

OFFICIAL GAZETTE REPUBLIC OF SEYCHELLES

Published by Authority of the Government

Vol. XLVIII

Monday 31st July 2023

No. 42

TABLE OF CONTENTS

GENERAL NOTICES

Gazette Notices No. 818 of 2023 - 835 of 2023 are published by Order.

GAZETTE SUPPLEMENT

Gazette	Description	Price
42	Environment Protection (Effluent Standards) Regulations, 2023.	
	(S.I. 53 of 2023)	128.00

GENERAL NOTICES

No. 818 of 2023

CENTRAL BANK OF SEYCHELLES

Notice for Closing of Register of Transfers

3.5% Four Year Treasury Bond (2021)

4.5% Six Year Treasury Bond (2021)

2.9% Three Year Treasury Bond (2022)

4.4% Five Year Treasury Bond (2022)

5.9% Seven Year Treasury Bond (2022)

The Register of Transfers maintained at the Central Bank of Seychelles in respect of the above-mentioned bonds will remain closed from August 02 to August 15, 2023.

Accordingly, no transfers of the aforesaid bonds will be registered during that period.

No. 819 of 2023

CENTRAL BANK OF SEYCHELLES

Notice for Closing of Register of Transfers

6.5% Five Year DBS Bond (2019)

The Register of Transfers maintained at the Central Bank of Seychelles in respect of the above-mentioned bond will remain closed from August 07 to August 20, 2023.

Accordingly, no transfers of the aforesaid bond will be registered during that period.

ELECTIONS ACT

(Cap 262)

Pursuant to its mandate under paragraph 1 of chapter 1 of schedule 3 to the Elections Act, the Electoral Commission is opening the following Registration Centre:

Registration Centre	Date	Time	Location
Seychelles Institute of Information and Technology	04 th August	09:30am to 12:00pm	Providence
District Administration Office	07 th , 08 th , 09 th , 10 ^{th,} 11 th August	09:00am to 05:00pm	Baie Lazare
Pension Fund Complex	26 th August	09:00am to 02:00pm	Grand Anse Praslin
Seychelles Institute of Arts & Design	28 th August	10:30am to 12:00pm	Anse Royale

Qualified citizens are invited to submit their applications for *registration as a voter, transfer, change of name, correction, or objections* at the registration centers.

Dated this 28th day of August, 2023.

Ms. Sheena Boniface CHIEF REGISTRATION OFFICER

No. 821 of 2023

Curatelle Act

(Section 23)

Notice of Appointment of Executor

Notice is hereby given that on the 31st day of May 2023, the Curator appointed Florent Gonzague Casquette of La Misere, Mahe, Seychelles NIN: 960-1018-1-1-79, as the executor of the succession of the deceased Marie Madeleine Casquette also known as Madeleine Casquette, under section 23 of the Curatelle Act.

Dated this 31st day of May, 2023.

CURATOR

No. 822 of 2023

Curatelle Act

(Section 23)

Notice of Appointment of Executrix

Notice is hereby given that on the 28th day of June 2023, the Curator appointed Marie-Madeleine Sultan of Foret Noire, Mahe, Seychelles NIN: 939-0107-2-0-86, as the executrix of the succession of the deceased Maxime Nicolas Sultan, under section 23 of the Curatelle Act.

Dated this 28th day of June, 2023.

CURATOR

No. 823 of 2023

Curatelle Act

(Section 23)

Notice of Appointment of Executrix

Notice is hereby given that on the 5th day of July 2023, the Curator appointed Leona Ceverine

Calle of Anse Etoile, Mahe, Seychelles NIN: 953-0061-3-0-45, as the executrix of the succession of the deceased Phillippe Xavier Jean Calle, under section 23 of the Curatelle Act.

Dated this 19th day of July, 2023.

CURATOR

No. 824 of 2023

Curatelle Act

(Section 23)

Notice of Appointment of Joint Executrix

Notice is hereby given that on the 12th day of July 2023, the Curator appointed Clarence Stella Hossen of Anse Aux Pins, Mahe, Seychelles NIN: 962-0866-1-0-64 and Marinette Paule Betsy of Anse Aux Pins, Mahe, Seychelles NIN: 0966-0487-1-0-05 as the joint executrix of the succession of the deceased Marie Louise Gabriel born Labrosse, under section 23 of the Curatelle Act.

Dated this 12th day of July, 2023.

No. 825 of 2023

FOUNDATIONS ACT

Section 99(1)

Notice is hereby given pursuant to Section 99(1) of the Foundations Act, 2009 that the names of the below foundations will be struck off the register unless payment of annual fees and all penalty fees are paid within 90 days from **25**th July, 2023.

Foundation Name Fortune Fan Foundation Wealth Ventures Foundation **Reg. No.** 706 869

Financial Services Authority

No. 826 of 2023

INTERNATIONAL BUSINESS COMPANIES ACT

(Act 15 of 2016)

Sections 272(1)(b)(ii) and 272(2)(b)

Notice is hereby given in accordance with section 272(2)(b) of the International Business Companies Act, 2016 (the Act) that the following companies will be struck off the register at the expiration of 60 days from the date of this publication, pursuant to section 272(1)(b)(ii) of the Act.

<u>Company Name</u>	IBC No.
Wellfield International Limited	224923
NAXOS GROUP LTD	231926
SENSE LOGISTIC AND CONSULTING LTD	231021
Flawless Limited	231377
Gabriella Future Limited	231277
Legend San Po Kong Limited	231276
POWELL GROUP CORP	216062
Inverse Square Holdings Limited	212841
PKKT Limited	229469
Sheng Jie International Ltd	199772
Westpine Management Inc	192713

CURATOR

Alilak Investments Limited GLOBAL OUTSOURCING SERVICES LIMITED	214971 32299
Aliemo Limited	198848
RIVELLINO GLOBAL LTD.	66233
JONGO INVESTMENT HOLDINGS INC.	103704
INVEST PARAMOR Ltd	134681
JONGO LIMITED	115945
Kudo Media Ltd	164388
MAD HOSPITALITY Limited	190391
Octopus Investments Limited	161982
PAN AFRICA HOLDINGS LIMITED	144089
Quantum Consultancy Ltd	206621
Sagittarius Civilcon AG	189057
SANOF S.A.	99727
Satpura Ltd	188512
SEVEN FORTY FIVE LTD	103840
South East Asia Capital Ltd	128789
Span Global Ltd	129805
SSR Ltd	47216
Water Investment and Management Solutions Ltd	97452
JONES ASSOCIATES S.A.	82644
CELLA MANAGEMENT INC.	187803
Lanara Ltd.	53903
Alphabet Ltd	205871
ARNETT GLOBAL INC.	84110
BRIMEX GROUP LIMITED	134262
ACTE IT Services Ltd	191493
AK Investments Limited	125727
BOGS, INC	198862
Brilliance Star Group Limited	222508
DINTEC PROAXIVE LTD	191955
Enterprise Power Ltd	162378
International Networks Limited	127210
INVERSIONES EXPOSICION LTD	201644
Highmoor Limited	80838
LEISURE & HOLIDAYS INTERNATIONAL INC.	70814
LineFord Company Inc.	102953
Leading Edge Incorporated	81111
DUNSANDEL S.A.	87779
Ceatonita Limited	198099
LEROY VENTURES S.A.	82643

Financial Services Authority

No. 827 of 2023

INTERNATIONAL BUSINESS COMPANIES ACT

(Act 15 of 2016)

Section 272(4)

Notice is hereby given pursuant to Section 272(4) of the International Business Companies Act, 2016 that **Brightstreams Limited - No. 134364** has been struck off the register with effect from 13th July, 2023.

Financial Services Authority

INTERNATIONAL BUSINESS COMPANIES ACT

(Act 15 of 2016)

Section 272(4)

Notice is hereby given pursuant to Section 272(4) of the International Business Companies Act, 2016 that the following companies have been struck off the register with effect from 24th July, 2023.

<u>Company Name</u>	<u>IBC No.</u>
ROCKFORT INTERNATIONAL LTD	214200
Horus Alliance Limited	155590
CHN Group Limited	219011
CARL ZIESS LTD	223716
GRAYSTONE CORP	214602

Financial Services Authority

No. 829 of 2023

NOTICE

Notice is hereby given in pursuance of Section 96 of the Civil Status Act (Cap. 34) that the Chief Officer of the Civil Status has granted the under noted applications made under section 94 of Cap. 34.

Ms. Myra Agricole authorized to change her son's name from Kris Paul Agricole to Edan Paul Fred.

Mr. David Rose & Ms Jules authorized to change their son's name from Dawyne John Rose to Dawyne John David Jules.

Ms. Jill Laporte authorize to change her name from Jill Laporte to Jill Parcou.

Ms. Tahiri Angel Jesighaus authorized to change her son's name from Yarah Claudia Accouche to Yarah Claudia Accouche Jesighaus.

Ms. Shirin Lucas authorized to change her daughter's name from Charissa Hayley Tricia Lucas to Charissa Hayley Tricia Julien.

Ms. Teresa Jack authorized to change her daughter's name from Noa Neriah Mary Atala to Noa Neriah Mary Jack-Atala.

N. Flore For: Chief Officer of the Civil Status

No. 830 of 2023

CHANGE OF NAME

Notice is hereby given that I have applied to the Chief Officer of the Civil Status to change my name from Angelika Maria Rose to Angelika Maria Léon agreeable with sections 94-99 of Cap. 34. Any person interested may oppose such application by filing a protest in writing setting forth his/her grounds of objections.

Ms. Angelika Maria Rose C/o Georges & Co. Suite 226 Eden Plaza, Eden Island P.O Box 153 Mahe, Seychelles

CHANGE OF NAME

Notice is hereby given that I have applied to the Chief Officer of the Civil Status to change my name from Samia Laats to Samia Boniface agreeable with sections 94-99 of Cap. 34. Any person interested may oppose such application by filing a protest in writing setting forth his/her grounds of objections.

Ms Samia Boniface C/o Finette Roucou Mont-Fleurie Mahe Seychelles

No. 832 of 2023

NOTICE OF INTENTION TO APPLY FOR CITIZENSHIP OF SEYCHELLES

Notice is hereby given that I, Marc Goldstein of Anse Royale whose further particulars appear below, being a person eligible to apply for citizenship under *Article 10/12 of the Constitution / Section 5(2)/5A/5B/5C and 6 of the Citizenship Act (Cap 30) have applied for *Registration/Naturalisation as a citizen of Seychelles and any person who knows any lawful reasons why the application should not be granted may forward a written and signed statement of the reasons within 28 days of the last publication of this notice to the Citizenship Officer, Immigration Division, Independence House, Victoria.

Further particulars:

- a) I am also known as Marc Goldstein.
- b) My present nationality is Belgian.
- c) The date of my first entry into Seychelles is 14th June 2008.
- d) The date of my last entry into Seychelles before the present application is 14th July 2023.
- e) I am gainfully employed as */carrying on business as an energy consultant in Southern Africa since 2005.
- f) The special circumstance which qualifies me to make this application is my wife and children are Seychelloise and we have been married for 16 years.

No. 833 of 2023

NOTICE OF INTENTION TO APPLY FOR CITIZENSHIP OF SEYCHELLES

Notice is hereby given that I, Emer Catherine Lee Cheen Rigamonti of Beau Vallon whose further particulars appear below, being a person eligible to apply for citizenship under *Article 10/12 of the Constitution / Section 5(2)/5A/5B/5C and 6 of the Citizenship Act (Cap 30) have applied for *Registration/Naturalisation as a citizen of Seychelles and any person who knows any lawful reasons why the application should not be granted may forward a written and signed statement of the reasons within 28 days of the last publication of this notice to the Citizenship Officer, Immigration Division, Independence House, Victoria.

Further particulars:

- a) I am also known as Emer.
- b) My present nationality is British.
- c) The date of my first entry into Seychelles is November 1995.
- d) The date of my last entry into Seychelles before the present application is 17th December 2022.

- e) I am gainfully employed as */carrying on business as permanent resident permit in Seychelles since 14/03/2018.
- f) The special circumstance which qualifies me to make this application is I've been living in Seychelles since 1995. My husband and two daughters are all Seychelloise. I would like to make Seychelles my permanent home.

No. 834 of 2023

NOTICE OF INTENTION TO APPLY FOR CITIZENSHIP OF SEYCHELLES

Notice is hereby given that I, Benjamin James Barker of Eden View Apartment, Mahe whose further particulars appear below, being a person eligible to apply for citizenship under *Article 12 of the Constitution / have applied for Naturalisation as a citizen of Seychelles and any person who knows any lawful reasons why the application should not be granted may forward a written and signed statement of the reasons within 28 days of the last publication of this notice to the Citizenship Officer, Immigration Division, Independence House, Victoria.

Further particulars:

- a) My present nationality is British.
- b) The date of my first entry into Seychelles is 2005.
- c) The date of my last entry into Seychelles before the present application is June 2023.
- d) I am carrying on business as self employed in Seychelles since 2015.
- e) The special circumstance which qualifies me to make this application is married to a Seychellois for 16 years and living permanently Seychelles for 84 years.

No. 835 of 2023

NOTICE OF INTENTION TO APPLY FOR CITIZENSHIP OF SEYCHELLES

Notice is hereby given that I, Germain Simmy Lalande of Avenue Adolphe Lacomble 24 1030 Bruxelles, Belgique whose further particulars appear below, being a person eligible to apply for citizenship under *Article 10/12 of the Constitution / Section 5(2)/5A/5B/5C and 6 of the Citizenship Act (Cap 30) have applied for *Registration/Naturalisation as a citizen of Seychelles and any person who knows any lawful reasons why the application should not be granted may forward a written and signed statement of the reasons within 28 days of the last publication of this notice to the Citizenship Officer, Immigration Division, Independence House, Victoria.

Further particulars:

- a) I am also known as Germain Simmy Lalande.
- b) My present nationality is Belge.
- c) The date of my first entry into Seychelles is 2005.
- d) The date of my last entry into Seychelles before the present application is November 2022.
- e) I am carrying on business as self employed.
- f) The special circumstance which qualifies me to make this application is Citizenship relation by my grand parent who was born in Seychelles (Mahe) and my father Seychellois who was born in Congo-Belge.

[31st July 2023]

REPUBLIC OF SEYCHELLES

SUPPLEMENT TO OFFICIAL GAZETTE

S.I. 53 of 2023

ENVIRONMENT PROTECTION ACT

(Act 18 of 2016)

ENVIRONMENT PROTECTION (EFFLUENT STANDARDS) REGULATIONS, 2023

ARRANGEMENT OF REGULATIONS

PART 1 PRELIMINARY

- 1. Citation
- 2. Interpretation

PART 2

LIMITATIONS AND CONTROL OF EFFLUENT

- 3. General obligation to prevent and mitigate pollution
- 4. Environmental standards for effluent
- 5. Application for variance of environmental standards for effluent
- 6. Effluent to be treated
- 7. Effluent to be free of certain substances
- 8. Code of Practice

PART 3 AUTHORISATION TO DISCHARGE EFFLUENT

- 9. Application for authorisation to discharge effluent
- 10. Processing of application for an authorisation to discharge effluent
- 11. Issuance of authorisation
- 12. Conditions in the grant of authorisation
- 13. Suspension, revocation or modification of authorisation to discharge effluent

PART 4 NEW SOURCES OF EFFLUENT DISCHARGE

- 14. Prohibition against new and altered sources of discharge effluent
- 15. Requirement and approval of plans

[31st July 2023]

REPUBLIC OF SEYCHELLES

SUPPLEMENT TO OFFICIAL GAZETTE

PART 5 MISCELLANEOUS

- 16. Point of discharge of effluent
- 17. Sampling points
- 18. Monitoring and inspection by authorised officers
- 19. Self-monitoring
- 20. Register of effluent points of discharge
- 21. General penalty
- 22. Regulations to be read with other laws

PART 6 REPEAL, SAVINGS AND TRANSITIONAL PROVISIONS

- 23. Repeal and savings
- 24. Transitional provisions
 - Schedule 1 Pollutant Activity and Parameters
 - Schedule 2 Environmental Standards for effluent
 - Schedule 3 Seychelles Code of Practice for Wastewater Effluent Standards

SUPPLEMENT TO OFFICIAL GAZETTE

S.I. 53 of 2023

ENVIRONMENT PROTECTION ACT

(Act 18 of 2016)

Environment Protection (Effluent Standards) Regulations, 2023

In exercise of the powers conferred by sections 5, 14 (b) and 80 (1) (d) of the Environment Protection Act, 2016, the minister responsible for environment, in consultation with the Ministry responsible for health, makes the following Regulations —

PART 1 - PRELIMINARY

Citation

1. These Regulations may be cited as the Environment Protection (Effluent Standards) Regulations, 2023.

Interpretation

2. In these Regulations, unless the context otherwise requires —

"Act" means the Environment Protection Act, 2016;

"best available technology" means application of methods, principles and technological innovation, which complies with established standards of performance;

"cleaner production techniques" means practices and technologies used to minimise waste and effluent generation, optimise resource utilisation and reduce environmental pollution and impacts associated with industrial processes and activities; and

"environmental laboratory" means an environmental laboratory established or recognized under section 64 of the Act.

PART 2 - LIMITATIONS AND CONTROL OF EFFLUENT

General obligation to prevent and mitigate pollution

3. A person whose activities are likely to produce effluent shall put in place a management system, in order to prevent, control and mitigate pollution in accordance with the Act, these Regulations and any other written law, including by —

- (a) employing the best available technology and cleaner production techniques; and
- (b) installing effluent treatment equipment and facilities for effluent emanating from the activities of the applicant.

Environmental standards for effluent

4.(1) The standards for effluent on discharge into any watercourse or on land are prescribed in these Regulations.

(2) Schedule 1 sets out the categories of pollutant activities and their parameters.

(3) A person who intends to discharge any effluent from any activity shall comply with the effluent quality standards set out in Schedule 2.

Application for variance of environmental standards for effluent

5. The Minister may, in special circumstances and in consultation with any relevant public authority, vary any standards for effluent and impose conditions on the applicant.

Effluent to be treated

6. Effluent shall be treated in accordance with the standards set out in Schedule 2, before it is discharged into any watercourse or in the territorial waters or on land, unless in exceptional circumstances an exemption is specifically granted by the Minister.

Effluent to be free of certain substances

7.(1) Subject to these Regulations or any other written law, effluent discharged into any watercourse or in the territorial waters or on land shall not exceed the maximum permissible level set out in Schedule 2 and shall not contain any of the following —

- (a) hazardous substance;
- (b) hazardous waste;
- (c) any pesticide, fungicide, herbicide, insecticide, rodenticide or fumigant; or
- (d) such other substances that the Minister specify by notice published in the Gazette.

(2) The Minister may, in special circumstances and in consultation with any relevant public authority, authorise an applicant to discharge effluent containing the substances specified in subregulation (1) and impose conditions on the applicant.

Code of Practice

8.(1) The Minister may issue or approve, and may modify, a Code of Practice set out in Schedule 3, providing guidance and directions on any of the following matters —

- (a) the monitoring and management of effluent discharge;
- (b) water pollution control;
- (c) wastewater overflow management; and
- (d) any such other matters that the Minister considers necessary for the protection of the environment.
- (2) The Minister shall publish the Code of Practice in the Gazette.

(3) A copy of the Code of Practice issued or approved under subregulation (1) —

- (a) is obtainable at the Ministry on payment of a fee during working hours; and
- (b) is available on the internet website managed by the Ministry.

(4) The Minister may revoke an authorisation to discharge effluent where the person who was granted the authorisation fails to comply with the Code of Practice.

PART 3 - AUTHORISATION TO DISCHARGE EFFLUENT

Application for authorisation to discharge effluent

9.(1) A person who intends to discharge effluent shall apply to the Minister for an authorisation to discharge the effluent into any watercourse or in the territorial waters or on land.

(2) An application under subregulation (1) shall be in the form prescribed in the Environment Protection (Miscellaneous) Regulations, 2019 (S.I. 7 of 2019) and accompanied by the prescribed fee.

Processing of application for an authorisation to discharge effluent

10.(1) The Minister shall, in processing an application under regulation 9, consider any comments and recommendations received from any public authority.

(2) The Minister may in processing an application under regulation 9, direct the Ministry to conduct inspections that are necessary to enable the Minister to make an informed decision regarding —

(a) the availability of the best available technology and cleaner production techniques to manage the effluent for which the application is made;

- (b) the ability of the applicant to install and utilise effluent treatment equipment and facilities for effluent emanating from the activities of the applicant;
- (c) measures for the protection of human health and the environment; and
- (d) any other specific measure that may be deemed necessary.

(3) In addition to the provisions under the Environment Protection (Miscellaneous) Regulations, 2019, the Minister shall, before issuing an authorisation for a person to discharge effluent under regulation 11, direct an authorised officer to -

- (a) verify that the applicant has adequate technical capacity to manage the effluent;
- (b) consider the potential impacts of the effluent discharge on human health or the environment;
- (c) verify that the applicant meets any other requirements under the Act or any other applicable law; and
- (d) take any other measures as are necessary to ensure compliance with the relevant requirements of the Act or any other applicable law.

Issuance of authorisation

11. The Minister may, after being satisfied that the applicant meets the requirement of this Part and any other written law, grant an authorisation to a person to discharge effluent into any watercourse or in the territorial waters or on land in accordance with regulation 8 of the Environment Protection (Miscellaneous) Regulations, 2019.

Conditions in the grant of authorisation

12. The Minister may, in granting an authorisation under regulation 11, impose conditions, including requirements related to —

- (a) the activity or facility for which the permit is issued;
- (b) the maximum volume of effluent that may be discharged daily;
- (c) the maximum rate at which effluent may be discharged at any given time;
- (d) the installation of anti-pollution equipment for the treatment of effluent emanating from its origin;
- (e) the method of sampling and location of sampling points of the effluent;
- (f) the discharge point;
- (g) the frequency of analysis to be conducted in respect of the effluent;
- (h) the standards of discharge set out in Schedule 2 or as varied in accordance with regulation 5; and
- (i) any other conditions as the Minister may deem necessary.

Suspension, revocation or modification of authorisation to discharge effluent

13.(1) The Minister may suspend, revoke or modify any grant of an authorisation to a person to discharge effluent issued pursuant to regulation 11 where —

- (a) the information, particulars or data given by the applicant in relation to regulation 5, 7 or 9 or during an inspection of the place or premises by an authorised officer were false, substantially incorrect or intended to mislead;
- (b) it is necessary to protect human health or to prevent harm or further harm to the environment, due to a situation that

was not reasonably foreseen or anticipated during the grant of the authorisation;

- (c) there is non-compliance with the Act or any relevant law; or
- (d) any other considerations that may warrant the suspension, revocation or modification of the grant of authorization to discharge effluent.

(2) Where the Minister intends to suspend, revoke or modify the grant of authorisation to discharge effluent, the Minister shall -

- (a) notify the person who was granted authorisation to discharge effluent the intention of the Minister before the decision is taken; and
- (b) inform the person who was granted authorisation to discharge effluent of that person's right to show cause why the grant of authorisation to discharge effluent should not be suspended, revoked or modified.

(3) The person who was granted authorisation to discharge effluent may give a written response to the Minister, within 48 hours from the receipt of the notice issued under subregulation (2), stating reasons why the grant of authorisation to discharge effluent should not be suspended, revoked or modified.

(4) The Minister may, after the expiration of the period specified under subregulation (3), suspend or revoke the effluent discharge permit where -

- (a) the Minister is not satisfied with the reasons given by the person who was granted authorisation to discharge effluent; or
- (b) the Minister has not received a response from the person who was granted authorisation to discharge effluent.

(5) Notwithstanding subregulation (2), the Minister may, depending on the gravity of the matter, suspend, revoke or modify the grant of authorisation to discharge effluent without notice and require the person who was granted authorisation to discharge effluent to cease forthwith all activities or operations at the place or premises that produce effluent.

(6) Where the grant of authorisation to discharge effluent is suspended under subregulation (4) or (5), the person who was granted authorisation to discharge effluent shall stop any further operations that produce effluent and undertake necessary remedial measures in a manner determined by the Minister.

(7) Where an effluent discharge permit is suspended and the person who was granted authorisation to discharge effluent has undertaken remedial measures under subsection (6) to the satisfaction of the Minister, that person may apply to the Minister for reconsideration to permit the person to discharge effluent.

PART 4 NEW SOURCES OF EFFLUENT DISCHARGE

Prohibition against new and altered sources of effluent discharge

14. Notwithstanding any other written law, no person shall without prior written authorisation of the Minister —

- (a) carry out any work at any place or on any premises that may result in a new origin or source of effluent discharge; or
- (b) cause a material change in the quantity or quality of the effluent discharge from an existing origin.

Requirement and approval of application

15.(1) An application for an authorisation under regulation 15 shall be submitted to the Minister in such form as the Minister may determine and accompanied by a fee of SCR500.

(2) On receipt of an application under subregulation (1), the Minister, may, after consulting the relevant public authorities, grant an authorisation, subject to conditions or unconditionally.

SUPPLEMENT TO OFFICIAL GAZETTE

PART 5 MISCELLANEOUS

Point of discharge of effluent

16.(1) The point or points of discharge of effluent shall be approved by the Minister.

(2) The position and design of the outlet at the point or points of discharge of effluent as determined in sub-regulation (1) shall not be altered or changed without prior Minister.

Sampling points

17. A person who has authorisation to discharges effluent into any watercourse or in the territorial waters or on land shall, in connection with such discharge, install such sampling test point or points inspection chambers, flow meters, and recording and other apparatus of the best available technology on the approval of the Minister.

Monitoring and inspection by authorised officers

18.(1) An authorised officer shall conduct inspections and monitoring of the place or premises generating or discharging effluent with the view —

- (a) to assess compliance with the standard for effluent from an activity set out in Schedule 2;
- (b) to assess compliance with any conditions imposed by the Minister on a person granted an authorisation to discharge effluent;
- (c) to ascertain that appropriate measures are in place for avoiding and minimising pollution of the environment or harm to human health;

- (d) to verify the availability and functionality of any equipment, apparatus or thing that is a pre-condition for the discharge of effluent pursuant to these Regulations; and
- (e) to undertake any other interventions as may be deemed necessary for the protection of the environment.

(2) A person whose activities or operations at a place or premises produce effluent shall permit an authorised officer to take samples of effluent pursuant to section 63 of the Act and regulations 5, 6 and 7 of the Environment Protection (Miscellaneous) Regulations, 2019.

(3) The occupier or owner of any premises shall provide any authorized officer or public officer accompanying the authorised officer every reasonable assistance that the authorised officer may need to inspect or monitor the premises for the purposes of subregulation (1) as stipulated under section 61 of the Act.

Self-monitoring

19.(1) Where the Minister imposes a condition under regulation 12(g) on the person to discharge effluent, that person shall submit samples of that effluent to an environment laboratory for an analysis to ascertain whether the effluent meets the standards set out in Schedule 2 and the results of the analysis shall be submitted to the Ministry.

(2) The person granted an authorisation to discharge effluent shall pay the environmental laboratory for an analysis conducted under subregulation (1).

(3) Where a person who is granted an authorisation to discharge effluent does not comply with the conditions under regulation 12(g), an authorised officer shall take the sample in accordance with regulation 18(2) and the person who is granted an authorisation to discharge effluent shall pay a fixed administrative fee of SCR2,500 to the Ministry and pay the laboratory for an analysis conducted under that provision.

(4) Nothing in subregulation (3) shall be construed as preventing the Minister from suspending or revoking an authorisation to discharge effluent on the grounds that the person issued the authorisation breached the conditions imposed under regulation 12(g).

Register of effluent points of discharge

20.(1) The Ministry may establish and maintain a register of effluent points of discharge.

- (2) The register shall contain
 - (a) the name and address of the person granted authorisation to discharge effluent;
 - (b) the proposed site and activity; and
 - (c) such other information that the Minister may determine.
- (3) The Ministry shall cause the register to be updated periodically.
- (4) The register may be open to the public for inspection.

General penalty

21. A person who discharges effluent into any watercourse or in the territorial waters or on land without authorisation from the Minister commits an offence under section 68(2) of the Act.

Regulations to be read with other laws

22. These Regulations shall be read together with any other written law relating to effluent, and the provisions of these Regulations shall be in addition to, and not in derogation of, such other written laws.

PART 6 REPEAL, SAVINGS AND TRANSITIONAL PROVISIONS

Repeal and savings

23.(1) The Environment Protection (Standards) Regulations, 1995 (S.I. 83 of 1995) is repealed.

(2) Any decision, approval or permit given under any law that was premised on the repealed Environment Protection (Standards) Regulations, and which is in force immediately before the commencement of these Regulations shall have effect from the commencement of these Regulations as if made or granted, under these Regulations.

Transitional provisions

24.(1) A person who was granted an authorisation to discharge effluent before the commencement of these Regulations shall take steps to -

- (a) comply with the effluent parameters for the pollutant activity as set out in Schedule 2; and
- (b) comply with Regulations 3, 4, 6, and 8 no later than 1^{st} July, 2024.

(2) A person who was granted an authorisation to discharge effluent before the commencement of these Regulations shall continue to meet the effluent quality standard in the Schedule to the Environment Protection (Standards) Regulations and shall take urgent steps to comply with the effluent parameters for the pollutant activities and the Code of Practice set out in Schedules 1, 2 and 3, no later than 1st July, 2024.

SUPPLEMENT TO OFFICIAL GAZETTE

SCHEDULE 1

[Regulation 4(1)]

POLLUTANT ACTIVITY AND PARAMETERS

Categories	Parameters
Dischargers 20 m ³ /d to 1,000	Temperature, pH, BOD ₅ @20°C TSS, COD,
m^{3}/d . This category includes	Oil and Grease, Total Coliforms, E. Coli.,
residential, accommodation,	Intestinal Enterococci, Salmonella, Free
restaurants, shops, and other	chlorine.
non industrial	
establishments.	
Dischargers > $1,000 \text{ m}^3/\text{d}.$	Temperature, pH, BOD ₅ @20°C, TSS, COD,
This category includes	Oil and Grease, Total Coliforms, E. Coli.,
municipal discharge.	Intestinal Enterococci, Salmonella, Free
r	chlorine, Total Nitrogen and TKN.
	emornie, rotal tutogen and rkiv.
Irrigation	Temperature, pH, BOD ₅ @20°C, TSS, COD,
	Oil and Grease, Total Coliforms, E. Coli.,
	Intestinal Enterococci, Salmonella, Free
1. x	chlorine.
	The effluent shall be treated and filtered
	before use for irrigation and only for use in
	landscaping. Use of treated effluent for food
	production or water features if there are any,
	shall be determined on a case \Box by \Box case basis.
Industrial	
Fisheries Industry	Temperature, pH, BOD5@20°C, TSS, COD,
	Oil and Grease, Total Coliforms, E. Coli.,
	Intestinal Enterococci, Salmonella, Total
	Nitrogen, TKN and Free chlorine.
Beverage Industry	Temperature, pH, COD, BODs@20°C, TSS,
	Sodium, Zinc, Detergents, Free chlorine.
Chemical Processing	Temperature, pH, BOD ₅ @20°C, TSS, COD,
-	Oil and Grease, Total Coliforms, E. Coli,
	Intestinal Enterococci, Salmonella, Free
	chlorine Effluent Limits to be determined by
	the Ministry on a case-by-case basis.
Food processing	Temperature, pH, COD, BOD ₅ @20°C, TSS,
	Chloride, Total Nitrogen, Sodium, oil and
1.1	grease, Total Coliforms, E. Coli., Intestinal
	Enterococci, Salmonella, Free chlorine.
	,

[31st July 2023]

REPUBLIC OF SEYCHELLES

Abattoir	Temperature, pH, BOD ₅ @20°C, TSS, COD, Oil
	and Grease, Total Coliforms, E. Coli., Intestinal
	Enterococci, Salmonella, chloride, Total
	Nitrogen and Free chlorine
Medical Waste	Temperature, pH, BOD ₅ @20°C, TSS, COD, Oil
	and Grease, Total Coliforms, E. Coli., Intestinal
	Enterococci, Salmonella, Free Chlorine.
Breweries and distillery	Temperature, pH, COD, BOD ₅ @20°C, TSS,
	Selenium, Zinc, Oil and Grease, Detergent,
	Total Nitrogen, Copper, Arsenic, and Free
	chlorine.
Paint Manufacturing	Colour, temperature, pH, COD, BOD ₅ @20°C,
	TSS, Chloride, Sulphate, Sulphide, Aluminium,
	Cadmium, Total Chromium, Cobalt, Copper,
	Lead, Mercury, Molybdenum, Zinc, Oil and
	Grease, Total Organic Halides and Free
	chlorine.
Mechanical Workshop	pH, COD, BOD ₅ @20°C, Oil and Grease, Total
	Chromium, Lead, Manganese, Zinc, Free
	chlorine, Arsenic, Mercury, Sulphate, Cadmium
	and Aluminium.
Printing Industry	Temperature, pH, BOD ₅ @20°C, TSS, COD, Oil
	and Grease, Total Coliforms, E. Coli., Intestinal
	Enterococci, Salmonella, Free chlorine, Lead
	and Arsenic. The effluent limits shall be
	determine on a case by case basis.
Pre-treatment for	As prescribed by PUC under the Public Utilities
Discharge to the PUC	Act.
Sewage System	

Note:

*Discharge into a Marine National Park shall meet the effluent standards as categorised in Schedule 1 but with a total Nitrogen limit of 30 mg/L.

* Discharge on land or in a water course shall meet the standards for its category and the Total Nitrogen limit (Nitrate as N, Nitrite as N and TKN) and Total Phosphorus limit specified in Schedule 2.

*TKN (Total Kjeldahl Nitrogen) combines the measurement of the organic nitrogen and the ammonia nitrogen concentrations into a single value.

*Total Nitrogen combines the measurement of the TKN, Nitrate as N and Nitrite as N.

SUPPLEMENT TO OFFICIAL GAZETTE

SCHEDULE 2

[Regulation 4(2)]

GENERAL EFFLUENT QUALITY STANDARDS

		Maximum Permissible
Parameters	Units	Limits
Temperature (at point of discharge)	С	35
рН @25 С	pH units	5.5-8.5
Total Suspended solids	mg/L	30
BOD ₅ @20 C	mg/L	30
COD	mg/L	90
Free Chlorine	mg/L	0.5
Chloride	mg/L	750
Total Nitrogen (N)	mg/L	40
Nitrite (N)	mg/L	1
TKN (N)	mg/L	30
Total Phosphorus (P)	mg/L	10
Oil and grease	mg/L	10
Total coliforms	Cfu/100ml	500
E Coli	Cfu/100ml	100
Intestinal Enterococci	Cfu/100ml	100
Salmonella		Absent
Sulphate	mg/L	750
Sulphide	mg/L	0.002
Chromium (total)	mg/L	0.05
Arsenic	mg/L	0.1
Beryllium	mg/L	0.1
Boron	mg/L	0.75
Mercury (total)	mg/L	0.005
Molybdenum	mg/L	0.01
Cadmium	mg/L	0.01
Cobalt	mg/L	0.05
Copper	mg/L	0.5
Iron	mg/L	2.0

[31st July 2023]

REPUBLIC OF SEYCHELLES

SUPPLEMENT TO OFFICIAL GAZETTE

Lead (total) mg/L 0.05 Lithium mg/L 2.5 Copper (total) mg/L 0.5 Zinc (total) 2 mg/L Nickel (total) 0.1 mg/L Selenium 0.02 mg/L Sodium 200 mg/L Aluminium mg/L 5 Manganese (total) 0.2 mg/L Vanadium 0.1 mg/L **Total Pesticides** 0.025 mg/L Total organic halides mg/L 1 Cyanide 0.1 mg/L 15 Detergents mg/L

FISHERIES EFFLUENT QUALITY STANDARDS

		Maximum
Parameters	Units	Permissible Limits
Temperature: (at point of discharge).	°C	35
рН @25°С	pH units	5.5-8.5
Total Suspended solids	mg/L	100
BOD ₅ @20°C	mg/L	50
COD	mg/L	300
Total Nitrogen (N)	mg/L	50
Nitrite (N)	mg/L	50
TKN (N)	mg/L	50
Free chlorine	mg/L	0.5
Oil and grease	mg/L	10
Total coliforms	Cfu/100ml	500
E Coli	Cfu/100ml	100
Intestinal Enterococci	Cfu/100ml	100
Salmonella		Absent

[31st July 2023]

REPUBLIC OF SEYCHELLES

SUPPLEMENT TO OFFICIAL GAZETTE

SCHEDULE 3

[Regulation 8 (1)]

SEYCHELLES CODE OF PRACTICE FOR WASTEWATER EFFLUENT STANDARDS



For further information, please contact:

Name: Designation: Ministry of Agriculture, Climate Change and Environment Contact Information:

Disclaimer:

This publication is intended to be used as a guide only. It seeks to explain the possible obligations of entities whose activities are likely to produce effluent or otherwise affect water quality. Further information should be sought from the Ministry of Agriculture, Climate Change and Environment regarding obligations not captured in this publication and, where appropriate, legal advice should also be sought.

Table of contents

Summary		1
	Introduction	2
	Definitions	3
Part A	Legal Framework and Institutional Arrangements	4
Part B	Control of the Discharge of Effluent and Water Pollution Control	5

SUPPLEMENT TO OFFICIAL GAZETTE

Summary

This Code of Practice on effluent standards applies to all entities whose activities are likely to produce and discharge effluent in the Seychelles, otherwise referred to as dischargers. The primary focus of the Code of Practice is the discharge of effluent into any watercourse or in the territorial waters. The code is divided into 2 parts.

Part A establishes the legal framework and institutional arrangements which are applicable to the management of effluent. In this context, reference is made to the Environment Protection Act, 2016, the Environment Protection (Effluent Standards) Regulations, 2023, and other pieces of legislation such as the Public Utilities Corporation Act.

Measures to regulate the discharge of effluent and to prevent water pollution are outlined in Part B. In creating guidelines, different sources of effluent and wastewater are addressed.

In order to support the guidelines for the prevention of water pollution, Part B also includes a section on wastewater overflow and management. It is applicable to all wastewater systems that collect, treat and dispose of wastewater whether from domestic, agricultural, trade or industrial origin. It also applies to all scenarios where reuse of such wastewater occurs. In this respect, the Code of Practice provides guidance and, where applicable, instruction to entities whose activity operates a wastewater system to prevent the occurrence of overflows as much as possible, and to minimize the frequency and volume of such overflows. The designated operators of such wastewater systems are obliged to comply with the Code of Practice.

Introduction

This Code of Practice is intended to further the objectives of the Environment Protection Act and Regulations made thereunder, in particular the Environment Protection (Effluent Standards) Regulations, 2023. The overarching purpose of the Code of Practice is to provide guidance and directions to entities whose activities are likely to produce effluent or otherwise affect water quality including but not limited to industries engaged in activities which may produce wastewater likely to contaminate the aquatic environment if not properly discharged.

The Government is designing an integrated water resources management legal framework which takes account of all environmental considerations relating to water quality. This Code of Practice is intended to support this legal framework and meet the objectives of the Environment Protection Act by setting out specific standards based on the effluent of domestic, agricultural, trade or industrial origin.

Role of the Code of Practice

The Code of Practice provides guidance and directions for all businesses or establishments whose activities are likely to produce effluent. The Code of Practice includes information on:

- Policy and legal background including the grant of authorization to discharge effluent;
- Measures to be taken with regard to the discharge of effluent in order to prevent water pollution; and
- Measures to deal with the overflow of wastewater or any other liquid with or without particles of matter in suspension therein.

Failure to comply with the Code of Practice

Pursuant to regulation 8 of the Environment Protection (Effluent Standards) Regulations, 2023, the Minister may revoke an authorisation to discharge effluent where the entity which was granted the authorisation failed to comply with this Code of Practice.

Definitions

For the purposes of this Code of Practice, the terms referred to throughout the publication will bear the following meanings unless otherwise stated:

- "discharger" a business or establishment that has been granted a discharge permit.
- "effluent" waste water or any other liquid with or without particles of matter in suspension therein, of domestic, agricultural, trade or industrial origin treated or untreated, and discharged directly or indirectly into the environment;

[31st July 2023]	Environment Protection Act 298
REPUBLIC OF SEYCHELLES	SUPPLEMENT TO OFFICIAL GAZETTE SI
"Discharge Permit"	means a permit issued by the Minister or Ministry to discharge effluent;
"operator"	an organisation responsible for the operation and maintenance, monitoring, or internal regulation or assessment of the performance or management of a wastewater system;
"pollution"	the presence in the aquatic environment of one or more pollutants;
"Ministry"	means the Ministry responsible for Environment;
"trade waste"	the liquid waste generated from any industry, business, trade, or manufacturing process. It does not include domestic wastewater;
"watercourse"	includes any river, stream, dam, reservoir, water catchment and wetlands and drains or channels;
"wastewater"	The return water after either domestic or industrial use which waste may be organic (typically domestic wastewater) or inorganic (typically from industries; OR used water from any combination of domestic, industrial, commercial or agricultural activities, surface runoff, storm water, and any sewer inflow or sewer infiltration;
"waste water overflow"	an overflow from a wastewater system;
"Water Service Provider"	Entities or industries engaged in the public supply of water which is suitable for human consumption and, specifically including but not limited to the Public Utilities Corporation.

Part A - Legal Framework and Institutional Arrangements

The Government of Seychelles has an obligation under article 38(a) of the

[31st July 2023]

REPUBLIC OF SEYCHELLES

Constitution to take measures to promote the protection, preservation, and improvement of the environment. One such measure is the enactment of the Environment Protection Act. Under the Environment Protection Act, the Minister responsible for the environment has the power to, amongst other things, make Regulations for effluent standards and authorize the discharge of effluent on land, in the watercourse or territorial waters.

In line with the powers and obligations of the Minister, the Environment Protection (Effluent Standards) Regulations, 2022, were made to improve the management of effluent discharge in Seychelles. The Environment Protection (Effluent Limitations) Regulations, 2022 relate to discharge to the environment.

Effluent Standards for discharge to the sewer are given in the Public Utilities Corporation Pre-treatment Standards and the Public Utilities Corporation Act ("PUC Act").

Part B - Control of the Discharge of Effluent and Water Pollution Control

Effluent is waste water of domestic, agricultural, trade or industrial origin, treated or untreated, and discharged directly or indirectly into the environment.

Effluent, if not properly treated, can cause significant problems for human health and the environment into which they are discharged. The effects of improper treatment ranges from oxygen depletion and subsequent death of marine life, adverse effects on human health, discoloration of water rendering it unattractive for aquatic recreation and rendering the water unfit for domestic use or aquatic life.

These guidelines are intended to assist businesses or establishments whose activities are likely to produce effluent in:

- Determining the effluent quality as it is released into the environment;
- Assessing the operational efficiency of their wastewater treatment system; and
- Monitoring industrial effluent in their areas.

SUPPLEMENT TO OFFICIAL GAZETTE

Responsibility of Dischargers to Establish an Operation and Maintenance Program

Every discharger should establish an Operation and Maintenance program, with:

- 1) daily operations required including a checklist and recording of any data such as pressures and flow rates, recording of any faults or anything out of the ordinary, and
- 2) daily, weekly, monthly, annual maintenance including a checklist.

The following section outlines the approach to be taken with respect to wastewater based on its type or source:

- 1. **Domestic Effluent:** Domestic effluent shall be treated in accordance with Schedule 1 in Environment Protection (Effluent Standards Regulations), 2022 before being discharged into a or watercourse. If such effluent is to be discharged into a public sewer, it must first meet the pre-treatment requirements.
- 2. Trade/Industrial Effluent: Trade and industrial effluent shall be treated in accordance with Schedule 1 in Environment Protection (Effluent Standards) Regulations, 2022 before being discharged into a public sewer or watercourse or in the territorial waters. In the case of discharge into a public sewer, the effluent must meet the Pretreatment requirements.

3. Rain Water:

- 3.1. Rainwater shall not be discharged into a public sewer.
- 3.2. Rain water shall be channelled into a watercourse or into the territorial waters.
- 3.3. Contaminated rainwater from process areas shall be collected and treated before being discharged into any watercourse or territorial waters.

4. Wastewater from Laboratories:

4.1. The lab or any businesses must seek PUC consent before discharging the waste water directly into the sewer.

4.2. Discharge from lab to a sewer must meet PUC Pre-treatment requirements.

5. Wastewater from Farms:

5.1. Aquaculture Farms

Effluent generated from aquaculture farms shall be treated to comply with the established limits before it is discharged into a watercourse or in the territorial waters.

5.2. Livestock Farms

- 5.2.1. Effluent generated shall be collected and treated to comply with the allowable discharge limits before discharging into a public sewer. Such effluent must meet the PUC Pre-treatment Standards before being discharged into the public sewer.
- 5.2.2. Such effluent may be discharged into a watercourse or in the territorial waters where a public sewer is not available.
- 5.3. Other activities- See the new Regulations .

Obligation to Monitor Water Pollution

- 1. The owner or occupier of any industrial premises from which any trade effluent or hazardous substances are generated and discharged into the marine environment need to install suitable monitoring equipment or system, as agreed by the Minister.
- 2. Such monitoring equipment or system must be installed at any point along the line of discharge.
- 3. The owner or occupier of the industrial premises with monitoring equipment or systems installed shall:
 - a. ensure that such equipment or system is working in a proper and efficient manner;
 - b. keep a proper record of all monitoring results; and
 - c. Submit the records to the Ministry.

Measures During the Commissioning of a Wastewater Treatment System

The Ministry must be informed when the treatment plant is being commissioned.

When the treatment plant is being commissioned, effluent must be tested at the following interval:

- 1. after 6 weeks,
- 2. 8 weeks, and
- 3. 12 weeks.

This is to be done until the system settles with sufficient bacteria. To test the effluent, the samples can be taken to the certified laboratory under the EPA.

Results should be submitted to the Ministry.

During the commission process, the operator must ensure that enough chlorine is added into the effluent to ensure that the microbiological content is reduced until the system settles and meet the Effluent Standards.

The Proposed treatment plant should meet Effluent standard as per the latest (Effluent Standards) Regulations, 2022.

Authorisation to discharge effluent by outfall at sea, any water course or for irrigation purposes should be sought from the Ministry.

Measures Following the Commissioning of a Wastewater Treatment System.

Dischargers whose industry operates a wastewater system must, once their wastewater treatment system has been commissioned, implement the following measures:

- 1. a routine monitoring and evaluation programme should be established;
- 2. compliance with established discharge standards should be determined; and

- 3. Remedial methods to avoid pollution of receiving waters should be implemented.
- 4. A Contingency and maintenance plan must be in place and approved by Ministry.

Monitoring Program to Assess Water Quality

Entities engaged in activities which are likely to negatively affect water quality must implement the monitoring programmes established by the Minister to assess the effect of the entity's activities on the water quality in situ and, where applicable, further downstream.

Types of Monitoring Programmes

A monitoring programme should include:

- 1. self-monitoring;
- 2. unscheduled monitoring;
- 3. demand monitoring.

Self-monitoring

Self-monitoring should be undertaken by the owner or entity in occupation or control of the place or premises that generates effluent pursuant to the Environment Protection (Effluent Standards) Regulations, 2022. Under the self-monitoring programme, each discharger is required to do its own sampling and analysis. The monitoring frequency should not be less than the minimum requirement established by the Effluent Discharge Permit. However, the discharger may perform self-monitoring more frequently than specified in the authorization.

Unscheduled Monitoring

Unscheduled monitoring is a less formal type of surveillance which is carried out by an authorized officer within the meaning of the Environment Protection Act. The Ministry is authorized to do testing when there is a problem or if it suspects that self-monitoring analytical results are being falsified. SUPPLEMENT TO OFFICIAL GAZETTE

Demand monitoring should also be conducted by authorized officers within the meaning of the Environment Protection Act. This should be done when there is a disruption in the system's operations.

Nothing in this Code of Practice prevents an officer of the Public Utilities Corporation from inspecting a place or premises and testing effluent pursuant to Pre-treatment Standards established by the PUC Act.

Matters Related to Collecting Samples for Water Quality Testing where Effluent is Discharged

In collecting samples, attention should be paid to:

- 1. Sampling points;
- 2. Sample collection procedure; and
- 3. Sample analysis.

Sampling points

These are specific points at which samples are typically collected for testing. Each sampling point should be given a specific designation. Sampling bottles obtained from the laboratory should be used.

Collection bottles should be obtained from the laboratory doing the analysis so that they have been cleaned properly and disinfected.

The points for sample collection will be determined by the type of effluent or wastewater. Samples may be collected from the following points in each respective case:

- 1. Influent (raw sewage)- at a convenient point after screening and detritus removal, but before primary settling;
- 2. Effluent from primary settling tanks a point at the lowest end of the effluent channel to allow thorough mixing;
- 3. Effluent from aeration channels in case of an activated sludge plant, where a grab sample of mixed liquor is taken;
- 4. Effluent of humus tank or final clarifier taken from effluent channel if possible;

- 5. Sand filter effluent from effluent channel or sump;
- 6. Final effluent to stream which can be from maturation ponds or from river, from grass plots or from reed-beds; and
- 7. Receiving stream above and below point of discharge, if necessary.

General Guidelines in relation to Sampling Points

- More complex industries may have more sampling points.
- Sampling points must be arranged so that an accurate assessment of the performance of each unit of the plant is obtained.

Guidelines in relation to Sampling Plans

A sampling plan should be in written form, user-friendly to the sampling staff and should include but not be limited to the following items:

- Monitoring point(s) description;
- Sampling methods and protocols;
- Flow monitoring and calibration;
- pH monitoring and calibration;
- Parameters for analyses;
- Appropriate sample containers, preservatives and storage;
- Sample identification and chain unit; and
- Specification of custody procedures

Sample collection procedure

One of the following four methods of sampling may be implemented:

- 1. Grab (spot) sampling;
- 2. Composite sampling over a short period of time;
- 3. Composite sampling over 24 hours; or
- 4. Composite sampling over 24 hours in relation to flow.

The following should be noted in respect of each sampling method:

• Grab (spot) sampling is not representative and can only give a rough idea of the effluent quality at the time of sampling.

- Composite sample over a short period is more or less representative of the sewage or effluent quality over that period.
- The composite sample over 24 hours requires that sampling shifts be arranged over the day. The even-sized samples should be collected hourly or half-hourly and the main sample made up from this after thorough stirring. Where possible, composite sampler should be purchased, installed and commissioned so as to reduce the instances of physically having to change shifts by officers from the Department of Environment.
- Composite samples in relation to flow can only be collected if the works has a flow meter and recorder. Samples are best collected separately at intervals of one hour over the sampling period.
- When taking samples, it should be ensured that the sample is taken from the body of the water (flowing or stagnant) and not just from the surface.

Sample Analysis

Laboratories which conduct water and effluent testing shall:

- have a recognized certification for the test method and the analyte(s) being measured; and
- Ensure that proficiency tests are performed in each matrix/analyte combination (where available) for which certification is sought.

Wastewater Overflow Management

Background

In order to protect water supply, it is important for wastewater overflows to be properly managed. Left unregulated, such wastewater is a potential source of pollutants that negatively impact Seychelles fresh, coastal and marine water quality and its associated uses. The object of this Part of the Code of Practice is to lessen the occurrence of such overflow by proposing mitigation measures related to impacts caused by wastewater overflows.

Application

This Part of the Code of Practice applies to all operators dealing with the collection, treatment and disposal of wastewater. It establishes the principles

of wastewater system management and provides wastewater abatement mechanisms.

SUPPLEMENT TO OFFICIAL GAZETTE

In the event of overflow, the following steps should be taken:

- The discharger should notify the Ministry and Department of Health immediately,
- The discharger should post signs in the vicinity of the overflow, and in the watercourse or ocean that the overflow is going to. For example, placement of "No Swimming" signs.
- The discharger should then take all possible steps to stop the overflow, such as making repairs or process adjustments as necessary.
- Once the overflow has been stopped, the discharger should: 1) Clean and disinfect areas affected by the overflow as necessary, and 2) take the steps necessary to prevent the overflow from occurring again, such as replacing worn pipes and equipment, training operators if there was a human error, ensuring that there are sufficient spare parts in the inventory for making replacements or repairs quickly, or increasing the capacity of the collection and treatment facilities.

Emergency Contingency Plan

Objective - To minimise the impacts of wastewater overflow.

Guidelines:

- Operators must have an emergency contingency plan which facilitates a 24-hour emergency response to minimize or eliminate overflows and which must be considered by the response team in the event of an emergency.
- The emergency contingency plan must be developed for all wastewater systems and should have regard to: the availability of infrastructure details, operation and maintenance plans, appropriately trained and equipped personnel and reporting procedures for relevant entities.
- Emergency response personnel and Authorized officers should have access to all wastewater facilities and the necessary equipment and information to manage wastewater overflows.

- The cause of the overflow must be identified and addressed as soon as practicable. This may be done in two stages; temporarily stopping the overflow and undertaking permanent repairs.
- Where practical, the contingency plan should also include containment measures. Containment should aim to capture the overflow while it is occurring so that as much wastewater as practicable is returned to the wastewater system when operations resume as normal.
- For prolonged emergencies (marked by major overflow events greater than one or two days) consideration should be given to restricting inflows to the system.
- During containment, and clean-up or remediation, the risk to human health must be managed. Access to the area should be restricted with temporary emergency fencing and by erecting warning signs. Any residents or members of the public likely to be directly affected by the overflow should be informed. Warning measures must remain in place until the risk to human health arising from the overflow has passed.
- Water sampling may be done if required and carried out in accordance with the guidance of the Ministry.

MADE this 19th day of July, 2023.

FLAVIEN JOUBERT MINISTER OF AGRICULTURE, CLIMATE CHANGE AND ENVIRONMENT