

ANALYSIS REPORT

CUSTOMER NAME : TPI POLENE PUBLIC COMPANY LIMITED

ADDRESS : 299 MOO 5 MITRAPARP ROAD MITTRAPHAP TABKWANG KAENGKOI SARABURI 18260

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SAMPLING SOURCE : ห้วยไม่มีชื่อ ทางทิศใต้ของโครงการ

SAMPLE TYPE : SURFACE WATER

SAMPLING DATE : SEPTEMBER 20, 2022

SAMPLING TIME : 11:50 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR MANIT PANCHOT

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : SEPTEMBER 20, 2022

ANALYTICAL DATE : SEPTEMBER 20-28, 2022

REPORT NO. : 2022-U077096

WORK NO. : 2021-008991

ANALYSIS NO. : T22AS676-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | REGULATORY STANDARD | DETECTION LIMIT |
|-------------------------------------|------------------------------------|--|--------------------------------|---------------------|-----------------|
| | | | SURFACE WATER T22AS676-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B) | 7.4 (30°C) | 5.0-9.0 | - |
| TURBIDITY ^c | NTU | NEPHELOMETRIC METHOD (SM: 2130 B) | 36 | - | 0.1 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D) | 12.6 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C) | 261 | - | 25 |
| TOTAL HARDNESS ^a | mg/L as CaCO ₃ | EDTA TITRIMETRIC METHOD (SM: 2340 C) | 229 | - | 4.0 |
| CHLORIDE ^a | mg/L Cl ⁻ | ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B) | 5.4 | - | 2.0 |
| SULPHATE ^c | mg/L SO ₄ ²⁻ | TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E) | 7.3 | - | 0.3 |



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|--------------------------------|---------|--|--------------------------------|---------------------|-----------------|
| | | | SURFACE WATER T22AS676-0002 | | |
| METALS | | | | | |
| TOTAL IRON ° | mg/L Fe | IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B | 0.889 | - | 0.005 |
| MANGANESE ° | mg/L Mn | IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B | 0.084 | ≤ 1.0 | 0.002 |
| SAMPLE CONDITION | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : SURFACE WATER QUALITY STANDARDS CLASS 3, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD, NO.8, B.E. 2537 ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT, B.E. 2535, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 111, PART 16, DATED FEBRUARY 24, B.E. 2537 (1994).

CLASS 3 : MEDIUM CLEAN FRESH SURFACE WATER RESOURCES USED FOR
(1) CONSUMPTION, BUT PASSING THROUGH AN ORDINARY TREATMENT PROCESS BEFORE USING
(2) AGRICULTURE



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

OCTOBER 3, 2022