SQAS

SQAS: 25 years helping to improve the safety in the logistics sector in Europe. Update of SQAS 2019 Tank cleaning module

Brussels
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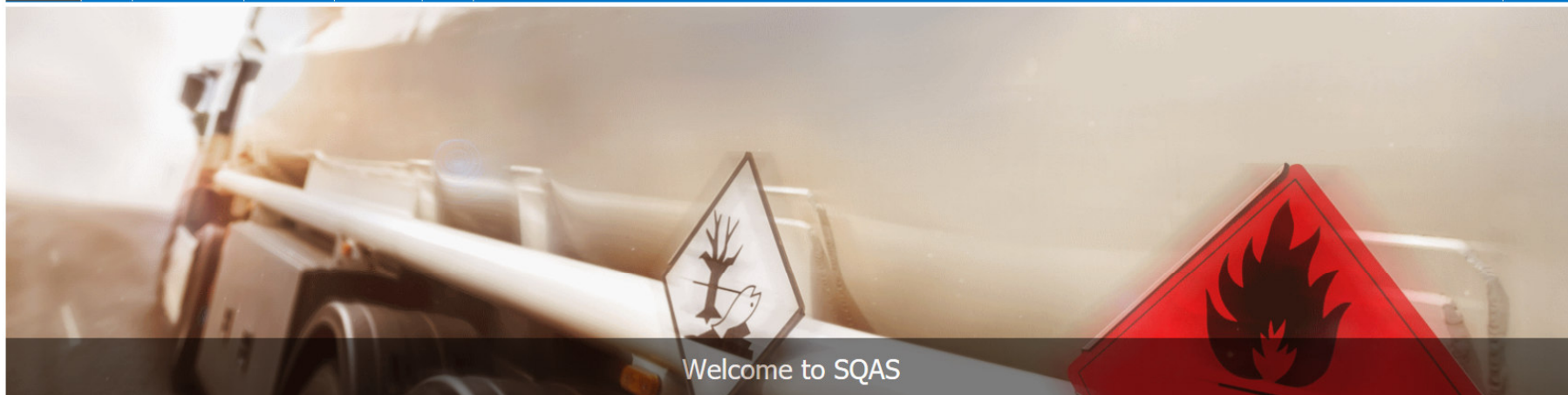
What is SQAS ?

A system to evaluate the safety, health, quality, environmental, security and corporate social responsibility performance of Logistics Service Providers and Chemical Distributors in a uniform manner. The assessments are carried out by independent assessors using single standardized questionnaires

www.sqas.org

Welcome to SQAS

SQAS (Safety & Quality Assessment for Sustainability) is a system of uniform third party assessments to evaluate the performance of Logistics Service Providers and Chemical Distributors. SQAS assessments cover quality, safety, security, environment and CSR (Corporate Social Responsibility). SQAS is not a certification system; it is an assessment system that provides a detailed factual assessment report. The SQAS assessment reports allow chemical companies to evaluate their logistics service providers according to their own standards and requirements.

SQAS is a key element of Responsible Care in logistics operations.

Cefic, the European Chemical Industry Council, manages the SQAS system and ensures its integrity.

SQAS modules

All transport companies and other types of service providers that are active in land logistics and chemical distribution are covered by SQAS through five separate modules:

+ Transport Services
+ Rail Operators
+ Tank cleaning stations
+ Warehouses
+ Chemical distributors

Benefits of using SQAS

Using SQAS offers several advantages:

+ A key tool in the Risk Management of logistics operations, as part of Responsible Care
+ Five SQAS modules covering the different types of Logistics Service Providers active in land logistics
+ Common and uniform industry assessment questionnaires
+ Trained and accredited SQAS assessors
+ Easy access to all assessment reports via a central SQAS database
+ No duplication of assessments by individual chemical companies
+ Supported and used by most chemical companies and logistics service providers

![cefic]

SQAS Summary Report
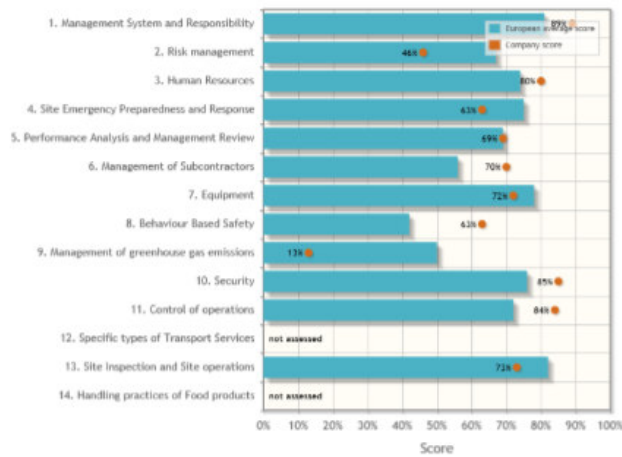Safety and Quality Assessment for Sustainability

Report:
Date:
Country:

Module:
Assessor:
First assessment:

Overall score of the company: 70%

Industry Range of scores per section
This chart shows the average scores of every SQAS section of the company report and the averages scores attributed to companies belonging to the same SQAS module.

Section	Score
1. Management System and Responsibility	
2. Risk management	46%
3. Human Resources	80%
4. Site Emergency Preparedness and Response	63%
5. Performance Analysis and Management Review	69%
6. Management of Subcontractors	70%
7. Equipment	72%
8. Behaviour Based Safety	63%
9. Management of greenhouse gas emissions	13%
10. Security	85%
11. Control of operations	84%
12. Specific types of Transport Services	not assessed
13. Site Inspection and Site operations	72%
14. Handling practices of Food products	not assessed

Legend: European average score / Company score

The SQAS summary report is a statement of facts and this does not express any appreciation of the company's performance. The SQAS assessment is valid for 3 years.
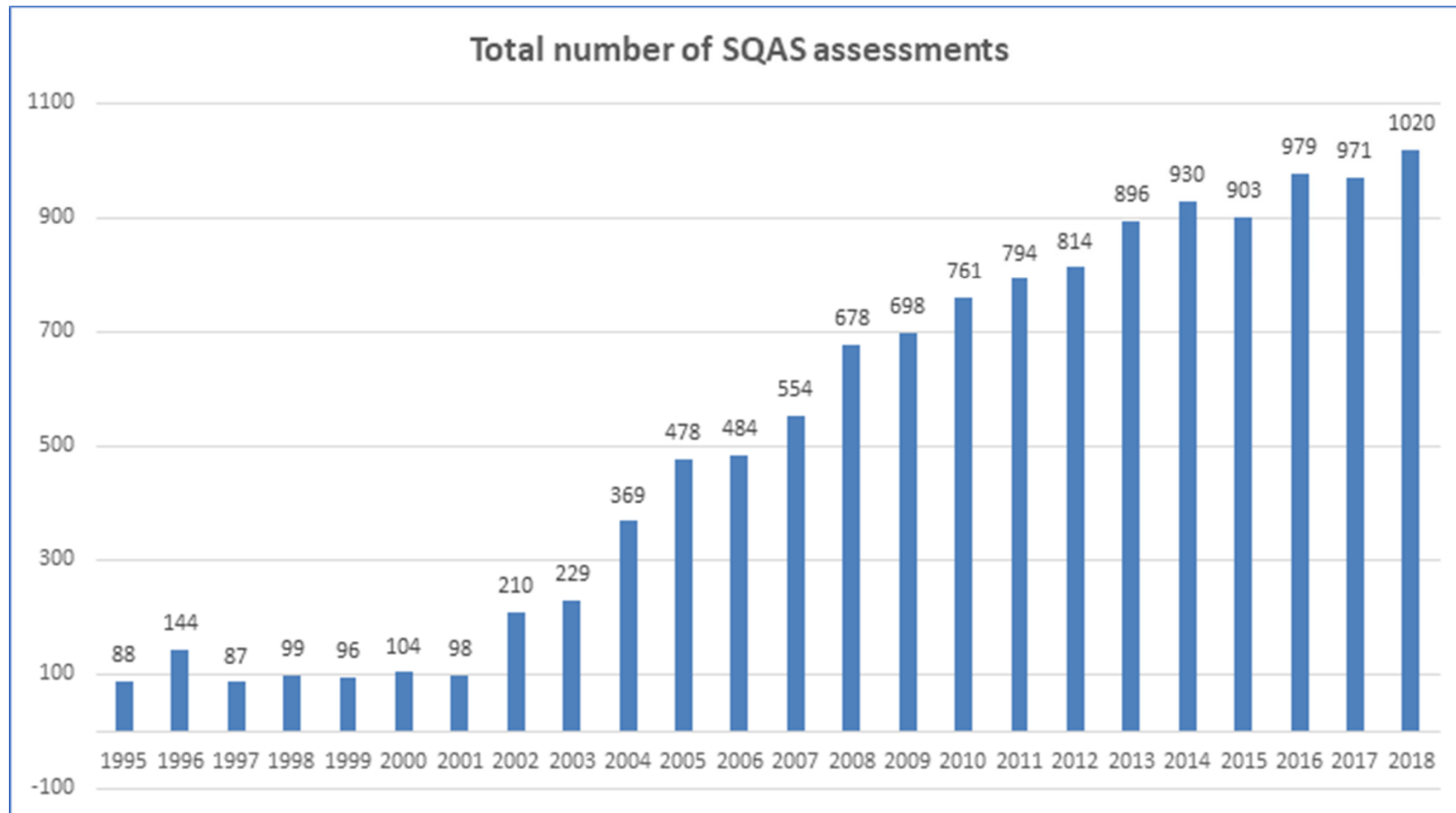
![SQAS Safety and Quality Assessment for Sustainability]
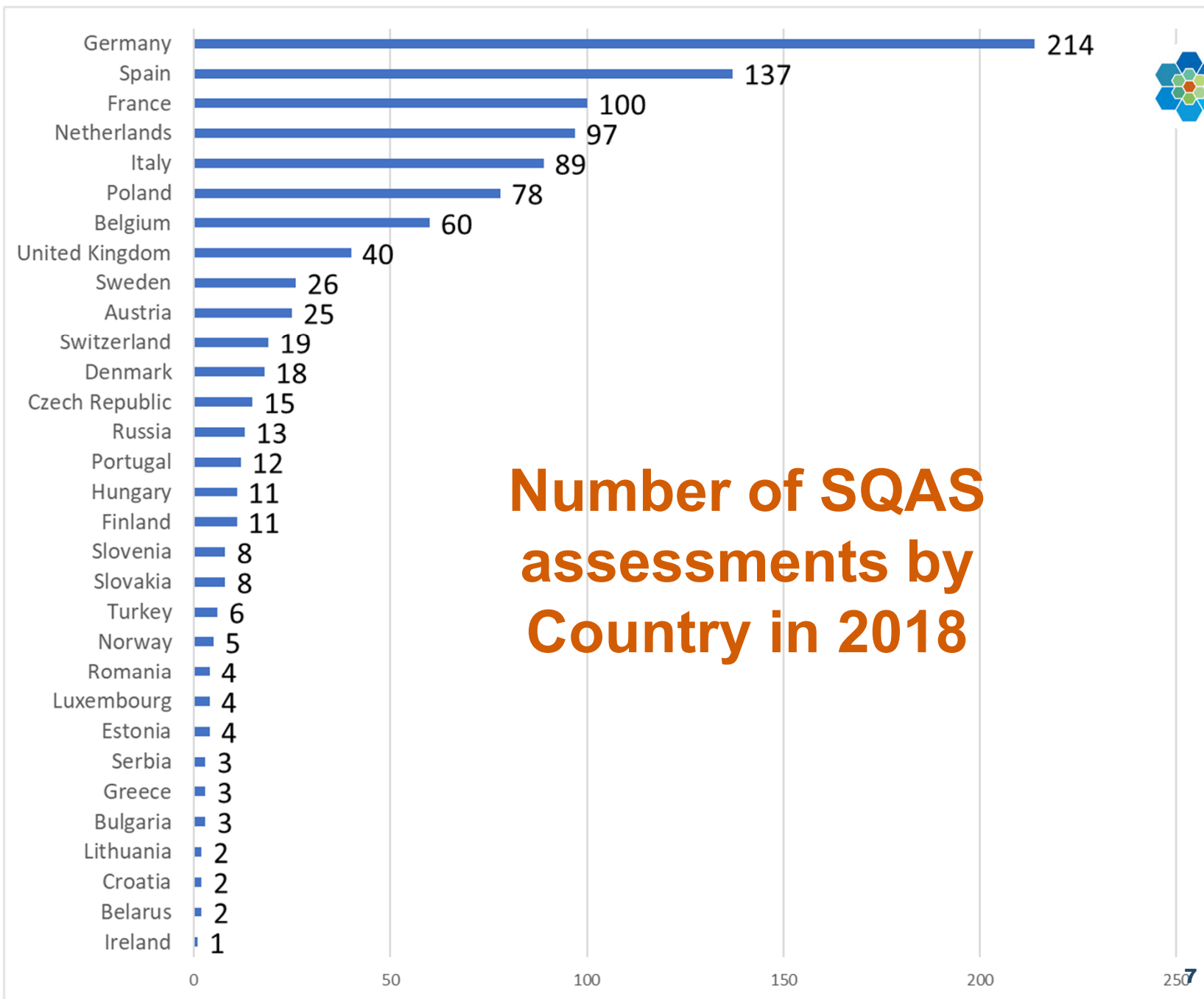
Summary Report

25 Years of SQAS

Total number of SQAS assessments

SQAS Assessments per year

Number of SQAS assessments per year								
	2011	2012	2013	2014	2015	2016	2017	2018
Transport Service	464	440	504	551	510	544	572	573
Cleaning Stations	190	191	197	221	190	245	253	248
Rail Operators	4	12	30	17	20	37	17	30
Warehouses	62	69	45	78	73	64	85	77
ESAD (Distributors)	74	102	120	63	110	89	44	92
Total	*794*	*814*	*896*	*930*	*903*	*979*	*971*	*1020*

Number of SQAS assessments by Country in 2018

Country	Number
Germany	214
Spain	137
France	100
Netherlands	97
Italy	89
Poland	78
Belgium	60
United Kingdom	40
Sweden	26
Austria	25
Switzerland	19
Denmark	18
Czech Republic	15
Russia	13
Portugal	12
Hungary	11
Finland	11
Slovenia	8
Slovakia	8
Turkey	6
Norway	5
Romania	4
Luxembourg	4
Estonia	4
Serbia	3
Greece	3
Bulgaria	3
Lithuania	2
Croatia	2
Belarus	2
Ireland	1

7

SQAS is a success story

➢ Growing number of assessments

➢ Has driven performance improvements in the logistics sector

➢ Used as a model in other regions

➢ Financially self supportive

25 Years of SQAS

Expansion to other Regions

1992: Europe

1995: South Africa, Brasil

2008: China

2013: Gulf

2015: Taiwan

Main changes in SQAS 2019 Core

New structure (aligned with ISO 9001)

2015 structure	SQAS 2019 structure
1. Management	1. Management System and Responsibility
2. Safety, Health, Environment & Security & CSR	2. Risk Management
3. Procurement of services	3. Human Resources
	4. On/Off site emergency preparedness and response
	5. Performance analysis and management review

Main changes in SQAS Core - IT Security

2.4.3	Has a risk assessment been conducted in the last twelve months, as a minimum frequency, regarding data on customers, products and operations and are measures taken to mitigate identified risks?	Verify that the risk assessment has been undertaken. Verify that the company has implemented protection measures on data, e.g. on EDI links , order processing and use of customer order details on an Internet site. EDI (Electronic Data Interchange) is the computer-to-computer exchange of business documents in a standard electronic format between business partners. If the task is outsourced, the assessor will ask for the contract with ... will check that the subjects mentioned below are covered. ... ing risks must be taken into account to protect data: ... e (software which is specifically designed to disrupt, ... orized access to a computer system) ... information on mobile devices (portable PCs, Tablets,

Maersk CEO Soren ... on surviving a cyber attack

After a stormy summer, the ch...

Moller-Maersk puts cost of cyber attack at up to $300m

...pping company

Container shipping conditions best since financial crisis, says Danish conglo...

Global shipping feels fallout from Maersk cyber attack

Main changes in SQAS Core – Training and awareness about impact of plastic small particles

It's a problem

Plastic soup

Plastic 'nurdles' found littering UK beaches

17 February 2017
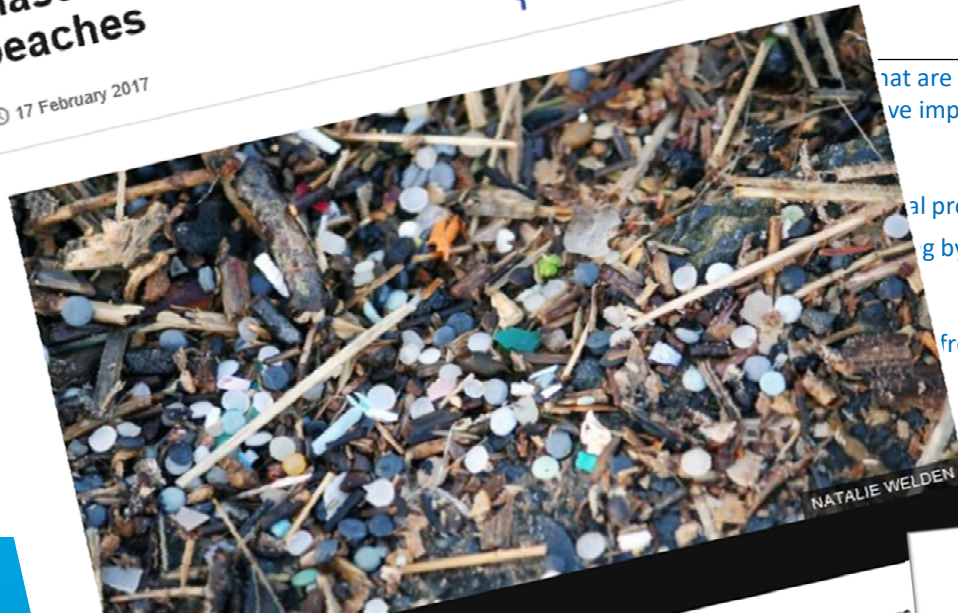
These little round pellets have a name - nurdles

A search of 279 beaches around the UK has found that almost three-quarters of them were littered with tiny plastic "nurdles".
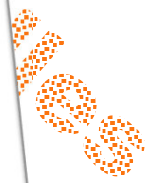
NATALIE WELDEN

| 3.2.2 | Are the f... |
| 3.2.2.n | training an... plastic/flak... company tr... products |

...at are lost during transportation,
...ve impact on the aquatic environment

...al programme designed to prevent

...g by the various entities in the

...from the Plastics Packaging

...l=1152&langfront=en

ty Best Practice
Bulk", item 5:

Operation Clean Sweep®
Objective: zero pellet loss!

PROGRAMME   IMPACTS   SOLUTIONS   PARTNERS

Pellet containment:
A must at all stages in the plastics value chain

Safety and Quality Best Practice Guidelines for Unloading of Polymers in Bulk

Main changes in SQAS Core – Management Review

5.4	Management Review Meetings	Management Review Meetings	
5.4.1	Is a formal management review meeting held at least once a year to review the management system that includes, as minimum, the following inputs?:	Check for evidence that a formal management review of the management system is held, at least annually, to evaluate the overall effectiveness of these systems. Big companies can show "consolidated" management review reports including information from all their subsidiaries, but analysis of the management systems of the assessed subsidiary shall be available.	
		5.4.1.a	the status of actions of previous Management review meetings
		5.4.1.b	the DGSA Annual report (if applicable)
		5.4.1.c	the performance of subcontractors
		5.4.1.d	the effectiveness of the training programme
		5.4.1.e	the audit results
		5.4.1.f	the monitoring of trends of SHEQ, Sec &CSR KPIs, BBS KPIs and Responsible Care KPIs (if applicable)
		5.4.1.g	the extent of which SHEQ, Sec &CSR objectives have been met
		5.4.1.h	the effectiveness of the programmes about resources consumption optimization required by question 2.6.5
		5.4.1.i	the effectiveness of the programmes about emission reduction required by questions 2.6.6
		5.4.1.j	the effectiveness of the programme about waste reduction required by question 2.6.7
		5.4.1.k	the outcome of the last SQAS assessment (if applicable)
		5.4.1.l	the outcome of the emergency response drills
		5.4.1.m	recommendation(s) for improvements
5.4.2	Did the senior management consider the recommendations of 5.4.1. and define an improvement action plan with allocated actions and due dates?		

SQAS TC - Questionnaire & Guidelines – 2019

The questionnaire is reviewed based on the result of the strategic meeting held in December 2017, the feedback from assessors and some chemical companies.

- New question

- New guidelines

- Change of the phrasing in questions and guidelines

    ➔ to reduce different interpretations and confusion

    ➔ to give better insight in tank cleaning

SQAS TC - Questionnaire & Guidelines – 2019

General comments / feedback

- Modify questions with very high score with no added value!

- Change ECD into "EFTCO Cleaning Document", renamed from "European Cleaning Document" (Q 10.2.2)

- Pay more attention to the training of temporary worker

- Because subcontracting is almost not done in the sector, the questions concerning subcontracting are not replaced from the Core to the Tank Cleaning module (done for TS module)

- made reference to GHS Labelling (Q 12.3.10)

- ATEX zone: not only valid for liquids – also appropriate for dust!

SQAS Tank Cleaning - Questionnaire & Guidelines – 2019

Old	New	
4.	**6.**	**Equipment and installations** ✓
5.	**7.**	**BBS Results, Analysis and Monitoring**
6.	**8.**	**Security**
7.	**9.**	**Site Operating Procedures and Customer Interface** ✓
8.	**10.**	**Order Process and Operations** ✓
9.	**11.**	**Other Services /Activities** ✓
10.	**12.**	**Site Inspection** ✓
11.	**13.**	**Handling practices of Food contact materials and Feed Products**

✓   **=**   *Chapter contains new questions*

SQAS TC - Questionnaire & Guidelines – 2019

New questions

9.1.4	Water discharge
9.1.4.1	Procedure for operating of waste water treatment
9.1.4.3	Monitoring and retaining samples of cleaning water
9.1.4.4	Sufficient data storage
9.1.4.5	Are regulatory prescriptions for waste water treatments respected as per permit?
9.1.4.6a	Check legal authorization of external WWT(*) suppliers
9.1.4.6b	Are the waste(water) transports according to legislation?
9.1.4.7	Exists a procedure to avoid mixing of incompatible wastewaters?
(*)	*WWT = wastewater treatment*

SQAS TC - Questionnaire & Guidelines – 2019

New questions

10.2.1   Operating instructions

10.2.1.3i   Avoid pellets from cleaning Silos from getting into waterways

10.2.1.3j   Procedure of correct vehicle sealing (when required)
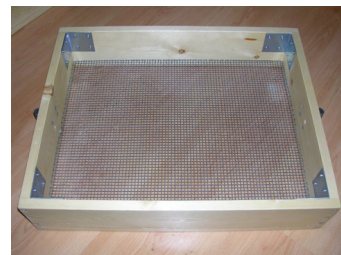
Control of pellets

- This must be avoided:

- Not only bad for the environment, but also for the pumps in the WWT!

- How?:
  → static sieves
  → screw sieve
  → Capture for recycling?

SQAS TC - Questionnaire & Guidelines – 2019

New questions

10.2.2   <u>Cleaning Document</u>

10.2.2.1   Change the ECD name to "EFTCO Cleaning Document"

10.2.2.4   Reduce number of questions and specify time of arrival and time of end of cleaning operation

<u>*PS:*</u>   *This section refers already to the electronic ECD (eECD).*

SQAS TC - Questionnaire & Guidelines – 2019

New questions

<u>11.1</u>	<u>Tank heating of loaded tanks/vehicles</u>

11.1.1e (paper/electronic)   Is there a check list to assure procedures are followed

11.1.2a   Risk assessment for mode of heating (polymerization/burning/quality)

11.1.3   Provisions for working at height (e.g. use of dip stick thermometer)

11.1.7   Designated area or system to prevent mixture of heating commodities (separate place for heating with hot water away from steam heating)

11.1.9   Procedure to check tank after heating and before departure

11.1.10   Management of change risk assessment (MOC) in case of equipment changes of the heating unit (reference made to SQAS Core 2.1.1b)

11.1.11   MOC communication to relevant users

SQAS TC - Questionnaire & Guidelines – 2019

New questions

11.3   Terminal for container/vehicle storage & handling

11.3.1   Is there a permit for the storage and handling of transport units with hazardous content

11.3.6   Dangerous goods segregated according to permit & legislation?

11.3.14   Fall protection available when installing portable handrails?

11.3.15   Is impervious pavement in the depot present?

11.3.16   Regular inspection of the flooring condition?

11.3.17   Are facilities available to collect small spillages which cannot be stopped or contained by absorbent material?

SQAS TC - Questionnaire & Guidelines – 2019

New questions

12.2   Tank Cleaning and Decontamination

12.2.18 Partly new question: dust must be taken into account
            for the ATEX class when applicable!

12.2.23   Is all possibly contaminated water collected and drained to
            the public sewer system via the local treatment unit ?

12.6   Contractors working on site   (Core 3.2.1)

12.6.1   Are contractors, working on site, provided with relevant
            health, safety, security, environmental and CSR information
            to ensure that on site services are performed safely?

Scores by section of SQAS 2019 (43 assessments)

Questionnaire/Section	Percentage Y	
1 - Management System and Responsibility	68%	
2 - Risk management	57%	
3 - Human Resources	63%	
4 - On/Off Site Emergency Preparedness and Response	67%	
5 - Performance Analysis and Management Review	58%	
6 - Equipment and installations	75%	
7 - BBS Results, Analysis and Monitoring	56%	
8 - Security	61%	
9 - Site Operating Procedures and Customer Interface	72%	
10 - Order Process and Operations	89%	
11 - Other Services /Activities	55%	
12 - Site Inspection	83%	
13 - Handling practices of Food contact materials and Feed Products	90%	
Total	**72%**	

Note: Average score of TC assessments in 2018 was 80%

Thank you for your attention!
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