

LEĠISLAZZJONI SUSSIDJARJA 549.78

**REGOLAMENTI DWAR IMPJANTI KBAR
TAL-KOMBUSTJONI FIR-RIGWARD TA'
EMISSJONIJIET INDUSTRIJALI**

7 ta' Jannar, 2013

L-AVVIZ LEGALI 11 tal-2013, kif emendat bl-Avviz Legali 47 tal-2017.

1. (1) It-titolu ta' dawn ir-regolamenti hu r-Regolamenti dwar Impjanti Kbar tal-Kombustjoni fir-rigward ta' Emissjonijiet Industrijali. Titolu.

(2) Dawn ir-regolament jimplimentaw parti mid-Direttiva 2010/75/EU tal-Parlament Ewropew u tal-Kunsill tal-24 ta' Novembru 2010 dwar l-emissjonijiet industrijali (il-prevenzjoni u il-kontroll integrati tat-tniġġis) (tfassil mill-gdid).

(3) Dawn ir-regolamenti jipprovdu qafas għall-implimentazzjoni tar-Regolamenti dwar Qafas għall-Emissjonijiet Industrijali. L.S. 549.76

(4) Dawn ir-regolamenti japplikaw għall-impjanti tal-kombustjoni li jintużaw għall-ġenerazzjoni tal-enerġija bl-eċċezzjoni ta' dawk l-impjanti li jużaw il-prodotti tal-kombustjoni direttament fil-proċess tal-manifattura, jekk il-qawwa termika tagħhom hija ta' 50 MW_{Th} jew aktar, irrispettivament mit-tip ta' karburant li jintuża (solidu, likwidu jew gassuż). Dawn ir-regolamenti ma japplikawx għall-impjanti li ġejjin:

- (a) impjanti li fihom il-prodotti tal-kombustjoni jiġu użati għat-tishin jew għat-tnixxif jew għall-kull trattament ieħor tal-oġġetti bħall-fran għar-riskaldament u fran għat-trattament termiku;
- (b) impjanti tal-post tal-kombustjoni jiġifieri kull tagħmir tekniku li jintuża għad-depurazzjoni tal-gassijiet residwi ġġenerati mill-kombustjoni u li ma jintużax bħala impjant tal-kombustjoni indipendenti;
- (c) tagħmir għar-riġenerazzjoni tal-katalizzaturi tal-*cracking* katalitiku;
- (d) tagħmir għall-konverżjoni tas-solfuru tad-di-idroġenu (H₂S) f'kubrit;
- (e) reatturi użati fl-industrija kimika;
- (f) batteriji tal-ifran tal-*coke*;
- (g) *cowpers*;
- (h) kull tagħmir tekniku li jintuża għall-propulsjoni tal-vetturi, tal-vapuri jew tal-ajruplani;
- (i) turbini tal-gass u makni tal-gass użati fuq pjattaformi *off-shore*;

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- (j) impjanti li jużaw kull tip ta' skart solidu jew likwidu bħala karburant bl-eċċezzjoni tal-iskart msemmi fil-paragrafu (b) tat-tifsira "bijomassa" fir-regolament 5 tar-Regolamenti dwar Qafas għall-Emissjonijiet Industrijali.

Tifsiriet.
Emendat:
A.L. 47 tal-2017.

2. F'dawn ir-regolamenti, kemm-il darba r-rabta tal-kliem ma tkunx tehtieg xort'ohra:

"gassijiet residwi" tfisser il-gass(ijiet) vettur(i) flimkien mal-emissjonijiet solidi, likwidi jew gassużi li jintremew miegħu, il-fluss volumetrik tiegħu jitkejjel f'metri kubi fis-siegħa f'kundizzjonijiet standardizzati jiġifieri f'temperatura ta' 273K u taht pressa ta' 101.3 KPa, wara li ssir korrezzjoni għall-kontenut ta' fwar tal-ilma, u minn issa il-quddiem msejjaħ metru kubu normalizzat fis-siegħa $\text{Nm}^3 \cdot \text{hr}^{-1}$;

"impjant tal-kombustjoni" tfisser impjant magħmul minn unità waħda jew aktar tal-kombustjoni. Meta impjant tal-kombustjoni ikun magħmul minn aktar minn unità waħda tal-kombustjoni li *de facto* jarmu il-gassijiet residwi tagħhom mill-istess ċumnija, dan għandu jitqies bħala impjant tal-kombustjoni wiehed.

Impjanti tal-kombustjoni li jkun nħarġilhom permess għall-ewwel darba f' 01 ta' Lulju 1987 jew wara, jew inkella li għalih l-operaturi ikunu isottomettew applikazzjoni kompleta mid-data mnizzla hawn fuq 'il quddiem għandhom jitqiesu bħala li jintremew mill-istess ċumnija, jekk ikunu installati b'tali mod li, wara li jittiehdu f'kunsiderazzjoni fatturi tekniċi u ekonomiċi, il-gassijiet residwi tagħhom jistgħu, skont ma jkun jidher lill-awtorità kompetenti, jintremew minn ċumnija komuni.

Fiz-żewġ każijiet sabiex tiġi kkalkulata l-qawwa termika totali tal-impjant għandhom jingħaddu il-qawwiet termiċi individwali tal-unitajiet tal-kombustjoni li jagħmlu parti mill-impjant (bl-eċċezzjoni ta' daww l-unitajiet li għandhom qawwa termika ta' anqas minn 15 MW_{Th});

"karburant determinanti" jfisser il-karburant li, fost il-karburanti kollha użati f'impjant tal-kombustjoni multikombustibbli li juża għall-konsum tiegħu stess ir-residwi tal-proċessi ta' distillazzjoni u ta' konverżjoni mir-raffinazzjoni taż-żejt waħidhom jew flimkien ma' karburanti ohra, għandu il-valur limitu għall-emissjonijiet l-aktar oġhli skond l-Iskedi I, III u V, jew, fil-każ ta' karburanti li jkollhom l-istess valur limitu, dak li fosthom jiġġenera l-oġhla ammont ta' shana;

"kapacità massima" tfisser l-output massimu f' MW_E li impjant għall-ġenerazzjoni tal-elettriku kapaci jiġġenera b'mod kontinwu u taht kundizzjonijiet ta' operat normali fuq perijodu ta' mhux anqas minn sena;

"qawwa termika nominali" tfisser ir-rata massima li biha jinħaraq il-karburant f'impjant tal-kombustjoni sabiex l-impjant jithaddem kontinwament sal-kapacità massima tiegħu, multiplikata bill-valur termali nett tal-karburant u mkejja f'megawatt termali (MW_{Th});

"unità tal-kombustjoni" tfisser kull tagħmir tekniku li fih jiġu

ossidati l-karburanti sabiex tintuża is-saħna li tiġi prodotta;

"valur limitu għall-emissjonijiet" għandu jkollha l-istess tifsira li għandha fir-Regolamenti dwar Qafas għall-Emissjonijiet Industrijali. Il-konċentrazzjoni tal-massa mkejja fil-gassijiet mormija minn dawn l-impjanti għandha tiġi standardizzata skont l-ekwazzjoni li ġejja: L.S. 549.76

$$[P]_s = \frac{T}{273.15} \times \frac{101.3}{P} \times \frac{100}{100 - W} \times \frac{20.94 - O_s}{20.94 - O_M} \times [P]_M$$

Fejn:

$[P]_s$ hija il-konċentrazzjoni tal-massa tas-sustanza inkwinanti taht kundizzjonijiet standardizzati.

$[P]_M$ hija il-konċentrazzjoni tal-massa tas-sustanza inkwinanti meta mkejja f'temperatura ta' T f'Kelvin, taht pressa P f'kPa, b'kontenut perċentwali ta' ilma ta' W u b'kontenut perċentwali ta' ossiġnu O_M .

T hija it-temperatura tal-gassijiet residwi f'K.

P hija il-pressa tal-gassijiet residwi f'kPa.

W hija il-kontenut perċentwali ta' ilma fil-gassijiet residwi.

O_s hija il-kontenut perċentwali ta' ossiġnu fil-gassijiet residwi li għandu jkun ta' 3% għall-karburanti likwidi, 6% għall-karburanti solidi u 15% għat-turbini tal-gass.

O_M hija il-kontenut perċentwali tal-ossiġnu fil-gassijiet residwi.

3. (1) Il-gassijiet residwi mill-impjanti tal-kombustjoni għandhom jintremew fl-atmosfera b'mod ikkontrollat u permezz ta' ċumnija li għandha tkun għolja biżżejjed sabiex jitharsu s-saħha tal-bniedem u l-ambjent. Għoli taċ-ċmieni.

(2) L-għoli taċ-ċmieni għandu jiġi kalkulat permezz ta' *software* li jimudella d-dispersjoni tas-sustanzi inkwinanti u skont proċeduri li jkunu approvati mill-awtorità kompetenti.

(3) L-ogħli minimu għaċ-ċmieni tal-impjanti tal-kombustjoni li jingħataw permess wara s-7 ta' Jannar 2013 għandu jiġi stabbilit waqt il-proċess ta' awtorizzar inizjali u għandu jkun tali li l-kontribut minn dawn l-impjanti għal-livelli ta' sustanzi inkwinanti fl-arja ma jkunx oghla minn 3% tal-valuri limitu fl-Anness 7 tar-Regolamenti dwar il-Kwalità tal-Arja, għas-sustanzi inkwinanti mnizzla hemmhekk. L.S. 549.59

4. (1) Il-permessi għall-impjanti tal-kombustjoni li ngħataw il-permess qabel is-7 ta' Jannar 2013, jew li għalihom l-operaturi tagħhom ikunu ssottomettew applikazzjoni finalizzata, għall-permess qabel din id-data, jekk kemm-il darba dawn l-impjanti jkunu bdew joperaw sas-7 ta' Jannar 2014, għandhom jinkludu kundizzjonijiet li għandhom x'jaqsmu mal-konformità ma' valuri limitu għall-emissjonijiet li ma jistgħux ikunu oghla minn dawk: Valuri limitu għall-emissjonijiet għall-impjanti li ngħataw permess qabel is-7 ta' Jannar 2013.

(a) fl-Iskeda I għall-impjanti li jaħarqu karburanti solidi;

	u
	(b) fl-Iskeda III għall-impjanti li jaħarqu karburanti likwidi; u
	(c) fl-Iskeda V għall-impjanti li jaħarqu karburanti gassużi.
L.S. 549.56.	(2) Is-subregolament (1) għandu japplika mill-1 ta' Jannar 2016 għall-impjanti tal-kombustjoni li ngħataw permess jew li kienu qed joperaw wara is-6 ta' Jannar 2011 imma qabel is-7 ta' Jannar 2013; il-permessi għall-dawn l-impjanti għandhom jinkludu valuri limitu, li m'għandhomx ikunu oghla minn daww mnizzla fl-Iskedi I sa VII tar-Regolamenti dwar l-Impjanti Kbar tal-Kombustjoni, kif applikabbli.
L.S. 549.56.	(3) Is-subregolament (1) għandu japplika mill-1 ta' Jannar 2020 għall-impjanti tal-kombustjoni li ngħataw permess jew li kienu qed joperaw sas-6 ta' Jannar 2011; il-permessi għall-dawn l-impjanti tal-kombustjoni li jinħargu qabel l-1 ta' Jannar 2020 għandhom jinkludu valuri limitu li m' għandhomx ikunu oghla minn daww fl-Iskedi I sa VII tar-Regolamenti dwar l-Impjanti Kbar tal-Kombustjoni, kif applikabbli.
Valuri limitu għall-emissjonijiet minn impjanti oħra.	5. Il-permessi għall-impjanti tal-kombustjoni li ma jaqgħux taħt ir-regolament 4(1) għandhom jinkludu kundizzjonijiet dwar valuri limitu għall-emissjonijiet li m'għandhomx ikunu oghla minn daww:
	(a) fl-Iskeda II għall-impjanti li jaħarqu karburanti solidi; u
	(b) fl-Iskeda IV għall-impjanti li jaħarqu karburanti likwidi; u
	(c) fl-Iskeda VI għall-impjanti li jaħarqu karburanti gassużi.
Applikabilità ta' valuri limitu.	6. (1) Il-valuri limitu fir-regolamenti 4 u 5 ma japplikawx għal:
	(a) magni <i>diesel</i> irrispettivament mill-karburant li jużaw; u
	(b) <i>boilers</i> tal-irkupru għewwa impjanti għall-produzzjoni tal-polpa tal-karta;
Valuri limitu għall-metalli tqal u għad-dijossini u il-furani.	7. Il-permessi għall-impjanti tal-kombustjoni li jaħarqu karburanti solidi u likwidi għandhom jinkludu kundizzjonijiet irrelatati mal-konformità ma' valuri limitu għall-emissjonijiet:
	(a) għall-metalli tqal fl-Iskeda VII; u
	(b) għad-dijossini u għall-furani fl-Iskeda VIII.
Kundizzjonijiet għall-permessi tat-turbini tal-gass.	8. (1) Il-permessi għat-turbini tal-gass li ngħataw permess qabel is-7 ta' Jannar 2013, jew li għalihom l-opertauri ikunu ssottomettew applikazzjoni għall-permess qabel din id-data, jekk kemm-il darba jibdew joperaw qabel is-7 ta' Jannar 2014, għandhom jinkludu kundizzjonijiet dwar il-valuri limitu għall-emissjonijiet li m'għandhomx ikunu oghla minn daww fl-Iskeda IX.

(2) Il-permessi għat-turbini tal-gass li ma jaqgħux taħt is-subregolament (1) għandhom jinkludu kundizzjonijiet dwar il-valuri limitu għall-emissjonijiet li m'għandhomx ikunu oghla minn dawk fl-Iskeda X.

9. (1) Fil-każ ta' estensjoni ta' impjant tal-kombustjoni, il-valuri limitu għall-emissjonijiet imniżżla fir-regolament 5 u fir-regolament 8(2) għandhom japplikaw għal dik il-parti tal-estensjoni li tkun giet affettwata mill-bidla u għandhom jitfasslu skont il-qawwa termika totali tal-impjant kollu.

Estensjoni jew modifika ta' impjant ta' kombustjoni.

(2) Fil-każ li l-impjant jsirulu bidliet li jista' jkollhom riperkussjonijiet ambjentali u li jaffettwaw parti mill-impjant li jkollha qawwa termika ta' 50 MW_{Th} jew aktar, għandhom japplikaw il-valuri limitu għall-emissjonijiet imniżżla fir-regolament 5 skont il-qawwa termika totali tal-impjant kollu, għal dik il-parti tal-impjant li tkun giet affettwata mill-bidliet.

(3) Il-valur limitu għall-emissjonijiet tal-monossidu tal-karbonju applikabbli f'dan il-każ ma jistgħax ikun oghla minn 100 mg CO. Nm⁻³.

10. Mingħajr preġudizzju għad-dispożizzjonijiet tar-regolamenti 3, 4, 5 u 6, l-awtorità kompetenti tista' timponi valuri limitu aktar stretti minn dawk f'dawn ir-regolamenti jew timponi valuri limitu għall-emissjonijiet fuq impjanti li huma esklużi minn dan ir-rekwiżit permezz tar-regolament 1(3) jew permezz tar-regolament 9, sabiex tiġi żgurata konformità:

L-awtorità kompetenti tista' timponi valuri limitu aktar stretti.

(a) mar-Regolamenti dwar il-Kwalità tal-Arja u kull regolament sussegwenti li jkollu x'jaqsam mal-livelli fl-atmosfera tas-sustanzi inkwinanti;

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(b) ma' kull regolament ieħor mahruġ taħt l-Att dwar il-Protezzjoni tal-Ambjent u, jew l-Att dwar l-Ippjanar tal-Iżvilupp li jitqies mill-awtorità kompetenti bħala rilevanti.

Kap. 549.
Kap. 552.

11. (1) L-impjanti tal-kombustjoni li jaqgħu taħt dawn ir-regolamenti jistgħu jiġu eżentati mill-konformità mar-rekwiżiti msemmija fir-regolament 4 jekk l-operatur ta' dawn l-impjanti, sal-15 ta' Ottubru 2014, jissottometti mal-awtorità kompetenti, dikjarazzjoni bil-miktub li tgħid li l-impjanti inkwistjoni mhux ser jiġu operati għal aktar minn 17,500 siegħa, li jibdwu mill-1 ta' Jannar 2016 u li jispiċċaw mhux aktar tard mill-31 ta' Diċembru 2023.

Valuri limitu għall-emissjonijiet minn impjant joperaw għal żmien limitat.

(2) L-operatur għandu jgħaddi l-informazzjoni imniżżla fl-Iskeda XV flimkien mas-siegħat operattivi minn Jannar 2016 'il quddiem, lill-awtorità kompetenti. Il-kalkolu tas-siegħat operattivi għandu jsir skont l-ekwazzjoni fl-Iskeda msemmija hawn fuq.

(3) Impjanti tal-kombustjoni magħmula minn aktar minn unità waħda tal-kombustjoni għandhom jitqiesu bħala li qed joperaw anki meta parti minnhom biss tkun qed topera, irrispettivament mill-load factor.

A.L. 172 tal-2010.
A.L. 234 tal-2002.

(4) L-impjanti tal-kombustjoni li joperaw taht id-deroga fis-subregolament (1) għandhom mill-anqas ikunu konformi mal-valuri limitu għad-dijossidu tal-kubrit, l-ossidu tal-ażotu u t-trab imniżżla fil-permess u applikabbli fil-31 ta' Diċembru 2015 u maħruġa skont ir-rekwiżiti tar-Regolamenti tal-2010 dwar l-Impjanti Kbar tal-Kombustjoni u r-Regolamenti tal-2002 dwar il-Prevenzjoni u il-Kontroll Integrati tat-Tniġġis.

(5) Jekk impjant tal-kombustjoni li jaqa' taht l-iskop tas-subregolament (1) ikun responsabbli minn 35% jew aktar tal-offerta għall-enerġija elettrika f'Malta fis-6 ta' Jannar 2011, u li minhabba fil-karatteristiċi tekniċi tiegħu ma jkunx jista' jilhaq il-valuri limitu mniżżla fir-regolament 4, is-sieġhat operattivi għal dan l-impjant għandhom jiżdiedu għal 18,000 u dawn iridu jintużaw mill-1 ta' Jannar 2020 sa mhux aktar tard mill-31 ta' Diċembru 2023. F'dan il-każ l-operatur għandu jissottometti d-dikjarazzjoni bil-miktub lill-awtorità kompetenti sal-1 ta' Ottubru 2019 u għandu jirrapporta is-sieġhat operattivi li jintużaw mill-1 ta' Jannar 2020 'il quddiem.

Hażna ġeoloġika
tad-dijossidu tal-
kubrit.

12. (1) L-operaturi ta' impjanti tal-kombustjoni li jipproduċu 300 MW ta' enerġija elettrika jew aktar u li nhargilhom permess wara it-13 ta' Mejju 2009, għandhom jinvestigaw jekk:

- (a) hemmx siti ġeoloġiċi adattati għall-ħażna tad-dijossidu tal-karbonju, li huma disponibbli; u
- (b) il-faċilitajiet għat-trasportar humiex teknikament u ekonomikament fattibbli; u
- (c) huwiex teknikament u ekonomikament fattibbli li jiġu installati *a posteriori* strutturi għall-ġbir tad-dijossidu tal-karbonju.

(2) Jekk jintlaħqu l-kundizzjonijiet tas-subregolament (1), l-awtorità kompetenti għandha tiżgura li l-permess jinkludi klawnsola li tobbliga lill-operatur li jwarrab spazju adegwat għall-ġbir u kumpressar tad-dijossidu tal-karbonju, fuq is-sit.

L-awtorità kompetenti għandha tiddeċiedi fuq jekk intlaħqux dawn il-kundizzjonijiet abbażi tal-investigazzjoni msemmija fis-subregolament (1) u ta' kull informazzjoni oħra disponibbli, partikolarment dik li għandha x'taqsam mal-ħarsien tal-ambjent u tas-saħħa tal-bniedem.

Derogi fil-każ ta'
emergenzi.

13. (1) Il-permessi għall-impjanti tal-kombustjoni li jaqgħu taht dawn ir-regolamenti għandhom jinkludu kundizzjonijiet rigward il-proċeduri li jidhlu fis-seħh fil-każ li t-tagħmir għat-tnaqqis tat-tniġġis ikun qed jaħdem hażin jew fil-każ li jieqaf jaħdem.

(2) Fil-każ li t-tagħmir għat-tnaqqis tat-tniġġis jieqaf jaħdem l-operatur għandu jopera l-impjant fuq karburanti li jniġġsu anqas u jekk dan ma jkunx biżżejjed biex jintlaħqu l-valuri limitu għall-emissjonijiet applikabbli, l-operatur għandu jnaqqas jew iwaqqaf kompletament l-attività tal-impjant jekk kemm-il darba s-sitwazzjoni ma tiġix lura għan-normal fi żmien erbgħa u għoxrin siegħa.

(3) L-awtorità kompetenti għandha tiġi nfurmata fi żmien tmienja u erbghin siegħa minn meta dan it-tagħmir jibda jaħdem hażin jew jieqaf jaħdem.

(4) Taht l-ebda ċirkostanza, ma għandu jopera impjant mingħajr dan it-tagħmir għal aktar minn total kumulattiv ta' mija u ghoxrin siegħa, għal kull perijodu ta' tnax-il xahar. Id-Direttur tal-Ambjent jew kull uffiċjal li jista' jitqabba minnu jista' jippermetti derogi mill-limiti ta' erbgha u ghoxrin siegħa u mija u ghoxrin siegħa msemmija hawn fuq, fil-każ fejn fil-gudizzju tiegħu:

- (a) jkun hemm bżonn assolut li tinżamm l-offerta enerġetika;
- (b) l-impjant bil-ħsara jiġi sostitwit għal żmien limitat b'impjant li jikkawża żieda ġenerali fl-emissjonijiet.

(5) Id-Direttur tal-Ambjent jew kull uffiċjal li jista' jitqabba minnu jista' jagħti eżenzjoni temporanja mill-valuri limitu għall-emissjonijiet ta' dijossidu tal-kubrit, imsemmija fir-regolamenti 4 u 5, ta' mhux aktar minn sitt xhur, lill-impjanti tal-kombustjoni li normalment jużaw karburanti b'kontenut baxx ta' kubrit, fil-każ li l-operatur ma jistax ikun konformi mal-valuri limitu msemmija għaliex ikun hemm interruzzjoni fil-provvista tal-karburant b'kontenut baxx ta' kubrit li tirriżulta minn skarsezza gravi ta' dan it-tip ta' karburant.

(6) Id-Direttur jew kull uffiċjal li jista' jitqabba minnu jista' jagħti deroga ta' mhux aktar minn sitt xhur, mill-obbligu ta' konformità mal-valuri limitu għall-emissjonijiet skont ir-regolamenti 4 u 5, lill-impjant tal-kombustjoni li normalment jaħdem fuq karburant gassuż biss, u li mod ieħor ikollu bżonn jiġi mġhammar b'tagħmir għall-purifikazzjoni tal-gassijiet residwi, fil-każ li jinqala' il-bżonn li jintużaw bħala eċċezzjoni u għall-perijodu ta' mhux aktar minn għaxart ijiem, karburanti oħra minhabba f'interruzzjoni li ma tkunx prevedibbli fil-provvista tal-gass, bl-eċċezzjoni ta' meta jkun hemm bżonn assolut li tinżamm l-offerta enerġetika. L-awtorità kompetenti għandha tiġi infurmata minnufih b'kull każ ta' dan it-tip.

(7) Fil-każijiet msemmija fis-subregolamenti (5) u (6), l-operatur għandu jinforma lid-Direttur, malli jinqala' l-każ inkwistjoni, dwar il-bżonn li jiġu applikati l-eżenzjonijiet imsemmija f'dawn iż-żewġ subregolamenti, flimkien mal-informazzjoni teknika rilevanti u kull informazzjoni oħra meqjusa bħala bżonnjuża mill-awtorità kompetenti. L-awtorità kompetenti tista' fid-diskrezzjoni tagħha tagħti deroga temporanja skont id-dispożizzjonijiet tas-subregolamenti msemmija hawn fuq, li għandha tkun skont in-notifika ta' deroga fl-Iskeda XII. L-awtorità kompetenti għandha tippubblika din in-notifika, flimkien mal-informazzjoni kollha mibgħuta mill-operatur, fil-Gazzetta li jkun imiss.

14. Il-permessi għall-impjanti multikombustibbli li jaħdmu simultanjament fuq żewġ karburanti jew aktar għandhom jinkludu kundizzjonijiet li għandhom x'jaqsmu mal-konformità ma' valuri limitu għall-emissjonijiet li għandhom jiġu stabbiliti kif ġej:

Unitajiet
multikombustibbli.

- (a) billi jiġi stmat il-valur limitu għall-emissjonijiet għal kull kombustibbli u sustanza inkwinanti, għal kull impjant abbażi tal-qawwa termika nominali tiegħu kif stabbilit fl-Iskedi I, II, III, IV, V u VI, kif applikabbli;
- (b) billi jiġu kalkulati l-valuri limitu għall-emissjonijiet abbażi tal-karburant kalkulati billi jiġi multiplikat il-valur limitu msemmi hawn fuq mal-qawwa termika mogħtija minn kull karburant, bil-prodott ta' din il-multiplikazzjoni jiġi diviż bis-somma tal-qawwa termika mogħtija mill-karburanti kollha flimkien; u
- (c) billi jingħaddu l-valuri limitu għall-emissjonijiet abbażi tal-karburant.

Monitoraġġ.
Emendat:
A.L. 47 tal-2017.

15. (1) L-operatur għandu jkejjel il-konċentrazzjoni ta' dijossidu tal-kubrit, ossidi tal-ażotu, trab, monossidu tal-karbonju, metalli tqal (skont l-Iskeda VII), dijossini u furani (skont l-Iskeda VIII) u idrokarburi poliċikliċi aromatiċi - IPA (skont l-Iskeda XI) fil-gassijiet residwi tal-impjanti tal-kombustjoni li jaqgħu taħt l-iskop ta' dawn ir-regolamenti.

(2) Il-konċentrazzjoni tad-dijossidu tal-kubrit, tal-ossidi tal-ażotu, tat-trab u tal-monossidu tal-karbonju għandha titkejjel b'mod kontinwu.

(3) It-twaħħil u l-operat tat-tagħmir għall-kejl awtomatizzat għandu jkun suġġett għall-kontrolli u testijiet ta' sorveljanza annwali, skont l-Iskeda XIII.

(4) L-operatur għandu jiżgura li r-rizultati tal-monitoraġġ jiġu rekordjati, ipproċessati u pprezentati b'tali mod li l-awtorità kompetenti tkun tista' tivverifika il-konformità tal-impjant mal-kundizzjonijiet dwar l-operat u mal-valuri limitu għall-emissjonijiet inklużi fil-permess. Għal dan il-ghan il-permess għandu jinkludi il-formola li għandha tintuża mill-operatur sabiex jirrapporta r-rizultati tal-monitoraġġ lill-awtorità kompetenti.

(5) Flimkien mal-parametri msemmija fis-subregolament (2), l-operatur għandu jkejjel ukoll il-parametri tal-proċess rilevanti li huma: il-kontenut tal-ossiġnu, it-temperatura, il-prensa u l-kontenut ta' fwar tal-ilma. Il-kejl kontinwu tal-kontenut ta' fwar tal-ilma ma jkunx neċessarju fil-każ il-kampjun ta' gassijiet residwi li jkunu ser jiġu analizzati jiġu mnixxa qabel l-analiżi.

(6) L-operatur għandu jkejjel il-konċentrazzjoni tal-metalli tqal, tal-IPA u tad-dijossini u il-furani, fil-gassijiet residwi tal-impjanti tal-kombustjoni li jaqgħu taħt dawn ir-regolamenti b'mod diskontinwu.

(7) Bl-eċċezzjoni tad-dijossini u il-furani, il-kejl diskontinwu tas-sustanzi inkwinanti fil-gassijiet residwi tal-impjanti tal-kombustjoni għandu jsir mill-anqas darba kull sitt xhur. Il-kampjonament għandu jdum mill-anqas sitt sigħat.

(8) Id-dijossini u il-furani għandhom jitkejjlu mill-anqas darba fis-sena. Il-kampjonament għandu jdum mill-anqas sitt sigħat.

(9) L-awtorità kompetenti tista' tneħhi r-rekwiżit għall-kejl tal-

konċentrazzjoni ta' dijossini u furani jekk jirriżulta li l-konċentrazzjoni ta' dawn is-sustanzi inkwinanti fil-gassijiet residwi tal-impjanti tal-kombustjoni huwa konsistentement taħt il-valur limitu mnizzel fil-permess.

(10) M'hemmx għalfejn titkejjel il-konċentrazzjoni ta' djossini u furani, metalli tqal u IPA fil-gassijiet residwi ta' impjanti tal-kombustjoni li jużaw il-gass jew il-*light and middle distillates* bħala karburant.

(11) Il-kampjonament u l-analiżi tas-sustanzi inkwinanti kkonċernati, tal-parametri tal-proċess rilevanti, kif ukoll il-metodi ta' kejl ta' referenza għall-ikkalibrar tat-tgħamir għall-kejl awtomatizzat, għandhom isiru skont il-metodi standardizzati tas-CEN, fejn dawn ikunu għadhom ma ġewx żviluppati, il-metodi standardizzati tal-ISO jew metodi standardizzati minn xi wiehed mill-Istati Membri tal-Unjoni Ewropea, jistgħu jintużaw minflokhom. It-tgħamir għall-kejl awtomatizzat huwa sugġett għall-kontroll permezz ta' kejl parallel ma' metodi ta' riferenza, mill-anqas darba fis-sena.

(12) Kull kejl diskontinwu li jagħmel l-operatur għandu jsir skond il-metodi standardizzati tas-CEN, fejn dawn ikunu għadhom ma ġewx żviluppati, il-metodi standardizzati tal-ISO jew metodi standardizzati minn xi wiehed mill-Istati Membri tal-Unjoni Ewropea, jistgħu jintużaw minflokhom.

(13) It-tagħmir għall-kejl awtomatizzat huwa sugġett għar-rekwiżiti tal-Iskeda XIII.

(14) L-operatur għandu jinforma lill-awtorità kompetenti dwar kull tibdil sinifikattiv fit-tip ta' karburant li jintużaw jew fil-mod li fih jithaddem l-impjant. L-awtorità kompetenti għandha tiddeċiedi jekk ir-rekwiżiti għall-monitoraġġ mnizzla fis-subregolamenti (1) sa (13) ikunux għadhom applikabbli jew ikollhom bżonn li jiġu adattati.

16. L-operatur għandu jinforma lill-awtorità kompetenti bir-riżultati tal-kejl kontinwu, tal-iċċekjar tat-tagħmir għall-kejl, tal-kejl individwali u ta' kull kejl ieħor fi żmien stipulat mill-permess.

Infurmar bir-riżultati.

17. (1) Impjant għandu jitqies bħala konformi mal-valuri limitu mnizzla fl-Iskedi I, II, III, IV, V, VI, VII, VIII, IX u X jekk wara li ssir evalwazzjoni tar-riżultati tal-monitoraġġ jiġi ppruvat li, matul is-sieġhat operattivi f'sena, dawn il-kundizzjonijiet kollha jintlaħqu:

Konformità mal-valuri limitu għall-emissjonijiet.
Emendat:
A.L. 47 tal-2017.

- (a) l-ebda medja fuq xahar vvalidata tal-valuri limitu ma tkun oghla mill-valuri limitu mnizzla fl-Iskedi I, II, III, IV, V, VI, VII, VIII, IX u X; u
- (b) l-ebda medja fuq ġurnata vvalidata tal-valuri limitu ma tkun oghla minn 110% tal valuri limitu rispettivi kif mnizzla fl-Iskedi I, II, III, IV, V, VI, VII, VIII, IX u X; u
- (c) il-valuri medji vvalidati għandhom jiġu ddeterminati kif imnizzel fil-paragrafi 4 u 5 tal-Iskeda XIII; u
- (d) 95% tal-valuri medji fuq siegħa matul is-sena, ma

għandhomx jkunu oġġla minn 200% tal-valuri limitu rispettivi mniżżla fl-Iskedi I, II, III, IV, V, VI, VII, VIII, VIII, IX u X.

Għall-iskop tal-kalkolu tal-medja tal-valuri limitu, m'għandhomx jiġu kkunsidrati l-valuri mkejġla waqt il-perijodi msemmija fir-regolament 13 kif ukoll waqt *start up* jew *shut down*.

(2) Mingħajr ħsara għals-subregolament (1), għall-impjanti komposti biss minn *boilers* li jaħarqu il-faħam u li għandhom qawwa termika nominali taħt il-50 MW, l-ebda medja fuq gurnata vvalidata ma għandha taqbeż 150% tal-valuri limitu fl-Iskedi I u II.

Obbligi ta' rapurtar.

18. (1) Kull sena, l-operatur għandu jibgħat lill-awtorità kompetenti inventarju tal-*input* enerġetiku, emissjonijiet ta' diġossidu tal-kubrit, ossidi tal-ażotu u trab (bħala total ta' partiċelli sospiżi) minn kull impjant tal-kombustjoni skont it-tifsira fir-regolament 2. L-ammont ta' sustanzi inkwinanti mitfugħa fl-atmosfera minn kull impjant (f'Mg) għandu jiġi kalkulat billi jingħaddu l-ammonti ta' kull sustanza inkwinanti mitfugħa fl-atmosfera mill-impjant tal-kombustjoni inkwistjoni kull jum, u għandhom ikunu bażati fuq il-fluss volumetrik tal-gassijiet residwi.

(2) L-inventarju tal-emissjonijiet għandu jinkludi l-informazzjoni kollha mniżżla fl-Iskeda XIV.

(3) Għall-impjanti tal-kombustjoni li joperaw taħt id-deroga fir-regolament 4(2), kull sena l-operatur għandu jirrapporta l-ħin operattiv għal kull impjant tal-kombustjoni li jkun kopert bid-deroga msemmija hawn fuq. Ir-rapport għandu jinkludi l-informazzjoni mniżżla fl-Iskeda XV.

Reati taħt dawn ir-regolamenti.

19. Persuna tinsab haġja ta' reat taħt dawn ir-regolamenti jekk:

- (a) tonqos milli thares xi ordni leġittimament mogħtija skont xi disposizzjoni ta' dawn ir-regolamenti; jew
- (b) tikser xi restrizzjoni, projbizzjoni jew hteġa imposta minn jew taħt dawn ir-regolamenti; jew
- (c) taġixxi b'kontravvenzjoni ta' xi waħda mid-dispożizzjonijiet ta' dawn ir-regolamenti; jew
- (d) tikkonfoffa jew tagħmel attentat, tgħin jew thaġjar, lil xi persuna oħra b'liema mezz ikun, inkluż ir-reklamar, l-għoti ta' pariri jew ħlas ta' flus biex tikser id-dispożizzjonijiet ta' dawn ir-regolamenti jew biex tonqos milli thares xi disposizzjoni bħal dawk, inkluż kull ordni mogħtija leġittimament skont xi disposizzjoni ta' dawn ir-regolamenti, jew biex tikser xi restrizzjoni, projbizzjoni jew hteġa imposta minn jew taħt dawn ir-regolamenti.

Pieni.

20. Min jagħmel reat kontra dawn ir-regolamenti jehel, meta jinsab haġi:

- (a) meta jinsab haġi għall-ewwel darba, multa ta' mhux anqas minn tlieta u għoxrin elf euro (€23,000) iżda

mhux aktar minn mitejn u tlieta u tletin elf euro (€233,00) jew għal priġunerija għal żmien mhux iżjed minn sentejn, jew għal dik il-multa u priġunerija flimkien;

- (b) meta jinsab hati għat-tieni darba jew aktar drabi, multa ta' mhux anqas minn sitta u erghin elf euro (€46,000) iżda mhux aktar minn erba' mija u sitta u sittin elf euro (€466,00) jew għal priġunerija għal żmien mhux iżjed minn sentejn, jew għal dik il-multa u priġunerija flimkien:

Iżda kull meta persuna tinsab hatja li tkun wettqet reat taht dawn ir-regolamenti permezz ta' xi vettura, sid dik il-vettura għandu meta dan ikun japplika, jinżamm responsabbli bl-istess mod u grad:

Iżda wkoll il-qorti għandha tordna lil kull min ikun insab hati li wettaq reat kontra dawn ir-regolamenti li jhallas dawk l-ispejjeż li jkunu saru mill-entitajiet pubbliċi u, jew minn persuni oħra li jkunu involuti flokhom fl-implimentazzjoni ta' dawn ir-regolamenti u fir-riparazzjoni tal-ambjent bħala riżultat ta' dak ir-reat, ir-revoka ta' kull permess maħruġ mill-awtorità kompetenti u l-konfiska tal-*corpus delicti*, kif ukoll tal-vettura, jekk applikabbli.

21. (1) Id-dispożizzjonijiet tal-artikoli 23 u 30(1) tal-Kodiċi Kriminali għandhom japplikaw, *mutatis mutandis*, għal proċeduri dwar reati kontra dawn ir-regolamenti, b'dan illi l-iskwalifika milli persuna jkollha jew tikseb liċenza, permess jew awtorità m'għandha f'ebda każ tkun għal anqas minn sena.

Kif japplika il-Kodiċi Kriminali. Kap. 9.

(2) Minkejja d-disposizzjonijiet tal-artikolu 370 tal-Kodiċi Kriminali, il-proċeduri dwar reat kontra dawn ir-regolamenti għandhom isiru quddiem il-Qorti tal-Maġistrati (Malta) jew il-Qorti tal-Maġistrati (Għawdex), skont ma jista' jkun il-każ, u għandhom ikunu skond id-disposizzjonijiet tal-Kodiċi Kriminali li jirregolaw il-proċedura quddiem dawk il-qorti bħala qorti ta' gudiatura kriminali.

Kap. 9.

(3) Minkejja d-disposizzjonijiet tal-Kodiċi Kriminali, l-Avukat Ġenerali għandu dejjem ikollu dritt ta' appell quddiem il-Qorti tal-Appell Kriminali minn kull sentenza mogħtija mill-Qorti tal-Maġistrati (Malta) jew mill-Qorti tal-Maġistrati (Għawdex) dwar proċeduri għal xi reat kontra dawn ir-regolamenti.

Kap. 9.

22. L-Iskedi I sa XV li jinsabu ma' dawn ir-regolamenti qegħdin jiġu ppublikati bil-lingwa Ingliża mat-test bl-Ingliż ta' dawn ir-regolamenti.

Lingwa tal-Iskedi.

23. (1) Ir-Regolamenti tal-2010 dwar l-Impjanti Kbar tal-Kombustjoni, hawn iżjed 'il quddiem imsejha "ir-regolamenti revokati", qegħdin b'dawn jiġu mhassra b'effett mill-1 ta' Jannar, 2016; iżda r-regolamenti 1(3)(j), 3 u 4 kif ukoll l-Iskedi I sa VII tar-regolamenti revokati għandhom jibqgħu applikabbli għal dawk l-impjanti tal-kombustjoni li jaqgħu taht l-iskop tar-regolament 5(1) ta' dawn ir-regolamenti, sal-1 ta' Jannar 2020.

Revoka tar-Regolamenti tal-2010 dwar l-Impjanti Kbar tal-Kombustjoni. A.L. 172 tal-2010.

(2) Referenzi għar-regolamenti revokati għandhom jinftiehm

bħala referenzi għal dawn ir-regolamenti.

SKEDA I
EMISSION LIMIT VALUES FOR SOLID FUELS

Emendata:
A.L. 47 tal-2017.

Emission limit values expressed in mg.Nm^{-3} and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 6% to be applied by combustion plants pursuant to regulation 5.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

Where emission limit values in this schedule may be applied for a part of a combustion plant with a limited number of operating hours, those limit values shall apply to the emissions of that part of the plant, but shall be set in relation to the total rated thermal input of the entire combustion plant.

A. Emission Limit values for SO_2

Rated Thermal Input (P_{Th})	Emission Limit Values in $\text{mg SO}_2.\text{Nm}^{-3}$		
	Coal, Lignite and other solid fuels	Biomass	Peat
$50\text{MW}_{Th} \leq P_{Th} \leq 100 \text{MW}_{Th}$	400 ⁽¹⁾	200 ⁽¹⁾	300 ⁽¹⁾
$100\text{MW}_{Th} < P_{Th} \leq 300\text{MW}_{Th}$	250 ⁽¹⁾	200 ⁽¹⁾	200 ⁽¹⁾
$P_{Th} > 300\text{MW}_{Th}$	200 ⁽¹⁾	200 ⁽¹⁾	200 ⁽¹⁾

Note:

(1) 800 $\text{mg SO}_2.\text{Nm}^{-3}$ in the case of combustion plants which were granted a permit prior to the 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period.

B. Emission limit values for NO_x measured as NO_2 .

Rated Thermal Input (P_{Th})	Emission Limit Values in $\text{mg NO}_2.\text{Nm}^{-3}$		
	Coal, Lignite and other solid fuels	Biomass	Peat
$50\text{MW}_{Th} \leq P_{Th} \leq 100 \text{MW}_{Th}$	300 ⁽¹⁾ ⁽²⁾ ⁽³⁾	300 ⁽²⁾ ⁽³⁾	300 ⁽²⁾ ⁽³⁾
$100\text{MW}_{Th} < P_{Th} \leq 300\text{MW}_{Th}$	200 ⁽²⁾ ⁽³⁾	250 ⁽²⁾ ⁽³⁾	250 ⁽²⁾ ⁽³⁾
$P_{Th} > 300\text{MW}_{Th}$	200 ⁽²⁾ ⁽³⁾	200 ⁽²⁾ ⁽³⁾	200 ⁽²⁾ ⁽³⁾

Note:

(1) 450 $\text{mg NO}_2.\text{Nm}^{-3}$ in the case of pulverised lignite combustion.

(2) 450 $\text{mg NO}_2.\text{Nm}^{-3}$ in the case of combustion plants with a rated total thermal input $\leq 500 \text{MW}_{Th}$ if they were granted a permit prior to 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period.

(3) 450 $\text{mg NO}_2.\text{Nm}^{-3}$ in the case of combustion plants with a rated total thermal input $> 500 \text{MW}_{Th}$ if they were granted a permit before 1 July 1987 and which do not operate more than 1500 operating hours per year as a rolling average over a period of 5 years.

A part of a combustion plant discharging its waste gases through one or more separate flues within a common stack and which does not operate more than 1500 operating hours per calendar year as a rolling average over a period of 5 years, may be subject to the emission limit values set out in: Notes ⁽¹⁾ to paragraph A for SO₂ and to the emission limit values in Notes ⁽²⁾ and ⁽³⁾ to paragraph B for NO₂, in relation to the total rated thermal input of the entire combustion plant. In such cases emissions through each of those flues shall be monitored separately.

C. Emission limit values for dust

Rated Thermal Input (P _{Th})	Emission Limit Values in mg dust.Nm ⁻³		
	Coal, Lignite and other solid fuels	Biomass	Peat
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	30	30	30
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	25	20	20
P _{Th} > 300MW _{Th}	20	20	20

D. Emission limit values for CO.

For all plants 150 mg CO.Nm⁻³.

Emendata:
A.L. 47 tal-2017.

SKEDA II

EMISSION LIMIT VALUES FOR SOLID FUELS

Emission limit values expressed in mg.Nm⁻³ and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 6% to be applied by combustion plants pursuant to regulation 6.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

A. Emission Limit values for SO₂.

Rated Thermal Input (P _{Th})	Emission Limit Values in mg SO ₂ .Nm ⁻³		
	Coal, Lignite and other solid fuels	Biomass	Peat
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	400	200	300
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	200	200	300 ⁽¹⁾
P _{Th} > 300MW _{Th}	150 ⁽²⁾	150	150 ⁽³⁾

Note:

(1) 250 mg SO₂.Nm⁻³ in the case of fluidized bed combustion.

(2) 200 mg SO₂.Nm⁻³ in the case of circulating or pressurized fluidized bed combustion.

(3) 200 mg SO₂.Nm⁻³ in the case of fluidized bed combustion.

B. Emission Limit values for NO_x measured as NO₂.

Rated Thermal Input (P _{Th})	Emission Limit Values in mg NO ₂ .Nm ⁻³		
	Coal, Lignite and other solid fuels	Biomass	Peat
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	300 ⁽¹⁾	250	250
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	200	200	200
P _{Th} > 300MW _{Th}	150 ⁽²⁾	150	150

Note:

- (1) 400 mg NO₂.Nm⁻³ in the case of pulverised lignite combustion.
(2) 200 mg NO₂.Nm⁻³ in the case of pulverised lignite combustion.

C. Emission Limit values for dust.

Rated Thermal Input (P _{Th})	Emission Limit Values in mg dust.Nm ⁻³		
	Coal, Lignite and other solid fuels	Biomass	Peat
50MW _{Th} ≤ P _{Th} ≤ 300 MW _{Th}	20	20	20
P _{Th} > 300MW _{Th}	10		

D. Emission Limit values for CO.

For all plants 150 mg CO.Nm⁻³.

SKEDA III
EMISSION LIMIT VALUES FOR LIQUID FUELS

*Emendata:
A.L. 47 tal-2017.*

Emission limit values expressed in mg.Nm⁻³ and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 3% to be applied by combustion plants pursuant to regulation 5.

A. Emission Limit values for SO₂

Rated Thermal Input (P _{Th})	Emission Limit Value (ELV)
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	350 mg SO ₂ .Nm ⁻³ ⁽¹⁾
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	250 mg SO ₂ .Nm ⁻³ ⁽¹⁾
P _{Th} > 300MW _{Th}	200 mg SO ₂ .Nm ⁻³ ⁽²⁾

Note:

- (1) 850 mg SO₂.Nm⁻³ for combustion plants which were granted a permit prior to the 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period, if their rated thermal input ≤ 300 MW_{Th}.
(2) 400 mg SO₂.Nm⁻³ for combustion plants which were granted a permit prior to the 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period, if their rated thermal input > 300 MW_{Th}.

B. Emission limit values for NO_x measured as NO₂.

Rated Thermal Input (P _{Th})	Emission Limit Value (ELV)
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	450 mg NO ₂ .Nm ⁻³ ⁽¹⁾ ⁽²⁾
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	200 mg NO ₂ .Nm ⁻³ ⁽¹⁾ ⁽²⁾
P _{Th} > 300MW _{Th}	150mg NO ₂ .Nm ⁻³ ⁽¹⁾ ⁽²⁾ ⁽³⁾

Note:

(1) 450 mg NO₂.Nm⁻³ for the firing of distillation and conversion residues from the refining of crude oil for own consumption in combustion plants or combustion plants used in chemical installations using liquid production residues as a non commercial fuel, with a total rated thermal input not exceeding 500 MW_{Th} which were granted a permit before 27 November 2002 or the operators of which had submitted a complete application for permit before that date provided that the plant was put in operation no later than 27 November 2003.

(2) 450 mg NO₂.Nm⁻³ in the case of combustion plants with a rated total thermal input ≤ 500 MW_{Th}, if they were granted a permit prior to 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period.

(3) 400 mg NO₂.Nm⁻³ for combustion plants with a rated thermal input > 500 MW_{Th}, if they were granted a permit prior to the 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003, and which do not operate more than 1500 operating hours per year as a rolling average over a 5 year period.

A part of a combustion plant discharging its waste gases through one or more separate flues within a common stack and which does not operate more than 1500 operating hours per calendar year as a rolling average over a period of 5 years, may be subject to the emission limit values set out in: Notes ⁽¹⁾ and ⁽²⁾ to paragraph A for SO₂ and to the emission limit values in Notes ⁽²⁾ and ⁽³⁾ to paragraph B for NO₂, in relation to the total rated thermal input of the entire combustion plant. In such cases emissions through each of those flues shall be monitored separately.

C. Emission limit values for dust.

Rated Thermal Input (P _{Th})	Emission Limit Values
50MW _{Th} ≤ P _{Th} ≤ 100 MW _{Th}	30 mg dust.Nm ⁻³
100MW _{Th} < P _{Th} ≤ 300MW _{Th}	25 mg dust.Nm ⁻³
P _{Th} > 300MW _{Th}	20 mg dust.Nm ⁻³

Note:

(1) The emission limit value of 50 mg dust.Nm⁻³ for the firing of distillation and conversion residues from the refining of crude oil for own consumption in combustion plants which were granted a permit before 27 November 2002 or the operator of which had submitted a complete application for a permit before that date provide that the plant was put into operation no later than 27 November 2003.

D. Emission limit values for CO.

For all plants 100 mg CO.Nm⁻³

SKEDA IV
EMISSION LIMIT VALUES FOR LIQUID FUELS

*Emendata:
A.L. 47 tal-2017.*

Emission limit values expressed in mg.Nm^{-3} and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 3% to be applied by combustion plants pursuant to regulation 6.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

A. Emission Limit values for SO_2 .

Rated Thermal Input (P_{Th})	Emission Limit Value (ELV)
$50\text{MW}_{\text{Th}} \leq P_{\text{Th}} \leq 100 \text{MW}_{\text{Th}}$	$350 \text{ mg SO}_2.\text{Nm}^{-3}$
$100\text{MW}_{\text{Th}} < P_{\text{Th}} \leq 300\text{MW}_{\text{Th}}$	$200 \text{ mg SO}_2.\text{Nm}^{-3}$
$P_{\text{Th}} > 300\text{MW}_{\text{Th}}$	$150 \text{ mg SO}_2.\text{Nm}^{-3}$

B. Emission Limit values for NO_x measured as NO_2 .

Rated Thermal Input (P_{Th})	Emission Limit Value (ELV)
$50\text{MW}_{\text{Th}} \leq P_{\text{Th}} \leq 100 \text{MW}_{\text{Th}}$	$300 \text{ mg NO}_2.\text{Nm}^{-3}$
$100\text{MW}_{\text{Th}} < P_{\text{Th}} \leq 300\text{MW}_{\text{Th}}$	$150 \text{ mg NO}_2.\text{Nm}^{-3}$
$P_{\text{Th}} > 300\text{MW}_{\text{Th}}$	$100 \text{ mg NO}_2.\text{Nm}^{-3}$

C. Emission Limit values for dust.

Rated Thermal Input (P_{Th})	Emission Limit Value (ELV)
$50\text{MW}_{\text{Th}} \leq P_{\text{Th}} \leq 300 \text{MW}_{\text{Th}}$	$20 \text{ mg dust.Nm}^{-3}$
$P_{\text{Th}} > 300\text{MW}_{\text{Th}}$	$10 \text{ mg dust.Nm}^{-3}$

D. Emission Limit value for CO.

For all plants $100 \text{ mg CO.Nm}^{-3}$.

SKEDA V
EMISSION LIMIT VALUES FOR GASEOUS
FUELS

*Emendata:
A.L. 47 tal-2017.*

Emission limit values expressed in mg.Nm^{-3} and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 3% (for combustion plants other than gas turbines and gas engines) and an oxygen content of 15% for gas engines, to be applied by combustion plants pursuant to regulation 5.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

Where emission limit values in this schedule may be applied for a part of a combustion plant with a limited number of operating hours, those limit values shall apply to the emissions of that part of the plant, but shall be set in relation to the total

rated thermal input of the entire combustion plant.

A. Emission Limit values for SO₂.

Type of Fuel	Emission Limit Value (ELV)
Gaseous fuels in general	35 mg SO ₂ .Nm ⁻³
Liquefied gas	5 mg SO ₂ .Nm ⁻³
Low calorific gases from coke oven	400 mg SO ₂ .Nm ⁻³ ⁽¹⁾
Low calorific gases from blast furnace	200 mg SO ₂ .Nm ⁻³ ⁽¹⁾

Note:

(1) 800 mg SO₂.Nm⁻³ for combustion plants, firing low calorific gases from the gasification of refinery residues, which were granted a permit prior to 27 November 2002 or the operators of which had submitted a complete application for a permit before that date, provided that the plant was put into operation no later than 27 November 2003.

B. Emission Limit values for NO_x.

Type of Fuel	Emission Limit Value (ELV)
Natural gas ⁽¹⁾	100 mg NO ₂ .Nm ⁻³
Blast furnace gas, coke oven gas, low calorific gases from gasification of refinery residues	200 ⁽²⁾ mg NO ₂ .Nm ⁻³
Other gases	200 ⁽²⁾ mg SO ₂ .Nm ⁻³

Note:

(1) Natural gas is naturally occurring methane with not more than 20% (by volume) of inerts and constituents.

(2) 300 mg NO₂.Nm⁻³ for such combustion plants with a total rated thermal input not exceeding 500MW_{Th} which were granted a permit before 27 November 2002 or the operator of which had submitted a complete application for a permit before that date, provided that the plant was put in operation no later than 27 November 2003.

The limit values for gas engines shall be 100 mg NO₂.Nm⁻³.

C. Emission Limit values for dust.

Type of Fuel	Emission Limit Value (ELV)
In general	5 mg dust.Nm ⁻³
For blast furnace gas	10 mg dust.Nm ⁻³
For gases produced by the steel industry which can be used elsewhere	30 mg dust.Nm ⁻³

D. Emission limit values for CO.

	Emission Limit Value (ELV)
Gas fired plants excluding gas turbines and gas engines	100 mg CO.Nm ⁻³

The limit values in section D of this schedule do not apply to combustion plants firing blast furnace gas, coke oven gas or low calorific gases from gasification of refinery residues and to combustion plants firing any other gas.

The emission limit values in this schedule do not apply to gas engines that operate less than 500 operating hours per year. The operator of such plants shall record the used operating hours.

SKEDA VI
EMISSION LIMIT VALUES FOR GASEOUS FUELS

*Emendata:
A.L. 47 tal-2017.*

Emission limit values expressed in mg.Nm^{-3} and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 3% (for combustion plants other than gas turbines and gas engines) and an oxygen content of 15% for gas engines, to be applied by combustion plants pursuant to regulation 6.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

A. Emission Limit values for SO_2 .

Type of Fuel	Emission Limit Value (ELV)
Gaseous fuels in general	35 $\text{mg SO}_2.\text{Nm}^{-3}$
Liquefied gas	5 $\text{mg SO}_2.\text{Nm}^{-3}$
Low calorific gases from coke oven	400 $\text{mg SO}_2.\text{Nm}^{-3}$
Low caloric gases from blast furnaces	200 $\text{mg SO}_2.\text{Nm}^{-3}$

B. Emission Limit values for NO_x .

	Emission Limit Value (ELV)
In general	100 $\text{mg NO}_2.\text{Nm}^{-3}$

The limit values for gas engines shall be 75 $\text{mg NO}_2.\text{Nm}^{-3}$.

C. Emission Limit values for dust.

Type of Fuel	Emission Limit Value (ELV)
In general	5 mg dust.Nm^{-3}
Blast furnace gas	10 mg dust.Nm^{-3}
Gases produced by the steel industry which can be used elsewhere	30 mg dust.Nm^{-3}

D. Emission Limit values for CO.

	Emission Limit Value (ELV)
Gas fired plants excluding gas turbines	100 mg CO.Nm^{-3}
Gas engines	100 mg CO.Nm^{-3}

The emission limit values in this schedule do not apply to gas engines for emergency use that operate less than 500 operating hours per year. The operator of such plants shall record the used operating hours.

Emendata:
A.L. 47 tal-2017.

SKEDA VII

HEAVY METAL EMISSION LIMIT VALUES

Yearly limit values for heavy metals shall be expressed in mg.Nm^{-3} and shall be calculated at a temperature of 273 K, a pressure of 101.3 kPa and an oxygen content of 6% for solid fuels and 3% for liquid fuels and shall be measured as shown below:

Heavy Metals	Emission Limit Value (ELV)
Cadmium and thallium together	
Arsenic, chromium, cobalt, copper, manganese, nickel, lead, antimony, vanadium together	

For a combustion plant firing coal or lignite, the emissions of total mercury shall not exceed 0.03 mg. Nm^{-3} .

SKEDA VIII

DIOXIN AND FURAN EMISSION LIMIT VALUES

The limit values for dioxins and furans of the combustion plants firing solid or liquid fuels shall be set for total dioxin and furan concentration and shall be normalized at a temperature of 273 K, a pressure of 101.3 kPa and an oxygen content of 6% for solid fuels and 3% for liquid fuels. Total dioxin and furan concentration is calculated by determining the concentration of the substances in the table below, multiplying these by the equivalence factors in the same table and then summing up the products of substance concentration and equivalence factor.

Substance	Equivalence Factor
2,3,7,8-Tetrachlordibenzodioxin (TCDD)	1
1,2,3,7,8-Pentachlordibenzodioxin (PeCDD)	0.5
1,2,3,4,7,8-Hexachlordibenzodioxin (HxCDD)	0.1
1,2,3,7,8,9-Hexachlordibenzodioxin (HxCDD)	0.1
1,2,3,6,7,8-Hexachlordibenzodioxin (HxCDD)	0.1
1,2,3,4,6,7,8-Heptachlordibenzodioxin (HpCDD)	0.01
Octachlordibenzodioxin (OCDD)	0.001
2,3,7,8-Tetrachlordibenzofuran (TCDF)	0.1
2,3,4,7,8-Pentachlordibenzofuran (PeCDF)	0.5
1,2,3,7,8-Pentachlordibenzofuran (PeCDF)	0.05
1,2,3,4,7,8-Hexachlordibenzofuran (HxCDF)	0.1
1,2,3,7,8,9-Hexachlordibenzofuran (HxCDF)	0.1
1,2,3,6,7,8-Hexachlordibenzofuran (HxCDF)	0.1
2,3,4,6,7,8-Hexachlordibenzofuran (HxCDF)	0.1
1,2,3,4,6,7,8-Heptachlordibenzofuran (HpCDF)	0.01
1,2,3,4,7,8,9-Heptachlordibenzofuran (HpCDF)	0.01
Octachlordibenzofuran (OCDF)	0.001

SKEDA IX
EMISSION LIMIT VALUES FOR GAS TURBINES

*Emendata:
A.L. 47 tal-2017.*

Emission limit values expressed in mg.Nm^{-3} and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 15%, to be applied by gas turbines pursuant to regulation 8(1). The limit values apply only above 70% load.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

Where emission limit values in this schedule may be applied for a part of a combustion plant with a limited number of operating hours, those limit values shall apply to the emissions of that part of the plant, but shall be set in relation to the total rated thermal input of the entire combustion plant.

A. Emission limit values for NO_x .

Fuels	Emission Limit Value (ELV)
Natural gas (naturally occurring methane with not more than 20% (by volume) of inerts and other constituents)	$50 \text{ mg NO}_2.\text{Nm}^{-3} \text{ }^{(1)}\text{ }^{(2)}\text{ }^{(3)}$
Liquid fuels (emission limit value applies to gas turbines firing light and middle distillates)	$90 \text{ mg NO}_2.\text{Nm}^{-3} \text{ }^{(4)}$
Gaseous fuels other than natural gas	$120 \text{ mg NO}_2.\text{Nm}^{-3} \text{ }^{(4)}$

Note:

(1) $75 \text{ mg NO}_2.\text{Nm}^{-3}$ in the following cases, where the efficiency of the gas turbine is determined at ISO base load conditions:

- gas turbines used in combined heat and power systems having an overall efficiency greater than 75%;
- gas turbines used in combined cycle plants having an annual overall electrical efficiency greater than 55%;
- gas turbines for mechanical drives.

(2) $1.42\eta \text{ mg NO}_2.\text{Nm}^{-3}$ (where η is the gas turbine efficiency expressed as a percentage and at ISO base load conditions) for single gas turbines not falling into any of the above categories mentioned under note (1), but having an efficiency greater than 35% (determined at ISO base load conditions).

(3) $150 \text{ mg NO}_2.\text{Nm}^{-3}$ for gas turbines (including CCGT) which were granted a permit before 27 November 2002 or the operators of which submitted a complete application for a permit before the date, provided that the plant was put into operation no later than 27 November 2003 and which do not operate more than 1500 hours per year as a rolling average over a period of 5 years.

(4) $200 \text{ mg NO}_2.\text{Nm}^{-3}$ for gas turbines (including CCGT) which were granted a permit before 27 November 2002 or the operators of which submitted a complete application for a permit before the date, provided that the plant was put into operation no later than 27 November 2003 and which do not operate more than 1500 hours per year as a rolling average over a period of 5 years.

A part of a combustion plant discharging its waste gases through one or more separate flues within a common stack and which does not operate more than 1500 operating hours per calendar year as a rolling average over a period of 5 years, may be subject to the emission limit values set out in Notes ⁽³⁾ and ⁽⁴⁾ to paragraph B in relation to the total rated thermal input of the entire combustion plant. In such cases emissions through each of those flues shall be monitored separately.

B. Emission limit values for CO.

Fuels	Emission Limit Value (ELV)
Liquid fuels (emission limit value applies to gas turbines firing light and middle distillates)	100 mg CO.Nm ⁻³
Natural gas (naturally occurring methane with not more than 20% (by volume) of inerts and other constituents)	100 mg CO.Nm ⁻³

The limit values in part B of this schedule do not apply to gas turbines firing gaseous fuel unless the fuel is natural gas.

Gas turbines for emergency use that operate less than 500 operating hours per year are not covered by the emission limit values set out in this schedule. The operation of such plants shall record the used operating hours.

Emendata:
A.L. 47 tal-2017.

SKEDA X
EMISSION LIMIT VALUES FOR GAS TURBINES

Emission limit values expressed in mg.Nm⁻³ and shall be calculated at a temperature 273.15 K, a pressure of 101.3 kPa and at an oxygen content of 15%, to be applied by gas turbines pursuant to regulation 8(2). The limit values apply only above 70% load.

The emission limit values set out in this schedule apply to the emissions of each common stack in relation to the total rated thermal input of the entire combustion plant.

A. Emission limit values for NO_x.

Fuels	Emission Limit Value (ELV)
Gaseous Fuels including (CCGT)	50 mg NO ₂ .Nm ⁻³ ⁽¹⁾
Liquid fuels (emission limit value applies to gas turbines firing light and middle distillates)	50 mg NO ₂ .Nm ⁻³

(1) 1.42η mg NO₂. Nm⁻³ (where η is the gas turbine efficiency expressed as a percentage and at ISO base load conditions) for single cycle gas turbines having an efficiency greater than 35% - determined at ISO base load conditions.

B. Emission limit values for CO.

Fuels	Emission Limit Value (ELV)
Gaseous Fuels including (CCGT)	100 mg CO.Nm ⁻³
Liquid fuels (emission limit value applies to gas turbines firing light and middle distillates)	100 mg CO.Nm ⁻³

Gas turbines for emergency use that operate less than 500 operating hours per year are not covered by the emission limit values set out in this schedule. The operation of such plants shall record the used operating hours.

SKEDA XI

LIST OF PAHs TO BE MEASURED AS PER REGULATION 15

Naphthalene
Anthracene
Phenatrene
Flouranthene
Benzo(a)anthracene
Chrysene
Benzo(a)pyrene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Indeno(1,2,3-cd)pyrene
Sum of the 10 PAHs above

SKEDA XII

DEROGATIONS AS PER REGULATION 13

Notification of a temporary derogation from compliance with
Large Combustion Plants Emission Limit Values.

In view of the written request by [person submitting the request] on behalf of [operator], dated [date], I [Name of Director], in my capacity as Director of Environment Protection have examined all the information handed by [operator] together with the above mentioned request and have decided to allow for a derogation from [type of derogation to be applied to plant] for the [name of the plant] operated by [name of operator] having its registered address at [registered address of the operator] and subject to the IPPC Permit [IPPC permit number] issued on the [date of issue of the permit] for a period not exceeding [time].

This derogation is subject to the following conditions:

--

[Signature]

[Name, SURNAME]

Director of Environment Protection

Attached a copy of the request for derogation and technical information related to the case.

*Emendata:
A.L. 47 tal-2017.*

SKEDA XIII

REQUIREMENTS FOR THE AUTOMATED MEASURING SYSTEMS AND FOR THE VALIDATION OF RESULTS

1. All sampling, analysis and measurement of the pollutants and the measurement of the relevant process parameters as well as the quality assurance of automated measurement systems and the reference methods to calibrate those systems shall be carried out according to CEN standards, in their absence ISO standards or standards from any EU Member State can be used if they ensure the provision of data of an equivalent scientific quality.

2. Automated measuring systems shall be subject to control by means of parallel measurements with the reference method at least once a year. The results of the verification of the automated measurement systems together with any relevant certification shall be forwarded to the competent authority.

3. The value of the 95% confidence interval of a single measured result shall not exceed the following percentages of the emission limit values:

Carbon monoxide	10%
Sulphur dioxide	20%
Nitrogen oxides	20%
Total dust	30%

4. The validated hourly and daily mean values shall be determined from the

measured hourly average values after having subtracted a factor determined according to the procedure established by the relevant part of EN14181 and which shall in no case exceed the 95% confidence interval specified in 3 above.

5. Any day in which more than three hourly average values are invalid due to malfunction or maintenance of the automated measuring system shall be invalidated. If more than 10 days a year are invalidated for such situations, the competent authority shall require the operator to take adequate measures to improve the reliability of the automated measuring system.

6. Combustion plants firing natural gas shall be exempt from the monitoring of SO₂.

SKEDA XIV

INFORMATION TO BE REPORTED WITH THE EMISSIONS INVENTORY

Emissions inventories prepared by the operator under Regulation 19, shall include the following information:

- 1 Name of the Installation;
- 2 Name of the combustion plant;
- 3 Date of the start of operation of the combustion plant;
- 4 The type of fuel fired by the combustion plant;
- 5 Fuel Burn for the combustion plant (Mg.yr⁻¹);
- 6 Heat Value of the fuel fired by the combustion plant (GJ.Mg⁻¹);
- 7 Total rated thermal input of the combustion plant (MW_{Th});
- 8 Total annual load of sulphur dioxide for the combustion plant (Mg.yr⁻¹);
- 9 Total annual load of nitrogen oxides for the combustion plant (Mg.yr⁻¹);
- 10 Total annual load of dust for the combustion plant (Mg.yr⁻¹);

Total annual pollutant loads shall be calculated as follows:

$$d = 12$$

$$\sum_{d=1}^{d=12} \left(WGF_m \times [P]_m^{avg} \right)$$

$$d = 1$$

Where:

WGF_m is the monthly waste gas flow rate in Nm³

[P]_m^{avg} is the monthly average concentration of the pollutant in mg.Nm⁻³.

and the

- 11 Total annual operating hours of the combustion plant (hours).

SKEDA XV

INFORMATION TO BE REPORTED WITH THE OPERATING TIME

Reports on combustion plants operating time prepared by the operator under regulation 19, shall include the following information:

- 1 Name of the Installation;
- 2 Name of the combustion plant;
- 3 T_O , the total combustion plant operating time (hr);
- 4 T_R , the remaining combustion plant operating time (hr);

Where:

$$T_R = 20000 - T_O$$
