

Table 1. Succinct summary of representative risk management measures (RMMs) and operational conditions (OCs): Exposure Scenarios: F1 – OPnEO / F1 – F3 NPnEO - Use in the formulation of reagents and calibration solutions for IVD assays and formulation of test strips

ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (tonnes/a) (worst-case at the sunset date)	Technical RMMs, including: *Containment, *Ventilation (general, LEV...) *customized technical installation, etc	Organisational RMMs, including: *Duration and Frequency of exposure *OSH management system *Supervision *Monitoring arrangements *Training, etc	PPE (characteristics)	Other conditions	Effectiveness of wastewater and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
ECS 1: F1 – OPnEO	ERC2	Total EEA tonnage (kg/a): 1121.5	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	Wastewater treatment at municipal STP. effectiveness: 63.5% of OP _{equiv.} Collection and incineration of surplus and used buffers No release to air expected due to low volatility. Solid waste is collected and incinerated.	Water: 0.019% Air: 0% Soil: 0% Waste: 0.088%	9.4.1
ECS 1: F1 – NPnEO	ERC2	Total EEA tonnage (kg/a): 92.4	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	Wastewater treatment at on-site STP. effectiveness: 61.9% of NP _{equiv.} Collection and incineration of	Water: 1.032% Air: 0% Soil: 0% Waste: 1.021%	9.5.1

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ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (tonnes/a) (worst-case at the sunset date)	Technical RMMs, including: *Containment, *Ventilation (general, LEV...) *customized technical installation, etc	Organisational RMMs, including: *Duration and Frequency of exposure *OSH management system *Supervision *Monitoring arrangements *Training, etc	PPE (characteristics)	Other conditions	Effectiveness of wastewater and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
							surplus and used buffers No release to air expected due to low volatility. Solid waste is collected and incinerated.		
ECS 2: F2 – NPnEO	ERC2	Total EEAtonnage (kg/a): 97.0	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	Wastewater treatment at municipal STP. effectiveness: 76.5% of NP _{equiv} . Collection and incineration of surplus and used buffers No release to air expected due to low volatility. Solid waste is collected and incinerated.	Water: 0.434% Air: 0% Soil: 0% Waste: 1.73%	9.5.2

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ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (tonnes/a) (worst-case at the sunset date)	Technical RMMs, including: *Containment, *Ventilation (general, LEV...) *customized technical installation, etc	Organisational RMMs, including: *Duration and Frequency of exposure *OSH management system *Supervision *Monitoring arrangements *Training, etc	PPE (characteristics)	Other conditions	Effectiveness of wastewater and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
ECS 3: F3 – NPnEO	ERC2	Total EEA tonnage (kg/a): 8	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	n.a. (environmentally hazardous substance)	Wastewater treatment at municipal STP. effectiveness: 76.5% of NP _{equiv.} . Collection and incineration of surplus and used buffers No release to air expected due to low volatility. Solid waste is collected and incinerated.	Water: 0.5% Air: 0% Soil: 0% Waste: 37.6%	9.5.3

Abbreviations: ECS=Environmental Contributing Scenario,* ERC=Environmental Release Category (or spERC (specific Environmental Release Category) if available), PROC= Process category, LEV=Local Exhaust Ventilation, PPE=Personal Protective Equipment, WCS= Worker Contributing Scenario, PW=Professional Worker, EEA= European Economic Area, OSH=Occupational Safety and Health, PPE=Personal Protective Equipment, STP= Sewage treatment plant, OP_{equiv}=4-(1,1,3,3-tetramethylbutyl)phenol Equivalent, NP_{equiv.}= 4-nonylphenol Equivalent, OPnEO=4-(1,1,3,3-tetramethylbutyl) phenol, NPnEO=4-nonylphenol