

Jadual 5.1 : Pematuhan dalam penguatkuasaan pelepasan asap hitam dan bilangan saman yang dikeluarkan mengikut jenis kenderaan, Malaysia, 2021–2023

Table 5.1 : Compliance on enforcement of black smoke emission and number of summons issued by type of vehicle, Malaysia, 2021–2023

Jenis kenderaan <i>Type of vehicles</i>	Peratus pematuhan <i>Percentage of compliance</i>			Bilangan saman <i>Number of summons</i>		
	(%)					
	2021	2022	2023	2021	2022	2023
Jumlah <i>Total</i>	-	-	-	288	631	453
Bas <i>Buses</i>	95.9	98.9	99.2	16	14	12
Kereta¹ <i>Cars</i>	99.9	100.0	99.3	1	-	2
Lori <i>Lorries</i>	98.5	97.7	98.1	235	550	351
Trak ringan <i>Light trucks</i>	99.4	99.2	98.2	19	50	73
Van <i>Vans</i>	98.5	99.3	99.2	17	17	15

Sumber: Jabatan Alam Sekitar
Source: Department of Environment

Nota/ Note:

¹ **Teksi termasuk dalam kategori kereta**

Taxi was included in cars category

Jadual 5.2 : Status pematuhan oleh industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014, Malaysia, 2023

Table 5.2 : Compliance status by industries of Environmental Quality (Clean Air) Regulations 2014, Malaysia, 2023

(%)		
Kod MSIC MSIC code	Jenis industri Type of industries	Peratus pematuhan Percentage of compliance
A	Pertanian, Perhutanan dan Perikanan <i>Agriculture, Forestry and Fishing</i>	
01	Pengeluaran tanaman dan ternakan, pemburuan dan aktiviti perkhidmatan berkaitan <i>Crops and animal production, hunting and related service activities</i>	100
03	Perikanan dan akuakultur <i>Fishing and aquaculture</i>	100
B	Perlombongan dan Pengkuarian <i>Mining and Quarrying</i>	
05	Perlombongan batu arang dan lignit <i>Mining of coal and lignite</i>	100
06	Pengekstrakan petroleum mentah dan gas asli <i>Extraction of crude petroleum and natural gas</i>	100
07	Perlombongan bijih besi <i>Mining of metal ores</i>	100
08	Perlombongan dan pengkuarian lain <i>Other mining and quarrying</i>	99
09	Aktiviti perkhidmatan sokongan perlombongan <i>Mining support service activities</i>	100
C	Pembuatan <i>Manufacturing</i>	
10	Pembuatan produk makanan <i>Manufacture of food products</i>	99
11	Pembuatan minuman <i>Manufacture of beverages</i>	100
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	100
13	Pembuatan tekstil <i>Manufacture of textiles</i>	99
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	100
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	99

Sumber: Jabatan Alam Sekitar
Source: Department of Environment

Nota/ Note:

Mulai 2022, pengkelasan industri disusun berdasarkan kod Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 versi 1.0

Starting 2022, the industry classification is based on the Malaysia Standard Industrial Classification (MSIC) 2008 code version 1.0

**Jadual 5.2 : Status pematuhan oleh industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling
(Udara Bersih) 2014, Malaysia, 2023 (samb.)**

Table 5.2 : Compliance status by industries of Environmental Quality (Clean Air) Regulations 2014,
Malaysia, 2023 (cont'd)

(%)		
Kod MSIC MSIC code	Jenis industri Type of industries	Peratus pematuhan Percentage of compliance
C	Pembuatan <i>Manufacturing</i>	
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	99
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	99
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	99
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	99
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	100
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastic products</i>	99
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	98
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	99
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	99
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronic and optical products</i>	99

Sumber: Jabatan Alam Sekitar

Source: Department of Environment

Nota/ Note:

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Table 5.2 : Compliance status by industries of Environmental Quality (Clean Air) Regulations 2014,
Malaysia, 2023 (cont'd)

(%)		
Kod MSIC MSIC code	Jenis industri Type of industries	Peratus pematuhan Percentage of compliance
C	Pembuatan Manufacturing	
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	99
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	99
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	99
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	100
31	Pembuatan perabot Manufacture of furniture	99
32	Pembuatan lain Other manufacturing	99
33	Pembaikan dan pemasangan mesin dan kelengkapan Repair and installation of machinery and equipment	99
D	Pembinaan Construction	
41	Pembinaan bangunan Construction of buildings	100
42	Kejuruteraan awam Civil engineering	100

Sumber: Jabatan Alam Sekitar
Source: Department of Environment

Nota/ Note:

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Jadual 5.2 : Status pematuhan oleh industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014, Malaysia, 2023 (samb.)

Table 5.2 : Compliance status by industries of Environmental Quality (Clean Air) Regulations 2014, Malaysia, 2023 (cont'd)

(%)		
Kod MSIC MSIC code	Jenis industri Type of industries	Peratus pematuhan Percentage of compliance
E	Perkhidmatan Services	
35	Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	99
36	Penakungan, perawatan dan bekalan air <i>Water collection, treatment and supply</i>	100
38	Aktiviti pengumpulan, rawatan dan pelupusan sisa; pemulihan semula bahan <i>Waste collection, treatment and disposal activities; materials recovery</i>	100
39	Aktiviti pemulihan dan lain-lain perkhidmatan pengurusan sisa <i>Remediation activities and other waste management</i>	100
45	Perdagangan borong dan runcit dan pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade and repair of motor vehicles and motorcycles</i>	99
46	Perdagangan borong kecuali kenderaan bermotor dan motosikal <i>Wholesale trade, except pf motor vehicles and motorcycles</i>	100
47	Perdagangan runcit kecuali kenderaan bermotor dan motosikal <i>Retail trade, except pf motor vehicles and motorcycles</i>	-
49	Pengangkutan darat dan pengangkutan melalui saluran paip <i>Land transport and transport via pipelines</i>	100

Sumber: Jabatan Alam Sekitar

Source: Department of Environment

Nota/ Note:

Mulai 2022, pengkelasan industri disusun berdasarkan kod Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 versi 1.0

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Jadual 5.2 : Status pematuhan oleh industri terhadap Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014, Malaysia, 2023 (samb.)

Table 5.2 : Compliance status by industries of Environmental Quality (Clean Air) Regulations 2014, Malaysia, 2023 (cont'd)

(%)		
Kod MSIC MSIC code	Jenis industri Type of industries	Peratus pematuhan Percentage of compliance
E	Perkhidmatan Services	
52	Penggudangan dan aktiviti sokongan untuk pengangkutan Warehousing and support activities for transportation	100
55	Penginapan Accommodation	99
56	Aktiviti perkhidmatan makanan dan minuman Food and beverage service activities	-
61	Telekomunikasi Telecommunications	100
64	Aktiviti perkhidmatan kewangan, kecuali insurans/ takaful dan tabungan pencen Financial service activities, except insurance/ takaful and pension funding	-
71	Aktiviti arkitek dan kejuruteraan; ujian teknikal dan analisis Architectural and engineering activities; technical testing and analysis	99
72	Penyelidikan dan pembangunan saintifik Scientific research and development	100
79	Agensi pengembaraan, operator pelancongan, khidmat penempahan dan aktiviti berkaitan Travel agency, tour operator, reservation service and related activities	100
82	Aktiviti pengurusan pejabat, sokongan pejabat dan sokongan perniagaan lain Office administrative, office support and other business support activities	-
86	Aktiviti kesihatan kemanusiaan Human health activities	100
94	Aktiviti keahlian organisasi Activities of membership organizations	100
95	Pembaikan komputer dan barangan persendirian dan isi rumah Repair of computers and personal and household goods	-
96	Aktiviti perkhidmatan persendirian lain Other personal service activities	100
L	Aktiviti Hartanah Real Estate Activities	
68	Aktiviti Hartanah Real Estate Activities	100
P	Pendidikan Education	
68	Pendidikan Education	100

Sumber: Jabatan Alam Sekitar
Source: Department of Environment

Nota/ Note:

Mulai 2022, pengkelasan industri disusun berdasarkan kod Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 versi 1.0

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Jadual 5.3 : Pendakwaan kesalahan bagi pencemaran air mengikut Akta, Malaysia, 2021–2023

Table 5.3 : Prosecution of water pollution offences by Act, Malaysia, 2021–2023

Akta <i>Act</i>	2021	2022	2023
Jumlah <i>Total</i>	168	314	251
PPKAS (EP) 2009 <i>EQR (IE) 2009</i>	64	181	131
PPKAS (K) 2009 <i>EQR (S) 2009</i>	5	4	6
Seksyen 25 AKAS 1974 <i>Section 25 EQA 1974</i>	11	2	8
Seksyen 16 AKAS 1974 <i>Section 16 EQA 1974</i>	32	74	43
Seksyen 27 AKAS 1974 <i>Section 27 EQA 1974</i>	-	-	-
Seksyen 34A (7) AKAS 1974 <i>Section 34A (7) EQA 1974</i>	45	51	49
PPKAS (KPSPSPKT) 2009 <i>EQ (PCSWTSL) Regulation 2009</i>	11	2	14

Sumber: Jabatan Alam Sekitar

Source: Department of Environment

Nota/ Notes:

PPKAS - Peraturan-peraturan Kualiti Alam Sekeliling

EQR - Environmental Quality Regulations

AKAS - Akta Kualiti Alam Sekeliling

EQA - Environmental Quality Act

EP - Efluen Perindustrian

IE - Industrial Effluents

K - Kumbahan

S - Sewage

KPSPSPKT - Kawalan Pencemaran Daripada Stesen Pemindahan Sisa Pepejal dan Kambus Tanah

PCSWTSL - Pollution Control from Solid Waste Transfer Station and Landfills