

VALENTINO

Environmental Controls Guidelines

2022



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Introduction



In 2013 Valentino adhered to the DETOX programme.

To achieve its goals, Valentino reinforces its programme assigning Assessments and Environmental Audits at relevant wet-process suppliers to selected Service Providers.

Audits consist on the following main activities :

- ✓ Check List
- ✓ Water Sampling and Testing
- ✓ Chemicals Testing





1. *Alkylphenols (APs), Alkylphenol Ethoxylates (APEOs)*
2. *Phthalates*
3. *Flame Retardands*
4. *Azo Dyes*
5. *Organotin Compounds*
6. *Perfluorinated Compounds (PFCs)*
7. *Chlorinated Benzenes*
8. *Chlorinated Solvents*
9. *Chlorinated Phenols*
10. *Short Chain Chlorinated Paraffins (SCCPs)*
11. *Heavy Metals such as Cadmium (Cd), Lead (Pb), Mercury (Hg) and Hexavalent Chromium (Cr VI)*

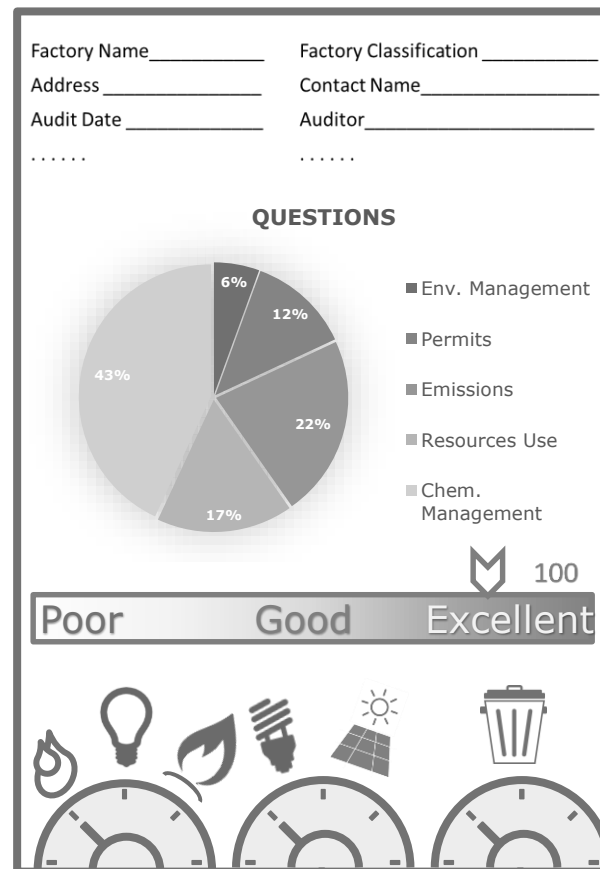


Check List



The Check List is composed by three (3) main sections:

- Section 1 - Production plant registry
- Section 2 - Focus areas:
 - ✓ Environmental Management
 - ✓ Permits
 - ✓ Emissions
 - ✓ Resources Use
 - ✓ Chemical Management
- Section 3 - Audit result, corrective actions and score



Question example on «Chemical Management» focus area

Question ID	Question	Yes	No	N/A	Dettagli Domanda
REU 4.3	Lo stabilimento ha una produzione interna di energia da fonti rinnovabili e/o sistemi di cogenerazione? Does the facility have internal energy production from renewable sources and/or cogeneration systems?				Controllare per quale processo viene utilizzata l'energia e riportare nel campo "Commenti". Check for wich process the energy is used and report in the "Audit Comments" field.

Question example on «Resources Use» focus area

Question ID	Question	Yes	No	N/A	Dettagli Domanda
CMG 5.11	È stato richiesto allo stabilimento di seguire i Requisiti Tecnici di Valentino e di richiedere la conformità ai propri fornitori? Has the facility been asked to follow Valentino's Technical Requirements and to request compliance from its suppliers?				Verificare se lo stabilimento ha a disposizione una copia dei Requisiti Tecnici Valentino. Check if the facility has an available copy of the Valentino's Technical Requirement.



Question examples on sustainability aspects in different focus areas

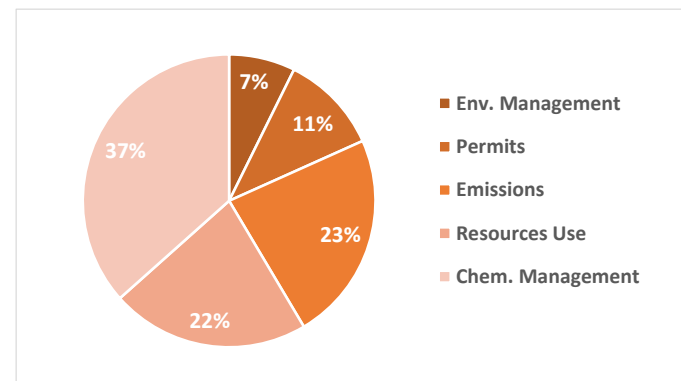
Question ID	Question	Yes	No	N/A	Dettagli Domanda
EMG 1.5	<p>Per la misurazione del proprio impatto ambientale l'azienda ricorre all'utilizzo di strumenti/indici riconosciuti?</p> <p>Does the facility use recognized tools/indicators to measure and assess its environmental performance?</p>				<p>Controllare se l'azienda aderisce a qualche tool per la misura standardizzata dei parametri ambientali fra i vari disponibili (Higg Index, bilancio di sostenibilità, studi LCA, carbon footprint, altro ecc.).</p> <p>Check whether the organization adopts any standardized tool or methodology for assessing its environmental impacts, among the many available (Higg Index, LCA, sustainability report, carbon footprint, others).</p>
EMW 3.9	<p>Sono fissati obiettivi formali per la riduzione della quantità di rifiuti prodotti dallo stabilimento?</p> <p>Have targets for reduction of the facility's wastes production been set?</p>				<p>Indicare tutte le fonti di rifiuti per le quali sono stati fissati obiettivi quantitativi o di miglioramento. Descrivere le misure previste per raggiungere gli obiettivi e la data prevista per il loro completamento.</p> <p>List all the waste sources for which reduction targets were defined. Describe the planned reduction measures and the scheduled deadline (for the achievement of the targets).</p>
REU 4.13	<p>Lo stabilimento è dotato di un piano di implementazione per migliorare il consumo idrico?</p> <p>Does the facility have a plan for reducing water consumption and wastage?</p>				<p>Verificare se lo stabilimento è dotato di un piano di implementazione che dimostri le azioni intraprese per raggiungere gli obiettivi di riduzione del consumo e dello spreco d'acqua.</p> <p>Il piano di implementazione può includere qualsiasi azione che riduca il consumo d'acqua (raccolta e riutilizzo di acqua e condensa, ottimizzazione di processi e formule, manutenzione e riparazione delle perdite ecc.)</p> <p>Check if the facility has adopted a plan and implemented measures for achieving the set water consumption reduction targets.</p> <p>The adopted plan can provide whatever measure taken to reduce the water consumption (collection and reuse of water, optimization of processes and preparations, repair and maintenance of leaks and equipment, etc.).</p>



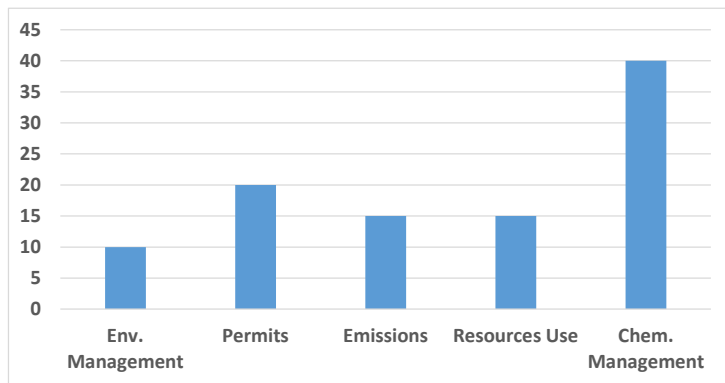
• Five (5) Focus Areas

- Permits
- Emissions
- Env. Management
- Resources Use
- Chem. Management

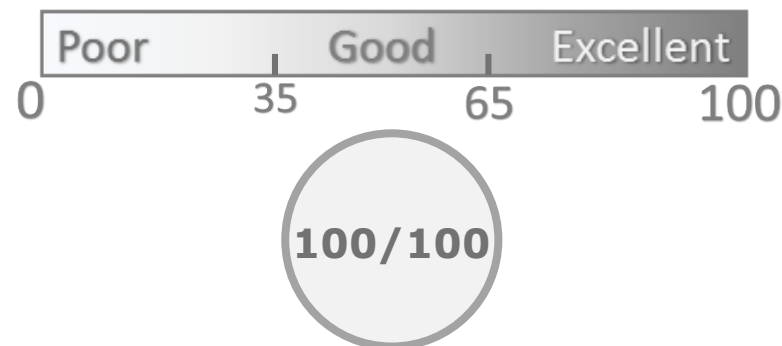
Question % Distribution per Focus Area



Focus Areas % Weight



Audit Score



Water Sampling and Testing



Water tests aim at sampling and testing production process incoming and untreated discharge waters, where appropriate. Each additional sampling point is assessed on a case-by-case basis (sludges, additional sources of untreated water, etc.).

Water samples are tested to check the presence of the 11 priority chemical groups and additional substances. This kind of screening process helps identifying the use of these chemicals in the manufacturing processes.



Sampling points and type of sample:



Incoming Water:

sampled main water source used in the production process, grabbed from the pipeline before water pre-treatment (if any).



Untreated WasteWater:

sampled water after the production process and just before the Effluent Treatment Plant (possibly from the equalization tank).



Treated WasteWater:

sampled after the Effluent Treatment Plant (only if Exclusive). Not sampled in presence of a Common Effluent Treatment Plant (unless differently decided by the auditor due to site peculiarities or specific problems).



Sludges:

sampled only in presence of an Exclusive Effluent Treatment Plant. Not sampled in presence of a Common Effluent Treatment Plant (unless differently decided by the auditor due to site peculiarities or specific problems).

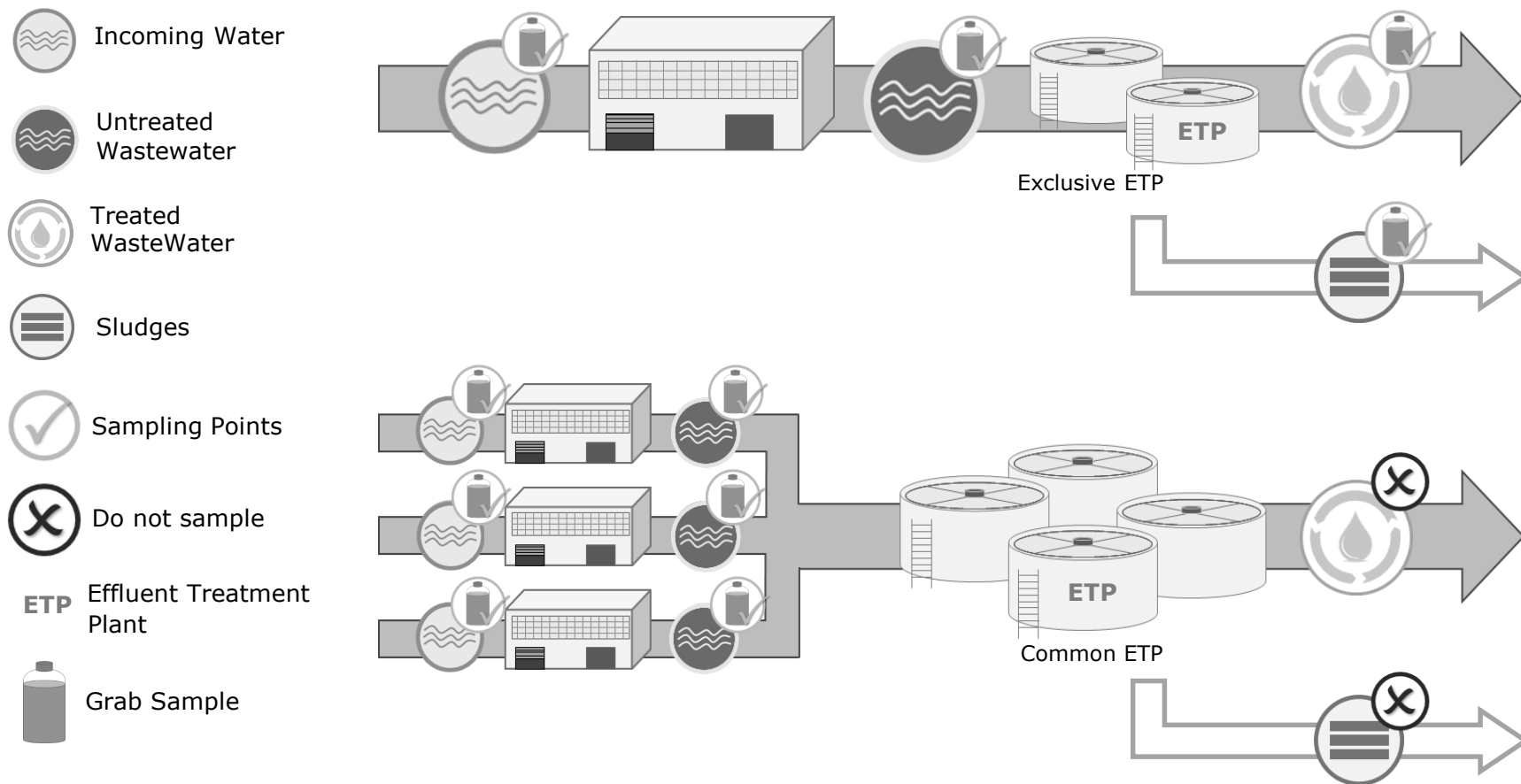


Grab:

one (1) sample taken at a specific time (unless differently decided by the auditor due to site peculiarities).

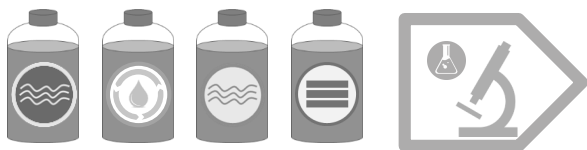


Sampling activity example



In addition of the detailed analytes results, reports contain:

- ✓ A clear description of the samples
- ✓ Pictures of each Sampling Point
- ✓ A summary for Detected/Not Detected Chemical Groups



Example of summary

Group	Incoming W	Untreated WW	Treated WW	Sludges
AP/APEOS	ND	D	ND	ND
Chlorinated Phenols	ND	ND	ND	ND
Chlorinated Benzenes	ND	D	ND	ND
Azo Dyes	NT	ND	ND	ND
Flame Retardands	ND	NT	ND	ND
Organotin Compounds	ND	ND	ND	ND
PFCs	NT	ND	ND	ND
Phthalates	ND	ND	ND	ND
SCCPs	ND	ND	ND	ND
Chlorinated Solvents	ND	ND	ND	ND
Heavy Metals	ND	ND	ND	D

ND: Not Detected
D: Detected
NT: Not Tested

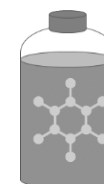
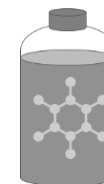


Chemicals Testing



Tested chemical formulations are selected considering chemicals composition, materials to be treated (for instance fabric, leather, etc.), type of use in the production process (auxiliary/colorant/finishing agents, etc.), documentation availability, frequency and amount of use in the supply chain, as well as peculiarities and refinement of specific intended effects.

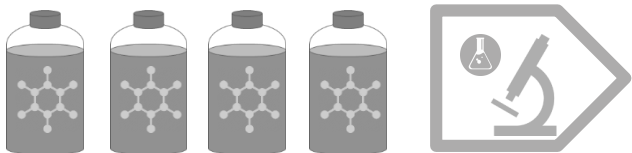
Specific Chemicals are sampled during audits/follow-up or case studies as well. Depending on the kind of production, Service Providers are requested to sample suspect and/or the most used chemical products from the audited company chemical inventory.



Chemical products are tested per applicable substances and in addition to the detailed analytes results, reports contain:

- ✓ A clear description of the samples
- ✓ Copy of related MSDS
- ✓ A summary for Detected/Not Detected

Chemical Groups



Example of summary

Group	Chemical Product 1	Chemical Product 2	Chemical Product 3
AP/APEOS	ND	D	ND
Chlorinated Phenols	ND	ND	ND
Chlorinated Benzenes	ND	D	ND
Azo Dyes	NT	ND	ND
Flame Retardands	ND	NT	ND
Organotin Compounds	ND	ND	ND
PFCs	NT	ND	ND
Phthalates	ND	ND	ND
SCCPs	ND	ND	ND
Chlorinated Solvents	ND	ND	ND
Heavy Metals	ND	ND	ND

ND: Not Detected
D: Detected
NT: Not Tested



The End

