

### 新排水基準に関するセミナーの詳細

#### コンプライアンス・アクション・プラン（CAP）の記載項目と排出基準把握手順について

環境天然資源省環境管理局(EMB)のレサ・アコーダ氏およびラグナ湖開発庁(LLDA)のエミテリオ・ヘルナンデス氏によると：

1. 企業はコンプライアンス・アクション・プラン（CAP）に以下 8 項目を記載する必要がある（フォーマットは不問）。

- 1) 企業概要
- 2) 猶予期間が必要である理由
- 3) 製造工程
- 4) 現時点の自社の排水の状況と特性、および創業当初から現在まで EMB に対して提出したセルフ・モニタリング・レポートの内容に基づいたパラメーターの傾向
- 5) 現在使用している排水処理施設の概要（例：容量、建設年月日、耐用年数など）
- 6) 新排水基準を満たすために必要な現在使用している排水処理施設の近代化に係る計画の内容
- 7) 猶予期間中に新排水基準を満たすために企業が計画する是正措置や改良に関するスケジュール
- 8) コンプライアンス・アクション・プランを実行するために必要となる投資額およびその他関連費用

2. また、各企業が満たすべき排出基準の把握手順は以下の 1)～4) の通り。

- 1) 下記の表 1「業種ごとに遵守する必要がある排出物質」において、自社が該当する業種を見つけた上で、当該業種が遵守する必要があるパラメーター（Significant Parameters）を特定する。
- 2) [環境天然資源省 HP](#) において、自社工場が位置する地域が 9 段階の水面基準のいずれに該当するかを確認する。
- 3) 下記表 3「パラメーターおよび水面基準ごとの遵守すべき基準」において、遵守する必要があるパラメーター（Significant Parameters）ごとの排出基準が 9 段階の水面基準（手順 2）ごとに示されている。
- 4) 9 段階の水面基準（[環境天然資源省 HP](#)）の定義は表 3 のとおり。

例えば、バタンガス湾に排水する繊維メーカーをケーススタディにすると、まず表 1 から繊維メーカー（PSIC コード：13）の遵守する必要があるパラメーター（Significant Parameters）は、Color、Temperature、pH、BOD、COD、Chromium、Phenol & Phenolic Substances、Oil and Grease、Surfactants、Ammonia、Trichloroethylene、Copper の 12 点であることが確認できる。次に、[環境天](#)

[然資源省 HP](#)において、バタンガス湾エリアの水面基準は“SC”であることが確認できる。最後に表 2 において、同社が遵守する必要があるパラメーター (Significant Parameters) 12 個のうち例えば Copper (銅) を例にすると、1 リットルあたり 0.04mg が新排水基準で規定されている基準であることが分かる。なお、表 3 において、バタンガス湾の水面基準 SC の定義が確認できる。

表1. 業種ごとに遵守する必要がある排出物質の内容

<https://pab.emb.gov.ph/wp-content/uploads/2017/07/DAO-2016-08-WQG-and-GES.pdf>

PSICコード	業種	排出物質 (Significant Parameters)
<b>A. Agriculture, Forestry and Fishing</b>		
014	Animal production	BOD, Total Suspended Solids, Total Coliform (for Class B and SB), Ammonia, Phosphate
032	Aquaculture (excluding fish pens)	BOD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate
<b>B. Mining and Quarrying</b>		
05	Mining of coal and lignite	Color, pH, Total Suspended Solids, Nitrate, Sulfate, Manganese, Iron, Arsenic, Cadmium, Mercury, Lead
06	Extraction of crude petroleum and natural gas, and support activities	pH, Total Suspended Solids, Sulfate, Fluoride, Barium, Chromium, Nickel, Copper, Zinc, Mercury, Oil and Grease, Phenol & Phenolic Substances, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
07100	Mining of iron ores	Color, pH, Total Suspended Solids, Nitrate, Manganese, Iron, Arsenic, Cadmium, Lead
0722	Mining of precious metal ores	
	Gold ore mining	pH, Total Suspended Solids, Nitrate, Cyanide, Copper, Zinc, Arsenic, Mercury, Lead
	Silver ore mining	pH, Total Suspended Solids, Nitrate, Cyanide, Copper, Zinc, Arsenic, Mercury, Lead
	Platinum ore mining	pH, Total Suspended Solids, Nitrate, Sulfate, Cyanide, Manganese, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
07291	Copper ore mining	pH, Total Suspended Solids, Nitrate, Sulfate, Cyanide, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
07292	Chromite ore mining	pH, Total Suspended Solids, Nitrate, Chromium, Arsenic, Cadmium, Mercury, Lead
07293	Manganese ore mining	pH, Total Suspended Solids, Nitrate, Manganese, Arsenic, Cadmium, Lead
07294	Nickel ore mining	pH, Total Suspended Solids, Manganese, Arsenic, Cadmium, Lead, Nickel
08913	Pyrite mining	pH, Total Suspended Solids, Sulfate, Manganese, Iron, Copper, Arsenic, Lead
08914	Rock phosphate mining	pH, COD, Total Suspended Solids, Ammonia, Phosphate, Fluoride, Surfactants
<b>C. Manufacturing</b>		
10110	Slaughtering and meat packing	Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Oil and Grease
10120	Production processing and preserving of meat and meat products	Temperature, pH, BOD, Total Suspended Solids, Oil and Grease
1020	Processing and preserving of fish, crustaceans and mollusks (except	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Oil and Grease
10205	Processing of seaweeds; manufacture of agar-agar or carrageenan	Temperature, pH, COD, Total Suspended Solids
1030	Processing and preserving of fruits and vegetables	Temperature, pH, BOD, Total Suspended Solids, Oil and Grease
104	Manufacture of vegetable and animal oils and fats	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Ammonia, Oil and Grease
105	Manufacture of dairy products	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Oil and Grease
106	Manufacture of grain mill products, starches and starch products (except rice, corn, and cassava flour milling)	Temperature, pH, COD, Total Suspended Solids, Nitrate
10610	Rice/corn milling	BOD, Total Suspended Solids
10621	Cassava flour milling	BOD, Total Suspended Solids, Cyanide
107	Manufacture of other food products (except sugar)	Temperature, BOD, Total Suspended Solids, Oil and Grease
1072	Manufacture of sugar	
	Sugar milling	Temperature, pH, BOD, Total Suspended Solids, Nitrate
	Sugar refining	Temperature, pH, COD, Total Suspended Solids, Nitrate
10800	Manufacture of prepared animal feeds	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Ammonia, Oil and Grease
11	Manufacture of beverages	Color, Temperature, pH, COD, Total Suspended Solids
12	Manufacture of tobacco products	Color, Temperature, pH, COD, Total Suspended Solids
13	Manufacture of textiles	Color, Temperature, pH, BOD, COD, Chromium, Phenol & Phenolic Substances, Oil and Grease, Surfactants, Ammonia, Trichloroethylene, Copper
14	Manufacture of wearing apparel	Temperature, pH, Surfactants, Color, COD
15110	Tanning and dressing of leather	Color, pH, COD, Total Suspended Solids, Total Coliform, Ammonia, Chloride, Chromium, Oil and Grease, Phenol & Phenolic Substances
1621	Manufacture of veneer sheets; manufacture of plywood, laminated board, particle board and other panels and board; wooden window and screens	COD, Total Suspended Solids, Nitrate, Sulfate, Boron, Chromium, Copper, Arsenic, Benzo(a)pyrene
17012	Pulp milling including manufacturing of pulp, paper and paperboard	Color, Temperature, pH, COD, Total Suspended Solids, Nitrate, Phenol & Phenolic Substances, Sulfate, Phosphate, Ammonia
17013	Paper and paperboard milling	Color, Temperature, pH, COD, Total Suspended Solids, Nitrate, Phosphate, Ammonia, Barium, Boron, Chloride, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc
18110	Printing	Color, pH, COD, Total Suspended Solids, Cadmium, Chromium, Zinc, Oil and Grease
19100	Manufacture of coke oven products	Temperature, pH, COD, Total Suspended Solids, Ammonia, Sulfate, Cyanide, metals (except Arsenic and Barium), Oil and Grease, Phenol & Phenolic Substances, Polychlorinated Biphenyls, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
19200	Manufacture of other fuel products	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Sulfates, Phosphate, Cyanide, Fluoride, Chloride, Chromium, Iron, Nickel, Copper, Zinc, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances
19900	Manufacture of other fuel products	Temperature, pH, COD, Total Suspended Solids, Oil and Grease
20111, 20114	Manufacture of ethanol	
	Manufacture of ethanol for: • Food and beverage • Fuel application	Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Sulfate, Chloride
	Blending of ethanol for: • Antiseptic • Solvent (denatured)	pH, COD
20112	Manufacture of industrial (compressed/liquefied) gases	Temperature, pH, COD, Nitrate, Sulfate, Chloride, Mercury, and metals depending on the catalysts used
20113, 20116, 20117, 20119	Manufacture of inorganic, organic, and other basic chemicals	Color, Temperature, pH, COD, Total Suspended Solids and other parameters depending on the major chemical/s manufactured
20115	Manufacture of alcohol except ethly alcohol	Temperature, pH, COD, and metals depending on the catalysts used

PSICコード	業種	排出物質 (Significant Parameters)
20120	Manufacture of fertilizers and nitrogen compounds	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Fluoride, and metals depending on the catalysts used
2013	Manufacturing of plastics and synthetic rubber in primary forms	Temperature, pH, COD, Ammonia, Sulfate, Cyanide, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances, and metals depending on the catalysts used
20210	Manufacture of pesticides and other agro-chemical products	pH, COD, Total Suspended Solids, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Trichloroethylene, Malathion, Total Organochlorine Pesticides, and metals depending on the catalysts used
2022, 20293	Manufacture of paints, ink, varnishes, and similar coating materials	Color, Temperature, pH, COD, Total Suspended Solids, Barium, Selenium, Chromium, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Phenol & Phenolic Substances, Trichloroethylene
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Fluoride, Boron, Selenium, Zinc, Oil and Grease, Surfactants
20294	Manufacture of glues and adhesives	
	Synthetic glues and adhesives	pH, COD, Cyanide, Zinc, Mercury, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Phenol & Phenolic Substances
	Animal/plant derived glues and adhesives	pH, COD, Boron, Chloride
20299	Manufacture of miscellaneous chemical products, not elsewhere classified	Color, pH, Temperature, COD, Total Suspended Solids, and other parameters depending on the major chemical/s manufactured
2030	Manufacture of man-made fibers (except glass fibers)	Temperature, COD, Total Suspended Solids
21001	Manufacture of drugs and medicines including biological products such as bacterial and virus vaccines, sera and plasma	pH, COD, Total Suspended Solids
2310	Manufacture of glass and glass products	Color, Temperature, pH, Total Suspended Solids, Fluoride, Boron, Selenium, Arsenic, Lead, Oil and Grease
239	Manufacture of ceramics, clay products, construction aggregates, asphalt, asbestos and other non-metallic minerals (except	Color, Temperature, pH, COD, Chromium, Copper, Zinc, Cadmium, Lead
23940	Manufacture of cement	Temperature, pH, Total Suspended Solids
241, 2431	Manufacture of iron and steel	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Fluoride, Chloride, Cyanide, Barium, Chromium, Manganese, Iron, Nickel, Zinc, Cadmium, Mercury, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes
24210	Manufacture of precious metals	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Sulfate, Cyanide, Chloride, Boron, Chromium, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Phenol & Phenolic Substances
24220	Non-ferrous smelting and refining, except precious metals	Temperature, pH, COD, Total Suspended Solids, Selenium, Manganese, Iron, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
24230	Non-ferrous rolling, drawing, and extrusion mills	Temperature, pH, COD, Total Suspended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic
24240	Manufacture of pipe fittings of non-ferrous metal	Temperature, pH, COD, Total Suspended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic Substances, Oil and Grease
24290	Manufacture of basic precious and non-ferrous metal, not elsewhere classified	Temperature, pH, COD, Total Susepended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic
2431	Casting/foundry of iron and steel	Temperature, pH, COD, Total Suspended Solids, Copper, Zinc, Oil and Grease
2432	Casting of Non-ferrous metal casting such as aluminum, copper and zinc alloys	Temperature, pH, COD, Total Suspended Solids, Sulfate, Fluoride, Iron, Copper, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead
25920	Treatment, coating, and machining of metals	pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Cyanide, Fluoride, Boron, Chromium, Iron, Nickel, Copper, Zinc, Cadmium, Lead, Oil and Grease,
261	Manufacture of electronic components	pH, COD, Total Suspended Solids, Fluoride, Chloride, Boron, Oil and Grease, Trichloroethylene, and Metals depending on the major electronic components
2720	Manufacture of batteries and accumulators	pH, COD, Total Suspended Solids, Fluoride, Selenium, Manganese, Iron, Nickel, Copper, Zinc, Cadmium, Mercury, Lead, Oil and Grease
<b>D. Electricity, Gas, Steam and Air Conditioning Supply</b>		
35100	Electric power generation (except transmission and distribution)	
	Coal	Temperature, pH, COD, Total Suspended Solids, Phosphate, Sulfate, Chloride, Boron, Chromium, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease
	Natural gas	Temperature, pH, COD, Total Suspended Solids, Phosphate, Chloride, Chromium, Zinc
	Oil (Petroleum)	Temperature, pH, COD, Total Suspended Solids, Phosphate, Chloride, Chromium, Copper, Zinc, Arsenic, Cadmium, Lead, Oil and Grease
	Geothermal	Temperature, pH, COD, Total Suspended Solids, Chloride, Boron, Chromium, Zinc, Arsenic, Cadmium, Mercury, Lead
	Hydro	Oil and Grease
	Biomass	Temperature, pH, COD, Total Suspended Solids, and other parameters depending on the nature of the feedstock.
35200	Manufacture of gas; distribution of gaseous fuels through mains	Temperature, pH, COD, Total Suspended Solids, Nitrate, Cyanide, Chloride, Chromium, Nickel, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances
35300	Air conditioning supply and production of ice (except steam production)	Temperature, pH, COD, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Chromium, Zinc
<b>E. Water Supply; Sewerage, Waste Management and Remediation Activities</b>		
36000	Water collection, treatment and supply (except those intended to prevent pollution)	pH, Total Suspended Solids, Chloride, Fluoride, Iron
37000	Sewerage (operation of sewer systems or sewage treatment facilities that collect, treat, and dispose of sewage)	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
38210	Treatment and disposal of non-hazardous waste	Color, Temperature, pH, COD, Total Suspended Solids, Total Coliform, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Oil and Grease
38220	Treatment and disposal of hazardous waste	Color, Temperature, pH, COD, Total Suspended Solids, and other parameters depending on the nature of their activities
39000	Remediation activities and other waste management services	Color, Temperature, pH, COD, Total Suspended Solids and other parameters depending on the nature of remediation activitiy
<b>G. Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles</b>		
452, 454	Maintenance and repair of vehicles, their parts and components (excluding vulcanizing/tire related preparations)	Color, pH, Total Suspended Solids, Ammonia, Nitrate, Nickel, Cadmium, Mercury, Lead, Oil and Grease, Benzo(a)pyrene, Surfactants

PSICコード	業種	排出物質 (Significant Parameters)
47300, 4661	Wholesale and retail sale of automative fuels	Total Suspended Solids, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
H. Transportation and Storage		
52104	Cold storage	Color, Temperature, pH, COD, Total Suspended Solids, Ammonia, Oil and Grease
I. Accommodation and Food Services		
55	Hotels, motels, resorts, dormitories, and other accommodation services	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
56	Restaurants, food chains, bars, and other food/beverage services	BOD, Total Suspended Solids, Oil and Grease, Surfactants
L. Real Estate Activities		
681	Real estate activities with own or leased property	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
M. Professional, Scientific, and Technical Activities		
71200	Technical testing and analysis	All Significant Parameters depending on the nature of their activity
7210	Research and experimental development on natural sciences and engineering	All Significant Parameters depending on the nature of their activity
75	Veterinary activities	Color, pH, COD, Total Suspended Solids, Fecal Coliform, Oil and Grease, Surfactants
P. Education		
85	Public and private education (including support activities)	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, and all Significant Parameters depending on the nature of their activitiy
Q. Human Health and Social Works		
86, 87	Hospitals, clinics, nursing homes and other human health and residential care activities	Color, Temperature, pH, BOD, Total Suspended Solids, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
86900	Other human health activities – medical laboratories inside and outside of medical facilities	All Significant Parameters depending on the nature of their activity
S. Other Service Activities		
96210	Washing and dry cleaning of textile and fur products	COD, Total Suspended Solids, Ammonia, Chloride, Barium, Oil and Grease, Surfactants, Trichloroethylene
96300	Funeral and related activities	COD, Total Suspended Solids, Total Coliform, Ammonia, Phosphate, Sulfate
Other Classifications		
OC1	Public markets	Color, Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Chloride, Oil and Grease
OC2	Scrubbing of flue gases from firing systems (primarily in scrubbing of flue gases from firing systems). This shall not apply to wastewater from other industrial waste-gas-scrubbing systems, from cooling circuits of power solutions and industrial processes	Color, Temperature, pH, COD, Sulfate, Fluoride, Chromium, Nickel, Copper, Cadmium, Mercury
OC3	Effluent from oil water separators of auxilliary facilities	pH, Total Suspended Solids, Oil and Grease
OC4	Effluent from cooling ponds, cooling towers, and similar facilities (non-contact cooling system)	Temperature, pH

(出所)環境天然資源省HP(11～19ページのTable8)を基にジェトロ作成

表2. パラメーターおよび水面基準ごとの遵守すべき基準

<https://pab.emb.gov.ph/wp-content/uploads/2017/07/DAO-2016-08-WQG-and-GES.pdf>

パラメーター	Unit	水面基準 (Water Body Classification)								
		AA	A	B	C	D	SA	SB	SC	SD
Physical Chemical										
Ammonia as NH <sub>3</sub> -N	mg/L	NDA	0.5	0.5	0.5	7.5	NDA	0.5	0.5	7.5
BOD	mg/L	NDA	20	30	50	120	NDA	30	100	150
Boron	mg/L	NDA	2	2	3	12	NDA	2	20	80
Chloride	mg/L	NDA	350	350	450	500	NDA	n/a	n/a	n/a
COD	mg/L	NDA	60	60	100	200	NDA	60	200	300
Color	TCU	NDA	100	100	150	300	NDA	100	150	300
Cyanide as Free Cyanide	mg/L	NDA	0.14	0.14	0.2	0.4	NDA	0.04	0.2	0.4
Fluoride	mg/L	NDA	2	2	2	4	NDA	3	3	6
Nitrate as NO <sub>3</sub> -N	mg/L	NDA	14	14	14	30	NDA	20	20	30
pH (Range)		NDA	6.0-9.0	6.0-9.0	6.0-9.5	5.5-9.5	NDA	6.5-9.0	6.0-9.0	5.5-9.5
Phosphate	mg/L	NDA	1	1	1	10	NDA	1	1	10
Selenium	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.2	0.4
Sulfate	mg/L	NDA	500	500	550	1,000	NDA	500	550	1,000
Surfactants (MBAS)	mg/L	NDA	2	3	15	30	NDA	3	15	30
Temperature <sup>(h)</sup>	°C Change	NDA	3	3	3	3	NDA	3	3	3
Total Suspended Solids	mg/L	NDA	70	85	100	150	NDA	70	100	150
Metals										
Arsenic	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.04	0.08
Barium	mg/L	NDA	1.5	1.5	6	8	NDA	1.5	2	8
Cadmium	mg/L	NDA	0.006	0.006	0.01	0.02	NDA	0.006	0.01	0.02
Chromium as Hexavalent Chromium (Cr <sup>6+</sup> )	mg/L	NDA	0.02	0.02	0.02	0.04	NDA	0.1	0.1	0.2
Copper as dissolved	mg/L	NDA	0.04	0.04	0.04	0.08	NDA	0.04	0.04	0.08
Iron	mg/L	NDA	5	5	7.5	35	NDA	7.5	7.5	35
Lead	mg/L	NDA	0.02	0.02	0.1	0.2	NDA	0.02	0.1	0.2
Manganese	mg/L	NDA	2	2	2	20	NDA	4	4	40
Mercury	mg/L	NDA	0.002	0.002	0.004	0.008	NDA	0.002	0.004	0.008
Nickel	mg/L	NDA	0.1	0.2	1	5	NDA	0.2	0.3	1.5
Zinc	mg/L	NDA	4	4	4	8	NDA	0.1	1.5	3
Organics										
Benzo(a)pyrene	µg/L	NDA	1.5	1.5	3	6	NDA	1.5	3	6
BTEX										
Benzene	mg/L	NDA	0.1	0.1	0.5	5	NDA	0.1	0.5	5
Toluene	mg/L	NDA	3.5	5	20	25	NDA	5	20	25
Ethylebenzene	mg/L	NDA	1.5	1.5	7.5	10	NDA	1	7.5	10
Xylenes	mg/L	NDA	5	5	15	18	NDA	5	15	18
Malathion (Organophosphate)	µg/L	NDA	1	1	3	6	NDA	1	3	6
Oil and Grease	mg/L	NDA	5	5	5	15	NDA	5	10	15
Polychlorinated Biphenyls <sup>(i)</sup>	µg/L	NDA	<0.1	<0.1	<0.1	<0.1	NDA	<0.1	<0.1	<0.1
Phenol & Phenolic Substances <sup>(j)</sup>	mg/L	NDA	0.01	0.01	0.5	5	NDA	0.01	0.5	5
Trichloroethylene	mg/L	NDA	0.7	0.7	9	20	NDA	0.7	9	20
Total Organochlorine Pesticides <sup>(k)</sup>	µg/L	NDA	<0.419	50	50	50	NDA	50	50	50
Aldrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Chlordane	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
DDT	µg/L	NDA	<0.04	<0.04	<0.04	<0.04	NDA	<0.04	<0.04	<0.04
Dieldrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Endrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Heptachlor	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Lindane	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Methoxychlor	µg/L	NDA	<0.03	<0.03	<0.03	<0.03	NDA	<0.03	<0.03	<0.03
Toxaphene	µg/L	NDA	<0.03	<0.03	<0.03	<0.03	NDA	<0.03	<0.03	<0.03
Microbiological										
Fecal Coliform	MPN/100mL	NDA	4	200	400	800	NDA	200	400	800
Total Coliform	MPN/100mL	NDA	3,000	3,000	10,000	15,000	NDA	3,000	10,000	15,000

(出所) 環境天然資源省HP (20~22ページのTable9) を基にジェットロ作成

表3. 水面基準(環境天然資源省資料)の定義

水面基準	定義
Class AA	Public Water Supply Class I – Intended primarily for waters having watersheds, which are uninhabited and/or otherwise declared as protected areas, and which require only approved disinfection to meet the
Class A	Public Water Supply Class II – Intended as sources of water supply requiring conventional treatment (coagulation, sedimentation, filtration and disinfection) to meet the latest PNSDW
Class B	Recreational Water Class I – Intended for primary contact recreation (bathing, swimming, etc.)
Class C	1. Fishery Water for the propagation and growth of fish and other aquatic resources 2. Recreational Water Class II – For boating, fishing, or similar activities 3. For agriculture, irrigation, and livestock watering
Class D	Navigable waters
Class SA	1. Protected Waters – Waters designated as national or local marine parks, reserves, sanctuaries, and other areas established by law (Presidential Proclamation 1801 and other existing laws), and/or declared as such by appropriate government agency, LGUs, etc. 2. Fishery Water Class I – Suitable for shellfish harvesting for direct human consumption
Class SB	1. Fishery Water Class II – Waters suitable for commercial propagation of shellfish and intended as spawning areas for milkfish ( <i>Chanos chanos</i> ) and similar species 2. Tourist Zones – For ecotourism and recreational activities 3. Recreational Water Class I – Inteded for primary contact recreation (bathing, swimming, skin diving, etc.)
Class SC	1. Fishery Water Class III – For the propagation and growth of fish and other aquatic resources and intended for commercial and sustenance fishing 2. Recreational Water Class II – For boating, fishing, or similar activities
Class SD	Navigable waters

(出所) 環境天然資源省HP(4～5ページのTable1・2)を基にジェトロ作成