



**ISO 14001:2015**

# Henrico County

What Have We Done????

# History

- ▶ **14,000 Employees**
- ▶ **9 Divisions with an ESMS**
- ▶ **1 Countywide Program**
- ▶ **VEEP**



# Opportunity!

- ▶ **Simplify**
- ▶ **Minimize**
- ▶ **Organize**



# Simply Minimize

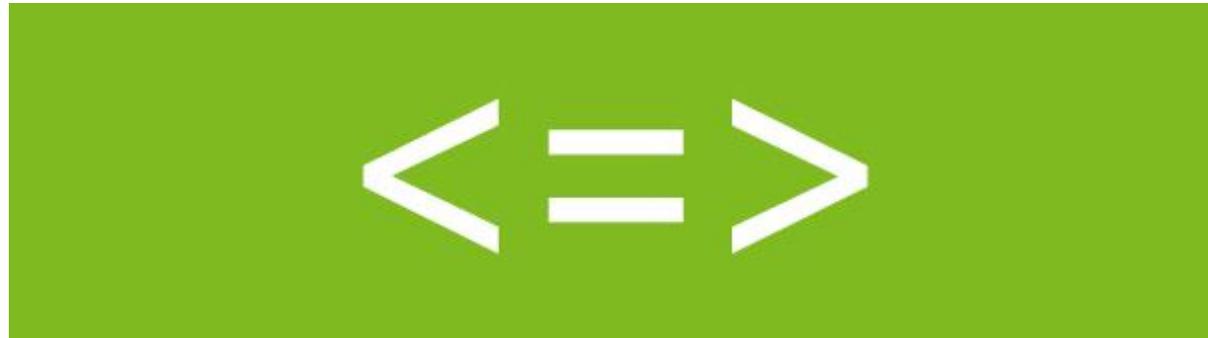
▶ 5 - 1

▶ 55 - 28

▶ 17 - 10

▶ Procedures - eliminated or combined

▶ Summary Charts, Annual Eval, PAP -  
no more



# How Did We Do It?

- ▶ **With Help**
- ▶ **With Meetings**
- ▶ **With Training**
- ▶ **With Continual Improvement**





County Document	
Issue Date	8/1/2016

## 6.1.3 - Compliance Obligations Process

### 1.0 Purpose

- 1.1 This process ensures that all compliance obligations related to the environmental aspects of the ESMS Facility are identified and ensures the ESMS Management Representative maintains access to these requirements.
- 1.2 Compliance obligations include all local, state, and federal environmental legislation and regulations that the ESMS Facility is legally obligated to comply with and any environmentally related orders, judgments, operating permits, licenses, or other forms of authorization. Compliance obligations also include the environmental requirements that the ESMS Facility has pledged to comply with through associations, memberships, and volunteer pledges.

### 2.0 Process

- 2.1 The ESMS Team will evaluate the ESMS Facility's compliance obligations by determining the needs and expectations of its interested parties and reviewing its environmental aspects. Refer to **4.3 - Scope** and **6.1.2 - Evaluation of Aspects and Impacts Matrix**.
- 2.2 The ESMS Management Representative will review the needs and expectations of its interested parties and current list of environmental aspects for the ESMS Facility. From this, the ESMS Management Representative will develop a list of compliance obligations that apply to the ESMS Facility. The current list of compliance obligations that apply to the ESMS Facility is maintained in **6.1.3 - Compliance Obligations Matrix**.
- 2.3 The Environmental Manager will stay abreast of compliance obligations, periodically review and update as necessary the list of applicable requirements, and communicate regulatory changes to the ESMS Management Representative.



# Interdepartmental ESMS Documents

Search this site

- Home
- ESMS NoteBook
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- DPU-OPS
- DPU-Solid Waste
- DPU-WRF
- DPU-WTF
- DPW-Traffic Engineering
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✓ Chapter	Name	Document Type	Division	Modified	Modified By
▶	<b>Chapter : 03 Terms and Definitions</b>			(1)	
▶	<b>Chapter : 04 Context of the Organization</b>			(1)	
▶	<b>Chapter : 05 Leadership</b>			(5)	
▶	<b>Chapter : 06 Planning</b>			(6)	
▶	<b>Chapter : 07 Support</b>			(5)	
▶	<b>Chapter : 08 Operation</b>			(3)	
▶	<b>Chapter : 09 Performance Evaluation</b>			(5)	
▶	<b>Chapter : 10 Improvement</b>			(2)	
▶	<b>Chapter : Reference Documents</b>			(12)	

EDIT LINKS

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# Challenges

- ▶ **External and Internal Issues**
- ▶ **Interested Parties**
- ▶ **Risk and Opportunity**
- ▶ **Original Teams**



# External Issues

- ▶ **Climate**
- ▶ **Air Quality**
- ▶ **Water Quality**
- ▶ **Land Use**
- ▶ **Existing Contamination**
- ▶ **Cultural**
- ▶ **Social**
- ▶ **Natural Resource Availability**
- \* **Political**
- \* **Legal**
- \* **Regulatory**
- \* **Financial**
- \* **Technological**
- \* **Economic**
- \* **Circumstances**
- \* **Biodiversity**

# Internal Issues

- ▶ Activities
- ▶ Products
- ▶ Services
- ▶ Strategic Direction
- ▶ Culture
- ▶ Capabilities



# Interested Parties

- ▶ **Water Quality** —————> **Regulators, Citizens, Media, BOS, County Manager**
- ▶ **Services** —————> **Purchasing, Employees, Management, Contractors, BOS, County Manager**



# Risks and Opportunities

- ▶ **Water Quality** → **Regulators, Citizens, Media BOS, County Manager** →

**Surface Water Pollution = Risk**

**Stormwater Plan = Opportunity**

- ▶ **Services** → **Purchasing, Employees, Management, Contractors, BOS, County Manager** →

**Significant Environmental Impact = Risk**

**Training and Audits = Opportunity**



Reference Document - External and Internal Issues Assessment

Clause 4		Clause 6		
External Issues	Interested Parties	Description	Risk	Opportunities
1 Climate	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media	Subject to coastal flooding from storms	Infrastructure Damage, Service Disruption	Strategies for reinforcing infrastructure; emergency response plan
2 Air Quality	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media	Growing carbon footprint	Failure to meet standards	Emission review and schedule, permit compliance, audits
3 Water Quality	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media, BOS, Co. Manager	Stormwater discharges	Stream pollution	Stormwater plan
4 Land Use	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media	Chemical plant adjacent	External impact	Emergency plan
5 Existing Contamination	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media	USTs exist	Groundwater contamination	Remediation plan
6 Natural Resource Availability	Regulatory Compliance (see Compliance Obligation Documentation 6.1.3), Citizens, Media	Water use	Violation of externally prescribed conservation restrictions	Develop water conservation plan (could be in emergency plan)



### 4.3 - Scope

#### I

#### Organizational and Physical Boundaries

*(List physical address, characteristics, operational specifics, and include a photo or drawing.)*

#### Activities, Products and Services

#### External and Internal Issues

*(Refer to "Reference Document – External and Internal Issues Assessment" for a list of issues that may be relevant to the facility.)*

#### Interested Parties

*(Determine interested parties that are relevant to the ESMS.)*

*[Example: legal authorities, media, contractors, county employees, etc.]*

#### Needs and Expectations of Interested Parties

*(Determine the relevant needs and expectations (i.e. requirements) of these interested parties.)*

*[Example: Follow environmental regulations, voluntary agreements, etc.]*

#### Compliance Obligations

Compliance obligations are addressed in 6.1.3 Compliance Obligations Matrix



EP-6.1.2 Environmental Aspect Process

Criteria	Description	Scoring Categories 1 (low) – 5 (high)				
		1	2	3	4	5
		NO CHANGE			MAKE CHANGE	
Environmental Significance of Impact(s)	Severity of Impact	<i>minimal impact</i>  negligible impact on the environment	<i>moderate impact but localized and readily containable</i>  speculated to contribute to environmental damage	<i>moderate impact over multiple locations</i>  damaging to the environment in limited situations or in combination with other pollutants	<i>significant impact and/or regional</i>  damaging to the environment	<i>extreme impact and/or potential for global impact</i>  damaging to fish or animals
	Probability of Occurrence/ Risk	<i>very unlikely under any operating condition</i>  <u>so</u> unlikely, it can be assumed an occurrence may not be experienced	<i>occurs during abnormal/emergency conditions/probability anticipated and managed</i>  unlikely, but possible to occur in the life of an item	<i>occurs during small-medium new projects or routine maintenance activities</i>  likely to occur sometime in the life of an item	<i>occurs during major new projects or major maintenance activities</i>  will occur several times in the life of an item	<i>occurring during normal operating conditions</i>  likely to occur frequently
	Opportunity	<i>very unlikely to find opportunity</i>	<i>unlikely to find opportunity</i>	<i>somewhat likely to find opportunity</i>	<i>likely to find opportunity</i>	<i>very likely to find opportunity</i>
	Duration of Impact	<i>spike situation extremely short-term duration within one day</i>  material degrades rapidly in the environment	<i>less than one month</i>  material may persist for less than one month	<i>one to six months</i>  material may persist for one to six months	<i>less than one year</i>  material degrades slowly in the environment	<i>long-term duration greater than one year or continuous</i>  impact persists in the environment

# The Original ESMS Teams

- ▶ Getting up-to-speed
- ▶ Sticking to what they know



# To-Do's

- ▶ **Reevaluate and Rescore Aspects**
- ▶ **Migrate Old Documents**
- ▶ **Adjust**



