

ESG

Environment

Report

NS BlueScope Vietnam, 2023





Environment



Social



Governance

ESG | Environment

In line with our sustainability strategy, our ESG framework is well structured under Responsible Steel principles where **Environmental** focuses are on:

Climate change issues:

- Carbon emissions
- Product carbon footprint
- Financing environmental impact
- Climate change vulnerability

Natural capital issues:

- Water sourcing
- Biodiversity and land use
- Raw material sourcing

The pollution and waste category:

- Toxic emissions and waste
- Packaging material and waste
- Electronic waste

Environmental opportunities:

- Clean technology
- Green building
- Renewable energy



ESG | Social

In line with our sustainability strategy, our ESG framework is well structured under Responsible Steel principles where **Social** focuses are on:

Human capital issues:

- How labor is managed
- Health and safety practices and protocols
- Worker training
- Supply chain labor standards

Product liability areas of focus:

- Product safety and quality
- Chemical safety
- Consumer financial protection
- Privacy and data security
- Responsible investing
- Insuring health and demographic risk

Stakeholder opposition:

- Controversial sourcing
- Community relations

Social opportunities:

- Access to communication
- Access to finance
- Access to healthcare
- Opportunities in nutrition and health



ESG | Governance



In line with our sustainability strategy, our ESG framework is well structured under Responsible Steel principles where **Governance** focuses are on:



Corporate governance:

- Composition of the board in terms of diversity and independence
- Executive compensation
- Ownership
- Accounting practices
- Responsible sourcing
- ESG management system

Corporate behavior:

- Business ethics
- Tax transparency
- Decommissioning & closure



ESG Environment

A framework based on Our Bond

Our Bond expresses BlueScope's commitment to care for the environment as a matter of principle. The framework supporting Our Bond consists of:

- BlueScope Health, Safety, Environment & Community (HSEC) Policy;
- BlueScope Environment Principles;
- BlueScope Health, Safety and Environment (HSE) Standards; and
- Procedures and guidelines.

Our HSEC Policy states that we are committed to the efficient use of resources, preventing pollution, and reducing the environmental impact of our operations and products.

Our Environment Principles consist of:

- Environmental performance and improvement is a management responsibility.
- All employees must adhere to environmental policies and procedures.
- Report, investigate and correct all environmental incidents.
- Training all employees to raise awareness is essential.
- Honest, open, and timely communication is essential.

WE CARE FOR:



**Our
EARTH**

BlueScope's HSE Standards define the requirements for the development, implementation and maintenance of Environmental Management Systems across the Company. There are 14 HSE Standards covering elements such as leadership, risk management, legal compliance, emergency management, training, communication, incident management and performance measurement.



01. Climate Action Report

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About this report

This is BlueScope's first Climate Action Report ('Report') and outlines our strategic direction and performance of the consolidated entity ('BlueScope' or 'the Group'), consisting of BlueScope Steel Limited ('the Company') and its controlled entities. In this Report, the terms 'BlueScope', 'Group', 'our operations', 'organisation', 'we', 'us', 'our' and 'ourselves' refer to BlueScope Steel Limited and its controlled entities.

This Report outlines our strategic approach to managing climate-related risks and how we plan to achieve our pathway to decarbonisation.

Within the broader strategy, sections of the Report align to the recommendations made by the Task Force on Climate-related Financial Disclosures (TCFD) and the four thematic areas of the TCFD: Governance, Strategy, Risk Management, and Metrics and Targets.

Following publication of this Report in September 2021, BlueScope will release its FY2021 Sustainability Data Supplement, which includes definitions and the data collection and reporting processes that accompany the metrics included in this Report. Our FY2021 Sustainability Data Supplement will be available on our website along with our FY2021 Sustainability Report and Annual Report.

Historically we disclosed climate-related content in our annual sustainability reports. The latest report, released in September 2020, and an archive of our historical reports is available on our website.

Our reporting metrics are consistent with the Global Reporting Initiative (GRI) Standards and the Sustainability Accounting Standards Board (SASB) Industry Standard for Iron and Steel Producers.

This Report reflects our views as of September 2021. Unless otherwise stated, all data is reported utilising the equity share approach of the *Greenhouse Gas Protocol: Corporate Accounting and Reporting Standard*, 30 June year end and in Australian dollars.

BlueScope has interests in a number of joint ventures (JVs). The most substantial are in partnership across ASEAN and the west coast of North America with Nippon Steel Corporation (NS BlueScope Coated Products) and in India with Tata Steel (Tata BlueScope Steel). Consistent with our reporting approach, the GHG emission data for these joint ventures are reported on an equity share basis.

BlueScope endeavours to ensure the data in this Report is as accurate and up to date as possible to enable stakeholders to understand our performance and compare it to prior periods. Where appropriate, historical data have been restated to present data on a consistent and comparable basis and an explanation is provided. We have not sought external assurance over disclosures in this Report.

FORWARD LOOKING STATEMENTS

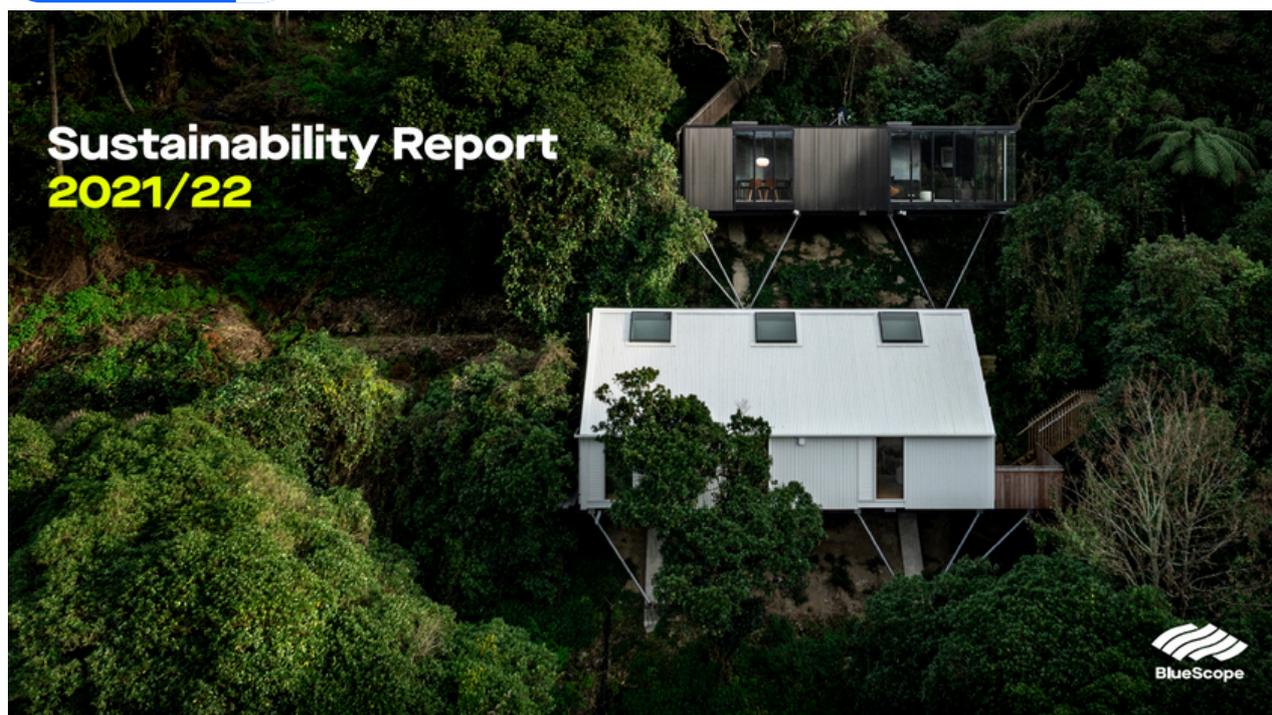
This report contains certain forward-looking statements, which can be identified by the use of forward-looking terminology such as "may", "will", "should", "expect", "intend", "anticipate", "estimate", "continue", "assume", "project" or "forecast" or the negative thereof or comparable terminology. This report has also utilised publicly available third-party information and forward-looking statements, for example, forecasts from the International Energy Agency (IEA) were utilised in the development of the scenario analysis. These forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance and achievements, or industry results, to be materially different from any future results, performances or achievements, or industry results expressed or implied by such forward-looking statements.

Forward looking statements should be read in the context of such risks, uncertainties and other factors. Accordingly, this report should not be relied upon as a recommendation or forecast by BlueScope, its related or controlled entities or officers, directors, employees or agents (BlueScope entities), and the BlueScope entities disclaim any liability whatsoever (including for negligence) for any loss howsoever arising from any use of this Report or reliance on anything contained in or omitted from it or otherwise arising in connection with this.

The BlueScope entities further disclaim any duty or undertaking, except to the extent required by law or the Listing Rules of the Australian Securities Exchange, to release publicly any updates to any forward-looking statement contained herein to reflect changes to relevant risks, uncertainties or other factors, and/or the BlueScope entities' understanding of them.

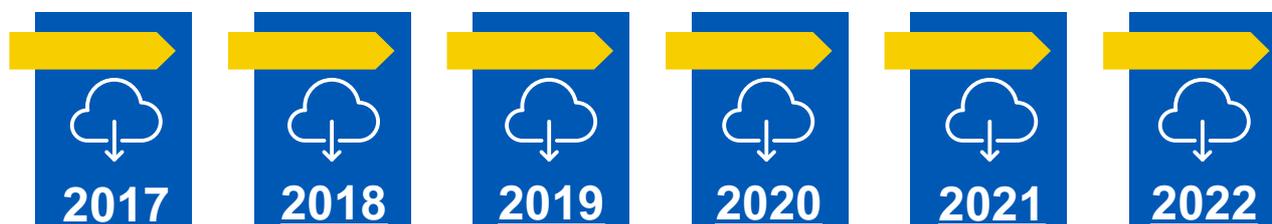
02. Sustainability Report

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03. Air Emission Test Report

Download to see yearly report:



04. BlueScope's Commitment to Biodiversity

Biodiversity encompasses all living things, from human beings to micro-organisms and the habitats in which they live, and it also includes the genetic material within individual species. There are three main goals established under the Convention of Biological Diversity, these are the conservation of biological diversity, the sustainable use of its components, and the fair and equitable sharing of the benefits from the use of genetic resources.

BlueScope recognizes that we have both an impact to and a dependence on biodiversity, through our business operations and use of ecosystem services.

BlueScope is committed to several mitigation measures including:

- Avoiding impact to Biodiversity by including this consideration in the design of new or modifications to existing operations
- Minimize impacts by substituting existing decisions or activities with alternatives that are designed to reduce or limit the undesirable impacts of a proposed activity on biodiversity
- Rehabilitate or restore the affected environment
- Offset the biodiversity impact by implementing measures to compensate for affected biodiversity values. The compensatory measure may include a combination of direct offsets or other compensatory measures.

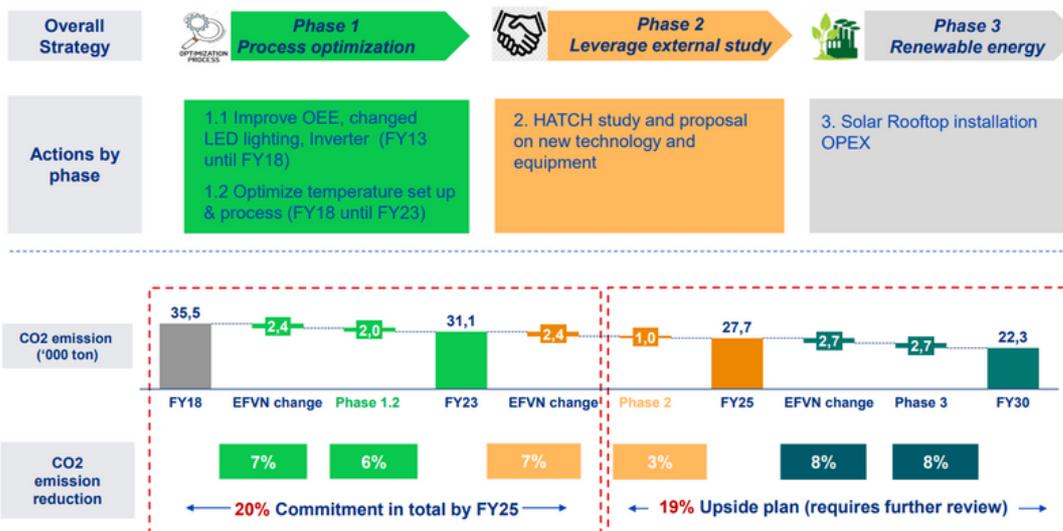
We are critically dependent on resilient ecosystems. The loss of or reduction in the quality of our planet's biodiversity will not only impact on our operations, but will also have an impact on our communities, our shareholders and our people

05. NS BlueScope Vietnam Carbon Neutrality Roadmap in 2050

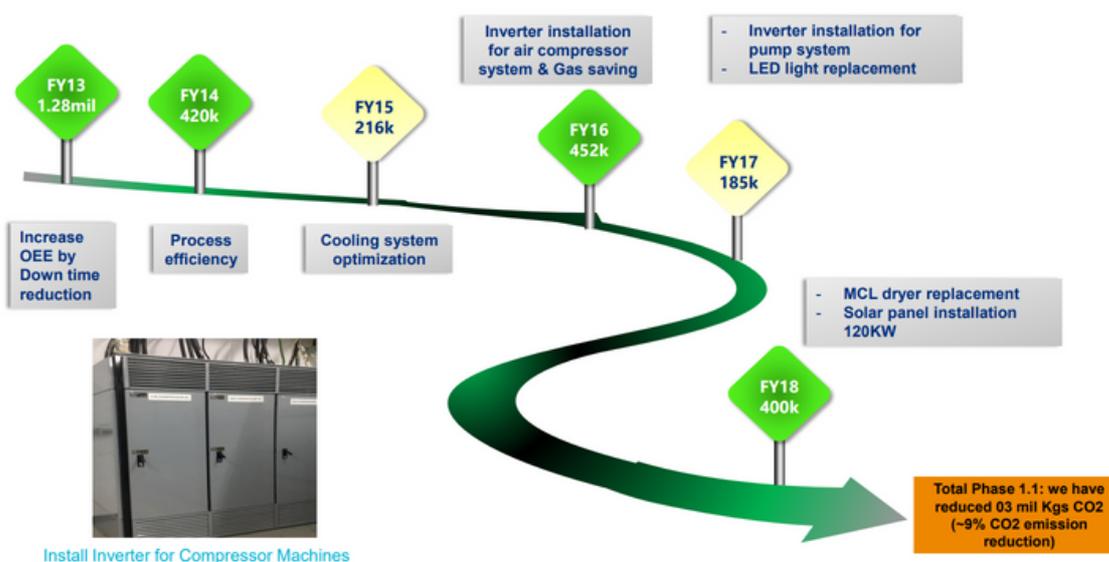


Phu My Energy Saving Plan (2018 - 2030)

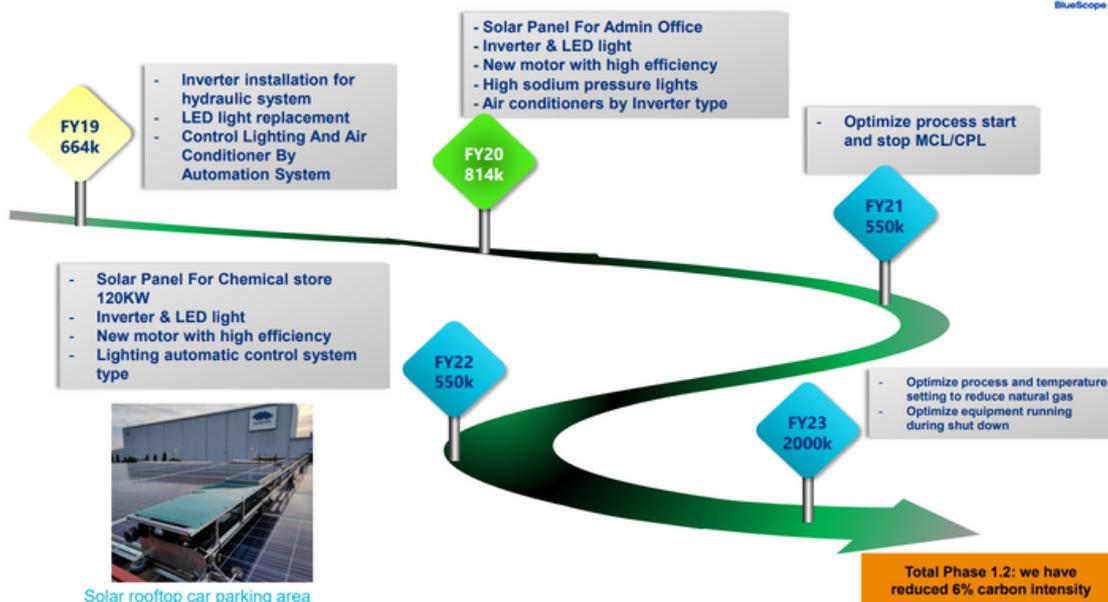
PHU MY ENERGY SAVING PLAN - SUMMARY



PHU MY ENERGY SAVING PLAN DETAILS BY PHASES



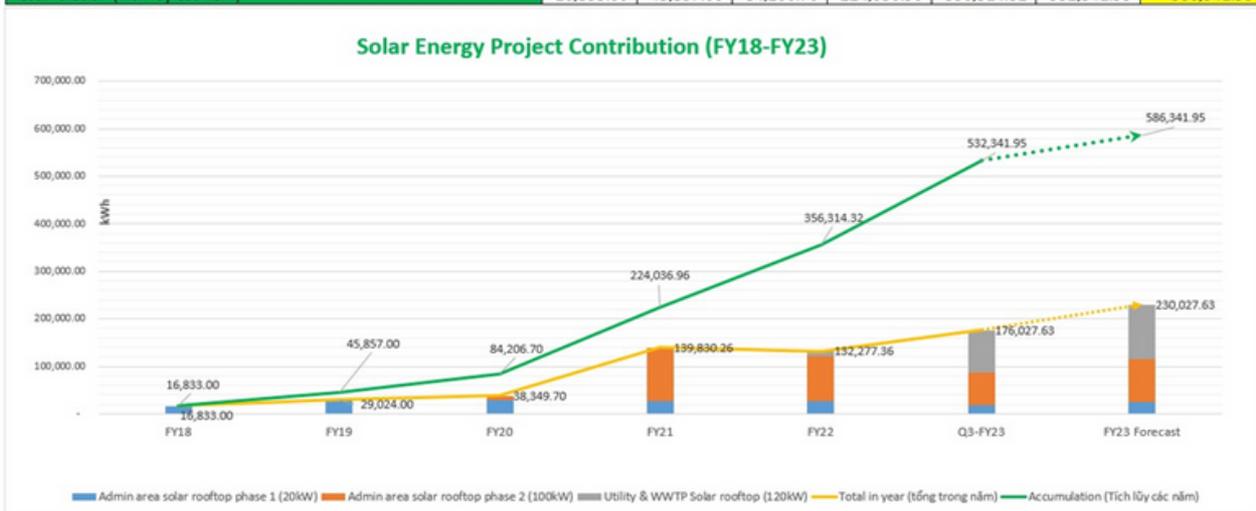
PHU MY ENERGY SAVING PLAN DETAILS BY PHASES



Renewable Energy Contribution at Phu My site (FY18 - FY23)

PHU MY SITE RENEWABLE ENERGY CONTRIBUTION FY18 - FY23
(THỐNG KÊ MỨC ĐÓNG GÓP CỦA CÁC DỰ ÁN NĂNG LƯỢNG TÁI TẠO NHÀ MÁY PHÚ MỸ GIAI ĐOẠN FY18-FY23)

Project/Dự án năng lượng tái tạo	FY18	FY19	FY20	FY21	FY22	Q3-FY23	FY23 Forecast
Admin area solar rooftop phase 1 (20kW)	16,833.00	29,024.00	28,847.00	26,957.00	26,142.00	17,841.00	23,841.00
Admin area solar rooftop phase 2 (100kW)	-	-	9,502.70	112,873.26	94,906.36	69,417.63	90,417.63
Utility & WWTP Solar rooftop (120kW)	-	-	-	-	11,229.00	88,769.00	115,769.00
Total in year (tổng trong năm)	16,833.00	29,024.00	38,349.70	139,830.26	132,277.36	176,027.63	230,027.63
Accumulation (Tích lũy các năm)	16,833.00	45,857.00	84,206.70	224,036.96	356,314.32	532,341.95	586,341.95

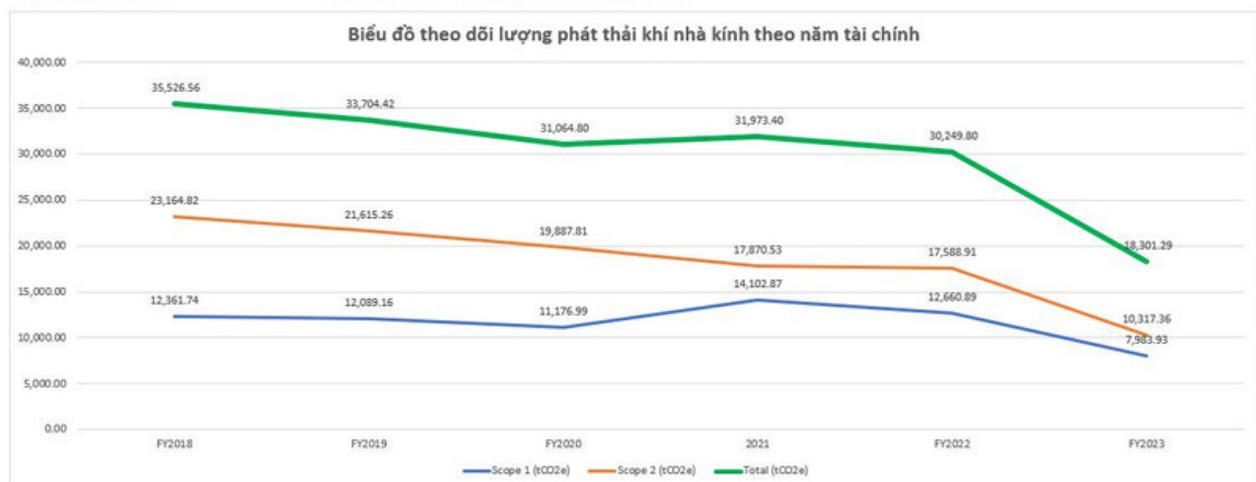


Annual GHG Emission Report

BÁO CÁO THỐNG KÊ PHÁT THẢI KHÍ NHÀ KÍNH THEO NĂM (ANNUAL GHG EMISSION REPORT) NHÀ MÁY PHÚ MỸ

Scope	FY2018	FY2019	FY2020	2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Scope 1 (tCO2e)	12,361.74	12,089.16	11,176.99	14,102.87	12,660.89	7,983.93							
Scope 2 (tCO2e)	23,164.82	21,615.26	19,887.81	17,870.53	17,588.91	10,317.36							
Scope 3 (tCO2e) *	*	*	*	*	*	*							
Total (tCO2e)	35,526.56	33,704.42	31,064.80	31,973.40	30,249.80	18,301.29							

Legend/chú thích: * To be monitored in FY25/Sẽ được theo dõi trong năm TC25



06. Water Stewardship for healthy waterways

Although Phu My site locates inside designated industrial zone in Ba Ria Vung Tau province where water scarce is not a critical issue however, we are committed to sustainable site water management, as well as contributing to broader efforts within our catchment, and our region. We also have a storm water tanks onsite where the water is recycled and used for partly operating the plant and domestic use.

The site Water Stewardship Project uses the Water Stewardship International Water Stewardship Standard as a tool for businesses and land managers that use water to address the shared and site-specific challenges of the catchment.

Water Stewardship is intended to achieve four outcomes:

1. Sustainable water balance (the quantity of water available)
2. Good water quality
3. Healthy ecosystems
4. Good water governance.



Treated Waste Water Test Report



Fresh Waste Quality Test Report



07. Yearly Treated Waste Water Quality Report

Stt	Chỉ tiêu	Đơn vị	QCVN 40:2011/BTNMT (Loại B)	Kết Quả Thử Nghiệm (Test Result)					
				2017	2018	2019	2020	2021	2022
1	pH		9	7.0000	7.4000	6.7000	7.3000	7.2000	7.9000
2	Chất rắn lơ lửng (TSS)	mg/l	100	6.0000	6.6000	7.6000	7.0000	7.0000	7.0000
3	COD	mg/l	150	36.0000	117.0000	77.0000	58.0000	102.0000	30.0000
4	BOD ₅	mg/l	50	15.0000	26.0000	15.0000	15.0000	28.0000	3.0000
5	CN ⁻	mg/l	0.1	0.0014	0.0050	0.0260	0.0080	0.0170	0.0080
6	Hydro sunfua (H ₂ S)	mg/l	0.5	0.0400	0.0400	0.0400	0.1200	0.1200	0.1200
7	Tổng sắt	mg/l	5	0.0500	0.2200	0.2000	0.1120	0.1000	0.1380
8	Tổng nito	mg/l	40	8.6900	4.4800	4.3200	3.6400	3.5000	10.0000
9	Nitơ dạng amoni (N-NH ₄)	mg/l	10	2.0500	0.3900	1.1200	0.3000	0.3000	1.0000
10	Tổng photpho	mg/l	6	0.0190	0.1300	0.1200	0.1700	0.1100	0.0600
11	Asen	mg/l	0.1	0.0050	0.0050	0.0100	0.0100	0.0100	0.0100
12	Cadimi	mg/l	0.1	0.0020	0.0020	0.0023	0.0023	0.0023	0.0023
13	Chì	mg/l	0.5	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
14	Kẽm	mg/l	3	0.0500	0.0500	0.0500	0.0570	0.0500	0.0500
15	Dầu mỡ khoáng	mg/l	10	0.5000	0.3000	1.0000	1.1000	0.8000	0.3000
16	Tổng coliform	MPN/100ml	5000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000
17	Crom (VI)	mg/l	0.1	0.0200	0.0510	0.0100	0.0100	0.0100	0.0100
18	Crom (III)	mg/l	1	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
19	Thủy ngân	mg/l	0.01	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010

Số màu xanh: Trong ngưỡng cho phép (baseline)

Số màu đỏ: Vượt ngưỡng cho phép (baseline)



Thank you

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