the process of changing PPE to require safety glasses to be worn throughout the facility at all times. Safety shoes are required for all employees and a program to fit and purchase (with company assistance of \$75) is located at the dock to achieve total compliance with this directive.

10. Water line changes. Perlick installed water replacement involving a new hydrant and upgrading the water lines to the sprinkler system. This insures in an emergency response will be immediate and sufficient to deal with any fire at the facility.

11. Training Center Perlick is in the process of remodeling and changing its training center. This will allow for additional space for employee cubicles and directly connect sewer lines to the sanitary sewer. The streamlining of the new facility will better allow Perlick to train clients as to the proper use and installation of products.

Perlick looks forward to 2016 and the changes again under consideration at the facility, and believes that we will get more ideas for Green Tier improvement from employees. Since Green Tiers inception, Perlick has benefited from goal achievement. Maintaining the Green Tier principles and ideas for future change and improvement seem to be the major benefit of continued support of the Green Tier Program.

Perlick adopted policy statements in mid 2010 to guide future policies at the facility. These are included with this document along with our self audit of the facility with the assistance of our environmental consultant. We meet in January again in the summer and at the end of the year to evaluate and determine goals and progress. Through these efforts Perlick maintains its focus on our goals. Perlick participated in an outside audit of its

Green Tier equivalency in September 2012 and will again look into outside auditing in 2016. This was planned for 2015 but did not materialize.

Perlick has identified several 2015 goals which provided continued achievement in energy reduction. Perlick production increased 23% in 2015 which increased waste; raw material usage and energy use but at reduced relative amounts due to adherence set forth by Green Tier policies.

1. Zero to Landfill (ZTL) continues to be our motto on waste reduction and elimination goals. This focuses on scrutinizing every waste stream for the most effective reuse or recycle capabilities. Reuse of sawdust is currently our major concern in this area.
2. Energy use. Perlick has installed robotic laser cutting units to reduce employee overtime, and allow the shift to run without lights, and with reduced heat and energy needs. A fourth robotic unit is planned for 2016.
3. Water use Business development has increased Perlick's market share and increased manufacturing at a substantial rate. This has increased water usage and now that usage has become a goal to reduce and save costs. We are investigating ways to reduce water usage. Recirculation of cooling water may be possible. Water use remains low and the total cost minimal. Recycling is not really an option at this time.
5. Promote Green Tier Ideas Continue to gather more ideas from employees
6. All electronic equipment is purchased with energy efficient and energy saving modes.
7. Perlick's insurance carrier has provided new training guidance and is retraining all employees in 2015.
8. MSDs have been electronically stored and have been made available. Employees have been trained on SDS nomenclature and in 2016 a new system of evaluating all SDS and removal of old MSDS is underway.

Perlick still believes that Green Tier has benefited the company by allowing us to focus on parameters and make changes that immediately impact Perlick's bottom line. Many of those easier targets have been accomplished. New goals and objectives possibly without short term benefits but with longer paybacks are hard to achieve. We see the system set up to better assist us in identifying key aspects that can make large differences. It also has allowed us to focus on gathering more ideas from more people by getting employees involved. Perlick believes that the major benefit of Green Tier has been its stress on compliance records and organization of compliance deadlines and activities.

**ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) METRICS  
FISCAL YEAR 2015 COMPLETED JAN.26, 2016**

**Part I: Facility/Organization-level Information**

Agency / Department:	Operations Management at Perlick
Sub-Agency:	Doug Graf Environmental Manager
Facility Name:	Perlick Corporation
Description/Scope:	Describe the scope of the EMS (see table below for examples)
Inception Date:	2009
Full Implementation Date:	The program was implemented in 2009. Operational for 2011 and 2014 Outside audit completed Sept 2014. Fully implemented at this time.
Point of Contact:	Doug Graf
POC E-mail:	dmg@perlick.com
ISO 14001 Registration:	None
EMS Recognition:	State of Wisconsin Green Tier Program
Comments:	<b>Last external audit of program under Green Tier certification has been made by ECS of Lake Mills on Sept. 2012. Audit of systems in conjunction with our environmental consulting firm Michael Seeliger &amp; Associates, Inc</b>

**Part II: EMS Internal Audit and Declaration of Conformance**

In FY 2015:

**Not Currently In Conformance:** The EMS for the facility/organization is not “fully implemented,” in accordance with the requirements of the CEQ Implementing Instructions (cited above).

**Currently In Conformance:** The EMS is “fully implemented” in accordance with the requirements of the CEQ Implementing Instructions (cited above).

**Supplementary Data:**

Date of Declaration of Conformance \_\_\_\_Sept 2012\_\_\_\_\_

Declaration issued by Kevin Lehner

(Title) Environmental Compliance Systems

Date of completion of most recent EMS audit by a qualified party outside the control or scope of the EMS \_\_\_\_\_Jan 2016\_\_\_\_\_

### **Part III: EMS Performance Metrics for EMS Scorecard**

#### **1. Environmental Aspects**

In FY 2015, within the scope of a facility's/organization's EMS:

Using an established procedure, both previously and newly identified **environmental aspects and significant environmental aspects were evaluated and updated** for all of the facility's/organization's activities, products, and services (including transportation and energy related activities).

#### **2. Sustainable Practices**

In FY 2015:

The facility/organization has **established and implemented programs** to address all applicable sustainable practices as required by Executive Order 13423 through its EMS.

#### **3. Objectives, Targets, and Programs**

In FY 2015

Measurable environmental objectives, targets, and programs were established and documented OR previously established and documented objectives, targets, and programs were reviewed and updated AND 95% or greater of established targets were on schedule to be met.

#### **4. Environmental Training**

In FY 2015

**Procedures** to ensure that training requirements for individual competence and responsibility **were established; training requirements** to ensure individual competence and responsibility **were identified or updated**; training (including refresher training) was **available and carried out and documented**; and training requirements for competence were **monitored and revised**..

#### **5. Operational Controls**

In FY 2015

Documented **operational controls** to address activities associated with significant aspects and consistent with objectives and targets **were established or updated and are fully implemented**, AND previously documented **operational controls were formally reviewed and/or updated** (i.e., supplemented, revised, deleted) as appropriate to ensure their ongoing effectiveness.

#### **6. Contracts and Concessionaire Agreements**

During this reporting period or previously, the facility/organization **established a procedure** to identify appropriate contracts; **identified appropriate contracts** and the contractors' roles and responsibilities under the EMS; and **established a schedule** to modify appropriate contracts.

However, the facility/organization **did not modify appropriate contracts** to include EMS requirements and defined roles and responsibilities.

**7. Evaluation of Compliance with Regulatory Requirements**

In FY 2015

During this reporting period or previously, the facility/organization **established** as part of the facility/organization’s EMS **an environmental compliance program** that includes:

- (a) Procedures to identify and account for applicable legal and other requirements,
- (b) Protocols to periodically evaluate compliance with those applicable legal and other requirements, including the frequency of compliance evaluations, and
- (c) A process or system for implementing corrective actions based on that evaluation.

AND

The facility/organization has **identified applicable legal and other requirements.**

AND

The facility/organization has **completed evaluations of compliance** with applicable legal and other requirements for the entire facility/organization, in accordance with the established frequency.

AND

**Corrective actions have been initiated, scheduled or completed.**

**8. Management Review**

In FY 2015

Formal senior leadership review of the EMS **was conducted**, top management **responded to recommendations** or gave directions for continual improvement, and appropriate actions including modifications to elements of the EMS have been **initiated, scheduled or completed.**

**Part IV: EMS Relationship to Sustainable Practices**

**1. Energy Use**

a. Has an assessment of the facility's/organization’s energy use been conducted?	<input type="checkbox"/>	Yes		
b. Is energy use identified as a ‘significant aspect’?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established to address energy use?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address energy use?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		

## 2. Greenhouse Gas Emissions

a. Has an assessment of the facility's/organization's greenhouse gas emissions been conducted?		Yes		
b. Are greenhouse gas emissions identified as 'significant aspects'?			<input type="checkbox"/>	Not applicable
c. Have objectives and targets been established for greenhouse gas emissions?			<input type="checkbox"/>	Not applicable
d. Are these objectives and targets included in the EMS?			<input type="checkbox"/>	Not applicable
e. Have plans and programs been implemented to address greenhouse gas emissions?			<input type="checkbox"/>	Not applicable
f. Are these plans and programs included in the EMS?			<input type="checkbox"/>	Not applicable

## 3. Renewable Energy Use

a. Has an assessment of the facility's/organization's renewable energy use been conducted?	<input type="checkbox"/>	Yes		
b. Is renewable energy use identified as a 'significant aspect'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for renewable energy use?	<input type="checkbox"/>	NO		
d. Are these objectives and targets included in the EMS?		Yes		
e. Have plans and programs been implemented to address renewable energy use?		Yes		Not feasible
f. Are these plans and programs included in the EMS?		Yes		

#### 4. Water Use

a. Has an assessment of the facility's/organization's water use been conducted?	<input type="checkbox"/>	Yes		
b. Is water use identified as a 'significant aspect'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for water use?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address water use?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		
g.				
h.				

#### 5. Purchasing

a. Has an assessment of the facility's/organization's purchasing practices been conducted?	<input type="checkbox"/>	Yes		
b. Are environmental aspects associated with purchasing identified as 'significant aspects'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for aspects associated with purchasing practices?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address purchasing practices?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		

## 6. Solid Waste Generation

a. Has an assessment of the facility's solid waste generation been conducted?	<input type="checkbox"/>	Yes		
b. Is solid waste generation identified as a 'significant aspect'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established to address solid waste generation?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address solid waste generation?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		

## 7. Purchasing and Using Toxic or Hazardous Chemicals

a. Has an assessment of the facility's/organization's practices for purchasing and using toxic or hazardous chemicals been conducted?	<input type="checkbox"/>	Yes			
b. Is purchasing and using toxic or hazardous chemicals identified as a 'significant aspect'?	<input type="checkbox"/>	Yes			
c. Have objectives and targets been established for purchasing and using toxic or hazardous chemicals?	<input type="checkbox"/>	Yes			
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes			
e. Have plans and programs been implemented to address purchasing and using toxic or hazardous chemicals?	<input type="checkbox"/>	Yes			
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes			

## 8. Construction/Lease/Operation/Maintenance of Buildings

a. Has an assessment of the facility's/organization's practices related to construction/lease/ operation/maintenance of buildings been conducted?	<input type="checkbox"/>	Yes		
b. Are the environmental aspects associated with construction/lease/ operation/ maintenance of buildings identified as 'significant aspects'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for aspects associated with construction/lease/ operation/maintenance of buildings?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address aspects associated with construction/lease/ operation/maintenance of buildings?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		

## 9. Vehicle Fleet Use/Petroleum Products Use

a. Has an assessment of the facility's/organization's vehicle fleet use/petroleum product use been conducted?					<input type="checkbox"/> No fleet or petroleum product use
b. Are vehicle fleet use/petroleum products use identified as 'significant aspects'?			<input type="checkbox"/>	No	
c. Have objectives and targets been established for vehicle fleet use/petroleum product use?			<input type="checkbox"/>	No	
d. Are these objectives and targets included in the EMS?			<input type="checkbox"/>	No	
e. Have plans and programs been implemented to address vehicle fleet use/petroleum product use?			<input type="checkbox"/>	No	
f. Are these plans and programs included in the EMS?			<input type="checkbox"/>	No	

## 10. Purchase/Use/Disposal of Electronic Equipment

a. Has an assessment of the facility's/organization's purchase/use/disposal of electronic equipment been conducted?	<input type="checkbox"/>	Yes		
b. Are purchase/ use/disposal of electronic equipment identified as 'significant aspects'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for purchase/use/disposal of electronic equipment?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address purchase/use/disposal of electronic equipment?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?			<input type="checkbox"/>	No

## 11. Environmental Regulatory Compliance

a. Has a compliance assessment of the facility's regulated products, activities and services been conducted?	<input type="checkbox"/>	Yes		
b. Is environmental regulatory compliance identified as a factor in determining 'significant aspects'?	<input type="checkbox"/>	Yes		
c. Have objectives and targets been established for environmental regulatory compliance?	<input type="checkbox"/>	Yes		
d. Are these objectives and targets included in the EMS?	<input type="checkbox"/>	Yes		
e. Have plans and programs been implemented to address environmental regulatory compliance?	<input type="checkbox"/>	Yes		
f. Are these plans and programs included in the EMS?	<input type="checkbox"/>	Yes		

## **Part V: EMS Experiences**

### **1. EMS Best Practices / Lessons Learned:**

1. Review of paperwork to provide written revisions of system set up
2. Reviewed aspect changes
3. Acquire employee involvement in change recommendations

### **2. EMS Challenges:**

1. Training program monitoring to maintain compliance
2. Energy use evaluation to continually strive for lowest cost energy option
3. Ongoing monitoring for possible employee exposure

### **3. External Communication:**

1. Continued communication with Fire Dept. and Police Dept.
2. Acceptance by LEPC Board for emergency plan
3. Continue to get assistance from DNR on compliance activities
4. Continued cooperation with Neighborhood Services Emergency procedures

### **4. Highest Priority Aspects:**

1. Continue to maintain SQG status
2. Review department elimination for hazardous waste production
3. Evaluate employee exposure to noise, fumes and vapors and dusts
4. Prepare and evaluate compliance issues for 2017 change to Propane refrigerant

### **5. EMS Benefits to Agency Mission:**

1. Relationships with government agencies are now at a high level
2. Small quantity generator status
3. Continued air quality reduction and compliance
4. Get employee involvement
5. Show Customers Perlick's concerns
6. Ease of environmental compliance
7. Ease of Aspect review
8. Ease of training review

**Green Tier Policy Statements**  
**Perlick Corporation**  
**Milwaukee, Wisconsin      July 2010**  
**Continued adoption Jan. 2012**  
**Continued support Jan. 2016**

**1 Energy Policy** – Perlick believes that future success involves the intelligent use of energy. To this end Perlick will strive to reduce its consumption of fossil fuels wherever possible. Perlick will also continue to evaluate solar, wind and other alternate sources of energy supply in new and existing processes in order to maintain the quality product Perlick produces.

**2 Renewable Energy Policy** – Perlick will continually to strive to lower its energy use and conserve resources expended to produce its products. Whenever possible Perlick will conserve energy and use least expensive energy supplies. Perlick is committed to using new energy saving devices wherever possible and use off peak energy when feasible to reduce energy demand at the facility and lower operating costs. Energy efficiency will be practiced to eliminate waste and non-value added activities that involve the use of additional energy.

**3. Climate Change** – Perlick realizes that its carbon footprint may contribute to climate problems and future energy concerns. To this end Perlick will evaluate all energy resources and strive to reduce its use of Natural Gas and Electricity. Future process changes or additions will evaluate energy needs prior to implementation and strive to reduce, eliminate and lower energy needs for those processes. Perlick will track energy use per unit produced to assist in evaluation of process energy consumption.

**4. Water and Waste Management** – Perlick has a goal of Zero Landfill Status, ZLS. To achieve ZLS Perlick will recycle whenever possible. Perlick will strive to use recyclable products, reduce incoming raw material packaging or use packaging that is recyclable. We will promote using recyclable material for all our vendors. Our goal is to produce ZLS at the facility.

Hazardous and non-hazardous waste will be managed to reduce waste generation per production unit to lowest achievable levels. Hazardous waste will be eliminated whenever possible in favor of non-hazardous waste generation. Waste generated will strive to produce waste favorable to recycle or energy reuse as a priority over treatment and land filling. Landfill of waste material will be monitored to measure and determine goal status.

**5. Transportation / Purchasing** – Perlick will use green vendors whenever feasible and educate employees to think green at work and at all home activities. Employees will be encouraged to bring ideas of recycle and energy reduction to management for implementation whenever possible and be rewarded for energy reduction and process savings.

**6. Corporate Social Responsibilities** – CSR will be practiced throughout management. Perlick will formalize goals to meet the above project goals for long term sustainability and measure progress to achieve these goals. We will identify and discuss why some goals are not immediately achievable and what needs to be an intermediate goal to attain the final goals set forth under the green tier program.

## Perlick Aspect List Page 1

Aspect	Reg.?	Spill	Econ.	Sever-ity	Sig. Insig.	Comments	Legal Req.
<b>Machine Shop</b>							
Lubricant storage	NH				S	SPCC WT1	40CFR112
Waste Oil /coolant	HazD008				S	WT1	NR 690
Scrap Metal					S		NR662
Plastic scrap					S		
Parts cleaning solv.	Haz.					WT1	NR 662
Cleaning Polishing							
<b>Plating</b>							
MPBromide	NH				S	WT1	Air Perm.
Sill bottoms	NH				S	WT1	NR662
Water use					I		
Chemical use/storage	codes				S	SPCC WT1	
Air emissions	Air				S	MAP Cr AT	Air Perm.
Wastewater sludge	Haz				S	WT1	NR662
Chrome test waste	Haz				I	WT1	NR662
<b>Bench Assembly</b>							
Texsol 334 Hyd 142	NH				S	WT1	Air Perm.
<b>Welding Spot/solder</b>							
Energy use							
Air emissions	Air					AT	
Blast beads	HazD007				S	WT1	NR662
Spent Rod							
Non. Cont. cooling H2O	WPDES				I	WT1	WPDES
Acid flux	NH				I	WT1	
Silver solder rags	HazD011				S	WT1	NR662
<b>Metal Fabrication</b>							
Lubricant storage		X				SPCC	
Laser Dust	HazD007-11					WT1	NR662
Scrap Metal	NH				S	WT1	NR662
<b>Assembly</b>							
Texsol 334 Hydrite 142	NH				S	WT1	NR662
Toluene brush cleaner	Haz				S	WT1 AT	Air NR662
<b>Residential</b>							
Compressed Air							
Tape/ Glue use							
Glue cleaning waste							
Foam use							
Energy use							
Refrigerant R134A waste	NH				S	WT1 AT	Air NR662
Glass Metal cleaning Rags	Waste to energy					WT1	NR662
Decal paper waste	HH				I		
Wastewater							
Aerosol Paint	Haz/ Air				S	WT1 AT	Air NR662

## Perlick Aspect List Page 2

Aspect	Reg.?	Spill	Econ.	Sever-ity	Sig. Insig.	Comments	Legal Req.
<b>Packing</b>							
Air bubble maker	None	No			I		
Cardboard use							
<b>Wood Shop</b>							
Saw dust waste				S		Find use	none
Scrap wood							
Plastic waste							
Styrofoam waste							
<b>Shipping and Rec.</b>							
Waste plastic shrink wrap							
Metal banding							
Plastic banding							
<b>Maintenance</b>							
Paint waste	Haz/NH					WT1	NR662
Aerosol cans	Haz					WT1	NR662
Lab pack	UW					WT1	NR662
Light bulbs	UW					WT1	NR662
Batteries	UW					WT1	NR662
Texsol 334	Haz					WT1	NR662
Ballasts	UW					WT1	NR662
E waste	UW					WT1	NR662
Medical waste	Haz					WT1	NR662
Nat gas use			X			EMP 04	
HVAC Maint			X			Cert. cont.	82CFR
Waste paper							
Waste plastic							
Aluminum cans						recycle	

**WT1= Waste training 1**

**AT= Air training**